

Spectrum Test Report

Sample : BR30-10-940-DIM
Specification :
Sample No. :
Manufacturer : RAB Lighting Inc
Remark :
Device SN :

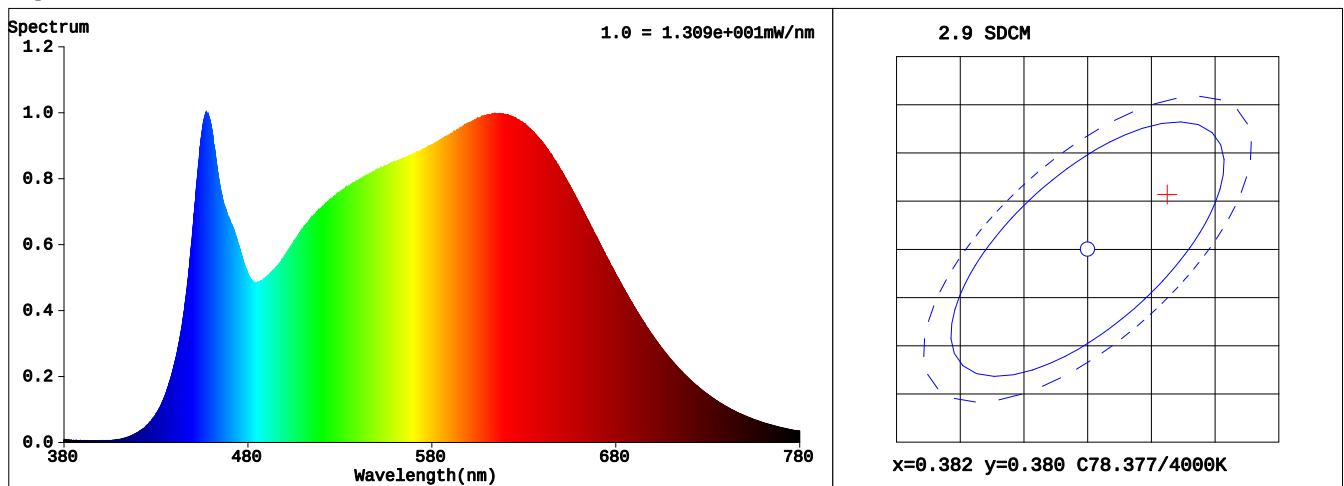
Date : 2020-02-27 15:23:58
Sam. Status :
Standard : LM-79-08
Instrument : HaasSuite(EVERFINE)
Test by :

Test Condition

Temperature : 23.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 52735 (80%)
T : 285 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3880$ $y = 0.3853$ / $u' = 0.2267$ $v' = 0.5064$ ($duv=1.80e-03$)

CCT= 3865K Prcp WL: Ld=578.7nm Purity=32.1%

Peak WL: Lp=457nm FWHM: =191.4nm Ratio:R=20.3% G=75.2% B=4.5%

Render Index: Ra = 93.7

EEL: 0.13960 A+

R1 =95 R2 =99 R3 =99 R4 =91 R5 =93 R6 =96 R7 =92
R8 =86 R9 =70 R10=95 R11=92 R12=73 R13=96 R14=100 R15=92
LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

