

Spectrum Test Report

Sample : MR16-5.5-830-25D-DIM
Specification :
Sample No. :
Manufacturer : RAB Lighting Inc
Remark :
Device SN :

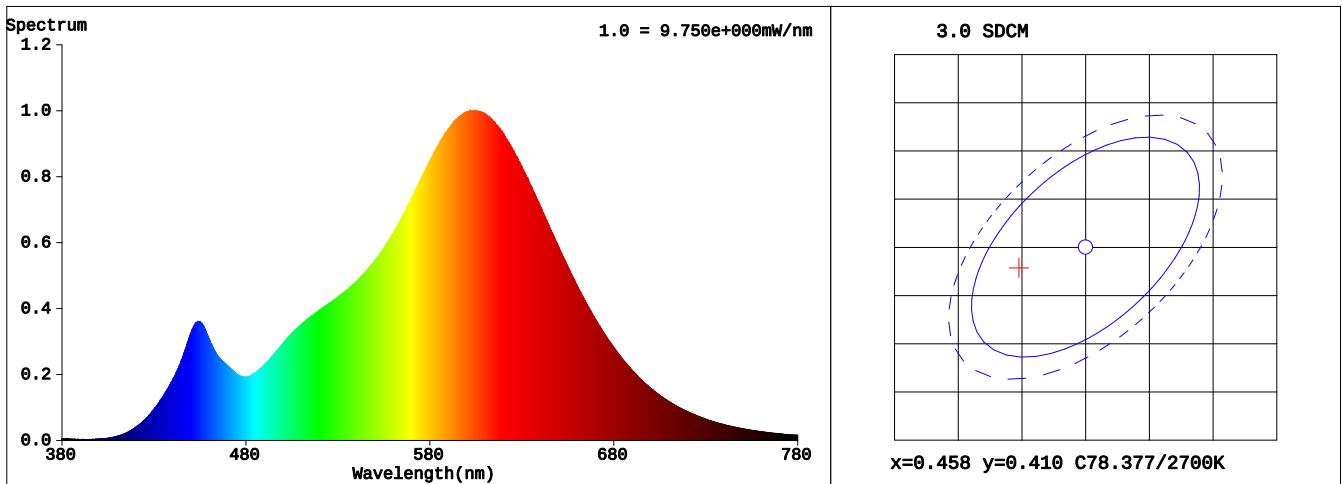
Date : 2020-04-08 09:13:55
Sam. Status :
Standard : LM-79-80
Instrument : HaasSuite(EVERFINE)
Test by :

Test Condition

Temperature : 24.0Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 51956 (79%)
T : 389 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4524$ $y = 0.4077$ / $u' = 0.2590$ $v' = 0.5251$ ($duv = -4.17e-04$)

CCT= 2784K Prpc WL: Ld=583.9nm Purity=58.2%

Peak WL: Lp=602nm FWHM: =113.9nm Ratio:R=24.3% G=73.2% B=2.5%

Render Index: Ra = 81.3

EEL: 0.12844 A+

R1 =80 R2 =92 R3 =94 R4 =78 R5 =81 R6 =91 R7 =80
R8 =55 R9 =2 R10=82 R11=78 R12=78 R13=83 R14=97 R15=72
LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

