

Spectrum Test Report

Sample :
Specification :
Sample No. : BR40-11-827-DIM
Manufacturer : RAB Lighting Inc
Remark :

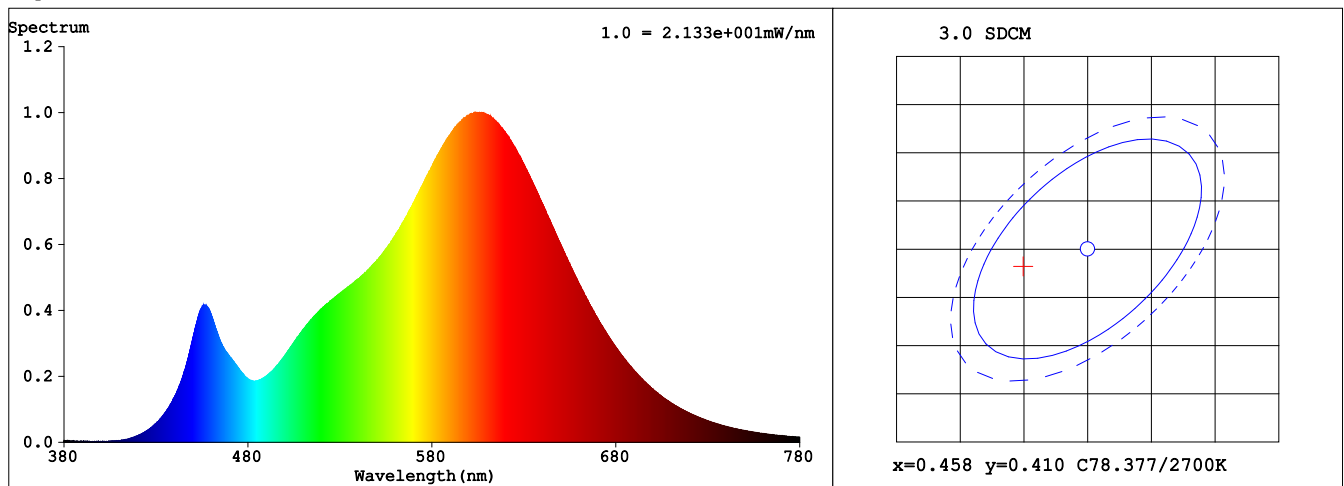
Date : 2019-08-24 02:55:09
Sam. Status :
Standard : LM-79-08
Instrument : HaasSuite(EVERFINE)
Test by : huaWenJun (2.0)

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 53144 (81%)
T : 178 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4526$ $y = 0.4080$ / $u' = 0.2590$ $v' = 0.5253$ ($duv = -3.02e-04$)