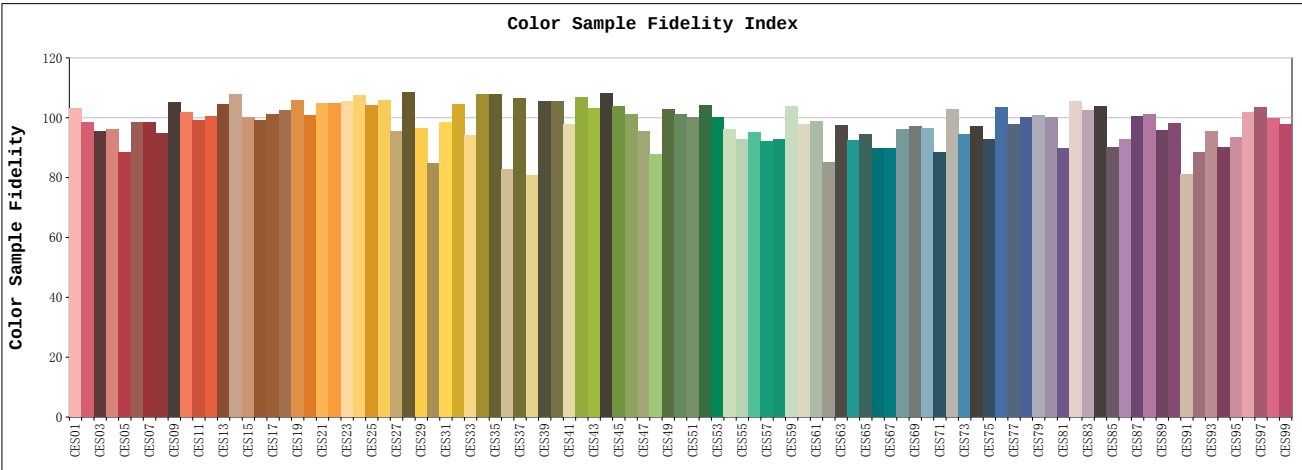
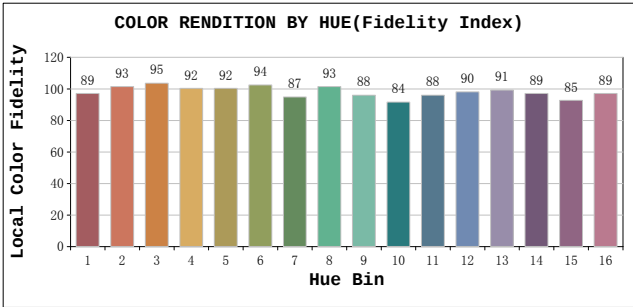
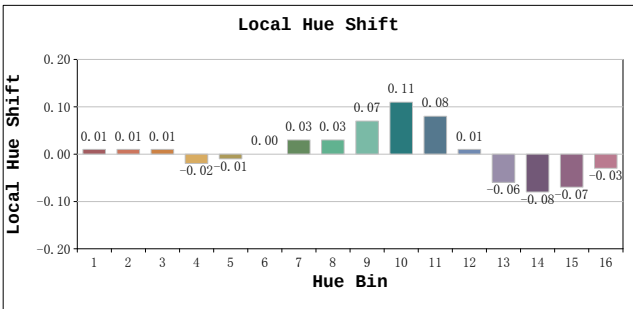
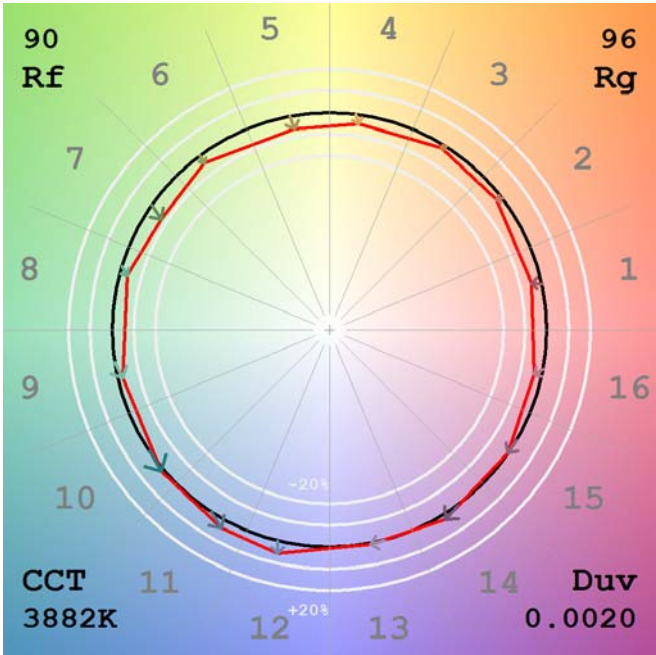
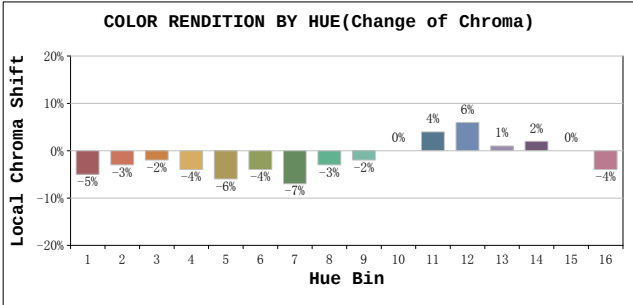
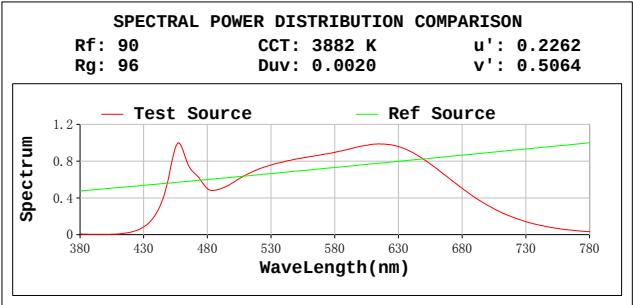
Flux = 788.15 lm Eff. : 89.16 lm/W Fe = 2.7057 W

Flux of emitted photons($\mu\text{mol/s}$):13.058 Fluo. and blue light ratio:5.588 Fluorescent eff.:247.6

Electrical parameters

V = 119.93 V I = 0.07730 A P = 8.840 W PF = 0.9536

TM30

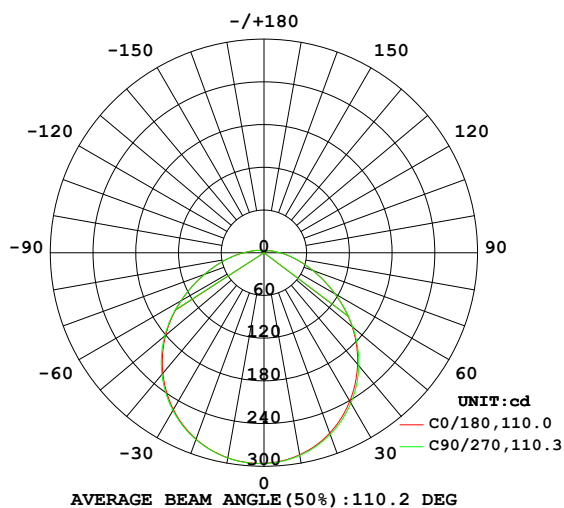


LUMINAIRE PHOTOMETRIC TEST REPORT

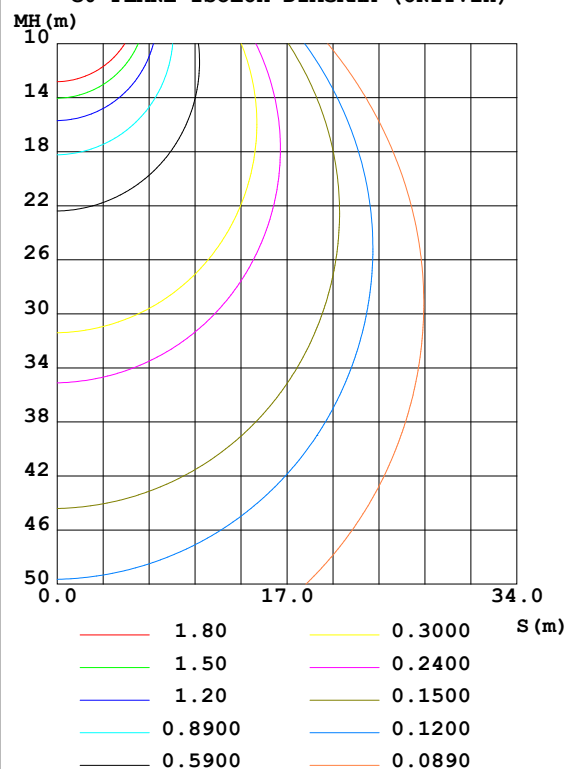
NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.63 lm/W			
MODEL	BR30	Imax (cd)	297.0	S/MH (C0/180)	1.28
NOMINAL POWER (W)	9	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	914.03	η UP, DN (C0-180)	2.5, 45.5
NOMINAL FLUX (lm)	914.032	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.9, 49.1
LAMPS INSIDE	1	η up (%)	5.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