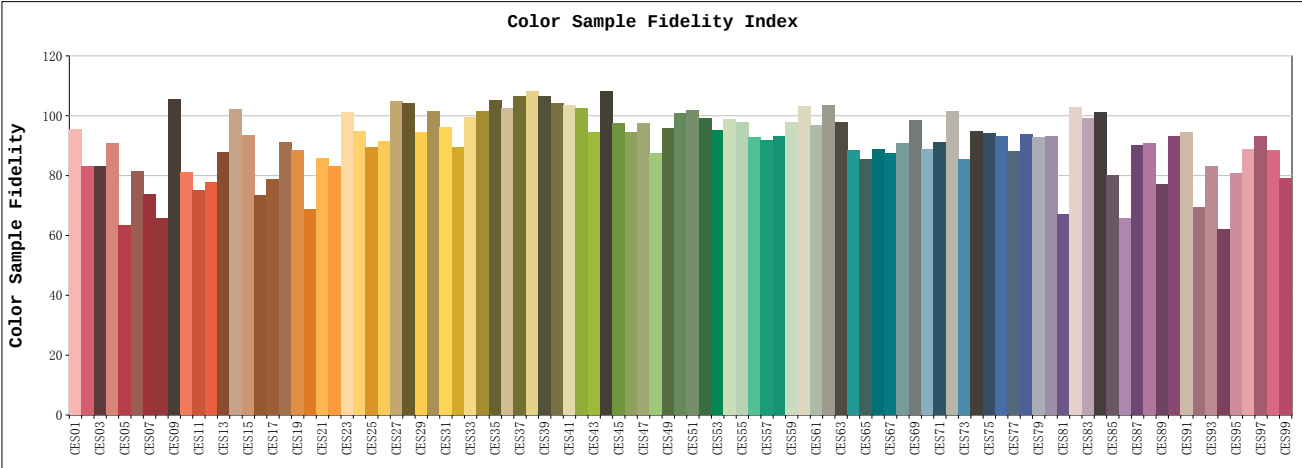
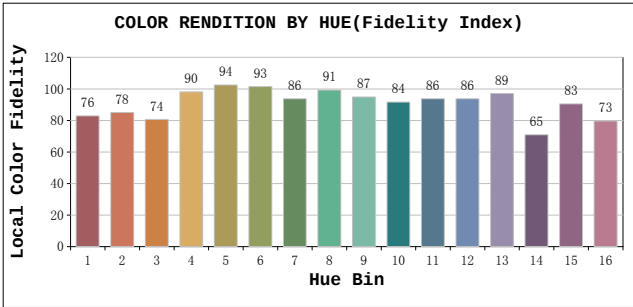
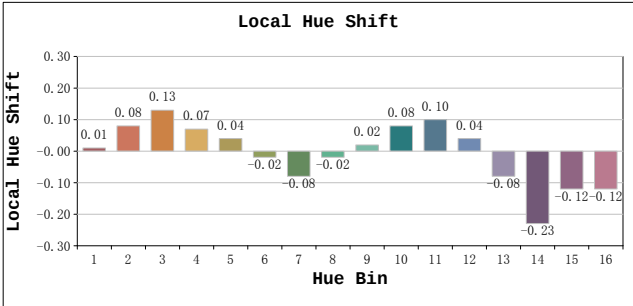
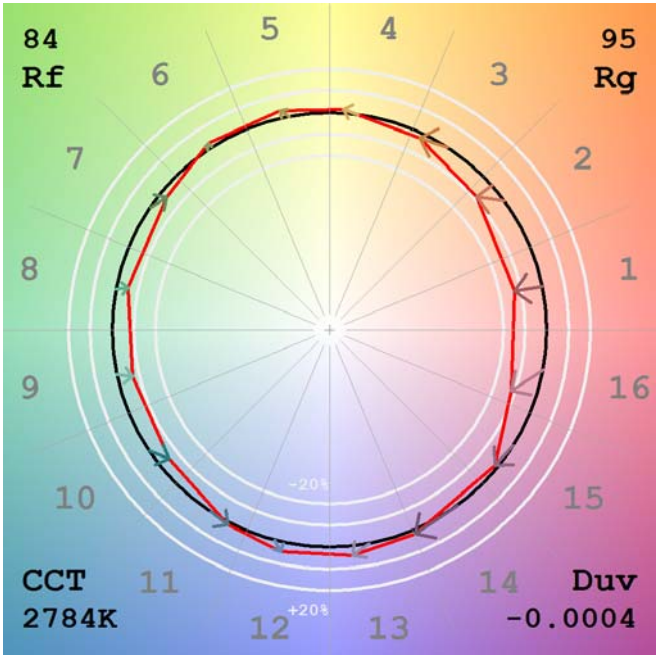
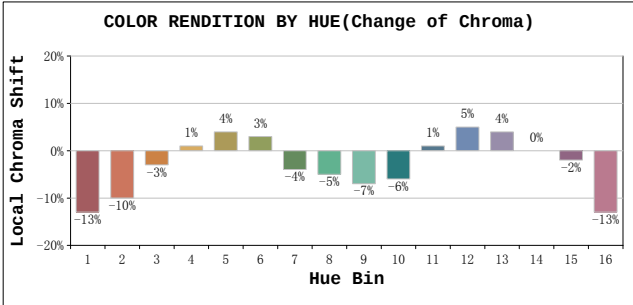
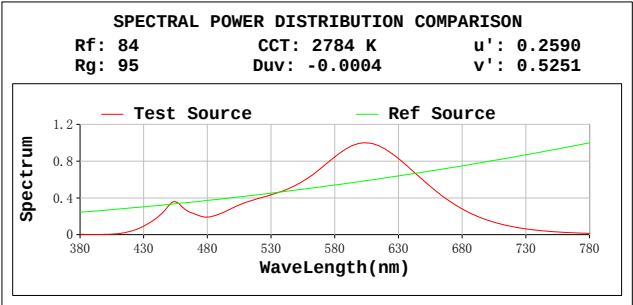
Flux = 450.01 lm Eff. : 86.04 lm/W Fe = 1.3824 W