CCT= 2784K Prpc WL: Ld=583.9nm Purity=58.3%

Peak WL: Lp=604nm FWHM: =117.3nm Ratio:R=24.4% G=73.1% B=2.4%

Render Index: Ra = 82.1 TM30:Rf=82 Rg=95

R1 =81 R2 =92 R3 =95 R4 =79 R5 =81 R6 =91 R7 =81

R8 =57 R9 =6 R10=82 R11=78 R12=74 R13=84 R14=98 R15=73

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

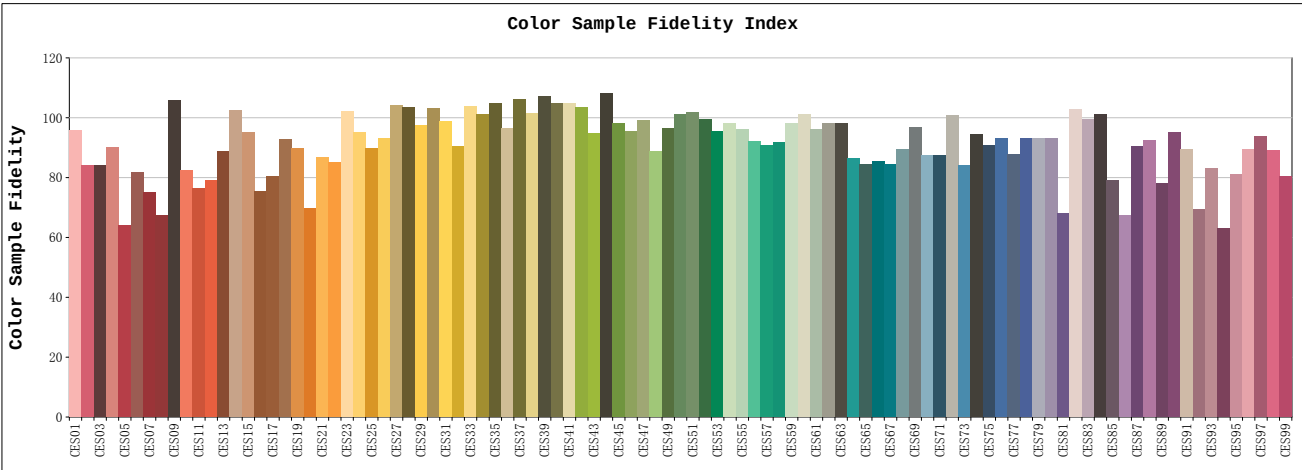
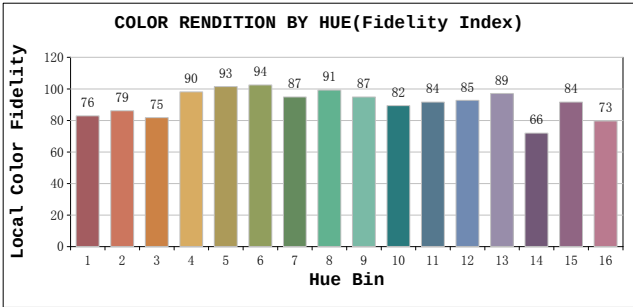
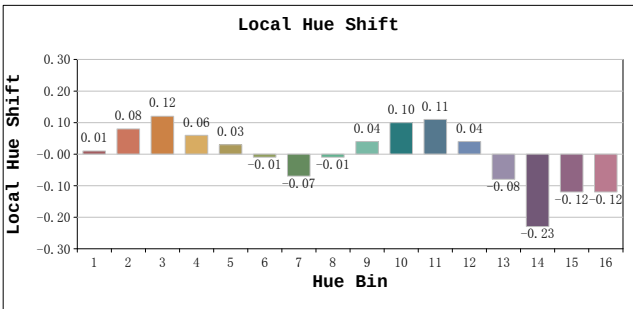
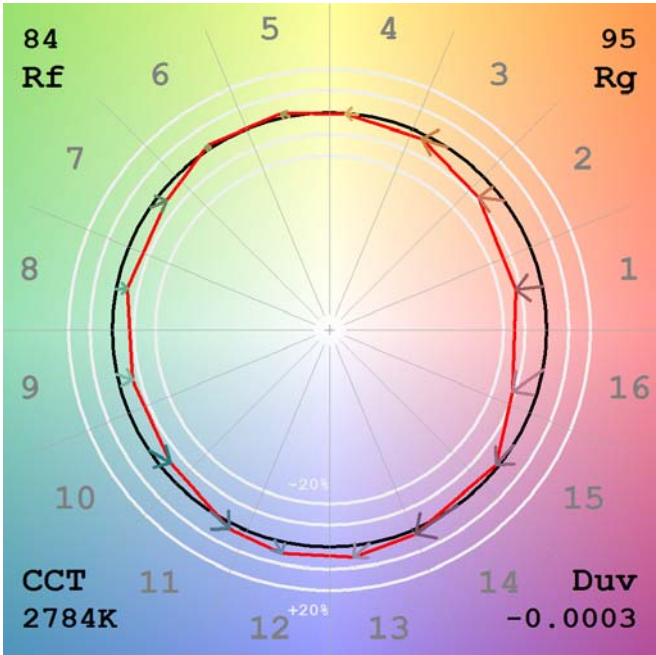
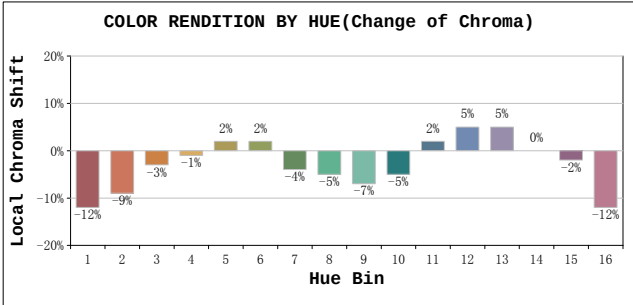
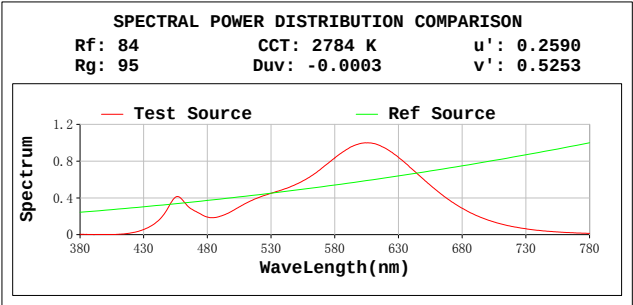
Flux = 986.93 lm Eff. : 99.29 lm/W Fe = 3.0328 W

Flux of emitted photons($\mu\text{mol/s}$):14.85 Fluo. and blue light ratio:9.496 Fluorescent eff.:222.0

Electrical parameters

V = 120.04 V I = 0.1030 A P = 9.940 W PF = 0.8039

TM30

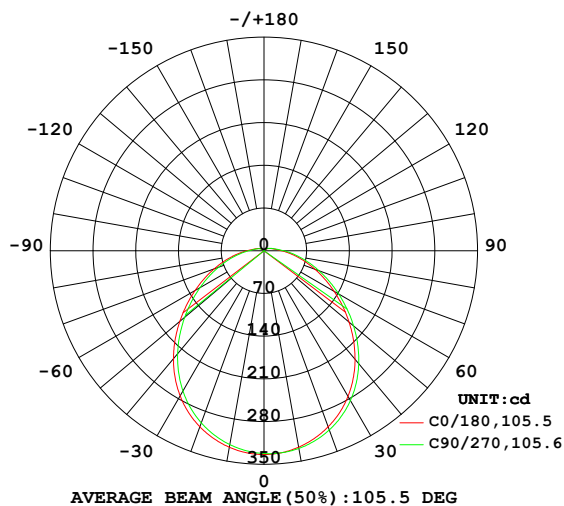


LUMINAIRE PHOTOMETRIC TEST REPORT

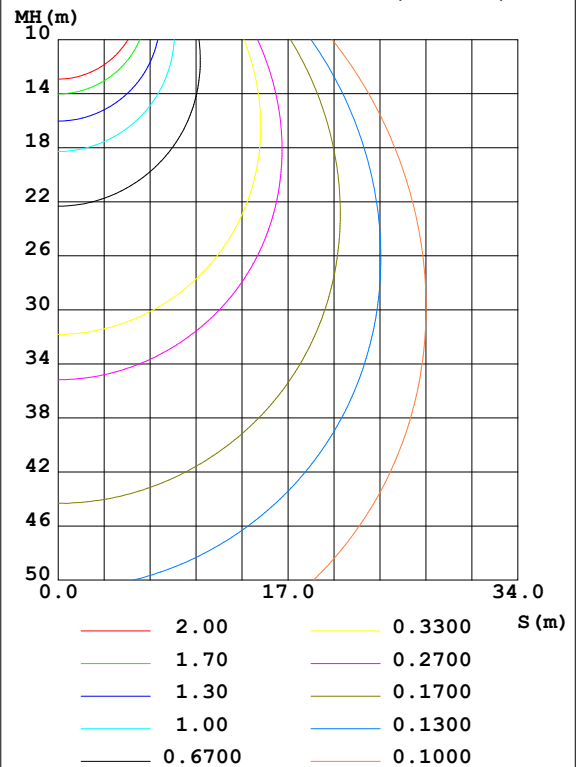
Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.96 lm/W			
MODEL	/	I _{max} (cd)	334.0	S/MH (C0/180)	1.23
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	993.65	η UP, DN (C0-180)	3.1, 48.8
NOMINAL FLUX (lm)	993.646	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.7, 45.5
LAMPS INSIDE	1	η up (%)	5.8	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.2	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: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

