



Single-Row Canopy Spacing Tables

VANLED® Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average and minimum footcandle levels and max:min uniformity ratios for the designated fixture spacing at a given height.

RAB does not recommend all of these configurations. Refer to IES recommended practice for specific Space Applications. For questions contact Lighting Design.

FIXTURE: VANLED10

1,898 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	5.2 FC	3.9 FC	3.2 FC	2.6 FC	2 FC
	min	3.7 FC	2.8 FC	2.3 FC	1.8 FC	1.4 FC
		1.7:1	1.7:1	1.7:1	1.8:1	1.8:1
20	avg	6.9 FC	5.2 FC	4.2 FC	3.4 FC	2.7 FC
	min	4.4 FC	3.3 FC	2.8 FC	2.3 FC	1.7 FC
		2:1	2:1	1.9:1	1.9:1	2:1
15	avg	9.4 FC	7.1 FC	5.8 FC	4.8 FC	3.7 FC
	min	5.9 FC	4.3 FC	3.7 FC	2.9 FC	2 FC
		2.1:1	2.1:1	2:1	2.1:1	2.5:1
12	avg	11.6 FC	8.7 FC	7.2 FC	5.9 FC	4.6 FC
	min	6.3 FC	4.7 FC	4.2 FC	3.1 FC	2.2 FC
		2.5:1	2.5:1	2.3:1	2.6:1	3:1
10	avg	13.5 FC	10.1 FC	8.4 FC	6.8 FC	5.3 FC
	min	6.8 FC	4.5 FC	5 FC	2.4 FC	2.2 FC
		2.8:1	3.2:1	2.3:1	4.2:1	3.8:1
8	avg	15.7 FC	11.9 FC	9.8 FC	8 FC	6.2 FC
	min	8.1 FC	5.9 FC	5.4 FC	3.4 FC	2 FC
		3:1	3.1:1	2.7:1	4.1:1	5.6:1

-Fixture Calculations in 50' x50' open room (no columns or beams), 50/.01/20 reflectances (0.1 to simulate no walls/open-air). Readings taken across full room length with 8' width, at 0'-0" AFF, CCT 5000K.

-Ratios show max:min uniformity

-This information is current as of 11/4/2022.

-The Lighting Analysis provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance. RAB neither warranties, either implied or stated with regard to actual measured light levels as compared to those illustrated by the Spacing Table. RAB neither warranties, either implied or stated, nor represents the appropriateness, completeness or suitability of the lighting design intent as compliant with any applicable regulatory code requirements. The Spacing Table is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation package.

FIXTURE: VANLED10F

2,120 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	5.5 FC	4.1 FC	3.4 FC	2.7 FC	2.1 FC
	min	3.8 FC	2.9 FC	2.4 FC	1.9 FC	1.4 FC
		1.8:1	1.7:1	1.7:1	1.8:1	1.9:1
20	avg	7.2 FC	5.4 FC	4.5 FC	3.6 FC	2.8 FC
	min	4.7 FC	3.5 FC	3 FC	2.4 FC	1.7 FC
		1.9:1	1.9:1	1.8:1	1.9:1	2.1:1
15	avg	9.9 FC	7.5 FC	6.1 FC	5 FC	3.9 FC
	min	6.1 FC	4.7 FC	4 FC	3.2 FC	2.1 FC
		2.1:1	2.1:1	2:1	2:1	2.5:1
12	avg	12.2 FC	9.2 FC	7.6 FC	6.2 FC	4.8 FC
	min	6.7 FC	5.2 FC	4.6 FC	3.4 FC	2.3 FC
		2.5:1	2.4:1	2.2:1	2.5:1	3:1
10	avg	14.2 FC	10.7 FC	8.9 FC	7.2 FC	5.6 FC
	min	7.2 FC	5 FC	5.3 FC	2.7 FC	2.4 FC
		2.8:1	3:1	2.3:1	3.9:1	3.6:1
8	avg	16.7 FC	12.6 FC	10.4 FC	8.5 FC	6.6 FC
	min	8.3 FC	6.3 FC	5.8 FC	3.8 FC	2.2 FC
		3.1:1	3.1:1	2.6:1	3.8:1	5.3:1

FIXTURE: VANLED10FR

1,814 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	4.6 FC	3.5 FC	2.8 FC	2.3 FC	1.8 FC
	min	3.2 FC	2.4 FC	2 FC	1.6 FC	1.2 FC
		1.8:1	1.8:1	1.8:1	1.8:1	1.8:1
20	avg	6 FC	4.5 FC	3.7 FC	3 FC	2.3 FC
	min	3.9 FC	3 FC	2.5 FC	2 FC	1.4 FC
		2:1	1.9:1	1.8:1	1.9:1	2.1:1
15	avg	8.2 FC	6.2 FC	5.1 FC	4.2 FC	3.2 FC
	min	5 FC	3.9 FC	3.3 FC	2.6 FC	1.7 FC
		2.2:1	2.1:1	2:1	2.1:1	2.6:1
12	avg	10.1 FC	7.6 FC	6.3 FC	5.2 FC	4 FC
	min	5.5 FC	4.3 FC	3.8 FC	2.8 FC	1.9 FC
		2.5:1	2.4:1	2.2:1	2.5:1	3.1:1
10	avg	11.7 FC	8.8 FC	7.3 FC	5.9 FC	4.6 FC
	min	5.8 FC	4.1 FC	4.4 FC	2.2 FC	1.9 FC
		2.9:1	3.1:1	2.3:1	4.1:1	3.9:1
8	avg	13.7 FC	10.3 FC	8.5 FC	7 FC	5.3 FC
	min	6.7 FC	5.1 FC	4.7 FC	3.1 FC	1.7 FC
		3.2:1	3.2:1	2.7:1	4:1	5.9:1

FIXTURE: VANLED10FFR

1,898 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	5 FC	3.7 FC	3.1 FC	2.5 FC	1.9 FC
	min	3.4 FC	2.6 FC	2.2 FC	1.7 FC	1.3 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	6.6 FC	4.9 FC	4.1 FC	3.3 FC	2.5 FC
	min	4.2 FC	3.2 FC	2.7 FC	2.2 FC	1.6 FC
		2:1	1.9:1	1.9:1	1.9:1	2.1:1
15	avg	8.9 FC	6.7 FC	5.5 FC	4.5 FC	3.5 FC
	min	5.4 FC	4.2 FC	3.6 FC	2.9 FC	1.9 FC
		2.2:1	2.1:1	2:1	2:1	2.5:1
12	avg	11 FC	8.3 FC	6.8 FC	5.6 FC	4.3 FC
	min	5.9 FC	4.6 FC	4.1 FC	3.1 FC	2 FC
		2.5:1	2.5:1	2.2:1	2.5:1	3.2:1
10	avg	12.7 FC	9.6 FC	8 FC	6.4 FC	5 FC
	min	6.2 FC	4.4 FC	4.8 FC	2.4 FC	2 FC
		2.9:1	3.1:1	2.3:1	4.1:1	4.1:1
8	avg	14.8 FC	11.2 FC	9.2 FC	7.5 FC	5.8 FC
	min	7.1 FC	5.6 FC	5.1 FC	3.3 FC	1.9 FC
		3.2:1	3.1:1	2.7:1	4.1:1	5.7:1

FIXTURE: VANLED20

3,249 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	8.1 FC	6.1 FC	5 FC	4.1 FC	3.1 FC
	min	5.7 FC	4.3 FC	3.6 FC	2.9 FC	2.1 FC
		1.8:1	1.7:1	1.7:1	1.7:1	1.9:1
20	avg	10.8 FC	8.1 FC	6.7 FC	5.4 FC	4.2 FC
	min	7 FC	5.4 FC	4.6 FC	3.6 FC	2.6 FC
		1.9:1	1.9:1	1.8:1	1.9:1	2.1:1
15	avg	14.8 FC	11.1 FC	9.2 FC	7.5 FC	5.8 FC
	min	9 FC	7 FC	6 FC	4.7 FC	3.2 FC
		2.1:1	2.1:1	2:1	2.1:1	2.4:1
12	avg	18.3 FC	13.8 FC	11.4 FC	9.3 FC	7.2 FC
	min	10.1 FC	7.9 FC	6.9 FC	5.2 FC	3.5 FC
		2.5:1	2.4:1	2.2:1	2.4:1	2.9:1
10	avg	21.3 FC	16 FC	13.3 FC	10.7 FC	8.4 FC
	min	10.8 FC	7.5 FC	8 FC	4.2 FC	3.5 FC
		2.8:1	3:1	2.3:1	3.8:1	3.7:1
8	avg	24.9 FC	18.8 FC	15.5 FC	12.7 FC	9.8 FC
	min	12.3 FC	9.5 FC	8.7 FC	5.8 FC	3.2 FC
		3.1:1	3:1	2.6:1	3.7:1	5.5:1

FIXTURE: VANLED20F

3.260 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	8.4 FC	6.3 FC	5.2 FC	4.2 FC	3.2 FC
	min	5.9 FC	4.4 FC	3.7 FC	3 FC	2.2 FC
		1.8:1	1.8:1	1.7:1	1.7:1	1.8:1
20	avg	11.1 FC	8.3 FC	6.9 FC	5.6 FC	4.3 FC
	min	7.3 FC	5.5 FC	4.7 FC	3.7 FC	2.7 FC
		1.9:1	1.9:1	1.8:1	1.9:1	2:1
15	avg	15.3 FC	11.5 FC	9.4 FC	7.7 FC	5.9 FC
	min	9.3 FC	7.2 FC	6.1 FC	4.9 FC	3.2 FC
		2.1:1	2.1:1	2:1	2:1	2.5:1
12	avg	18.8 FC	14.2 FC	11.7 FC	9.6 FC	7.4 FC
	min	10.4 FC	8 FC	7.1 FC	5.3 FC	3.6 FC
		2.5:1	2.4:1	2.2:1	2.5:1	3:1
10	avg	21.9 FC	16.5 FC	13.7 FC	11 FC	8.6 FC
	min	11.1 FC	7.7 FC	8.2 FC	4.2 FC	3.6 FC
		2.8:1	3:1	2.3:1	3.9:1	3.8:1
8	avg	25.6 FC	19.4 FC	16 FC	13.1 FC	10.1 FC
	min	12.6 FC	9.7 FC	8.9 FC	5.9 FC	3.3 FC
		3.1:1	3:1	2.6:1	3.8:1	5.5:1