ZONAL FLUX DIAGRAM

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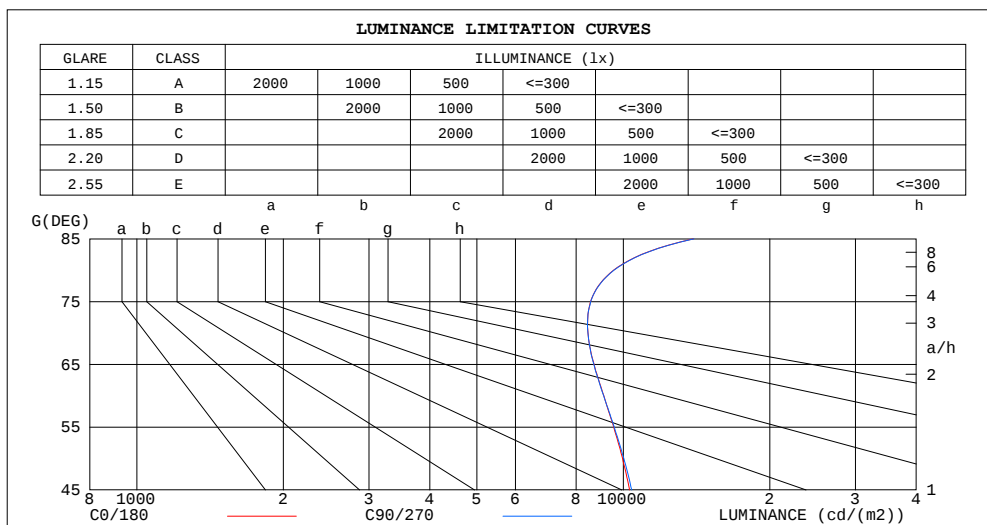
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	293.3	293.2	293.9	295.5	295.4	296.0	295.8	295.4	0- 5	7.067	7.067	0.77,0.77
10	288.1	287.9	289.0	291.6	292.4	293.5	292.8	291.3	5- 10	20.96	28.02	3.07,3.07
15	280.3	279.7	281.6	285.1	286.9	288.4	287.3	284.5	10- 15	34.12	62.14	6.8,6.8
20	269.7	269.1	271.6	275.8	278.7	280.6	279.3	275.1	15- 20	46.10	108.2	11.8,11.8
25	256.4	255.9	259.1	264.1	267.9	270.3	268.9	263.0	20- 25	56.46	164.7	18,18
30	241.0	240.4	244.0	249.8	254.5	257.4	255.9	248.4	25- 30	64.83	229.5	25.1,25.1
35	223.5	222.8	226.6	233.2	238.7	242.1	240.6	231.7	30- 35	70.89	300.4	32.9,32.9
40	204.5	203.3	207.2	214.5	221.0	224.8	223.1	213.3	35- 40	74.49	374.9	41,41
45	183.9	182.0	185.8	193.9	201.5	205.7	203.6	193.4	40- 45	75.51	450.4	49.3,49.3
50	161.8	159.0	162.8	171.7	180.4	184.9	182.2	171.9	45- 50	73.88	524.3	57.4,57.4
55	138.4	135.1	138.8	148.1	157.7	162.6	159.0	148.9	50- 55	69.67	594.0	65,65
60	115.1	111.6	115.1	124.3	134.1	138.9	134.7	125.3	55- 60	63.17	657.1	71.9,71.9
65	92.91	89.72	92.85	101.5	110.9	115.4	111.0	102.4	60- 65	55.99	712.2	77.9,77.9
70	73.05	70.36	73.07	80.73	89.20	93.05	88.93	81.24	65- 70	46.30	758.5	83,83
75	55.99	53.85	56.04	62.61	69.95	73.22	69.58	62.95	70- 75	37.57	796.1	87.1,87.1
80	41.88	40.21	41.94	47.31	53.40	56.15	53.04	47.46	75- 80	29.49	825.6	90.3,90.3
85	30.67	29.48	30.75	34.92	39.74	41.90	39.43	34.95	80- 85	22.39	848.0	92.8,92.8
90	22.37	21.59	22.42	25.51	29.00	30.64	28.77	25.41	85- 90	16.56	864.5	94.6,94.6
95	16.74	16.29	16.79	18.76	21.16	22.30	21.00	18.73	90- 95	12.12	876.7	95.9,95.9
100	13.13	12.88	13.18	14.44	15.95	16.70	15.83	14.41	95-100	9.029	885.7	96.9,96.9
105	10.54	10.35	10.61	11.56	12.60	13.10	12.50	11.51	100-105	6.961	892.6	97.7,97.7
110	8.486	8.337	8.569	9.328	10.13	10.51	10.04	9.226	105-110	5.451	898.1	98.3,98.3
115	6.821	6.694	6.910	7.530	8.163	8.458	8.071	7.389	110-115	4.250	902.3	98.7,98.7
120	5.450	5.337	5.551	6.062	6.560	6.801	6.479	5.899	115-120	3.279	905.6	99.1,99.1
125	4.310	4.204	4.419	4.846	5.247	5.446	5.144	4.651	120-125	2.491	908.1	99.4,99.4
130	3.364	3.269	3.491	3.853	4.164	4.309	4.080	3.634	125-130	1.855	910.0	99.6,99.6
135	2.571	2.495	2.728	3.033	3.289	3.395	3.199	2.798	130-135	1.352	911.3	99.7,99.7
140	1.932	1.876	2.113	2.366	2.575	2.648	2.478	2.116	135-140	0.9597	912.3	99.8,99.8
145	1.412	1.379	1.625	1.834	1.998	2.047	1.903	1.565	140-145	0.6621	912.9	99.9,99.9
150	0.9962	0.9816	1.238	1.410	1.537	1.563	1.446	1.130	145-150	0.4412	913.4	99.9,99.9
155	0.6751	0.6794	0.9478	1.083	1.181	1.186	1.096	0.8174	150-155	0.2830	913.7	100,100
160	0.4424	0.4816	0.7445	0.8436	0.9189	0.8965	0.8378	0.6094	155-160	0.1754	913.8	100,100
165	0.2946	0.3635	0.5909	0.6793	0.7342	0.7029	0.6451	0.4687	160-165	0.1056	913.9	100,100
170	0.1917	0.2482	0.4241	0.5658	0.5977	0.5748	0.4967	0.3537	165-170	0.0595	914.0	100,100
175	0.0565	0.0393	0.1160	0.2755	0.4239	0.3781	0.2300	0.0842	170-175	0.0247	914.0	100,100
180	0.0004	0.0003	0.0008	0.0008	0.0001	0.0007	0.0006	0.0008	175-180	0.0020	914.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:
 Test Date:2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.900m [K=0.6239]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	13929	13966
80	9548	9561
75	8564	8571
70	8456	8458
65	8703	8698
60	9115	9110
55	9553	9581
50	9963	10026
45	10297	10404