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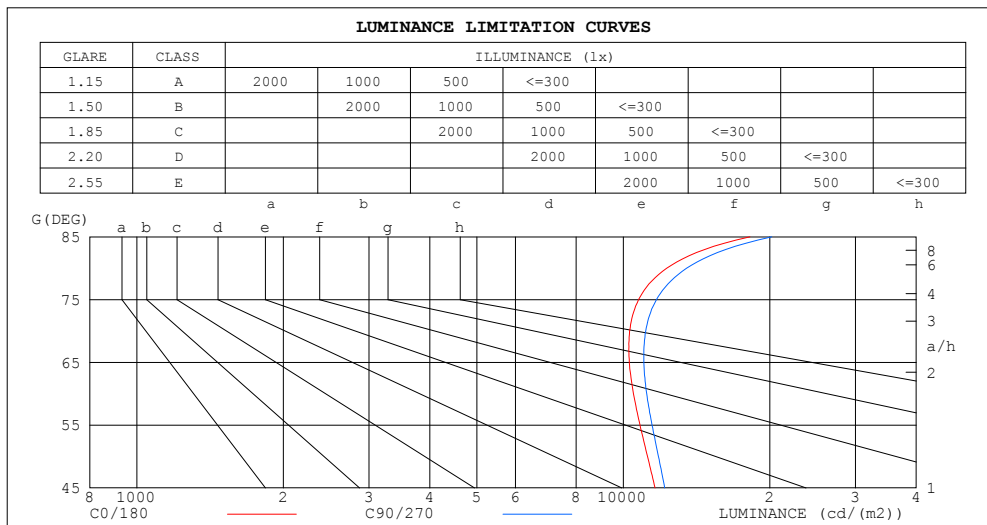
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	332.2	332.4	332.3	330.9	332.2	330.1	329.1	328.7	0- 5	7.930	7.930	0.80,0.80
10	326.9	328.6	329.0	326.9	326.9	324.0	322.6	322.5	5- 10	23.49	31.42	3.16,3.16
15	318.5	321.5	322.4	319.5	318.5	314.8	313.0	313.2	10- 15	38.15	69.57	7,7
20	307.1	311.4	312.5	309.0	307.1	302.3	300.2	301.0	15- 20	51.40	121.0	12.2,12.2
25	292.8	298.1	299.5	295.6	292.5	286.8	284.4	285.8	20- 25	62.72	183.7	18.5,18.5
30	275.4	281.5	283.3	278.9	274.6	268.2	265.6	267.6	25- 30	71.64	255.3	25.7,25.7
35	254.9	261.8	263.7	259.2	254.0	246.7	244.0	246.6	30- 35	77.75	333.1	33.5,33.5
40	232.1	239.3	241.6	236.7	230.8	222.9	220.2	223.4	35- 40	80.82	413.9	41.7,41.7
45	207.5	215.0	217.2	212.3	205.9	197.9	195.2	198.7	40- 45	80.85	494.8	49.8,49.8
50	182.0	189.5	191.7	186.8	180.2	172.3	169.7	173.3	45- 50	78.08	572.8	57.7,57.7
55	156.8	164.0	165.9	161.3	154.8	147.2	144.8	148.4	50- 55	72.95	645.8	65,65
60	132.5	139.3	141.1	136.6	130.4	123.3	121.1	124.6	55- 60	66.09	711.9	71.6,71.6
65	109.8	116.0	117.6	113.5	107.7	101.2	99.33	102.6	60- 65	58.11	770.0	77.5,77.5
70	88.97	94.63	96.09	92.37	86.94	81.18	79.52	82.51	65- 70	49.56	819.5	82.5,82.5
75	70.29	75.29	76.49	73.16	68.32	63.34	61.92	64.57	70- 75	40.88	860.4	86.6,86.6
80	53.86	58.18	59.19	56.28	52.09	47.93	46.76	48.93	75- 80	32.53	893.0	89.9,89.9
85	40.08	43.61	44.45	42.05	38.60	35.30	34.40	36.13	80- 85	24.92	917.9	92.4,92.4
90	29.35	31.97	32.58	30.76	28.22	25.86	25.22	26.48	85- 90	18.50	936.4	94.2,94.2
95	21.80	23.65	24.00	22.77	20.98	19.38	19.00	19.85	90- 95	13.61	950.0	95.6,95.6
100	16.93	18.03	18.22	17.45	16.40	15.35	15.10	15.67	95-100	10.23	960.2	96.6,96.6
105	13.79	14.55	14.67	14.14	13.36	12.55	12.36	12.83	100-105	8.028	968.2	97.4,97.4
110	11.28	11.90	12.01	11.57	10.91	10.23	10.08	10.49	105-110	6.408	974.7	98.1,98.1
115	9.185	9.692	9.764	9.394	8.850	8.279	8.166	8.517	110-115	5.059	979.7	98.6,98.6
120	7.419	7.828	7.890	7.574	7.120	6.642	6.549	6.858	115-120	3.930	983.6	99,99
125	5.929	6.263	6.307	6.045	5.674	5.268	5.200	5.464	120-125	2.997	986.6	99.3,99.3
130	4.683	4.958	4.992	4.769	4.448	4.109	4.052	4.276	125-130	2.233	988.9	99.5,99.5
135	3.647	3.869	3.894	3.711	3.448	3.160	3.119	3.311	130-135	1.623	990.5	99.7,99.7
140	2.791	2.977	2.995	2.845	2.627	2.385	2.354	2.514	135-140	1.146	991.6	99.8,99.8
145	2.090	2.248	2.260	2.138	1.958	1.761	1.729	1.855	140-145	0.7806	992.4	99.9,99.9
150	1.534	1.666	1.674	1.577	1.424	1.272	1.236	1.333	145-150	0.5096	992.9	99.9,99.9
155	1.111	1.220	1.224	1.147	1.025	0.9135	0.8744	0.9436	150-155	0.3184	993.3	100,100
160	0.8144	0.9028	0.9002	0.8442	0.7476	0.6712	0.6387	0.6764	155-160	0.1918	993.4	100,100
165	0.6118	0.6887	0.6789	0.6414	0.5662	0.5050	0.4882	0.4985	160-165	0.1123	993.6	100,100
170	0.4494	0.5249	0.5069	0.4810	0.4231	0.3586	0.3129	0.3443	165-170	0.0608	993.6	100,100
175	0.2385	0.2857	0.3331	0.2368	0.1919	0.1852	0.1132	0.1515	170-175	0.0243	993.6	100,100
180	0.0008	0.0004	0.0006	0.0006	0	0.0005	0.0005	0.0005	175-180	0.0028	993.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YY
 Test Date:2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