Flux of emitted photons($\mu\text{mol/s}$):6.757 Fluo. and blue light ratio:9.929 Fluorescent eff.:223.0

Electrical parameters

V = 12.12 V I = 0.4648 A P = 5.230 W PF = 0.9284

TM30

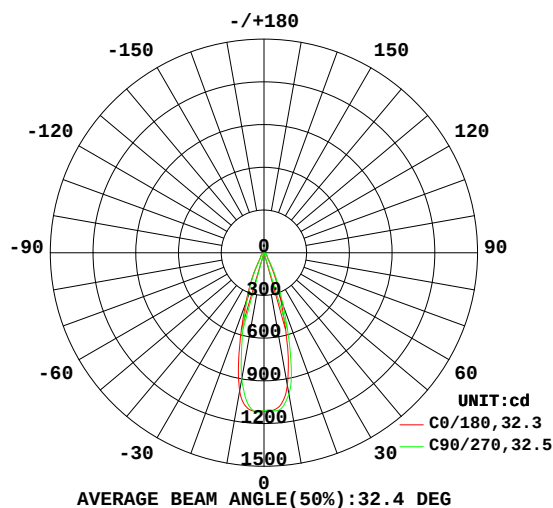


LUMINAIRE PHOTOMETRIC TEST REPORT

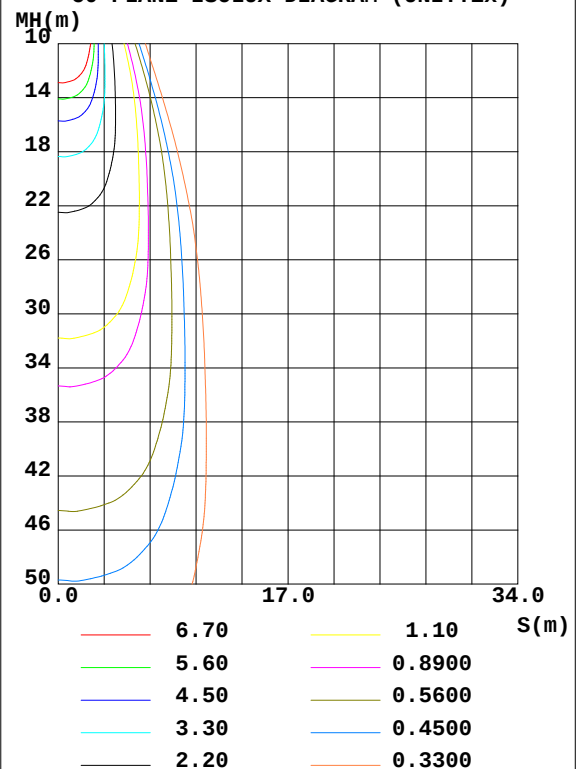
NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.79 lm/W
MODEL	MR16	I _{max} (cd)	1122	S/MH(C0/180)	0.54	
NOMINAL POWER(W)	5.5	LOR(%)	100.0	S/MH(C90/270)	0.52	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	467.55	η UP, DN(C0-180)	0.0, 51.9	
NOMINAL FLUX(lm)	467.546	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.1	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	12	η down(%)	100.0	CIBSE SHR MAX	0.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:
 Test Date: 2020-04-09