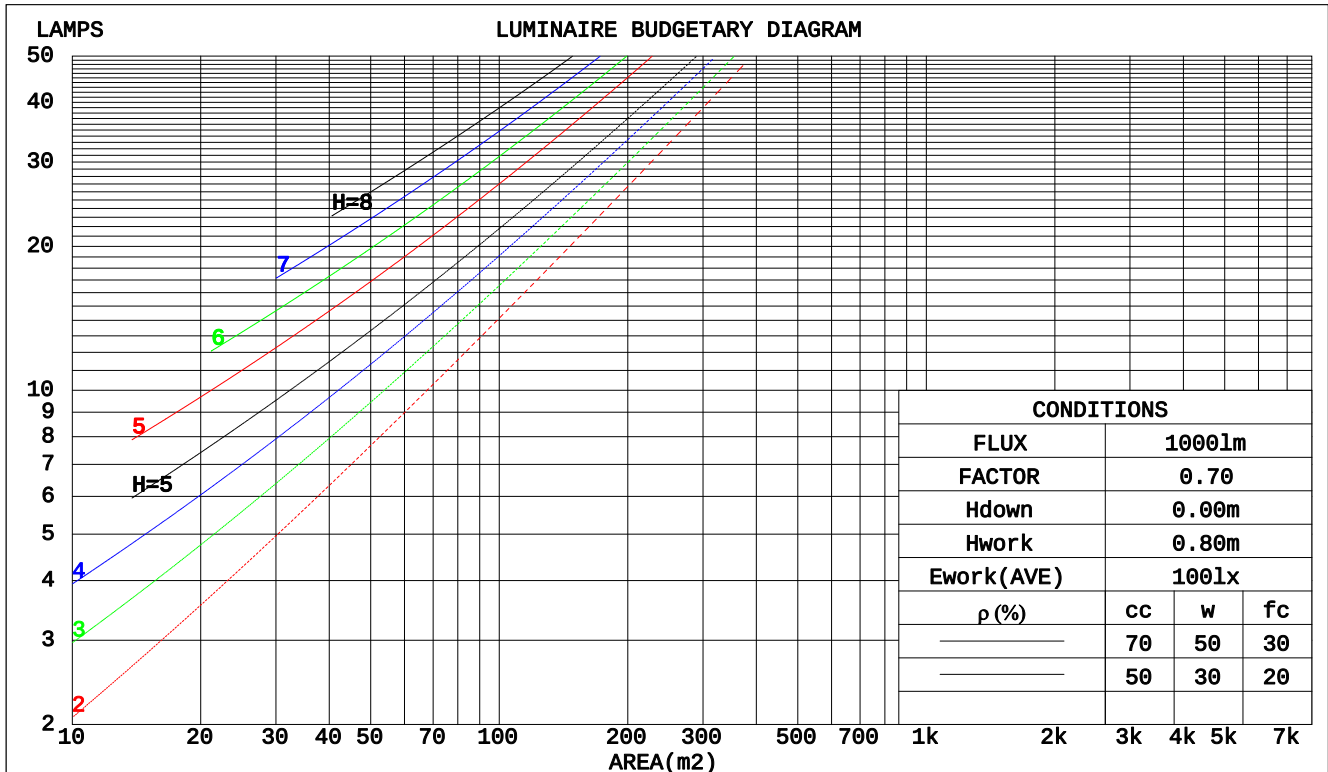
C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

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γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.01	.97	.92	.98	.94	.90	.93	.90	.87	.88	.86	.83	.84	.82	.80	.77
2.0	.88	.81	.75	.86	.79	.74	.81	.76	.71	.77	.73	.69	.73	.70	.66	.64
3.0	.77	.69	.62	.75	.67	.61	.71	.65	.59	.68	.62	.58	.65	.60	.56	.53
4.0	.68	.59	.52	.67	.58	.52	.63	.56	.51	.60	.54	.49	.58	.52	.48	.46
5.0	.61	.52	.45	.60	.51	.45	.57	.49	.44	.54	.48	.43	.52	.46	.42	.39
6.0	.55	.46	.39	.54	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.37	.34
7.0	.50	.41	.35	.49	.40	.34	.47	.39	.34	.45	.38	.33	.43	.37	.33	.30
8.0	.45	.37	.31	.44	.36	.31	.43	.35	.30	.41	.34	.30	.39	.34	.29	.27
9.0	.42	.33	.28	.41	.33	.28	.39	.32	.27	.38	.31	.27	.36	.31	.26	.24
10.0	.38	.30	.25	.38	.30	.25	.36	.29	.25	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