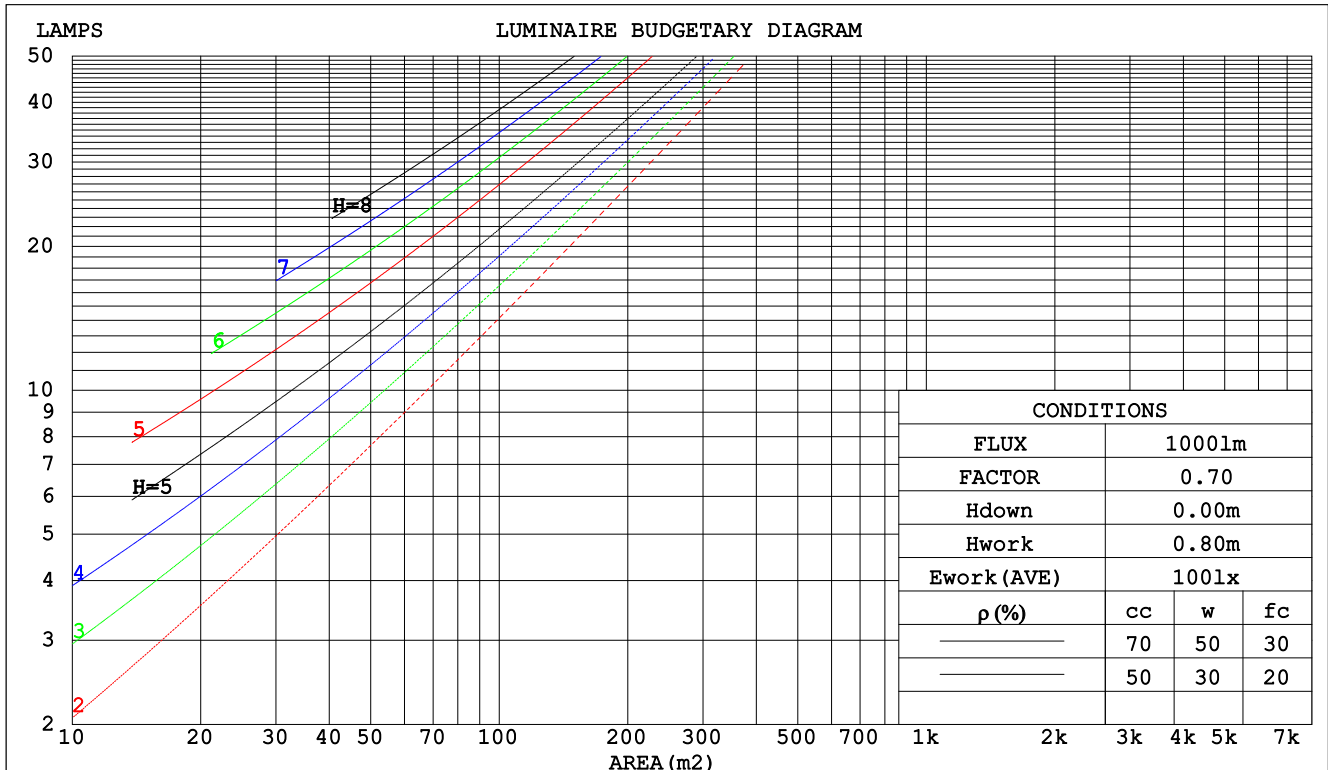
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.94
1.0	1.01	.97	.92	.98	.94	.90	.93	.90	.86	.88	.85	.83	.84	.81	.79	.77
2.0	.88	.81	.75	.86	.79	.74	.81	.76	.71	.77	.72	.68	.73	.69	.66	.64
3.0	.77	.69	.62	.75	.67	.61	.71	.65	.59	.68	.62	.58	.65	.60	.56	.54
4.0	.68	.60	.53	.67	.58	.52	.63	.56	.51	.60	.54	.49	.58	.52	.48	.46
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.54	.48	.43	.52	.46	.42	.40
6.0	.55	.46	.40	.54	.45	.39	.51	.44	.38	.49	.43	.38	.47	.41	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.39	.34	.45	.38	.33	.43	.37	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.31	.41	.35	.30	.40	.34	.29	.27
9.0	.42	.34	.28	.41	.33	.28	.40	.32	.28	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.30	.25	.37	.30	.25	.35	.29	.25	.34	.28	.24	.22