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=0.6268]
 Remarks:

ZONAL FLUX DIAGRAM

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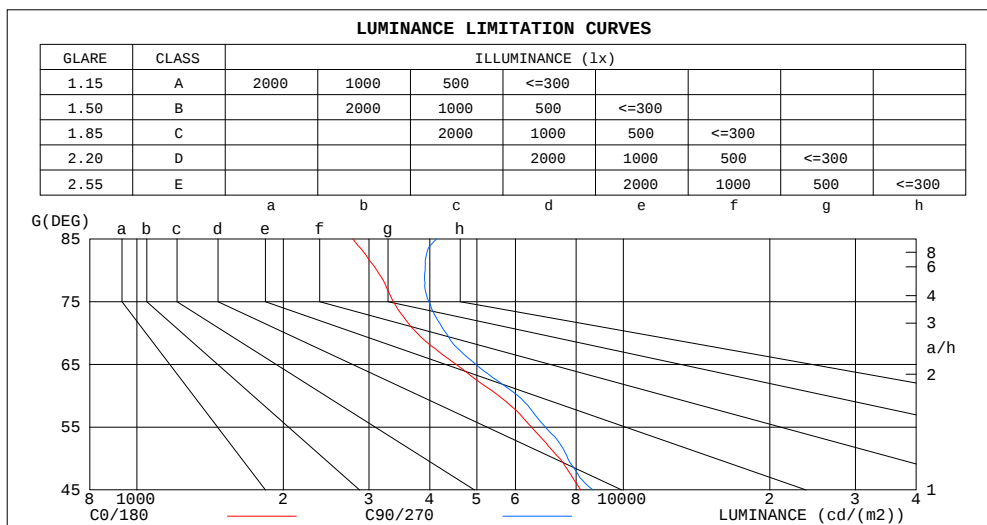
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	1095	1086	1111	1101	1108	1086	1094	1078	0- 5	26.47	26.47	5.66,5.66
10	945.0	991.3	1008	1011	985.6	926.7	900.0	906.9	5- 10	73.67	100.1	21.4,21.4
15	611.5	727.1	709.3	751.0	654.4	636.6	583.5	618.9	10- 15	96.30	196.4	42,42
20	337.2	389.2	394.5	429.4	371.5	368.4	344.6	352.6	15- 20	82.66	279.0	59.7,59.7
25	174.7	202.6	214.9	232.6	200.3	207.1	188.6	193.7	20- 25	58.22	337.2	72.1,72.1
30	80.75	109.6	102.4	123.3	91.81	110.8	82.98	102.8	25- 30	36.70	373.9	80,80
35	45.97	59.28	49.88	64.47	47.68	59.77	45.46	56.22	30- 35	21.43	395.3	84.6,84.6
40	36.35	41.95	36.53	42.51	38.21	41.70	36.21	39.65	35- 40	14.90	410.2	87.7,87.7
45	28.65	34.32	30.36	35.19	30.19	35.01	28.12	33.13	40- 45	13.07	423.3	90.5,90.5
50	23.59	26.53	24.52	26.63	23.82	25.08	22.29	23.80	45- 50	11.37	434.7	93,93
55	18.42	18.58	19.67	18.44	18.83	17.92	17.58	17.09	50- 55	9.245	443.9	95,95
60	13.75	13.20	15.05	13.25	14.69	12.75	13.18	12.22	55- 60	7.319	451.3	96.5,96.5
65	9.497	9.500	10.42	9.726	10.31	9.326	9.430	8.920	60- 65	5.576	456.8	97.7,97.7
70	6.387	7.008	7.325	7.136	6.887	6.719	6.584	6.417	65- 70	4.125	461.0	98.6,98.6
75	4.321	4.950	5.115	5.019	4.569	4.496	4.312	4.322	70- 75	2.976	463.9	99.2,99.2
80	2.682	3.182	3.370	3.263	2.869	2.583	2.410	2.494	75- 80	1.999	465.9	99.7,99.7
85	1.202	1.570	1.786	1.645	1.314	1.002	0.8653	0.9343	80- 85	1.114	467.0	99.9,99.9
90	0.0238	0.4137	0.5235	0.4342	0.0921	0.0270	0.0099	0.0051	85- 90	0.3768	467.4	100,100
95	0.0023	0.0072	0.0302	0.0442	0.0106	0.0020	0.0021	0.0023	90- 95	0.0236	467.4	100,100