FIXTURE: VANLED20FR

2,875 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	7.3 FC	5.5 FC	4.5 FC	3.7 FC	2.8 FC
	min	5 FC	3.8 FC	3.2 FC	2.5 FC	1.9 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.8:1
20	avg	9.6 FC	7.2 FC	5.9 FC	4.8 FC	3.7 FC
	min	6.2 FC	4.7 FC	4 FC	3.2 FC	2.3 FC
		2:1	1.9:1	1.9:1	1.9:1	2.1:1
15	avg	13.1 FC	9.8 FC	8.1 FC	6.6 FC	5.1 FC
	min	7.9 FC	6.1 FC	5.2 FC	4.2 FC	2.7 FC
		2.2:1	2.1:1	2:1	2.1:1	2.6:1
12	avg	16.1 FC	12.1 FC	10 FC	8.2 FC	6.3 FC
	min	8.7 FC	6.7 FC	6 FC	4.5 FC	3 FC
		2.5:1	2.5:1	2.2:1	2.5:1	3.1:1
10	avg	18.6 FC	14 FC	11.6 FC	9.3 FC	7.3 FC
	min	9.2 FC	6.4 FC	6.9 FC	3.5 FC	3 FC
		2.9:1	3.1:1	2.4:1	4.1:1	3.9:1
8	avg	21.7 FC	16.4 FC	13.5 FC	11.1 FC	8.5 FC
	min	10.6 FC	8.1 FC	7.4 FC	4.9 FC	2.8 FC
		3.2:1	3.2:1	2.7:1	4:1	5.6:1

FIXTURE: VANLED20FFR

3,039 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	8 FC	6 FC	4.9 FC	4 FC	3.1 FC
	min	5.5 FC	4.1 FC	3.5 FC	2.8 FC	2 FC
		1.8:1	1.8:1	1.7:1	1.8:1	2:1
20	avg	10.5 FC	7.9 FC	6.5 FC	5.3 FC	4.1 FC
	min	6.8 FC	5.1 FC	4.4 FC	3.5 FC	2.5 FC
		2:1	2:1	1.8:1	1.9:1	2.1:1
15	avg	14.3 FC	10.8 FC	8.9 FC	7.2 FC	5.6 FC
	min	8.6 FC	6.7 FC	5.7 FC	4.5 FC	2.9 FC
		2.2:1	2.1:1	2:1	2.1:1	2.6:1
12	avg	17.6 FC	13.3 FC	10.9 FC	8.9 FC	6.9 FC
	min	9.6 FC	7.4 FC	6.6 FC	4.9 FC	3.2 FC
		2.5:1	2.5:1	2.2:1	2.5:1	3.2:1
10	avg	20.4 FC	15.3 FC	12.7 FC	10.2 FC	8 FC
	min	10.2 FC	7 FC	7.5 FC	3.8 FC	3.2 FC
		2.9:1	3.1:1	2.4:1	4.1:1	4:1
8	avg	23.7 FC	17.9 FC	14.8 FC	12.1 FC	9.3 FC
	min	11.5 FC	8.7 FC	8 FC	5.3 FC	2.9 FC
		3.2:1	3.2:1	2.8:1	4.1:1	6:1

FIXTURE: VANLED28

4,019 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
25	avg	10.1 FC	7.6 FC	6.2 FC	6.7 FC	3.9 FC
	min	7 FC	5.3 FC	4.5 FC	4.5 FC	2.6 FC
		1.8:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	13.3 FC	10 FC	8.2 FC	6.7 FC	5.2 FC
	min	8.7 FC	6.6 FC	5.6 FC	4.5 FC	3.2 FC
		1.9:1	1.9:1	1.8:1	1.9:1	2.1:1
15	avg	18.3 FC	13.8 FC	11.3 FC	9.2 FC	7.1 FC
	min	11.1 FC	8.7 FC	7.4 FC	5.9 FC	3.9 FC
		2.2:1	2.1:1	2:1	2:1	2.5:1
12	avg	22.6 FC	17.1 FC	14.1 FC	11.5 FC	8.9 FC
	min	12.5 FC	9.7 FC	8.5 FC	6.4 FC	4.3 FC
		2.5:1	2.4:1	2.2:1	2.4:1	3:1
10	avg	26.3 FC	19.8 FC	16.4 FC	13.2 FC	10.3 FC
	min	13.4 FC	9.3 FC	9.8 FC	5.1 FC	4.3 FC
		2.8:1	3:1	2.3:1	3.8:1	3.7:1
8	avg	30.8 FC	23.3 FC	19.2 FC	15.7 FC	12.1 FC
	min	15.2 FC	11.7 FC	10.8 FC	7.1 FC	4 FC
		3.1:1	3:1	2.6:1	3.8:1	5.4:1

FIXTURE: VANLED28F

4,016 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	10.3 FC	7.7 FC	6.4 FC	5.2 FC	4 FC
	min	7.2 FC	5.4 FC	4.6 FC	3.6 FC	2.7 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	13.6 FC	10.2 FC	8.4 FC	6.8 FC	5.3 FC
	min	8.9 FC	6.7 FC	5.7 FC	4.6 FC	3.3 FC
		1.9:1	1.9:1	1.8:1	1.9:1	2.1:1
15	avg	18.8 FC	14.1 FC	11.6 FC	9.5 FC	7.3 FC
	min	11.5 FC	8.9 FC	7.5 FC	6 FC	4 FC
		2.1:1	2.1:1	2:1	2.1:1	2.5:1
12	avg	23.2 FC	17.5 FC	14.4 FC	11.8 FC	9.1 FC
	min	12.8 FC	9.8 FC	8.7 FC	6.5 FC	4.4 FC
		2.5:1	2.4:1	2.2:1	2.5:1	3:1
10	avg	26.9 FC	20.3 FC	16.8 FC	13.6 FC	10.6 FC
	min	13.7 FC	9.4 FC	10 FC	5.2 FC	4.4 FC
		2.8:1	3.1:1	2.3:1	3.9:1	3.8:1
8	avg	31.5 FC	23.8 FC	19.7 FC	16.1 FC	12.4 FC
	min	15.7 FC	11.9 FC	10.9 FC	7.3 FC	4.1 FC
		3.1:1	3:1	2.7:1	3.7:1	5.4:1

FIXTURE: VANLED28FR

3,484 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	8.8 FC	6.6 FC	5.5 FC	4.4 FC	3.4 FC
	min	6.1 FC	4.6 FC	3.9 FC	3.1 FC	2.3 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	11.6 FC	8.7 FC	7.2 FC	5.8 FC	4.5 FC
	min	7.5 FC	5.7 FC	4.8 FC	3.9 FC	2.8 FC
		2:1	1.9:1	1.9:1	1.9:1	2.1:1
15	avg	15.9 FC	11.9 FC	9.8 FC	8 FC	6.2 FC
	min	9.6 FC	7.4 FC	6.3 FC	5.1 FC	3.3 FC
		2.2:1	2.1:1	2:1	2:1	2.6:1
12	avg	19.5 FC	14.7 FC	12.1 FC	9.9 FC	7.6 FC
	min	10.6 FC	8.2 FC	7.3 FC	5.4 FC	3.6 FC
		2.5:1	2.4:1	2.2:1	2.5:1	3.1:1
10	avg	22.6 FC	17 FC	14.1 FC	11.3 FC	8.9 FC
	min	11.3 FC	7.8 FC	8.4 FC	4.2 FC	3.6 FC
		2.9:1	3.1:1	2.3:1	4.1:1	4:1
8	avg	26.3 FC	19.9 FC	16.4 FC	13.4 FC	10.3 FC
	min	12.9 FC	9.8 FC	9 FC	5.9 FC	3.3 FC
		3.2:1	3.2:1	2.7:1	4:1	5.8:1

FIXTURE: VANLED28FFR

3,669 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	10 FC	7.5 FC	6.2 FC	5 FC	3.8 FC
	min	7.1 FC	5.2 FC	4.4 FC	3.3 FC	2.5 FC
		1.7:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	13.1 FC	9.8 FC	8.1 FC	6.6 FC	5.1 FC
	min	8.3 FC	6.1 FC	5.2 FC	4.3 FC	3.1 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	17.8 FC	13.4 FC	11 FC	9 FC	6.9 FC
	min	11.2 FC	7.9 FC	6.8 FC	5.4 FC	3.7 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.6:1
12	avg	21.8 FC	16.4 FC	13.5 FC	11.1 FC	8.5 FC
	min	11.8 FC	8.6 FC	7.7 FC	5.7 FC	4 FC
		2.5:1	2.6:1	2.4:1	2.7:1	3.2:1
10	avg	25.1 FC	18.8 FC	15.7 FC	12.6 FC	9.9 FC
	min	12.5 FC	8 FC	9.1 FC	4.3 FC	3.9 FC
		2.9:1	3.4:1	2.4:1	4.5:1	4.1:1
8	avg	29.2 FC	22 FC	18.2 FC	14.8 FC	11.4 FC
	min	14.7 FC	10.5 FC	9.7 FC	5.9 FC	3.5 FC
		3.1:1	3.3:1	2.8:1	4.5:1	6.1:1

FIXTURE: VANLED40

6,113 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	15.4 FC	11.6 FC	9.5 FC	7.7 FC	5.9 FC
	min	10.9 FC	8.1 FC	6.8 FC	5.1 FC	3.9 FC
		1.7:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	20.3 FC	15.2 FC	12.6 FC	10.2 FC	7.9 FC
	min	12.9 FC	9.5 FC	8.1 FC	6.7 FC	4.8 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	28 FC	21 FC	17.3 FC	14.1 FC	10.9 FC
	min	17.8 FC	12.5 FC	10.6 FC	8.4 FC	6 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	34.6 FC	26 FC	21.4 FC	17.5 FC	13.5 FC
	min	18.6 FC	13.7 FC	12.1 FC	9.1 FC	6.5 FC
		2.5:1	2.6:1	2.4:1	2.6:1	3:1
10	avg	40.2 FC	30.1 FC	25 FC	20.1 FC	15.8 FC
	min	20 FC	13 FC	14.9 FC	7 FC	6.6 FC
		2.9:1	3.3:1	2.3:1	4.2:1	3.7:1
8	avg	47.1 FC	35.5 FC	29.3 FC	23.9 FC	18.4 FC
	min	23.8 FC	18 FC	16.5 FC	9.8 FC	6.2 FC
		3:1	3:1	2.6:1	4.2:1	5.3:1

FIXTURE: VANLED40F

6,232 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	16.1 FC	12.1 FC	10 FC	8.1 FC	6.2 FC
	min	11.5 FC	8.6 FC	7.2 FC	5.5 FC	4.2 FC
		1.7:1	1.7:1	1.7:1	1.8:1	1.8:1
20	avg	21.2 FC	16 FC	13.1 FC	10.7 FC	8.2 FC
	min	13.6 FC	10.2 FC	8.7 FC	7.1 FC	5.2 FC
		2:1	2:1	1.9:1	1.9:1	2:1
15	avg	29.3 FC	22 FC	18.1 FC	14.8 FC	11.4 FC
	min	18.4 FC	13.4 FC	11.4 FC	9.1 FC	6.4 FC
		2.1:1	2.1:1	2:1	2.1:1	2.4:1
12	avg	36.1 FC	27.2 FC	22.4 FC	18.3 FC	14.2 FC
	min	19.4 FC	14.8 FC	13.1 FC	9.8 FC	7.1 FC
		2.5:1	2.5:1	2.3:1	2.6:1	2.9:1
10	avg	41.9 FC	31.5 FC	26.2 FC	21 FC	16.5 FC
	min	20.7 FC	14 FC	16 FC	7.6 FC	7.2 FC
		2.9:1	3.2:1	2.3:1	4.1:1	3.6:1
8	avg	49.1 FC	37.1 FC	30.6 FC	25 FC	19.3 FC
	min	24.6 FC	19 FC	17.3 FC	10.7 FC	6.7 FC
		3:1	3:1	2.6:1	4:1	5.1:1