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 Test Speed: HIGH
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 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm								
NAME: BR40-11-827-DIM				TYPE: /			WEIGHT: /	
SPEC.: /				DIM.: /			SERIAL No.: /	
MFR.: RAB Lighting Inc				SUR.: /			Shielding Angle: /	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.334	.190	.060	.325	.186	.059	.309	.177	.057	.293	.169	.054	.279	.162	.052		
2.0	.302	.165	.051	.294	.162	.050	.279	.155	.048	.266	.149	.047	.253	.143	.045		
3.0	.275	.146	.044	.268	.143	.043	.254	.138	.042	.242	.133	.041	.231	.128	.040		
4.0	.251	.130	.038	.245	.128	.038	.233	.124	.037	.222	.119	.036	.212	.115	.035		
5.0	.231	.118	.034	.225	.116	.034	.215	.112	.033	.205	.108	.032	.195	.104	.031		
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.190	.099	.029	.181	.096	.028		
7.0	.198	.098	.028	.194	.096	.027	.185	.093	.027	.177	.091	.026	.169	.088	.026		
8.0	.185	.090	.025	.181	.089	.025	.173	.086	.025	.165	.084	.024	.159	.081	.024		
9.0	.173	.084	.023	.169	.082	.023	.162	.080	.023	.155	.078	.022	.149	.076	.022		
10.0	.162	.078	.022	.159	.077	.021	.153	.075	.021	.146	.073	.021	.141	.071	.020		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.234	.234	.234	.200	.200	.200	.137	.137	.137	.079	.079	.079	.025	.025	.025	
1.0	.226	.200	.177	.194	.172	.152	.132	.118	.105	.076	.068	.061	.024	.022	.020	
2.0	.218	.176	.141	.187	.152	.122	.128	.105	.085	.074	.061	.050	.024	.020	.016	
3.0	.210	.159	.118	.180	.137	.103	.124	.095	.072	.071	.056	.042	.023	.018	.014	
4.0	.202	.146	.103	.174	.126	.090	.119	.088	.063	.069	.052	.037	.022	.017	.012	
5.0	.195	.136	.092	.167	.117	.080	.115	.082	.057	.067	.048	.034	.022	.016	.011	
6.0	.187	.128	.084	.161	.110	.074	.111	.077	.052	.064	.045	.031	.021	.015	.010	
7.0	.181	.121	.079	.155	.105	.069	.107	.073	.049	.062	.043	.029	.020	.014	.010	
8.0	.174	.115	.074	.150	.100	.065	.104	.070	.046	.060	.041	.027	.020	.014	.009	
9.0	.168	.110	.071	.145	.096	.062	.100	.067	.044	.058	.040	.026	.019	.013	.009	
10.0	.162	.106	.068	.140	.092	.060	.097	.065	.042	.057	.038	.025	.018	.013	.008	

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UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm											
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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	20.8	22.2	21.1	22.5	22.8	21.0	22.5	21.4	22.8	23.1	
	3H	22.4	23.7	22.8	24.1	24.4	22.7	24.0	23.1	24.4	
	4H	23.2	24.4	23.6	24.8	25.2	23.5	24.8	23.9	25.1	
	6H	23.9	25.1	24.3	25.5	25.9	24.3	25.5	24.7	25.9	
	8H	24.3	25.5	24.8	25.9	26.3	24.7	25.9	25.2	26.3	
	12H	24.8	25.9	25.2	26.3	26.7	25.2	26.3	25.7	26.7	
4H	2H	21.4	22.7	21.8	23.0	23.4	21.6	22.9	22.0	23.2	
	3H	23.2	24.4	23.7	24.8	25.2	23.5	24.6	23.9	25.0	
	4H	24.2	25.2	24.6	25.6	26.1	24.5	25.5	24.9	25.9	
	6H	25.1	26.1	25.6	26.5	27.0	25.5	26.4	26.0	26.9	
	8H	25.6	26.5	26.1	27.0	27.5	26.0	26.9	26.5	27.3	
	12H	26.2	27.0	26.7	27.5	28.0	26.6	27.4	27.1	27.9	
8H	4H	24.6	25.5	25.1	25.9	26.4	24.9	25.7	25.4	26.2	
	6H	25.8	26.5	26.3	27.0	27.6	26.1	26.8	26.6	27.3	
	8H	26.5	27.1	27.0	27.6	28.2	26.8	27.4	27.3	28.0	
	12H	27.2	27.8	27.8	28.3	28.9	27.6	28.1	28.1	28.7	
12H	4H	24.7	25.5	25.2	25.9	26.5	24.9	25.7	25.4	26.2	
	6H	26.0	26.6	26.5	27.1	27.7	26.3	26.9	26.8	27.4	
	8H	26.7	27.3	27.3	27.8	28.4	27.0	27.6	27.6	28.1	
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 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117, 993.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

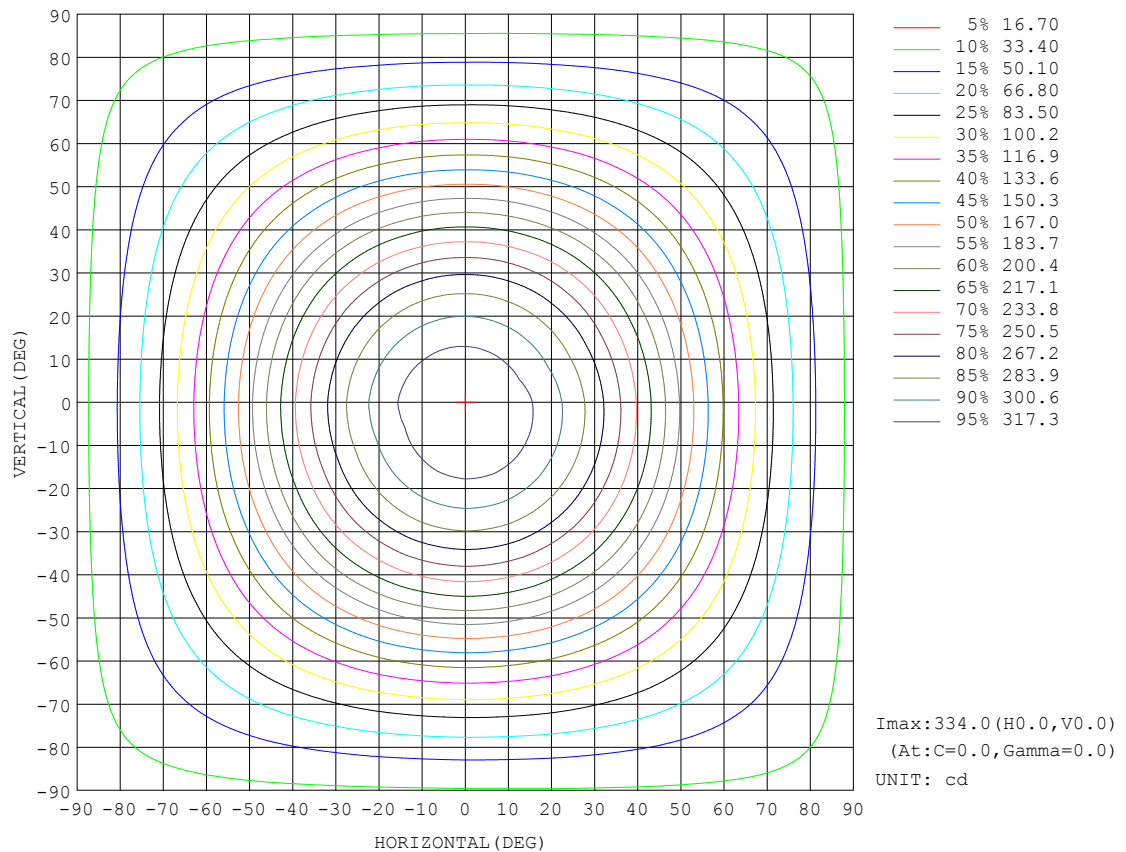
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	53	43	37	30
0.80	65	53	46	64	53	46	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	46
1.25	80	69	62	78	68	61	75	67	60	52
1.50	85	75	67	83	73	67	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	71
4.00	103	97	92	100	95	90	95	91	87	76
5.00	106	100	96	103	98	94	97	93	90	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