100	0.0026	0.0026	0.0049	0.0083	0.0024	0.0025	0.0024	0.0025	95-100	0.0039	467.4	100,100
105	0.0026	0.0027	0.0031	0.0032	0.0027	0.0028	0.0027	0.0028	100-105	0.0016	467.4	100,100
110	0.0030	0.0029	0.0031	0.0032	0.0032	0.0031	0.0032	0.0030	105-110	0.0015	467.5	100,100
115	0.0041	0.0039	0.0041	0.0037	0.0031	0.0032	0.0033	0.0033	110-115	0.0017	467.5	100,100
120	0.0042	0.0042	0.0040	0.0040	0.0035	0.0035	0.0034	0.0035	115-120	0.0018	467.5	100,100
125	0.0042	0.0042	0.0040	0.0040	0.0039	0.0040	0.0040	0.0040	120-125	0.0018	467.5	100,100
130	0.0042	0.0042	0.0042	0.0041	0.0044	0.0048	0.0046	0.0048	125-130	0.0018	467.5	100,100
135	0.0047	0.0052	0.0047	0.0047	0.0060	0.0065	0.0061	0.0069	130-135	0.0020	467.5	100,100
140	0.0082	0.0088	0.0076	0.0083	0.0088	0.0099	0.0093	0.0107	135-140	0.0026	467.5	100,100
145	0.0156	0.0170	0.0145	0.0159	0.0141	0.0164	0.0163	0.0186	140-145	0.0040	467.5	100,100
150	0.0321	0.0332	0.0300	0.0312	0.0255	0.0284	0.0300	0.0333	145-150	0.0066	467.5	100,100
155	0.0630	0.0626	0.0586	0.0594	0.0503	0.0547	0.0578	0.0630	150-155	0.0108	467.5	100,100
160	0.1077	0.1044	0.0994	0.1002	0.0935	0.0987	0.1030	0.1096	155-160	0.0166	467.5	100,100
165	0.1422	0.1370	0.1338	0.1329	0.1332	0.1333	0.1344	0.1400	160-165	0.0199	467.5	100,100
170	0.1273	0.1276	0.1279	0.1262	0.1276	0.1231	0.1179	0.1174	165-170	0.0160	467.5	100,100
175	0.0818	0.0827	0.0847	0.0825	0.0765	0.0729	0.0667	0.0694	170-175	0.0074	467.5	100,100
180	0	0	0	0	0.0002	0.0006	0.0004	0.0006	175-180	0.0013	467.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:
 Test Date:2020-04-09

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=0.6268]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2780	4131
80	3114	3913
75	3366	3984
70	3765	4318
65	4531	4969
60	5543	6069
55	6476	6915
50	7400	7690
45	8170	8658