FIXTURE: VANLED40FR

5,393 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	13.7 FC	10.3 FC	8.5 FC	6.9 FC	5.3 FC
	min	9.6 FC	7.2 FC	6.1 FC	4.6 FC	3.5 FC
		1.8:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	18 FC	13.5 FC	11.1 FC	9.1 FC	7 FC
	min	11.4 FC	8.4 FC	7.2 FC	5.9 FC	4.3 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	24.7 FC	18.5 FC	15.2 FC	12.5 FC	9.6 FC
	min	15.5 FC	11 FC	9.4 FC	7.5 FC	5.2 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	30.3 FC	22.8 FC	18.8 FC	15.4 FC	11.9 FC
	min	16.1 FC	12 FC	10.7 FC	7.9 FC	5.7 FC
		2.6:1	2.6:1	2.4:1	2.7:1	3.1:1
10	avg	35.1 FC	26.3 FC	21.9 FC	17.5 FC	13.8 FC
	min	17.1 FC	11.3 FC	13.1 FC	6 FC	5.7 FC
		3:1	3.4:1	2.3:1	4.5:1	3.9:1
8	avg	40.9 FC	30.8 FC	25.4 FC	20.8 FC	16 FC
	min	20.2 FC	15.5 FC	14.2 FC	8.4 FC	5.3 FC
		3.1:1	3.1:1	2.7:1	4.4:1	5.6:1

FIXTURE: VANLED40FFR

5,625 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	14.8 FC	11.1 FC	9.2 FC	7.4 FC	5.7 FC
	min	10.2 FC	7.7 FC	6.5 FC	4.9 FC	3.7 FC
		1.8:1	1.8:1	1.7:1	1.9:1	2:1
20	avg	19.4 FC	14.6 FC	12 FC	9.8 FC	7.5 FC
	min	12 FC	9 FC	7.7 FC	6.3 FC	4.6 FC
		2.1:1	2.1:1	2:1	2:1	2.1:1
15	avg	26.6 FC	20 FC	16.4 FC	13.4 FC	10.4 FC
	min	16.4 FC	11.8 FC	10.1 FC	8 FC	5.6 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	32.6 FC	24.6 FC	20.3 FC	16.6 FC	12.8 FC
	min	16.9 FC	12.9 FC	11.5 FC	8.5 FC	6 FC
		2.7:1	2.6:1	2.4:1	2.7:1	3.1:1
10	avg	37.7 FC	28.3 FC	23.6 FC	18.9 FC	14.8 FC
	min	17.9 FC	12.1 FC	14.1 FC	6.4 FC	6.1 FC
		3:1	3.4:1	2.3:1	4.5:1	3.9:1
8	avg	43.9 FC	33.2 FC	27.4 FC	22.3 FC	17.2 FC
	min	21.2 FC	16.6 FC	15.3 FC	9 FC	5.6 FC
		3.2:1	3.1:1	2.7:1	4.5:1	5.7:1

FIXTURE: VANLED52

7,822 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	20 FC	15 FC	12.4 FC	10.1 FC	7.7 FC
	min	14.2 FC	10.5 FC	8.8 FC	6.9 FC	5.1 FC
		1.7:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	26.5 FC	19.8 FC	16.3 FC	13.3 FC	10.2 FC
	min	17.4 FC	12.7 FC	10.8 FC	8.8 FC	6.3 FC
		1.9:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	36.4 FC	27.3 FC	22.4 FC	18.3 FC	14.1 FC
	min	22.7 FC	16.6 FC	14.1 FC	11.3 FC	7.6 FC
		2.1:1	2.1:1	2:1	2.1:1	2.5:1
12	avg	44.9 FC	33.7 FC	27.8 FC	22.7 FC	17.5 FC
	min	25.2 FC	18.3 FC	16.1 FC	12.2 FC	8.3 FC
		2.4:1	2.5:1	2.3:1	2.5:1	3.1:1
10	avg	52.1 FC	39 FC	32.4 FC	26.1 FC	20.4 FC
	min	27.1 FC	17.4 FC	18.8 FC	9.5 FC	8.2 FC
		2.7:1	3.2:1	2.4:1	4.1:1	3.9:1
8	avg	60.9 FC	45.8 FC	37.8 FC	30.9 FC	23.8 FC
	min	31.6 FC	22 FC	20.2 FC	13.1 FC	7.4 FC
		3:1	3.2:1	2.8:1	4.1:1	5.8:1

FIXTURE: VANLED52F

8,133 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	21 FC	15.7 FC	13 FC	10.5 FC	8.1 FC
	min	15 FC	11 FC	9.2 FC	7 FC	5.3 FC
		1.7:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	27.7 FC	20.8 FC	17.1 FC	13.9 FC	10.7 FC
	min	17.7 FC	12.9 FC	11 FC	9.1 FC	6.6 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	38.2 FC	28.6 FC	23.5 FC	19.2 FC	14.8 FC
	min	24.4 FC	16.9 FC	14.4 FC	11.5 FC	8.1 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	47.1 FC	35.4 FC	29.2 FC	23.9 FC	18.5 FC
	min	25.5 FC	18.6 FC	16.5 FC	12.3 FC	8.9 FC
		2.5:1	2.6:1	2.4:1	2.7:1	3:1
10	avg	54.7 FC	41 FC	34.1 FC	27.4 FC	21.5 FC
	min	27.4 FC	17.6 FC	20.2 FC	9.5 FC	9 FC
		2.8:1	3.3:1	2.3:1	4.3:1	3.7:1
8	avg	64.1 FC	48.3 FC	39.9 FC	32.6 FC	25.1 FC
	min	32.8 FC	24.1 FC	22.1 FC	13.2 FC	8.4 FC
		3:1	3.1:1	2.6:1	4.2:1	5.3:1

FIXTURE: VANLED52FR

6,938 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	17.9 FC	13.5 FC	11.1 FC	9 FC	6.9 FC
	min	12.6 FC	9.3 FC	7.9 FC	6.1 FC	4.6 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	23.5 FC	17.6 FC	14.5 FC	11.8 FC	9.1 FC
	min	15.3 FC	11.2 FC	9.6 FC	7.8 FC	5.5 FC
		2:1	2:1	1.9:1	1.9:1	2.2:1
15	avg	32.2 FC	24.1 FC	19.8 FC	16.2 FC	12.5 FC
	min	19.9 FC	14.6 FC	12.4 FC	9.9 FC	6.6 FC
		2.1:1	2.2:1	2.1:1	2.1:1	2.6:1
12	avg	39.5 FC	29.7 FC	24.4 FC	20 FC	15.4 FC
	min	21.7 FC	15.9 FC	14.1 FC	10.5 FC	7.1 FC
		2.5:1	2.5:1	2.3:1	2.6:1	3.2:1
10	avg	45.6 FC	34.2 FC	28.4 FC	22.8 FC	17.9 FC
	min	23.2 FC	15 FC	16.5 FC	8.1 FC	7.1 FC
		2.8:1	3.3:1	2.4:1	4.3:1	4.1:1
8	avg	53.1 FC	40 FC	33 FC	27 FC	20.7 FC
	min	27 FC	19.1 FC	17.5 FC	11.2 FC	6.5 FC
		3.1:1	3.3:1	2.8:1	4.3:1	5.9:1

FIXTURE: VANLED52FFR

7,322 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	19.6 FC	14.7 FC	12.1 FC	9.8 FC	7.6 FC
	min	13.8 FC	10.2 FC	8.6 FC	6.6 FC	5 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	25.7 FC	19.2 FC	15.9 FC	12.9 FC	9.9 FC
	min	16.6 FC	12.1 FC	10.4 FC	8.5 FC	6 FC
		2:1	2:1	1.9:1	1.9:1	2.2:1
15	avg	35.1 FC	26.3 FC	21.6 FC	17.7 FC	13.6 FC
	min	21.8 FC	15.8 FC	13.4 FC	10.7 FC	7.2 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.6:1
12	avg	43 FC	32.3 FC	26.6 FC	21.8 FC	16.8 FC
	min	23.6 FC	17.2 FC	15.3 FC	11.4 FC	7.7 FC
		2.5:1	2.6:1	2.3:1	2.7:1	3.2:1
10	avg	49.6 FC	37.2 FC	31 FC	24.9 FC	19.5 FC
	min	25.1 FC	16.1 FC	17.9 FC	8.6 FC	7.7 FC
		2.9:1	3.3:1	2.4:1	4.4:1	4.1:1
8	avg	57.7 FC	43.5 FC	35.9 FC	29.3 FC	22.6 FC
	min	29.4 FC	20.7 FC	19 FC	12 FC	7 FC
		3.1:1	3.3:1	2.8:1	4.4:1	6:1

FIXTURE: VANLED65

9,151 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	23.1 FC	17.3 FC	14.3 FC	11.6 FC	8.9 FC
	min	16.5 FC	12 FC	10.1 FC	7.6 FC	5.9 FC
		1.7:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	30.5 FC	22.8 FC	18.8 FC	15.3 FC	11.8 FC
	min	19.5 FC	14.2 FC	12.1 FC	10 FC	7.2 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	42 FC	31.4 FC	25.9 FC	21.1 FC	16.3 FC
	min	26.8 FC	18.5 FC	15.7 FC	12.5 FC	8.9 FC
		2:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	51.8 FC	38.9 FC	32.1 FC	26.2 FC	20.3 FC
	min	28.2 FC	20.2 FC	17.9 FC	13.5 FC	9.7 FC
		2.5:1	2.6:1	2.4:1	2.6:1	3:1
10	avg	60.1 FC	45 FC	37.5 FC	30 FC	23.6 FC
	min	30.3 FC	19.2 FC	22 FC	10.4 FC	9.9 FC
		2.8:1	3.3:1	2.3:1	4.3:1	3.7:1
8	avg	70.5 FC	53 FC	43.7 FC	35.8 FC	27.5 FC
	min	36.3 FC	26.4 FC	24.2 FC	14.4 FC	9.1 FC
		3:1	3.1:1	2.7:1	4.3:1	5.4:1