WEC AND CCEC

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.334	.190	.060	.326	.186	.059	.309	.177	.057	.294	.170	.054	.280	.162	.052		
2.0	.303	.166	.051	.295	.163	.050	.280	.156	.048	.267	.150	.047	.254	.144	.045		
3.0	.276	.147	.044	.269	.144	.043	.256	.139	.042	.244	.134	.041	.232	.129	.040		
4.0	.252	.131	.039	.246	.129	.038	.234	.124	.037	.224	.120	.036	.213	.116	.035		
5.0	.232	.118	.034	.227	.116	.034	.216	.112	.033	.206	.109	.032	.197	.105	.032		
6.0	.214	.108	.031	.209	.106	.030	.200	.103	.030	.191	.099	.029	.183	.096	.029		
7.0	.199	.098	.028	.195	.097	.028	.186	.094	.027	.178	.091	.027	.171	.089	.026		
8.0	.186	.091	.026	.182	.089	.025	.174	.087	.025	.167	.084	.024	.160	.082	.024		
9.0	.174	.084	.023	.170	.083	.023	.163	.081	.023	.156	.078	.022	.150	.076	.022		
10.0	.163	.078	.022	.160	.077	.022	.153	.075	.021	.147	.073	.021	.142	.071	.020		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025	
1.0	.224	.198	.174	.191	.170	.150	.131	.117	.104	.075	.067	.060	.024	.022	.019	
2.0	.216	.174	.139	.185	.150	.120	.127	.103	.084	.073	.060	.049	.023	.019	.016	
3.0	.208	.156	.116	.178	.135	.100	.122	.094	.070	.071	.055	.041	.023	.018	.014	
4.0	.200	.143	.100	.172	.124	.087	.118	.086	.061	.068	.051	.036	.022	.016	.012	
5.0	.192	.133	.089	.165	.115	.078	.114	.080	.055	.066	.047	.033	.021	.015	.011	
6.0	.185	.125	.082	.159	.108	.071	.110	.076	.050	.064	.045	.030	.021	.015	.010	
7.0	.178	.118	.076	.153	.102	.066	.106	.072	.047	.062	.042	.028	.020	.014	.009	
8.0	.172	.112	.071	.148	.097	.062	.102	.068	.044	.059	.040	.026	.019	.013	.009	
9.0	.166	.107	.068	.143	.093	.059	.099	.066	.042	.058	.039	.025	.019	.013	.008	
10.0	.160	.103	.065	.138	.090	.057	.096	.063	.041	.056	.037	.024	.018	.012	.008	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
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γ Range: 0 - 180DEG
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Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

UGR(Unified Glare Rating) Table

NAME.: BR30-10-940-DIM						TYPE.: /			WEIGHT.: /		
SPEC.: /						DIM.: /			SERIAL No.: /		
MFR.: RAB Lighting Inc						SUR.:			Shielding Angle.: /		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		20.2	21.7	20.6	22.0	22.3	20.2	21.7	20.6	22.0	22.3
3H		21.7	23.0	22.1	23.4	23.7	21.7	23.0	22.1	23.4	23.7
4H		22.4	23.7	22.8	24.0	24.4	22.4	23.7	22.8	24.0	24.4
6H		23.1	24.3	23.5	24.6	25.0	23.1	24.3	23.5	24.6	25.0
8H		23.4	24.6	23.8	25.0	25.4	23.4	24.6	23.8	25.0	25.4
12H		23.8	24.9	24.2	25.3	25.7	23.8	24.9	24.2	25.3	25.7
4H 2H		20.7	22.0	21.1	22.4	22.7	20.7	22.0	21.1	22.4	22.8
3H		22.4	23.5	22.8	23.9	24.4	22.4	23.5	22.9	23.9	24.4
4H		23.3	24.3	23.7	24.7	25.2	23.3	24.3	23.7	24.7	25.2
6H		24.1	25.0	24.6	25.5	26.0	24.1	25.0	24.6	25.5	26.0
8H		24.6	25.4	25.0	25.9	26.4	24.6	25.4	25.1	25.9	26.4
12H		25.1	25.8	25.6	26.3	26.8	25.1	25.9	25.6	26.3	26.9
8H 4H		23.6	24.4	24.1	24.9	25.4	23.6	24.4	24.1	24.9	25.4
6H		24.6	25.4	25.2	25.9	26.4	24.6	25.4	25.2	25.9	26.4
8H		25.2	25.9	25.8	26.4	27.0	25.2	25.9	25.8	26.4	27.0
12H		25.9	26.5	26.5	27.0	27.6	25.9	26.5	26.5	27.0	27.6
12H 4H		23.6	24.4	24.1	24.9	25.4	23.6	24.4	24.1	24.9	25.4
6H		24.8	25.4	25.3	25.9	26.5	24.8	25.4	25.3	25.9	26.5
8H		25.4	26.0	26.0	26.5	27.1	25.4	26.0	26.0	26.5	27.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				

CIE Pub.117, 914.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

UTILIZATION FACTORS TABLE

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

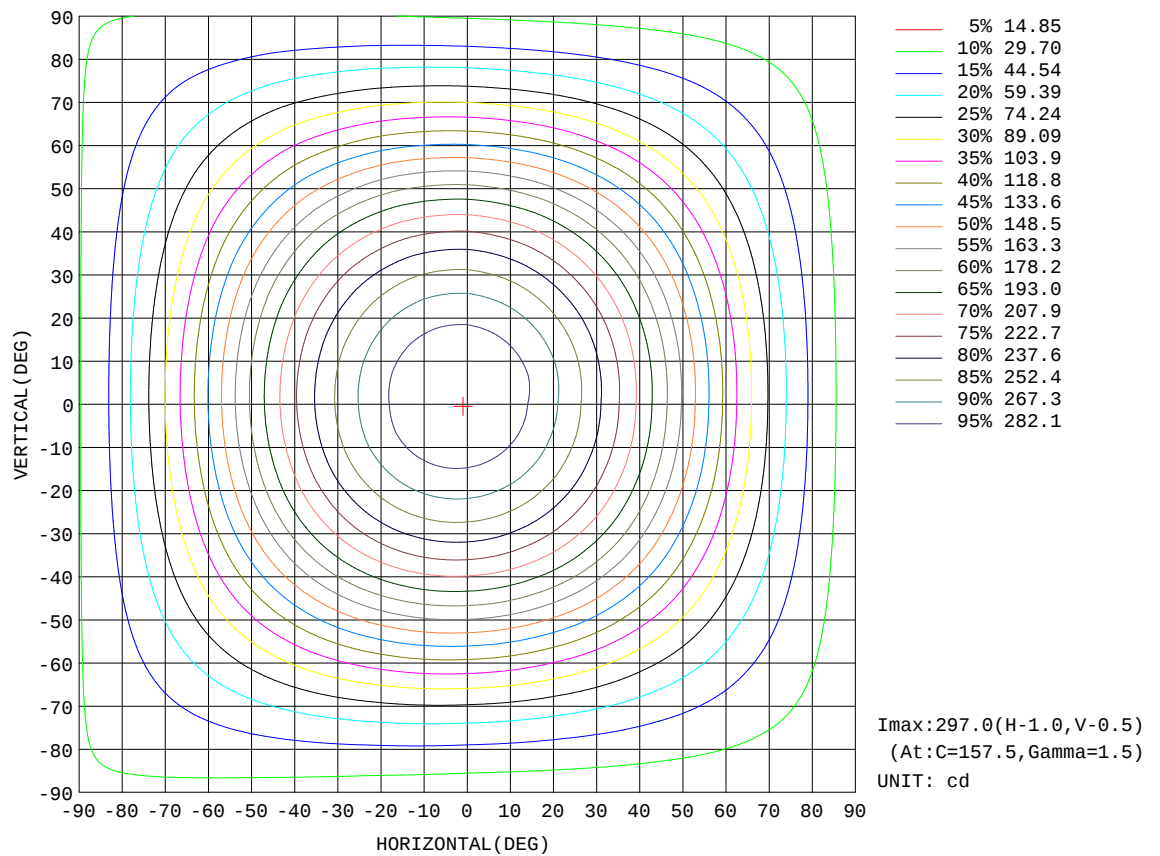
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	36	54	43	36	53	43	36	30
0.80	65	53	45	64	53	45	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	74	67	83	73	66	80	71	65	57
2.00	92	83	76	90	81	75	86	78	73	64
2.50	96	87	81	93	86	80	89	82	77	68
3.00	99	92	85	97	90	84	92	86	81	72
4.00	103	97	92	101	95	90	95	91	87	76
5.00	106	100	96	103	98	94	98	94	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