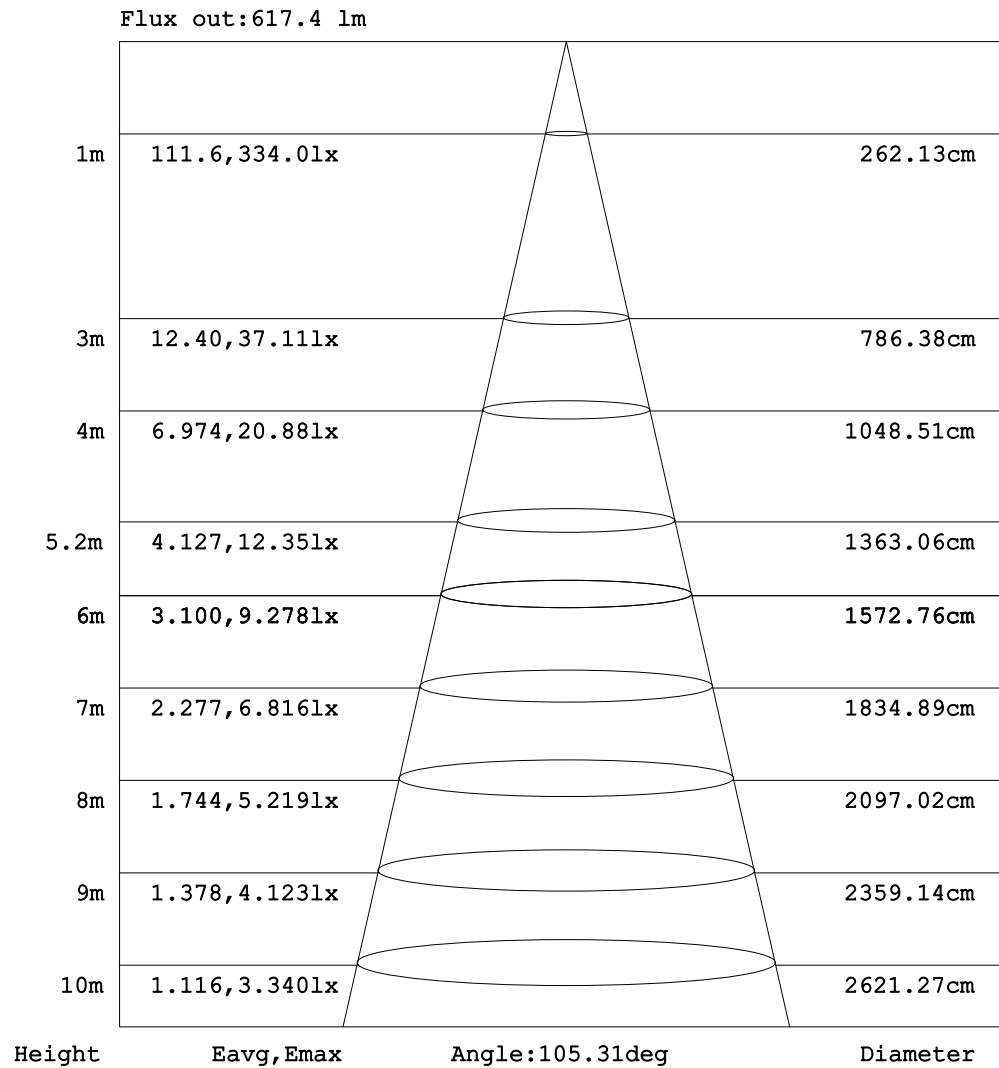


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YY
Test Date:2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:28.2%
Test Distance:1.191m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