FIXTURE: VANLED65F

9,326 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	24.1 FC	18.1 FC	14.9 FC	12.1 FC	9.3 FC
	min	16.8 FC	12.6 FC	10.6 FC	8 FC	6.1 FC
		1.8:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	31.8 FC	23.9 FC	19.6 FC	16 FC	12.3 FC
	min	19.8 FC	14.9 FC	12.7 FC	10.4 FC	7.6 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	43.8 FC	32.9 FC	27 FC	22.1 FC	17 FC
	min	27.1 FC	19.6 FC	16.6 FC	13.2 FC	9.3 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	54 FC	40.7 FC	33.5 FC	27.4 FC	21.2 FC
	min	28.2 FC	21.6 FC	19.2 FC	14.3 FC	10.3 FC
		2.6:1	2.6:1	2.3:1	2.6:1	3:1
10	avg	62.7 FC	47.1 FC	39.2 FC	31.4 FC	24.7 FC
	min	30.1 FC	20.4 FC	23.6 FC	11 FC	10.4 FC
		3:1	3.3:1	2.3:1	4.3:1	3.7:1
8	avg	73.5 FC	55.5 FC	45.8 FC	37.4 FC	28.8 FC
	min	35.9 FC	28.3 FC	26 FC	15.5 FC	9.8 FC
		3.1:1	3:1	2.6:1	4.1:1	5.3:1

FIXTURE: VANLED65FR

8,024 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	20.4 FC	15.3 FC	12.6 FC	10.3 FC	7.9 FC
	min	14.3 FC	10.5 FC	8.9 FC	6.7 FC	5.1 FC
		1.8:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	26.8 FC	20.1 FC	16.6 FC	13.5 FC	10.4 FC
	min	16.9 FC	12.3 FC	10.6 FC	8.7 FC	6.3 FC
		2:1	2.1:1	1.9:1	2:1	2.1:1
15	avg	36.7 FC	27.5 FC	22.6 FC	18.5 FC	14.3 FC
	min	23.1 FC	16 FC	13.7 FC	10.9 FC	7.6 FC
		2.1:1	2.3:1	2.1:1	2.2:1	2.6:1
12	avg	45.1 FC	33.9 FC	27.9 FC	22.8 FC	17.6 FC
	min	24 FC	17.5 FC	15.6 FC	11.5 FC	8.2 FC
		2.6:1	2.6:1	2.4:1	2.8:1	3.2:1
10	avg	52.1 FC	39 FC	32.5 FC	26 FC	20.4 FC
	min	25.5 FC	16.4 FC	19.1 FC	8.8 FC	8.3 FC
		2.9:1	3.4:1	2.4:1	4.5:1	4:1
8	avg	60.8 FC	45.8 FC	37.8 FC	30.9 FC	23.7 FC
	min	30.3 FC	22.6 FC	20.7 FC	12.2 FC	7.7 FC
		3.1:1	3.2:1	2.7:1	4.5:1	5.7:1

FIXTURE: VANLED65FFR

8,504 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	22.4 FC	16.8 FC	13.8 FC	11.2 FC	8.6 FC
	min	15.7 FC	11.6 FC	9.7 FC	7.3 FC	5.6 FC
		1.8:1	1.8:1	1.7:1	1.9:1	2:1
20	avg	29.4 FC	22.1 FC	18.2 FC	14.8 FC	11.4 FC
	min	18.4 FC	13.5 FC	11.6 FC	9.5 FC	6.9 FC
		2:1	2.1:1	2:1	2:1	2.1:1
15	avg	40.2 FC	30.2 FC	24.8 FC	20.3 FC	15.6 FC
	min	25.2 FC	17.7 FC	15.1 FC	12 FC	8.3 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.6:1
12	avg	49.3 FC	37.1 FC	30.6 FC	25 FC	19.3 FC
	min	26 FC	19.3 FC	17.2 FC	12.7 FC	9 FC
		2.6:1	2.6:1	2.4:1	2.7:1	3.2:1
10	avg	57 FC	42.7 FC	35.6 FC	28.5 FC	22.4 FC
	min	27.7 FC	18 FC	20.9 FC	9.6 FC	9.1 FC
		3:1	3.4:1	2.4:1	4.6:1	4:1
8	avg	66.4 FC	50.1 FC	41.3 FC	33.7 FC	26 FC
	min	32.8 FC	24.7 FC	22.7 FC	13.3 FC	8.4 FC
		3.1:1	3.2:1	2.7:1	4.6:1	5.7:1

FIXTURE: VANLED75

10,270 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	25.7 FC	19.3 FC	15.9 FC	12.9 FC	9.9 FC
	min	18.2 FC	13.6 FC	11.4 FC	8.6 FC	6.7 FC
		1.7:1	1.7:1	1.7:1	1.9:1	1.9:1
20	avg	34 FC	25.5 FC	21 FC	17.1 FC	13.2 FC
	min	21.6 FC	16.1 FC	13.7 FC	11.3 FC	8.2 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	46.8 FC	35.2 FC	28.9 FC	23.6 FC	18.2 FC
	min	29.6 FC	21.1 FC	17.9 FC	14.3 FC	10.1 FC
		2.1:1	2.2:1	2.1:1	2.1:1	2.4:1
12	avg	57.8 FC	43.5 FC	35.9 FC	29.3 FC	22.7 FC
	min	31 FC	23.2 FC	20.6 FC	15.4 FC	11.1 FC
		2.5:1	2.5:1	2.3:1	2.6:1	2.9:1
10	avg	67.2 FC	50.4 FC	42 FC	33.6 FC	26.4 FC
	min	33.3 FC	22.1 FC	25.4 FC	12 FC	11.3 FC
		2.9:1	3.2:1	2.3:1	4.1:1	3.6:1
8	avg	78.8 FC	59.5 FC	49 FC	40.1 FC	30.9 FC
	min	39.7 FC	30.6 FC	28.1 FC	16.7 FC	10.5 FC
		3:1	3:1	2.6:1	4.1:1	5.2:1

FIXTURE: VANLED75F

10,493 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	26.9 FC	20.2 FC	16.6 FC	13.5 FC	10.4 FC
	min	19.2 FC	14.1 FC	11.8 FC	9 FC	6.9 FC
		1.7:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	35.6 FC	26.7 FC	22 FC	17.9 FC	13.8 FC
	min	22.8 FC	16.6 FC	14.2 FC	11.7 FC	8.5 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	49.1 FC	36.8 FC	30.3 FC	24.7 FC	19.1 FC
	min	31.3 FC	21.8 FC	18.5 FC	14.8 FC	10.4 FC
		2:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	60.6 FC	45.6 FC	37.5 FC	30.7 FC	23.7 FC
	min	32.8 FC	24 FC	21.3 FC	15.9 FC	11.5 FC
		2.5:1	2.6:1	2.3:1	2.6:1	3:1
10	avg	70.4 FC	52.7 FC	43.9 FC	35.2 FC	27.7 FC
	min	35.2 FC	22.7 FC	26 FC	12.3 FC	11.7 FC
		2.8:1	3.3:1	2.3:1	4.2:1	3.7:1
8	avg	82.5 FC	62.2 FC	51.3 FC	41.9 FC	32.3 FC
	min	42.2 FC	31.1 FC	28.5 FC	17.1 FC	10.9 FC
		3:1	3:1	2.6:1	4.2:1	5.2:1

FIXTURE: VANLED75FR

9,004 Lumens

Height (ft)		Spacing (ft)				
		1x6	1x8	1x10	1x12	1x15
25	avg	23.2 FC	17.4 FC	14.4 FC	11.7 FC	8.9 FC
	min	16.5 FC	12.2 FC	10.3 FC	7.8 FC	6 FC
		1.7:1	1.8:1	1.7:1	1.9:1	1.9:1
20	avg	30.5 FC	22.8 FC	18.8 FC	15.3 FC	11.8 FC
	min	19.6 FC	14.4 FC	12.3 FC	10.1 FC	7.3 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	41.7 FC	31.2 FC	25.7 FC	21 FC	16.2 FC
	min	26.1 FC	18.7 FC	15.9 FC	12.7 FC	8.7 FC
		2.1:1	2.2:1	2.1:1	2.2:1	2.5:1
12	avg	51.1 FC	38.4 FC	31.7 FC	25.9 FC	20 FC
	min	27.8 FC	20.4 FC	18.1 FC	13.5 FC	9.4 FC
		2.5:1	2.6:1	2.4:1	2.7:1	3.1:1
10	avg	59.1 FC	44.3 FC	36.8 FC	29.6 FC	23.2 FC
	min	29.7 FC	19.2 FC	21.6 FC	10.3 FC	9.4 FC
		2.9:1	3.3:1	2.4:1	4.4:1	4:1
8	avg	68.8 FC	51.8 FC	42.8 FC	35 FC	26.9 FC
	min	35.1 FC	25.1 FC	23 FC	14.3 FC	8.6 FC
		3.1:1	3.2:1	2.8:1	4.4:1	5.8:1

FIXTURE: VANLED75FFR

9,519 Lumens

		Spacing (ft)				
Height (ft)		1x6	1x8	1x10	1x12	1x15
	avg	25.4 FC	19 FC	15.7 FC	12.7 FC	9.8 FC
25	min	17.9 FC	13.2 FC	11.1 FC	8.6 FC	6.4 FC
		1.8:1	1.8:1	1.7:1	1.8:1	1.9:1
20	avg	33.4 FC	25 FC	20.6 FC	16.7 FC	12.9 FC
	min	21.7 FC	15.8 FC	13.5 FC	11 FC	7.8 FC
		2:1	2:1	1.9:1	1.9:1	2.1:1
15	avg	45.5 FC	34.1 FC	28.1 FC	22.9 FC	17.7 FC
	min	28.2 FC	20.6 FC	17.5 FC	14 FC	9.3 FC
		2.1:1	2.2:1	2.1:1	2.1:1	2.6:1
12	avg	55.8 FC	42 FC	34.6 FC	28.3 FC	21.9 FC
	min	30.8 FC	22.5 FC	20 FC	14.9 FC	10 FC
		2.5:1	2.6:1	2.3:1	2.6:1	3.2:1
10	avg	64.5 FC	48.3 FC	40.2 FC	32.3 FC	25.3 FC
	min	32.8 FC	21.1 FC	23.2 FC	11.3 FC	9.9 FC
		2.8:1	3.3:1	2.4:1	4.4:1	4.1:1
8	avg	75 FC	56.5 FC	46.6 FC	38.1 FC	29.3 FC
	min	38.1 FC	26.8 FC	24.6 FC	15.7 FC	9 FC
		3.1:1	3.3:1	2.9:1	4.3:1	6.1:1



Multi-Row Canopy Spacing Tables

VANLED® Family

Spacing Tables are to be used for quick reference ONLY. The tables provide average and minimum footcandle levels and max:min uniformity ratios for the designated fixture spacing at a given height.

RAB does not recommend all of these configurations. Refer to IES recommended practice for specific Space Applications. For questions contact Lighting Design.