ISOCANDELA DIAGRAM

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

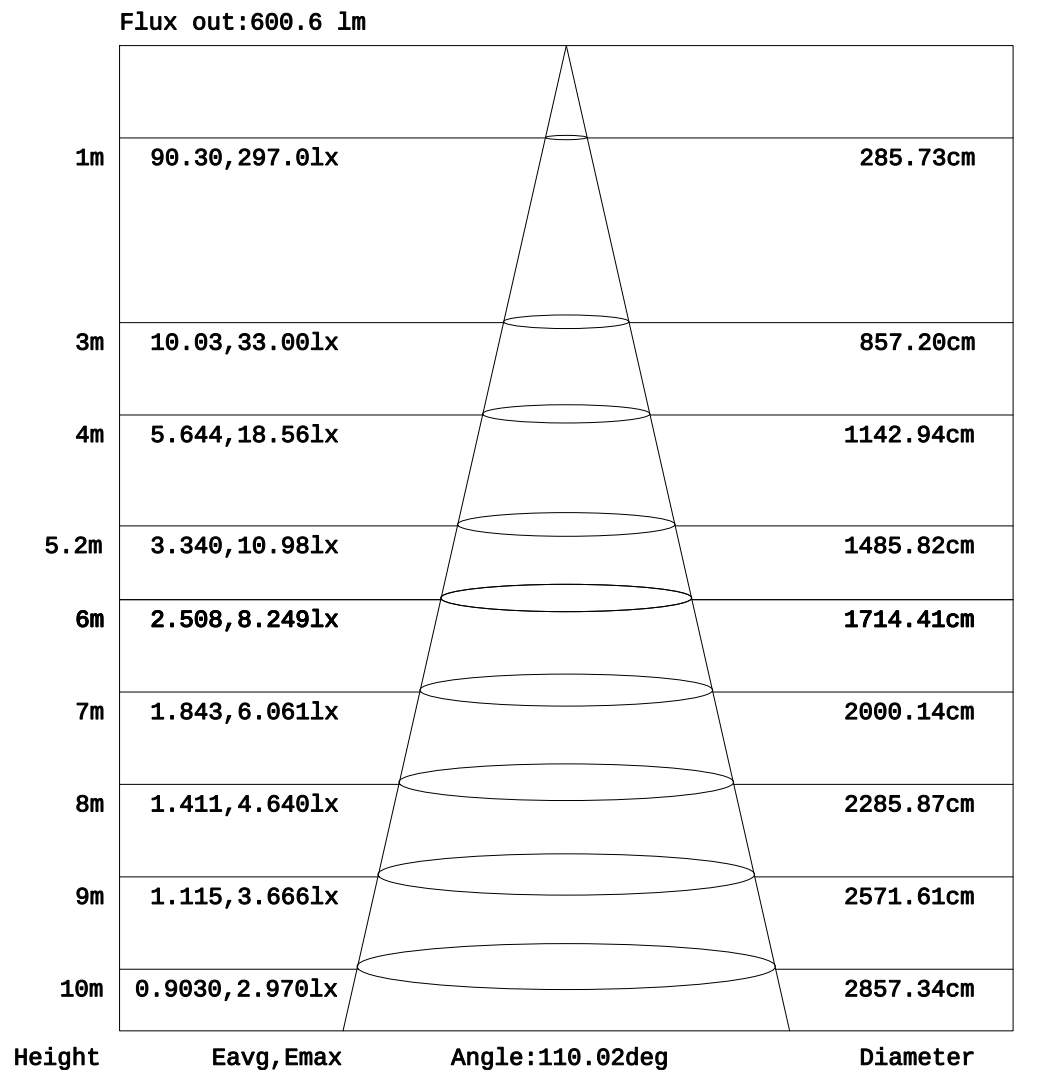


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

AAI Figure

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



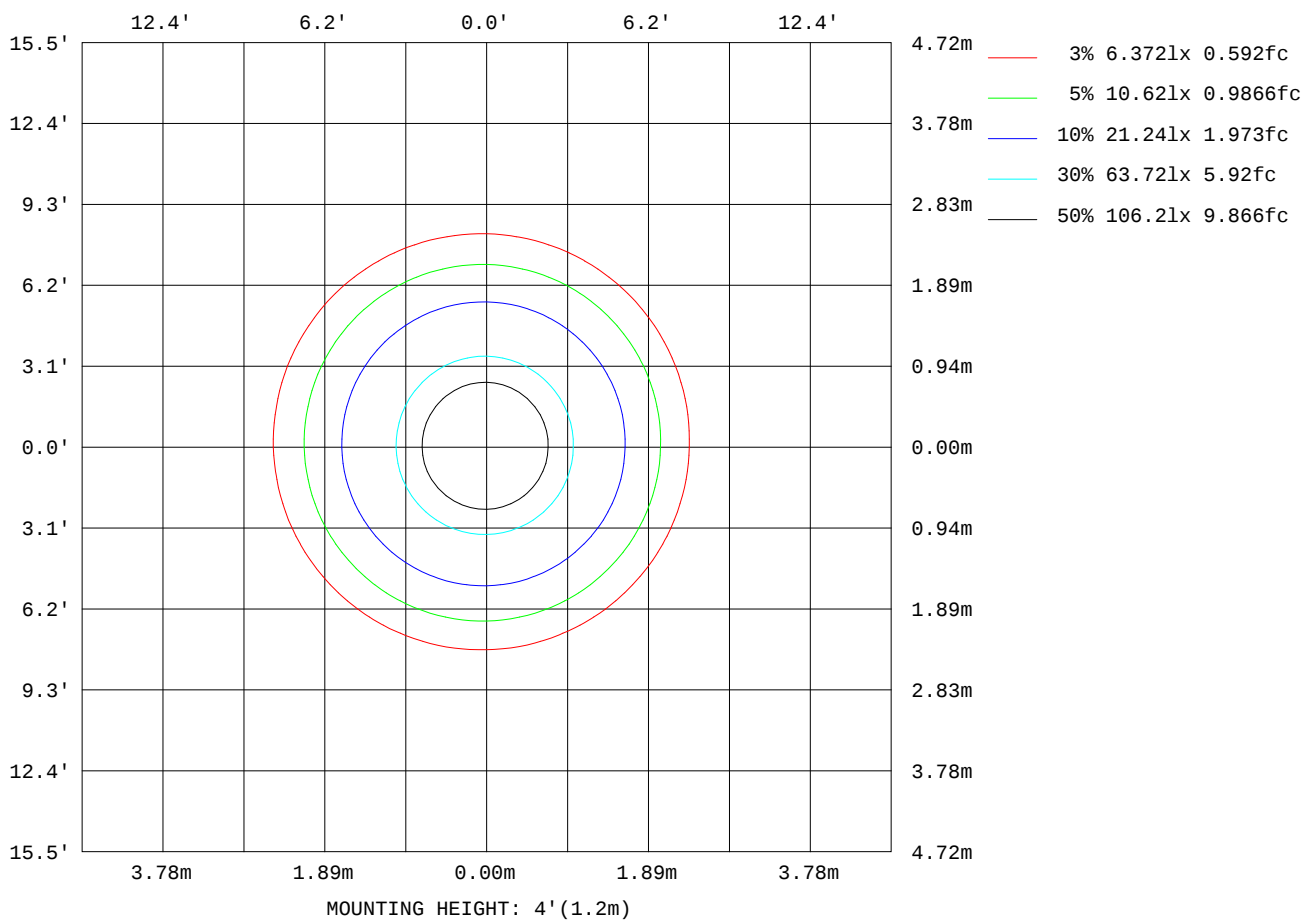
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

ISOLUX DIAGRAM