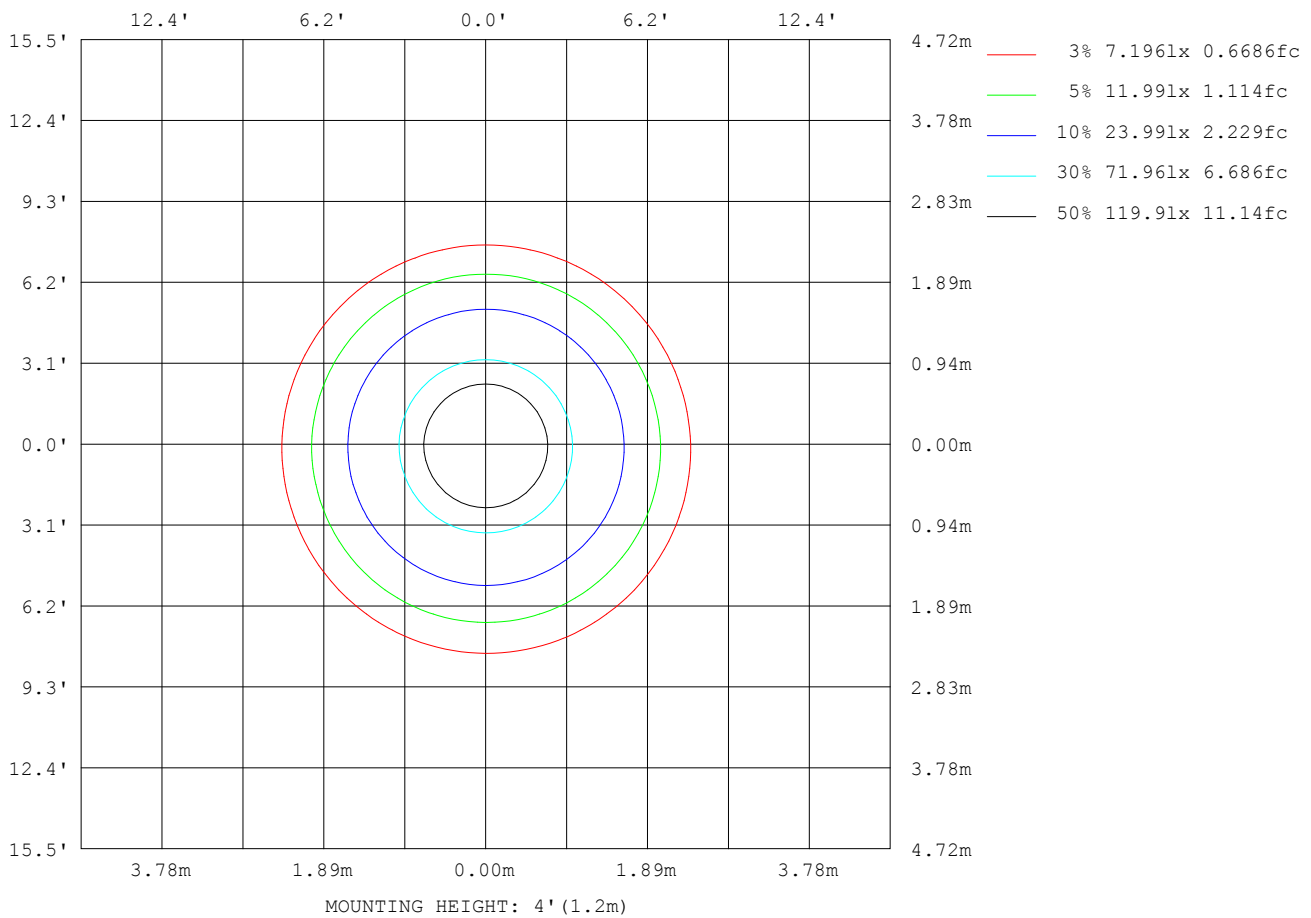
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-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: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

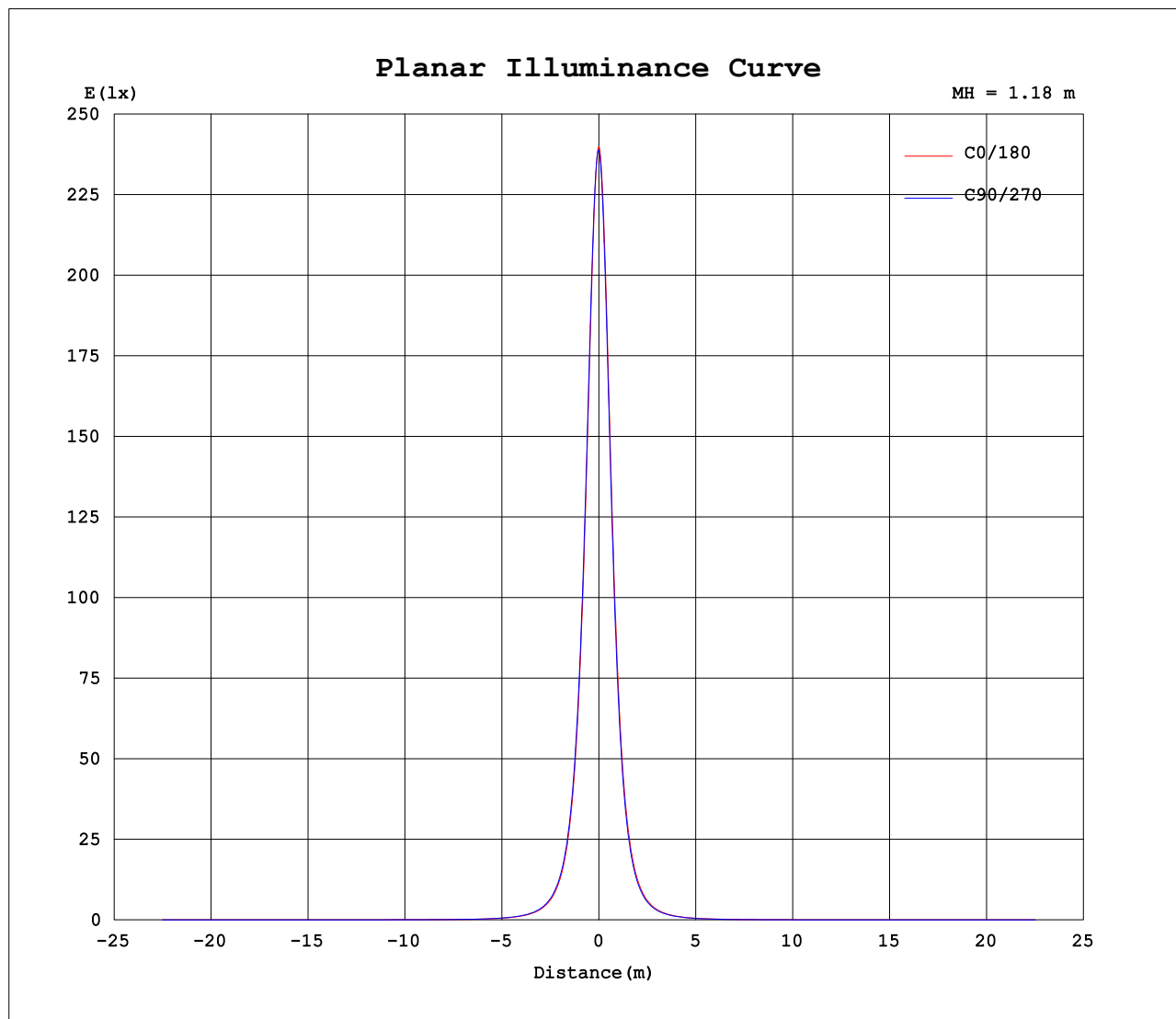
AvgL	cd/m2
L_0~180 (65) av	10189
L_0~180 (75) av	10601
L_0~180 (85) av	17869
L_90~270 (65) av	10160
L_90~270 (75) av	10585
L_90~270 (85) av	17907
L_45 (65) av	10150
L_45 (75) av	10568
L_45 (85) av	17839