FIXTURE: VANLED10

1,898 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	25.2 FC	14.3 FC	9.7 FC	6.3 FC	3.7 FC
	min	14 FC	8 FC	5.7 FC	3.5 FC	1.9 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.8:1
20	avg	29.5 FC	16.8 FC	11.4 FC	7.4 FC	4.4 FC
	min	15.2 FC	8.7 FC	6.3 FC	3.8 FC	2 FC
		2.7:1	2.7:1	2.4:1	2.7:1	3.2:1
15	avg	34.8 FC	20 FC	13.5 FC	8.9 FC	5.3 FC
	min	16.6 FC	9.6 FC	7.2 FC	4.2 FC	2 FC
		2.8:1	2.9:1	2.5:1	2.9:1	3.9:1
12	avg	38.4 FC	22.1 FC	15 FC	10 FC	5.9 FC
	min	17.9 FC	10.4 FC	8 FC	4.6 FC	2 FC
		2.8:1	2.9:1	2.4:1	2.9:1	4.4:1
10	avg	41.1 FC	23.7 FC	16.2 FC	10.8 FC	6.4 FC
	min	19 FC	11.1 FC	9 FC	4.8 FC	1.8 FC
		2.8:1	2.8:1	2.2:1	3:1	5.6:1
8	avg	44 FC	25.5 FC	17.4 FC	11.6 FC	6.8 FC
	min	20.5 FC	12.4 FC	10.5 FC	4.8 FC	1.5 FC
		2.7:1	2.6:1	2:1	3.5:1	7.9:1

-Fixture Calculations in 50' x50' open room (no columns or beams), 50/.01/20 reflectances (0.1 to simulate no walls/open-air). Readings taken at 0'-0" AFF, CCT 5000K.

-Ratios show max:min uniformity

-This information is current as of 11/4/2022.

-The Lighting Analysis provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance. RAB neither warranties, either implied or stated with regard to actual measured light levels as compared to those illustrated by the Spacing Table. RAB neither warranties, either implied or stated, nor represents the appropriateness, completeness or suitability of the lighting design intent as compliant with any applicable regulatory code requirements. The Spacing Table is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation package.

FIXTURE: VANLED10F

2,120 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	26.8 FC	15.1 FC	10.2 FC	6.7 FC	4 FC
	min	15 FC	8.4 FC	5.8 FC	3.7 FC	2.1 FC
		2.4:1	2.5:1	2.3:1	2.5:1	2.7:1
20	avg	31.5 FC	17.9 FC	12.1 FC	7.9 FC	4.7 FC
	min	16.4 FC	9.1 FC	6.4 FC	4 FC	2.2 FC
		2.7:1	2.7:1	2.6:1	2.7:1	3.1:1
15	avg	37.2 FC	21.3 FC	14.4 FC	9.5 FC	5.6 FC
	min	17.9 FC	10.1 FC	7.3 FC	4.5 FC	2.2 FC
		2.8:1	2.9:1	2.6:1	2.9:1	3.7:1
12	avg	41.2 FC	23.5 FC	16 FC	10.6 FC	6.3 FC
	min	19.2 FC	10.9 FC	8.2 FC	4.8 FC	2.1 FC
		2.9:1	2.9:1	2.5:1	3:1	4.5:1
10	avg	44.1 FC	25.2 FC	17.2 FC	11.5 FC	6.8 FC
	min	20.3 FC	11.8 FC	9.1 FC	4.9 FC	2 FC
		2.8:1	2.8:1	2.4:1	3.2:1	5.3:1
8	avg	47.3 FC	27.1 FC	18.6 FC	12.4 FC	7.3 FC
	min	22 FC	13.1 FC	10.7 FC	5 FC	1.7 FC
		2.7:1	2.6:1	2.1:1	3.6:1	7.2:1

FIXTURE: VANLED10FR

1,814 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	21.9 FC	12.4 FC	8.4 FC	5.5 FC	3.2 FC
	min	12.3 FC	6.8 FC	4.7 FC	3 FC	1.7 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	25.7 FC	14.7 FC	9.9 FC	6.5 FC	3.9 FC
	min	13.5 FC	7.5 FC	5.3 FC	3.3 FC	1.8 FC
		2.6:1	2.7:1	2.5:1	2.7:1	3.1:1
15	avg	30.3 FC	17.4 FC	11.8 FC	7.8 FC	4.6 FC
	min	14.9 FC	8.3 FC	6.1 FC	3.7 FC	1.8 FC
		2.7:1	2.9:1	2.5:1	2.9:1	3.7:1
12	avg	33.6 FC	19.4 FC	13.2 FC	8.8 FC	5.2 FC
	min	16.1 FC	9.1 FC	6.9 FC	4 FC	1.8 FC
		2.8:1	2.9:1	2.5:1	2.9:1	4.3:1
10	avg	36.1 FC	20.8 FC	14.2 FC	9.5 FC	5.6 FC
	min	17.2 FC	9.8 FC	7.7 FC	4.1 FC	1.6 FC
		2.7:1	2.8:1	2.3:1	3.2:1	5.4:1
8	avg	38.8 FC	22.4 FC	15.4 FC	10.3 FC	6 FC
	min	18.7 FC	11 FC	8.9 FC	4.2 FC	1.4 FC
		2.7:1	2.6:1	2.1:1	3.6:1	7.4:1

FIXTURE: VANLED10FFR

1,898 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	23.9 FC	13.5 FC	9.1 FC	6 FC	3.5 FC
	min	13.2 FC	7.3 FC	5.1 FC	3.2 FC	1.8 FC
		2.5:1	2.5:1	2.4:1	2.6:1	2.8:1
20	avg	28 FC	15.9 FC	10.7 FC	7 FC	4.2 FC
	min	14.5 FC	8 FC	5.7 FC	3.5 FC	1.9 FC
		2.7:1	2.8:1	2.5:1	2.7:1	3.2:1
15	avg	32.9 FC	18.8 FC	12.7 FC	8.4 FC	5 FC
	min	16.2 FC	8.9 FC	6.5 FC	3.9 FC	2 FC
		2.8:1	2.9:1	2.6:1	2.9:1	3.6:1
12	avg	36.5 FC	20.9 FC	14.2 FC	9.4 FC	5.6 FC
	min	17.3 FC	9.7 FC	7.3 FC	4.2 FC	1.9 FC
		2.8:1	2.9:1	2.5:1	3:1	4.4:1
10	avg	39.1 FC	22.4 FC	15.3 FC	10.2 FC	6 FC
	min	18.4 FC	10.5 FC	8.2 FC	4.3 FC	1.7 FC
		2.8:1	2.8:1	2.3:1	3.2:1	5.5:1
8	avg	41.9 FC	24.1 FC	16.5 FC	11 FC	6.5 FC
	min	20 FC	11.7 FC	9.6 FC	4.3 FC	1.5 FC
		2.7:1	2.6:1	2.1:1	3.8:1	7.4:1

FIXTURE: VANLED20

3,249 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	39.8 FC	22.5 FC	15.3 FC	10 FC	5.9 FC
	min	22.3 FC	12.4 FC	8.6 FC	5.5 FC	3.1 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	46.8 FC	26.7 FC	18 FC	11.8 FC	7 FC
	min	24.4 FC	13.5 FC	9.5 FC	6 FC	3.3 FC
		2.6:1	2.7:1	2.6:1	2.7:1	3.1:1
15	avg	55.3 FC	31.7 FC	21.5 FC	14.2 FC	8.4 FC
	min	26.9 FC	15 FC	10.9 FC	6.6 FC	3.4 FC
		2.8:1	2.9:1	2.6:1	2.9:1	3.6:1
12	avg	61.3 FC	35.3 FC	23.9 FC	15.9 FC	9.4 FC
	min	28.9 FC	16.3 FC	12.1 FC	7.2 FC	3.3 FC
		2.8:1	2.9:1	2.6:1	3:1	4.2:1
10	avg	65.7 FC	37.9 FC	25.8 FC	17.2 FC	10.2 FC
	min	30.7 FC	17.4 FC	13.6 FC	7.6 FC	3 FC
		2.8:1	2.9:1	2.4:1	3:1	5.2:1
8	avg	70.6 FC	40.8 FC	27.9 FC	18.6 FC	11 FC
	min	33.3 FC	19.5 FC	16 FC	7.7 FC	2.5 FC
		2.7:1	2.7:1	2.1:1	3.5:1	7.4:1

FIXTURE: VANLED20F

3.260 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	41.2 FC	23.2 FC	15.7 FC	10.3 FC	6.1 FC
	min	23 FC	12.8 FC	8.8 FC	5.7 FC	3.2 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	48.4 FC	27.5 FC	18.6 FC	12.1 FC	7.2 FC
	min	25.1 FC	13.9 FC	9.8 FC	6.2 FC	3.3 FC
		2.7:1	2.8:1	2.6:1	2.7:1	3.2:1
15	avg	57.2 FC	32.6 FC	22.1 FC	14.6 FC	8.7 FC
	min	27.5 FC	15.4 FC	11.2 FC	6.8 FC	3.4 FC
		2.8:1	2.9:1	2.6:1	3:1	3.7:1
12	avg	63.3 FC	36.2 FC	24.6 FC	16.3 FC	9.7 FC
	min	29.4 FC	16.7 FC	12.5 FC	7.4 FC	3.3 FC
		2.9:1	2.9:1	2.5:1	3:1	4.4:1
10	avg	67.7 FC	38.8 FC	26.5 FC	17.6 FC	10.4 FC
	min	31.1 FC	17.9 FC	13.9 FC	7.6 FC	3 FC
		2.9:1	2.8:1	2.4:1	3.1:1	5.4:1
8	avg	72.6 FC	41.7 FC	28.5 FC	19 FC	11.3 FC
	min	33.7 FC	20 FC	16.3 FC	7.8 FC	2.5 FC
		2.8:1	2.7:1	2.1:1	3.5:1	7.5:1

FIXTURE: VANLED20FR

2,875 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	34.8 FC	19.7 FC	13.4 FC	8.8 FC	5.2 FC
	min	19.5 FC	10.8 FC	7.6 FC	4.8 FC	2.7 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	40.8 FC	23.2 FC	15.7 FC	10.3 FC	6.1 FC
	min	21.4 FC	11.9 FC	8.4 FC	5.3 FC	2.8 FC
		2.6:1	2.7:1	2.5:1	2.7:1	3.1:1
15	avg	48.1 FC	27.6 FC	18.7 FC	12.3 FC	7.3 FC
	min	23.6 FC	13.3 FC	9.7 FC	5.9 FC	2.9 FC
		2.7:1	2.8:1	2.5:1	2.9:1	3.7:1
12	avg	53.3 FC	30.7 FC	20.9 FC	13.9 FC	8.2 FC
	min	25.5 FC	14.5 FC	10.9 FC	6.3 FC	2.8 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4.4:1
10	avg	57.2 FC	33 FC	22.5 FC	15 FC	8.9 FC
	min	27.1 FC	15.6 FC	12.2 FC	6.5 FC	2.6 FC
		2.8:1	2.8:1	2.3:1	3.2:1	5.4:1
8	avg	61.5 FC	35.6 FC	24.3 FC	16.2 FC	9.6 FC
	min	29.6 FC	17.5 FC	14.3 FC	6.6 FC	2.2 FC
		2.7:1	2.6:1	2.1:1	3.7:1	7.5:1