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

LED Avg.L Report

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

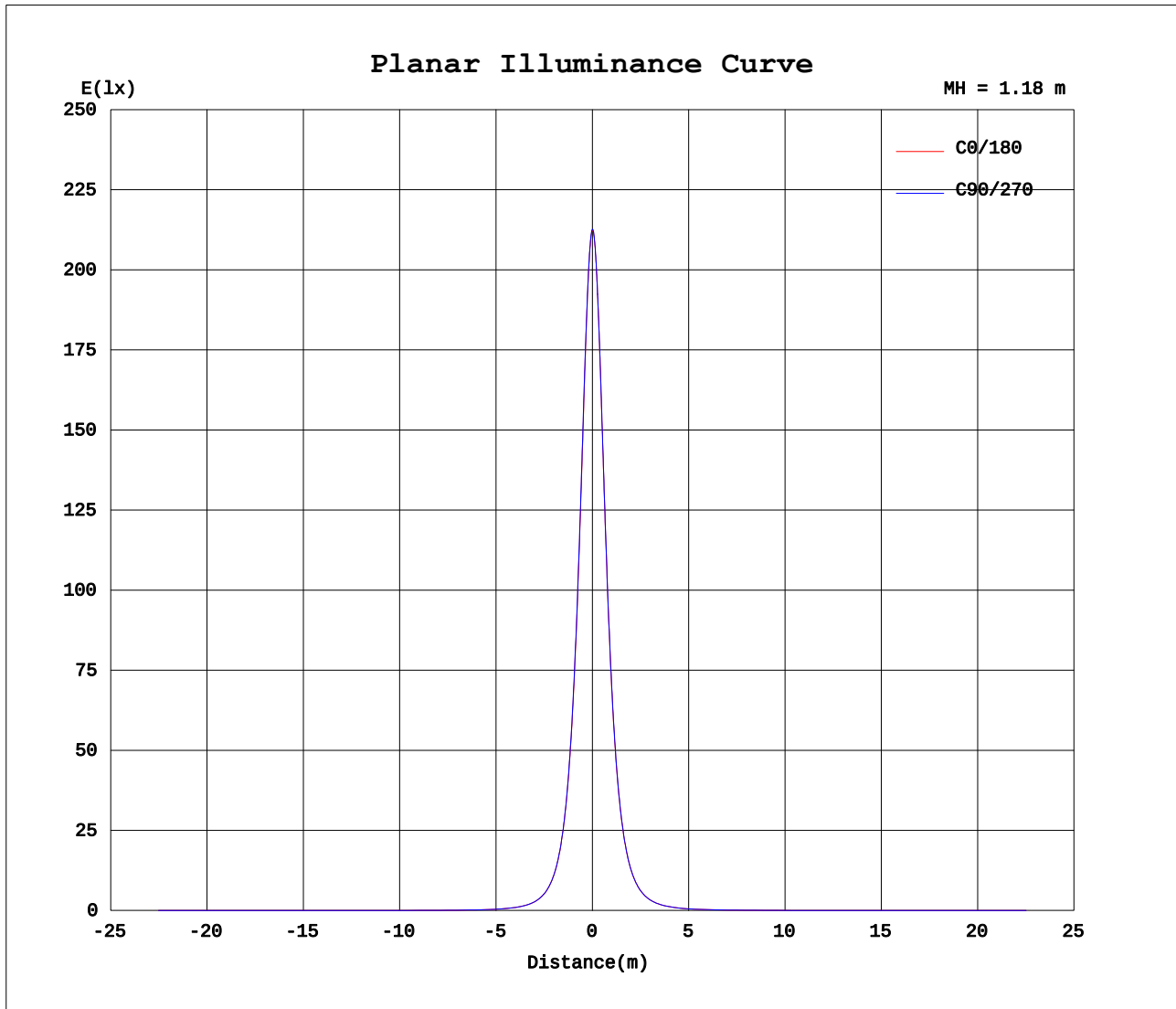
AvgL	cd/m2
L_0~180 (65) av	9547
L_0~180 (75) av	9632
L_0~180 (85) av	15989
L_90~270 (65) av	9548
L_90~270 (75) av	9607
L_90~270 (85) av	15937
L_45 (65) av	9577
L_45 (75) av	9660
L_45 (85) av	16039