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YY
 Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: YY
Test Date: 2019-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 28.2%
Test Distance: 1.191m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1054A P:9.940W PF:0.7858 Freq:0Hz Lamp Flux:993.646x1 lm		
NAME: BR40-11-827-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	334	333	333	333	332	332	332	331	334	333	333	333	332	332	332	331			
5	332	332	332	332	332	332	331	330	332	331	330	329	329	329	329	329			
10	327	328	329	329	329	328	327	325	327	325	324	323	323	322	323	323			
15	319	320	322	322	322	321	320	318	318	316	315	314	313	313	313	314			
20	307	310	311	313	313	311	309	307	307	304	302	301	300	300	301	303			
25	293	296	298	300	300	298	296	293	292	289	287	285	284	285	286	288			
30	275	279	281	283	283	282	279	275	275	271	268	266	266	266	268	270			
35	255	259	262	264	264	262	259	255	254	250	247	245	244	245	247	250			
40	232	236	239	241	242	240	237	233	231	226	223	221	220	221	223	227			
45	208	212	215	217	217	216	212	208	206	201	198	196	195	196	199	202			
50	182	186	190	192	192	190	187	183	180	176	172	170	170	171	173	177			
55	157	161	164	166	166	164	161	157	155	150	147	145	145	146	148	152			
60	133	136	139	141	141	140	137	133	130	126	123	121	121	122	125	128			
65	110	113	116	118	118	116	114	110	108	104	101	99.6	99.3	100	103	106			
70	89.0	92.2	94.6	96.1	96.1	94.7	92.4	89.2	86.9	83.7	81.2	79.7	79.5	80.5	82.5	85.4			
75	70.3	73.1	75.3	76.5	76.5	75.3	73.2	70.4	68.3	65.5	63.3	62.1	61.9	62.8	64.6	67.1			
80	53.9	56.3	58.2	59.2	59.2	58.1	56.3	53.9	52.1	49.7	47.9	47.0	46.8	47.5	48.9	51.1			
85	40.1	42.0	43.6	44.5	44.5	43.6	42.0	40.1	38.6	36.7	35.3	34.6	34.4	35.0	36.1	37.9			
90	29.3	30.8	32.0	32.6	32.6	31.9	30.8	29.4	28.2	26.8	25.9	25.3	25.2	25.6	26.5	27.7			
95	21.8	22.8	23.6	24.0	24.0	23.6	22.8	21.8	21.0	20.0	19.4	19.1	19.0	19.3	19.9	20.7			
100	16.9	17.5	18.0	18.3	18.2	17.9	17.5	16.9	16.4	15.8	15.3	15.1	15.1	15.3	15.7	16.2			
105	13.8	14.2	14.5	14.7	14.7	14.5	14.1	13.7	13.4	12.9	12.6	12.4	12.4	12.5	12.8	13.3			
110	11.3	11.6	11.9	12.0	12.0	11.8	11.6	11.2	10.9	10.5	10.2	10.1	10.1	10.2	10.5	10.9			
115	9.18	9.47	9.69	9.79	9.76	9.62	9.39	9.10	8.85	8.52	8.28	8.16	8.17	8.28	8.52	8.82			
120	7.42	7.65	7.83	7.91	7.89	7.77	7.57	7.32	7.12	6.84	6.64	6.54	6.55	6.66	6.86	7.11			
125	5.93	6.12	6.26	6.32	6.31	6.21	6.05	5.84	5.67	5.45	5.27	5.19	5.20	5.30	5.46	5.68			
130	4.68	4.84	4.96	5.00	4.99	4.91	4.77	4.61	4.45	4.25	4.11	4.04	4.05	4.13	4.28	4.46			
135	3.65	3.78	3.87	3.90	3.89	3.83	3.71	3.58	3.45	3.28	3.16	3.11	3.12	3.19	3.31	3.46			
140	2.79	2.90	2.98	3.00	2.99	2.94	2.84	2.74	2.63	2.49	2.38	2.35	2.35	2.42	2.51	2.64			
145	2.09	2.19	2.25	2.27	2.26	2.21	2.14	2.05	1.96	1.85	1.76	1.73	1.73	1.78	1.86	1.97			
150	1.53	1.61	1.67	1.68	1.67	1.64	1.58	1.51	1.42	1.35	1.27	1.24	1.24	1.27	1.33	1.42			
155	1.11	1.18	1.22	1.23	1.22	1.20	1.15	1.10	1.03	0.98	0.91	0.89	0.87	0.90	0.94	1.02			
160	0.81	0.87	0.90	0.91	0.90	0.88	0.84	0.82	0.75	0.73	0.67	0.65	0.64	0.65	0.68	0.73			
165	0.61	0.65	0.69	0.70	0.68	0.67	0.64	0.63	0.57	0.55	0.50	0.49	0.49	0.48	0.50	0.55			
170	0.45	0.48	0.52	0.53	0.51	0.50	0.48	0.45	0.42	0.42	0.36	0.33	0.31	0.33	0.34	0.40			
175	0.24	0.30	0.29	0.28	0.33	0.33	0.24	0.19	0.19	0.19	0.19	0.12	0.11	0.12	0.15	0.13			
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
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YY
Test Date:2019-08-26

γ Range: 0 - 180DEG
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