FIXTURE: VANLED20FFR

3,039 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	38.2 FC	21.5 FC	14.5 FC	9.5 FC	5.7 FC
	min	21 FC	11.8 FC	8.2 FC	5.2 FC	2.9 FC
		2.5:1	2.5:1	2.4:1	2.5:1	2.8:1
20	avg	44.8 FC	25.4 FC	17.2 FC	11.2 FC	6.7 FC
	min	22.9 FC	12.9 FC	9.1 FC	5.7 FC	3 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.2:1
15	avg	52.7 FC	30.1 FC	20.4 FC	13.4 FC	8 FC
	min	25.3 FC	14.4 FC	10.5 FC	6.4 FC	3.1 FC
		2.8:1	2.9:1	2.6:1	2.9:1	3.7:1
12	avg	58.4 FC	33.4 FC	22.7 FC	15.1 FC	8.9 FC
	min	27.2 FC	15.6 FC	11.8 FC	6.9 FC	2.9 FC
		2.8:1	2.9:1	2.5:1	2.9:1	4.6:1
10	avg	62.5 FC	35.8 FC	24.5 FC	16.3 FC	9.6 FC
	min	28.9 FC	16.9 FC	13.2 FC	7.1 FC	2.7 FC
		2.8:1	2.8:1	2.3:1	3.1:1	5.6:1
8	avg	67.1 FC	38.5 FC	26.4 FC	17.6 FC	10.4 FC
	min	31.5 FC	18.8 FC	15.5 FC	7.1 FC	2.3 FC
		2.7:1	2.6:1	2.1:1	3.7:1	7.7:1

FIXTURE: VANLED28

4,019 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	49.2 FC	27.8 FC	18.9 FC	12.4 FC	7.3 FC
	min	27.7 FC	15.4 FC	10.7 FC	6.8 FC	3.8 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	57.8 FC	33 FC	22.3 FC	14.6 FC	8.7 FC
	min	30.3 FC	16.8 FC	11.8 FC	7.5 FC	4 FC
		2.6:1	2.7:1	2.5:1	2.7:1	3.2:1
15	avg	68.3 FC	39.2 FC	26.5 FC	17.5 FC	10.4 FC
	min	33.2 FC	18.6 FC	13.5 FC	8.2 FC	4.2 FC
		2.8:1	2.9:1	2.6:1	2.9:1	3.6:1
12	avg	75.7 FC	43.6 FC	29.6 FC	19.7 FC	11.7 FC
	min	35.7 FC	20.3 FC	15.1 FC	9 FC	4 FC
		2.8:1	2.9:1	2.5:1	2.9:1	4.3:1
10	avg	81.2 FC	46.8 FC	31.9 FC	21.3 FC	12.6 FC
	min	38 FC	21.7 FC	16.9 FC	9.4 FC	3.7 FC
		2.8:1	2.8:1	2.4:1	3:1	5.2:1
8	avg	87.3 FC	50.4 FC	34.6 FC	23 FC	13.6 FC
	min	41.2 FC	24.3 FC	19.9 FC	9.6 FC	3.1 FC
		2.7:1	2.7:1	2.1:1	3.5:1	7.4:1

FIXTURE: VANLED28F

4,016 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	50.7 FC	28.5 FC	19.3 FC	12.6 FC	7.5 FC
	min	28.3 FC	15.8 FC	10.9 FC	7 FC	3.9 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.7:1
20	avg	59.6 FC	33.8 FC	22.8 FC	14.8 FC	8.9 FC
	min	30.8 FC	17.2 FC	12.1 FC	7.6 FC	4.1 FC
		2.7:1	2.7:1	2.6:1	2.7:1	3.2:1
15	avg	70.4 FC	40.2 FC	27.2 FC	17.9 FC	10.7 FC
	min	33.8 FC	19 FC	13.8 FC	8.4 FC	4.2 FC
		2.9:1	2.9:1	2.6:1	2.9:1	3.7:1
12	avg	78 FC	44.6 FC	30.3 FC	20.1 FC	11.9 FC
	min	36.1 FC	20.6 FC	15.4 FC	9.1 FC	4 FC
		2.9:1	2.9:1	2.5:1	3:1	4.5:1
10	avg	83.5 FC	47.8 FC	32.6 FC	21.7 FC	12.9 FC
	min	38.2 FC	22.1 FC	17.2 FC	9.4 FC	3.7 FC
		2.9:1	2.8:1	2.4:1	3.1:1	5.4:1
8	avg	89.5 FC	51.3 FC	35.1 FC	23.4 FC	13.9 FC
	min	41.4 FC	24.7 FC	20.2 FC	9.6 FC	3.1 FC
		2.8:1	2.6:1	2.1:1	3.5:1	7.5:1

FIXTURE: VANLED28FR

3,484 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	42.2 FC	23.9 FC	16.3 FC	10.7 FC	6.3 FC
	min	23.6 FC	13.1 FC	9.2 FC	5.9 FC	3.2 FC
		2.4:1	2.5:1	2.4:1	2.5:1	2.8:1
20	avg	49.5 FC	28.2 FC	19.1 FC	12.5 FC	7.4 FC
	min	25.8 FC	14.4 FC	10.2 FC	6.4 FC	3.4 FC
		2.6:1	2.7:1	2.5:1	2.7:1	3.2:1
15	avg	58.3 FC	33.5 FC	22.7 FC	15 FC	8.9 FC
	min	28.5 FC	16.1 FC	11.8 FC	7.2 FC	3.5 FC
		2.7:1	2.8:1	2.5:1	2.8:1	3.7:1
12	avg	64.6 FC	37.2 FC	25.3 FC	16.8 FC	9.9 FC
	min	30.8 FC	17.5 FC	13.3 FC	7.7 FC	3.4 FC
		2.8:1	2.8:1	2.4:1	2.9:1	4.4:1
10	avg	69.3 FC	40 FC	27.3 FC	18.2 FC	10.8 FC
	min	32.7 FC	19 FC	14.8 FC	8 FC	3.1 FC
		2.8:1	2.8:1	2.3:1	3.1:1	5.4:1
8	avg	74.6 FC	43.1 FC	29.5 FC	19.7 FC	11.6 FC
	min	35.7 FC	21.2 FC	17.3 FC	8.1 FC	2.7 FC
		2.7:1	2.6:1	2.1:1	3.6:1	7.4:1

FIXTURE: VANLED28FFR

3,669 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	47.3 FC	26.7 FC	18 FC	11.8 FC	7 FC
	min	25.8 FC	14.6 FC	10.4 FC	6.4 FC	3.4 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	55.2 FC	31.3 FC	21.2 FC	13.8 FC	8.3 FC
	min	28 FC	16 FC	11.6 FC	6.9 FC	3.6 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	64.8 FC	37 FC	25.1 FC	16.5 FC	9.8 FC
	min	30.8 FC	17.8 FC	13.4 FC	7.8 FC	3.6 FC
		2.8:1	2.8:1	2.5:1	2.9:1	4:1
12	avg	71.5 FC	41 FC	27.9 FC	18.5 FC	11 FC
	min	33 FC	19.3 FC	15.2 FC	8.4 FC	3.5 FC
		2.9:1	2.8:1	2.3:1	2.9:1	4.7:1
10	avg	76.5 FC	43.9 FC	29.9 FC	19.9 FC	11.8 FC
	min	35.1 FC	20.7 FC	17.1 FC	8.7 FC	3.2 FC
		2.8:1	2.8:1	2.2:1	3.1:1	5.9:1
8	avg	81.9 FC	47 FC	32.3 FC	21.5 FC	12.7 FC
	min	38.2 FC	23 FC	19.8 FC	8.6 FC	2.6 FC
		2.7:1	2.6:1	2:1	3.7:1	8.6:1

FIXTURE: VANLED40

6,113 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	75.2 FC	42.5 FC	28.9 FC	18.9 FC	11.1 FC
	min	41.2 FC	23.6 FC	16.7 FC	10.3 FC	5.5 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	88.3 FC	50.3 FC	34.1 FC	22.3 FC	13.2 FC
	min	44.9 FC	25.8 FC	18.6 FC	11.2 FC	5.8 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	104.2 FC	59.8 FC	40.5 FC	26.7 FC	15.9 FC
	min	49.3 FC	28.5 FC	21.4 FC	12.4 FC	6 FC
		2.9:1	2.9:1	2.5:1	3:1	3.8:1
12	avg	115.5 FC	66.5 FC	45.2 FC	30 FC	17.7 FC
	min	53 FC	31 FC	23.9 FC	13.5 FC	5.7 FC
		2.9:1	2.9:1	2.4:1	3:1	4.6:1
10	avg	123.8 FC	71.4 FC	48.7 FC	32.5 FC	19.2 FC
	min	56.7 FC	33.3 FC	26.5 FC	14.1 FC	5.2 FC
		2.8:1	2.8:1	2.3:1	3.1:1	5.8:1
8	avg	133 FC	76.9 FC	52.6 FC	35.1 FC	20.7 FC
	min	61.9 FC	37.1 FC	30.9 FC	14.3 FC	4.2 FC
		2.7:1	2.6:1	2.1:1	3.6:1	8.5:1

FIXTURE: VANLED40F

6,232 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	79 FC	44.4 FC	30 FC	19.7 FC	11.7 FC
	min	44.4 FC	25.2 FC	17.6 FC	10.8 FC	6 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.8:1
20	avg	92.8 FC	52.6 FC	35.6 FC	23.1 FC	13.9 FC
	min	48.3 FC	27.6 FC	19.5 FC	11.7 FC	6.3 FC
		2.6:1	2.6:1	2.5:1	2.7:1	3.2:1
15	avg	109.5 FC	62.5 FC	42.4 FC	27.9 FC	16.6 FC
	min	52.8 FC	30.4 FC	22.1 FC	12.9 FC	6.4 FC
		2.8:1	2.8:1	2.5:1	3:1	3.8:1
12	avg	121.1 FC	69.3 FC	47.1 FC	31.2 FC	18.5 FC
	min	56.6 FC	32.6 FC	24.8 FC	13.7 FC	6.2 FC
		2.8:1	2.9:1	2.5:1	3.1:1	4.5:1
10	avg	129.6 FC	74.3 FC	50.7 FC	33.7 FC	20 FC
	min	60.2 FC	34.8 FC	27.5 FC	14.2 FC	5.7 FC
		2.8:1	2.8:1	2.3:1	3.2:1	5.4:1
8	avg	139 FC	79.7 FC	54.6 FC	36.4 FC	21.5 FC
	min	65.6 FC	38.2 FC	31.7 FC	14.4 FC	4.7 FC
		2.7:1	2.7:1	2.1:1	3.7:1	7.7:1