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: BR30-10-940-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	296	296	296	296	296	297	297	297	296	296	296	296	296	297	297	297			
5	293	293	293	293	294	295	296	296	295	296	296	296	296	296	295	295			
10	288	288	288	288	289	290	292	293	292	293	293	293	293	292	291	290			
15	280	280	280	280	282	283	285	287	287	288	288	288	287	286	284	283			
20	270	269	269	270	272	274	276	278	279	280	281	280	279	277	275	273			
25	256	256	256	257	259	261	264	267	268	269	270	270	269	266	263	260			
30	241	240	240	242	244	247	250	253	254	256	257	257	256	252	248	245			
35	223	223	223	224	227	230	233	236	239	241	242	242	241	237	232	228			
40	204	203	203	205	207	211	215	218	221	223	225	225	223	219	213	209			
45	184	182	182	183	186	190	194	198	201	204	206	206	204	199	193	189			
50	162	160	159	160	163	167	172	176	180	183	185	185	182	178	172	167			
55	138	136	135	136	139	143	148	153	158	161	163	162	159	155	149	144			
60	115	112	112	113	115	119	124	130	134	137	139	138	135	131	125	120			
65	92.9	90.6	89.7	90.6	92.9	96.7	102	107	111	114	115	114	111	107	102	97.5			
70	73.1	71.0	70.4	71.1	73.1	76.4	80.7	85.3	89.2	92.0	93.1	91.9	88.9	85.6	81.2	76.9			
75	56.0	54.3	53.8	54.5	56.0	58.9	62.6	66.5	70.0	72.3	73.2	72.1	69.6	66.6	62.9	59.4			
80	41.9	40.6	40.2	40.7	41.9	44.2	47.3	50.5	53.4	55.4	56.1	55.2	53.0	50.5	47.5	44.5			
85	30.7	29.7	29.5	29.9	30.7	32.5	34.9	37.5	39.7	41.3	41.9	41.1	39.4	37.3	34.9	32.6			
90	22.4	21.7	21.6	21.8	22.4	23.7	25.5	27.3	29.0	30.2	30.6	30.0	28.8	27.2	25.4	23.7			
95	16.7	16.3	16.3	16.4	16.8	17.6	18.8	20.0	21.2	22.0	22.3	21.9	21.0	19.9	18.7	17.6			
100	13.1	12.9	12.9	13.0	13.2	13.7	14.4	15.2	16.0	16.5	16.7	16.4	15.8	15.2	14.4	13.7			
105	10.5	10.4	10.4	10.4	10.6	11.0	11.6	12.1	12.6	13.0	13.1	12.9	12.5	12.0	11.5	11.0			
110	8.49	8.35	8.34	8.40	8.57	8.91	9.33	9.75	10.1	10.4	10.5	10.4	10.0	9.64	9.23	8.82			
115	6.82	6.71	6.69	6.75	6.91	7.20	7.53	7.86	8.16	8.39	8.46	8.34	8.07	7.73	7.39	7.08			
120	5.45	5.35	5.34	5.39	5.55	5.80	6.06	6.32	6.56	6.74	6.80	6.70	6.48	6.18	5.90	5.65			
125	4.31	4.22	4.20	4.26	4.42	4.64	4.85	5.05	5.25	5.39	5.45	5.36	5.14	4.89	4.65	4.45			
130	3.36	3.28	3.27	3.33	3.49	3.69	3.85	4.01	4.16	4.27	4.31	4.24	4.08	3.85	3.63	3.47			
135	2.57	2.49	2.49	2.56	2.73	2.91	3.03	3.15	3.29	3.37	3.39	3.34	3.20	2.99	2.80	2.66			
140	1.93	1.86	1.88	1.96	2.11	2.27	2.37	2.46	2.57	2.63	2.65	2.60	2.48	2.29	2.12	1.99			
145	1.41	1.35	1.38	1.48	1.62	1.76	1.83	1.90	2.00	2.04	2.05	2.01	1.90	1.74	1.57	1.45			
150	1.00	0.95	0.98	1.10	1.24	1.35	1.41	1.46	1.54	1.56	1.56	1.53	1.45	1.30	1.13	1.03			
155	0.68	0.64	0.68	0.82	0.95	1.03	1.08	1.13	1.18	1.19	1.19	1.16	1.10	0.98	0.82	0.71			
160	0.44	0.42	0.48	0.61	0.74	0.81	0.84	0.88	0.92	0.92	0.90	0.88	0.84	0.74	0.61	0.50			
165	0.29	0.30	0.36	0.48	0.59	0.66	0.68	0.71	0.73	0.73	0.70	0.68	0.65	0.57	0.47	0.37			
170	0.19	0.19	0.25	0.35	0.42	0.53	0.57	0.59	0.60	0.60	0.57	0.54	0.50	0.43	0.35	0.26			
175	0.06	0.05	0.04	0.05	0.12	0.14	0.28	0.37	0.42	0.43	0.38	0.30	0.23	0.15	0.08	0.07			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
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