FIXTURE: VANLED40FR

5,393 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	65.5 FC	37.1 FC	25.3 FC	16.5 FC	9.7 FC
	min	36.2 FC	20.7 FC	14.7 FC	9 FC	4.8 FC
		2.5:1	2.4:1	2.3:1	2.5:1	2.9:1
20	avg	76.8 FC	43.8 FC	29.7 FC	19.5 FC	11.5 FC
	min	39.6 FC	22.7 FC	16.3 FC	9.8 FC	5.1 FC
		2.7:1	2.7:1	2.4:1	2.7:1	3.3:1
15	avg	90.5 FC	52 FC	35.2 FC	23.3 FC	13.8 FC
	min	43.7 FC	25.3 FC	18.7 FC	10.9 FC	5.2 FC
		2.8:1	2.8:1	2.5:1	2.9:1	3.9:1
12	avg	100.3 FC	57.8 FC	39.3 FC	26.1 FC	15.4 FC
	min	47.1 FC	27.6 FC	21.1 FC	11.6 FC	5 FC
		2.8:1	2.8:1	2.4:1	3:1	4.6:1
10	avg	107.6 FC	62.1 FC	42.4 FC	28.2 FC	16.7 FC
	min	50.5 FC	29.6 FC	23.4 FC	12 FC	4.6 FC
		2.8:1	2.7:1	2.3:1	3.2:1	5.7:1
8	avg	115.7 FC	66.9 FC	45.8 FC	30.5 FC	18 FC
	min	55.4 FC	32.5 FC	27.1 FC	12.1 FC	3.8 FC
		2.7:1	2.6:1	2:1	3.7:1	8.3:1

FIXTURE: VANLED40FFR

5,625 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	70.9 FC	40 FC	27 FC	17.7 FC	10.5 FC
	min	38.8 FC	21.9 FC	15.3 FC	9.4 FC	5.2 FC
		2.5:1	2.5:1	2.4:1	2.6:1	2.9:1
20	avg	83 FC	47.1 FC	31.9 FC	20.7 FC	12.4 FC
	min	42.3 FC	24.1 FC	17.1 FC	10.2 FC	5.5 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	97.8 FC	55.9 FC	37.8 FC	24.9 FC	14.8 FC
	min	46.6 FC	26.7 FC	19.6 FC	11.3 FC	5.5 FC
		2.8:1	2.9:1	2.5:1	3:1	3.9:1
12	avg	108.2 FC	61.9 FC	42.1 FC	27.9 FC	16.6 FC
	min	50.2 FC	28.8 FC	22.1 FC	12.1 FC	5.3 FC
		2.8:1	2.9:1	2.4:1	3.1:1	4.7:1
10	avg	115.9 FC	66.4 FC	45.3 FC	30.1 FC	17.8 FC
	min	53.6 FC	31 FC	24.6 FC	12.4 FC	4.8 FC
		2.8:1	2.8:1	2.3:1	3.3:1	5.9:1
8	avg	124.4 FC	71.4 FC	48.9 FC	32.6 FC	19.2 FC
	min	58.7 FC	34.1 FC	28.5 FC	12.3 FC	4 FC
		2.7:1	2.7:1	2.1:1	4:1	8.4:1

FIXTURE: VANLED52

7,822 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	97.3 FC	55.1 FC	37.3 FC	24.4 FC	14.4 FC
	min	52.8 FC	30 FC	21.4 FC	13.5 FC	7.2 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	114.2 FC	65.1 FC	44 FC	28.7 FC	17.1 FC
	min	57.5 FC	32.9 FC	23.7 FC	14.8 FC	7.6 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.3:1
15	avg	134.5 FC	77.2 FC	52.3 FC	34.4 FC	20.5 FC
	min	62.9 FC	36.3 FC	27.4 FC	16.4 FC	7.8 FC
		2.9:1	2.9:1	2.5:1	2.9:1	3.8:1
12	avg	148.8 FC	85.7 FC	58.2 FC	38.7 FC	22.8 FC
	min	67.6 FC	39.3 FC	30.6 FC	18.1 FC	7.4 FC
		2.9:1	2.9:1	2.5:1	2.9:1	4.6:1
10	avg	159.4 FC	92 FC	62.7 FC	41.8 FC	24.7 FC
	min	71.9 FC	42.1 FC	34.5 FC	19.1 FC	6.7 FC
		2.9:1	2.9:1	2.3:1	2.9:1	5.8:1
8	avg	171 FC	98.9 FC	67.7 FC	45.2 FC	26.6 FC
	min	77.9 FC	46.8 FC	40.8 FC	19.5 FC	5.5 FC
		2.8:1	2.7:1	2:1	3.3:1	8.3:1

FIXTURE: VANLED52F

8,133 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	103 FC	58 FC	39.2 FC	25.7 FC	15.2 FC
	min	55.9 FC	31.9 FC	22.5 FC	13.9 FC	7.5 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	121 FC	68.7 FC	46.4 FC	30.1 FC	18.1 FC
	min	60.8 FC	34.9 FC	25.2 FC	15 FC	7.9 FC
		2.8:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	142.8 FC	81.6 FC	55.3 FC	36.4 FC	21.6 FC
	min	66.4 FC	38.5 FC	28.9 FC	16.7 FC	8 FC
		2.9:1	2.9:1	2.5:1	3:1	4:1
12	avg	158.1 FC	90.4 FC	61.4 FC	40.8 FC	24.2 FC
	min	71.3 FC	41.6 FC	32.6 FC	18.1 FC	7.7 FC
		3:1	2.9:1	2.4:1	3:1	4.7:1
10	avg	169.2 FC	96.9 FC	66.1 FC	44 FC	26.1 FC
	min	75.9 FC	44.8 FC	36.2 FC	18.8 FC	7.1 FC
		2.9:1	2.8:1	2.3:1	3.2:1	5.7:1
8	avg	181.4 FC	104 FC	71.3 FC	47.5 FC	28.1 FC
	min	82.9 FC	50.1 FC	41.9 FC	19 FC	5.8 FC
		2.8:1	2.6:1	2.1:1	3.6:1	8.3:1

FIXTURE: VANLED52FR

6,938 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	85.2 FC	48.3 FC	32.8 FC	21.4 FC	12.6 FC
	min	46.6 FC	26.5 FC	19 FC	11.9 FC	6.3 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	99.7 FC	56.9 FC	38.5 FC	25.1 FC	15 FC
	min	50.9 FC	29.1 FC	21.1 FC	13 FC	6.7 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.2:1
15	avg	117.4 FC	67.4 FC	45.7 FC	30.1 FC	17.9 FC
	min	56 FC	32.3 FC	24.5 FC	14.7 FC	6.8 FC
		2.8:1	2.9:1	2.5:1	2.8:1	3.8:1
12	avg	129.9 FC	74.9 FC	50.9 FC	33.8 FC	20 FC
	min	60.5 FC	35.2 FC	27.6 FC	15.9 FC	6.5 FC
		2.8:1	2.8:1	2.4:1	2.8:1	4.6:1
10	avg	139.2 FC	80.4 FC	54.8 FC	36.5 FC	21.6 FC
	min	64.3 FC	37.9 FC	30.8 FC	16.5 FC	5.9 FC
		2.8:1	2.8:1	2.2:1	3:1	5.8:1
8	avg	149.6 FC	86.5 FC	59.2 FC	39.5 FC	23.2 FC
	min	70.1 FC	41.8 FC	36.1 FC	16.6 FC	5 FC
		2.7:1	2.6:1	2:1	3.5:1	8.1:1

FIXTURE: VANLED52FFR

7,322 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	93.3 FC	52.6 FC	35.5 FC	23.3 FC	13.8 FC
	min	50.6 FC	28.8 FC	20.5 FC	12.8 FC	6.9 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	109.1 FC	61.9 FC	41.8 FC	27.2 FC	16.3 FC
	min	55.1 FC	31.5 FC	22.8 FC	13.9 FC	7.2 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.3:1
15	avg	128.3 FC	73.3 FC	49.6 FC	32.7 FC	19.4 FC
	min	60.6 FC	35 FC	26.4 FC	15.5 FC	7.3 FC
		2.9:1	2.9:1	2.5:1	2.9:1	3.9:1
12	avg	141.8 FC	81.1 FC	55.2 FC	36.6 FC	21.7 FC
	min	65.1 FC	37.9 FC	29.8 FC	16.9 FC	6.9 FC
		2.9:1	2.9:1	2.4:1	2.9:1	4.7:1
10	avg	151.8 FC	87 FC	59.3 FC	39.5 FC	23.4 FC
	min	69.2 FC	40.8 FC	33.6 FC	17.5 FC	6.3 FC
		2.8:1	2.8:1	2.2:1	3.1:1	5.9:1
8	avg	162.7 FC	93.4 FC	64 FC	42.6 FC	25.1 FC
	min	75.3 FC	45.2 FC	39.3 FC	17.5 FC	5.3 FC
		2.7:1	2.6:1	2:1	3.6:1	8.3:1

FIXTURE: VANLED65

9,151 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	112.4 FC	63.6 FC	43.2 FC	28.3 FC	16.6 FC
	min	60.9 FC	34.8 FC	24.7 FC	15.2 FC	8.2 FC
		2.5:1	2.5:1	2.4:1	2.6:1	2.9:1
20	avg	132.1 FC	75.3 FC	50.9 FC	33.3 FC	19.8 FC
	min	66.4 FC	38.2 FC	27.5 FC	16.6 FC	8.6 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.4:1
15	avg	155.9 FC	89.5 FC	60.6 FC	40 FC	23.8 FC
	min	72.8 FC	42.2 FC	31.8 FC	18.3 FC	8.8 FC
		2.9:1	2.9:1	2.5:1	3:1	3.9:1
12	avg	172.7 FC	99.5 FC	67.6 FC	44.9 FC	26.5 FC
	min	78.2 FC	45.8 FC	35.7 FC	20 FC	8.4 FC
		2.9:1	2.9:1	2.4:1	3:1	4.7:1
10	avg	185.2 FC	106.9 FC	72.9 FC	48.6 FC	28.7 FC
	min	83.8 FC	49.2 FC	40.2 FC	21.2 FC	7.7 FC
		2.9:1	2.9:1	2.3:1	3.1:1	5.8:1
8	avg	198.9 FC	115 FC	78.8 FC	52.5 FC	30.9 FC
	min	91.5 FC	55 FC	46.8 FC	21.8 FC	6.2 FC
		2.8:1	2.7:1	2:1	3.5:1	8.6:1

FIXTURE: VANLED65F

9,326 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	118.2 FC	66.5 FC	44.9 FC	29.4 FC	17.4 FC
	min	65.1 FC	36.7 FC	25.6 FC	15.7 FC	8.8 FC
		2.5:1	2.5:1	2.4:1	2.6:1	2.8:1
20	avg	138.9 FC	78.8 FC	53.2 FC	34.5 FC	20.8 FC
	min	70.7 FC	40.1 FC	28.4 FC	17 FC	9.2 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	163.9 FC	93.6 FC	63.4 FC	41.7 FC	24.8 FC
	min	77.4 FC	44.3 FC	32.3 FC	18.7 FC	9.3 FC
		2.9:1	2.9:1	2.6:1	3.1:1	3.9:1
12	avg	181.4 FC	103.7 FC	70.5 FC	46.7 FC	27.7 FC
	min	82.9 FC	47.5 FC	36.2 FC	19.9 FC	9 FC
		2.9:1	2.9:1	2.5:1	3.2:1	4.6:1
10	avg	194.1 FC	111.1 FC	75.8 FC	50.4 FC	29.9 FC
	min	88.3 FC	50.8 FC	40.2 FC	20.6 FC	8.3 FC
		2.9:1	2.9:1	2.4:1	3.3:1	5.6:1
8	avg	208.1 FC	119.3 FC	81.8 FC	54.5 FC	32.2 FC
	min	96.3 FC	55.8 FC	46.4 FC	20.8 FC	6.9 FC
		2.8:1	2.7:1	2.1:1	3.8:1	7.9:1

FIXTURE: VANLED65FR

8,024 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	97.4 FC	55.2 FC	37.5 FC	24.6 FC	14.4 FC
	min	52.8 FC	30.2 FC	21.5 FC	13.2 FC	7 FC
		2.5:1	2.5:1	2.3:1	2.6:1	2.9:1
20	avg	114.1 FC	65.1 FC	44.1 FC	28.9 FC	17.1 FC
	min	57.8 FC	33.2 FC	24.1 FC	14.4 FC	7.4 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	134.6 FC	77.3 FC	52.4 FC	34.6 FC	20.5 FC
	min	63.8 FC	37 FC	27.9 FC	16.1 FC	7.6 FC
		2.8:1	2.9:1	2.5:1	2.9:1	3.9:1
12	avg	149.1 FC	86 FC	58.4 FC	38.9 FC	22.9 FC
	min	68.8 FC	40.3 FC	31.5 FC	17.5 FC	7.2 FC
		2.9:1	2.9:1	2.4:1	3:1	4.8:1
10	avg	159.9 FC	92.4 FC	63 FC	42 FC	24.8 FC
	min	73.8 FC	43.6 FC	35 FC	18.2 FC	6.6 FC
		2.8:1	2.8:1	2.2:1	3.2:1	6:1
8	avg	172 FC	99.5 FC	68.1 FC	45.4 FC	26.7 FC
	min	81.1 FC	48.5 FC	40.4 FC	18.2 FC	5.5 FC
		2.7:1	2.6:1	2:1	3.7:1	8.6:1

FIXTURE: VANLED65FFR

8,504 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	107.2 FC	60.4 FC	40.8 FC	26.7 FC	15.8 FC
	min	57.9 FC	33 FC	23.4 FC	14.4 FC	7.7 FC
		2.5:1	2.5:1	2.3:1	2.6:1	2.9:1
20	avg	125.5 FC	71.2 FC	48.1 FC	31.2 FC	18.8 FC
	min	63.2 FC	36.3 FC	26.3 FC	15.6 FC	8.1 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.4:1
15	avg	147.8 FC	84.4 FC	57.2 FC	37.6 FC	22.4 FC
	min	69.7 FC	40.3 FC	30.2 FC	17.4 FC	8.2 FC
		2.9:1	2.9:1	2.5:1	3:1	4:1
12	avg	163.6 FC	93.6 FC	63.6 FC	42.2 FC	25 FC
	min	75 FC	43.9 FC	34 FC	18.6 FC	7.9 FC
		2.9:1	2.8:1	2.4:1	3:1	4.8:1
10	avg	175.2 FC	100.4 FC	68.5 FC	45.5 FC	27 FC
	min	80.2 FC	47.4 FC	37.9 FC	19.2 FC	7.2 FC
		2.8:1	2.8:1	2.3:1	3.3:1	6:1
8	avg	188.1 FC	107.9 FC	74 FC	49.2 FC	29 FC
	min	87.8 FC	52.5 FC	43.8 FC	19.1 FC	6 FC
		2.7:1	2.6:1	2:1	3.8:1	8.5:1

FIXTURE: VANLED75

10,270 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	125.9 FC	71.2 FC	48.3 FC	31.7 FC	18.6 FC
	min	70 FC	39.9 FC	28.1 FC	17.4 FC	9.4 FC
		2.4:1	2.4:1	2.3:1	2.5:1	2.8:1
20	avg	148 FC	84.3 FC	57 FC	37.3 FC	22.2 FC
	min	76.4 FC	43.8 FC	31.1 FC	19 FC	10 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.2:1
15	avg	174.8 FC	100.3 FC	67.9 FC	44.8 FC	26.6 FC
	min	83.9 FC	48.5 FC	35.5 FC	20.8 FC	10.2 FC
		2.8:1	2.8:1	2.5:1	3:1	3.8:1
12	avg	193.7 FC	111.6 FC	75.8 FC	50.3 FC	29.7 FC
	min	90.4 FC	52.7 FC	39.7 FC	22.5 FC	9.8 FC
		2.8:1	2.8:1	2.5:1	3:1	4.5:1
10	avg	207.7 FC	119.8 FC	81.7 FC	54.4 FC	32.2 FC
	min	96.5 FC	56 FC	44.1 FC	23.3 FC	9 FC
		2.8:1	2.8:1	2.3:1	3.1:1	5.6:1
8	avg	223.2 FC	129 FC	88.3 FC	58.9 FC	34.7 FC
	min	105.2 FC	61.6 FC	51.3 FC	23.7 FC	7.5 FC
		2.7:1	2.7:1	2.1:1	3.6:1	7.9:1

FIXTURE: VANLED75F

10,493 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	132.5 FC	74.6 FC	50.4 FC	33 FC	19.6 FC
	min	72.2 FC	41.1 FC	29 FC	17.9 FC	9.7 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	155.8 FC	88.4 FC	59.7 FC	38.8 FC	23.3 FC
	min	78.4 FC	44.9 FC	32.5 FC	19.3 FC	10.2 FC
		2.7:1	2.7:1	2.5:1	2.8:1	3.3:1
15	avg	183.9 FC	105 FC	71.1 FC	46.8 FC	27.8 FC
	min	85.6 FC	49.6 FC	37.2 FC	21.5 FC	10.3 FC
		2.9:1	2.9:1	2.5:1	3:1	4:1
12	avg	203.6 FC	116.4 FC	79.1 FC	52.5 FC	31.1 FC
	min	91.9 FC	53.6 FC	41.9 FC	23.3 FC	10 FC
		3:1	2.9:1	2.4:1	3:1	4.7:1
10	avg	218 FC	124.8 FC	85.2 FC	56.6 FC	33.6 FC
	min	97.9 FC	57.6 FC	46.5 FC	24.2 FC	9.2 FC
		2.9:1	2.8:1	2.3:1	3.2:1	5.7:1
8	avg	233.8 FC	134 FC	91.9 FC	61.2 FC	36.2 FC
	min	106.8 FC	64.4 FC	53.8 FC	24.5 FC	7.6 FC
		2.8:1	2.6:1	2.1:1	3.6:1	8.1:1

FIXTURE: VANLED75FR

9,004 Lumens

Height (ft)		Spacing (ft)				
		6x6	8x8	10x10	12x12	15x15
25	avg	110.5 FC	62.6 FC	42.6 FC	27.8 FC	16.4 FC
	min	61.1 FC	34.8 FC	24.9 FC	15.3 FC	8.2 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.8:1
20	avg	129.3 FC	73.7 FC	49.9 FC	32.6 FC	19.4 FC
	min	66.8 FC	38.2 FC	27.7 FC	16.7 FC	8.7 FC
		2.6:1	2.7:1	2.4:1	2.7:1	3.2:1
15	avg	152.2 FC	87.4 FC	59.2 FC	39 FC	23.2 FC
	min	73.4 FC	42.4 FC	32.1 FC	18.7 FC	8.8 FC
		2.8:1	2.8:1	2.4:1	2.8:1	3.8:1
12	avg	168.5 FC	97.1 FC	66 FC	43.8 FC	25.9 FC
	min	79.3 FC	46.1 FC	36.1 FC	20.3 FC	8.5 FC
		2.8:1	2.8:1	2.3:1	2.9:1	4.5:1
10	avg	180.5 FC	104.3 FC	71.1 FC	47.3 FC	28 FC
	min	84.3 FC	49.7 FC	40.3 FC	21.1 FC	7.8 FC
		2.8:1	2.7:1	2.2:1	3.1:1	5.7:1
8	avg	194 FC	112.2 FC	76.8 FC	51.1 FC	30.1 FC
	min	91.9 FC	54.8 FC	46.9 FC	21.2 FC	6.5 FC
		2.7:1	2.6:1	2:1	3.6:1	8.1:1

FIXTURE: VANLED75FFR

9,519 Lumens

		Spacing (ft)				
Height (ft)		6x6	8x8	10x10	12x12	15x15
25	avg	121.1 FC	68.3 FC	46.1 FC	30.2 FC	17.9 FC
	min	65.5 FC	37.2 FC	26.5 FC	16.7 FC	8.9 FC
		2.5:1	2.5:1	2.3:1	2.5:1	2.9:1
20	avg	141.6 FC	80.4 FC	54.3 FC	35.3 FC	21.2 FC
	min	71.3 FC	40.7 FC	29.5 FC	18.1 FC	9.4 FC
		2.7:1	2.7:1	2.5:1	2.7:1	3.3:1
15	avg	166.6 FC	95.2 FC	64.5 FC	42.5 FC	25.2 FC
	min	78.4 FC	45.2 FC	34.2 FC	20.3 FC	9.5 FC
		2.9:1	2.9:1	2.5:1	2.9:1	3.9:1
12	avg	184.1 FC	105.4 FC	71.7 FC	47.6 FC	28.2 FC
	min	84.2 FC	49 FC	38.6 FC	22.1 FC	9 FC
		2.9:1	2.9:1	2.4:1	2.9:1	4.7:1
10	avg	197.1 FC	113 FC	77.1 FC	51.3 FC	30.4 FC
	min	89.5 FC	52.7 FC	43.4 FC	22.8 FC	8.2 FC
		2.9:1	2.8:1	2.2:1	3.1:1	5.9:1
8	avg	211.3 FC	121.3 FC	83.2 FC	55.4 FC	32.6 FC
	min	97.4 FC	58.4 FC	50.9 FC	22.9 FC	6.8 FC
		2.8:1	2.6:1	2:1	3.6:1	8.4:1