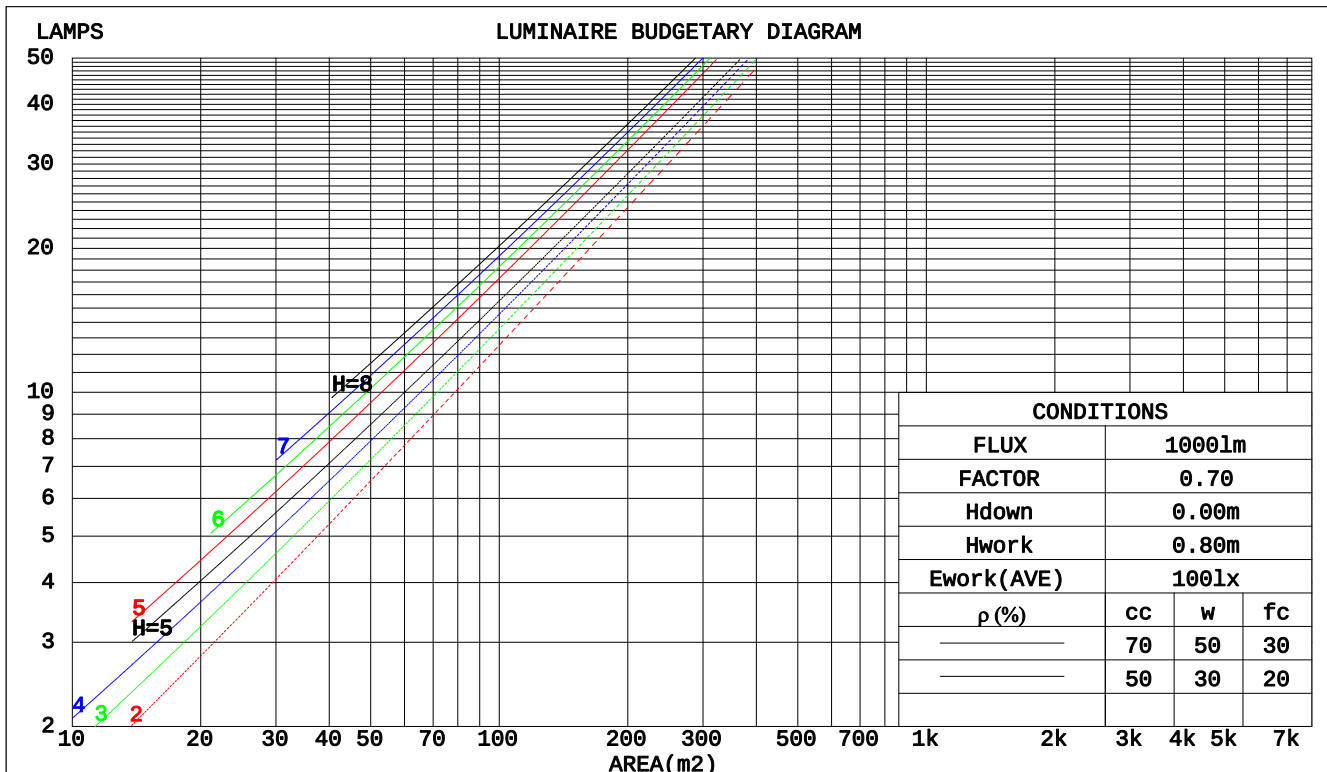
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2020-04-09

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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=0.6268]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MR16-5.5-827-35D-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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94
2.0	1.04	.00	.97	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.74	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.71
7.0	.79	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.75	.71	.69	.67
8.0	.76	.70	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.72	.68	.66	.64
9.0	.73	.67	.64	.72	.67	.64	.71	.67	.63	.70	.66	.63	.70	.66	.63	.62
10.0	.70	.65	.61	.69	.64	.61	.69	.64	.61	.68	.64	.61	.67	.63	.61	.59



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:
 Test Date: 2020-04-09

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=0.6268]
 Remarks:

WEC AND CCEC

NAME: MR16-5.5-827-35D-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	.175	.100	.032	.168	.096	.031	.156	.089	.029	.144	.083	.027	.134	.077	.025		
2.0	.165	.090	.028	.159	.088	.027	.148	.083	.026	.139	.078	.024	.130	.073	.023		
3.0	.154	.082	.025	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021		
4.0	.145	.075	.022	.141	.074	.022	.133	.070	.021	.126	.068	.020	.119	.065	.020		
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018		
6.0	.129	.064	.018	.125	.063	.018	.120	.061	.018	.114	.059	.017	.109	.057	.017		
7.0	.122	.060	.017	.119	.059	.017	.114	.058	.017	.109	.056	.016	.105	.054	.016		
8.0	.116	.056	.016	.113	.056	.016	.109	.054	.016	.104	.053	.015	.100	.052	.015		
9.0	.110	.053	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.097	.049	.014		
10.0	.105	.050	.014	.103	.050	.014	.100	.049	.014	.096	.048	.014	.093	.047	.013		

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.171	.158	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016		
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011		
4.0	.131	.099	.074	.113	.085	.064	.077	.060	.045	.045	.035	.027	.014	.011	.009		
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.038	.042	.031	.022	.013	.010	.007		
6.0	.114	.078	.052	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006		
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005		
8.0	.100	.063	.038	.086	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005		
9.0	.095	.058	.033	.082	.050	.029	.057	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.090	.053	.029	.077	.046	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004		

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Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:24.3%
Test Distance:1.900m [K=0.6268]
Remarks:

UGR(Unified Glare Rating) Table

NAME: MR16-5.5-827-35D-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		17.3	18.1	17.5	18.3	18.5	17.6	18.5	17.8	18.6	18.8
3H		18.0	18.8	18.2	19.0	19.2	18.4	19.2	18.6	19.4	19.6
4H		18.3	19.0	18.5	19.2	19.5	18.7	19.5	19.0	19.7	19.9
6H		18.5	19.2	18.8	19.4	19.7	19.0	19.7	19.3	20.0	20.2
8H		18.5	19.2	18.8	19.5	19.7	19.1	19.8	19.4	20.1	20.3
12H		18.6	19.2	18.9	19.5	19.8	19.2	19.9	19.5	20.1	20.4
4H 2H		17.6	18.4	17.9	18.6	18.8	17.9	18.6	18.2	18.9	19.1
3H		18.5	19.1	18.8	19.4	19.7	18.8	19.5	19.1	19.8	20.0
4H		18.9	19.5	19.2	19.8	20.1	19.3	19.9	19.6	20.2	20.5
6H		19.2	19.7	19.6	20.1	20.4	19.7	20.2	20.1	20.6	20.9
8H		19.3	19.8	19.7	20.2	20.5	19.9	20.4	20.2	20.7	21.1
12H		19.4	19.8	19.8	20.2	20.6	20.0	20.5	20.4	20.8	21.2
8H 4H		19.0	19.5	19.4	19.9	20.2	19.4	19.9	19.8	20.3	20.6
6H		19.5	19.9	19.9	20.3	20.7	19.9	20.3	20.4	20.7	21.2
8H		19.7	20.0	20.1	20.5	20.9	20.2	20.6	20.6	21.0	21.4
12H		19.8	20.1	20.3	20.6	21.0	20.4	20.7	20.9	21.2	21.6
12H 4H		19.0	19.5	19.4	19.8	20.2	19.4	19.8	19.8	20.2	20.6
6H		19.5	19.9	20.0	20.3	20.7	20.0	20.3	20.4	20.7	21.2
8H		19.7	20.1	20.2	20.5	21.0	20.2	20.6	20.7	21.0	21.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.5					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H		+ 0.7 / - 0.7					+ 0.6 / - 0.7				

CIE Pub.117, 467.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.6)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2020-04-09

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=0.6268]
Remarks:

UTILIZATION FACTORS TABLE

NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

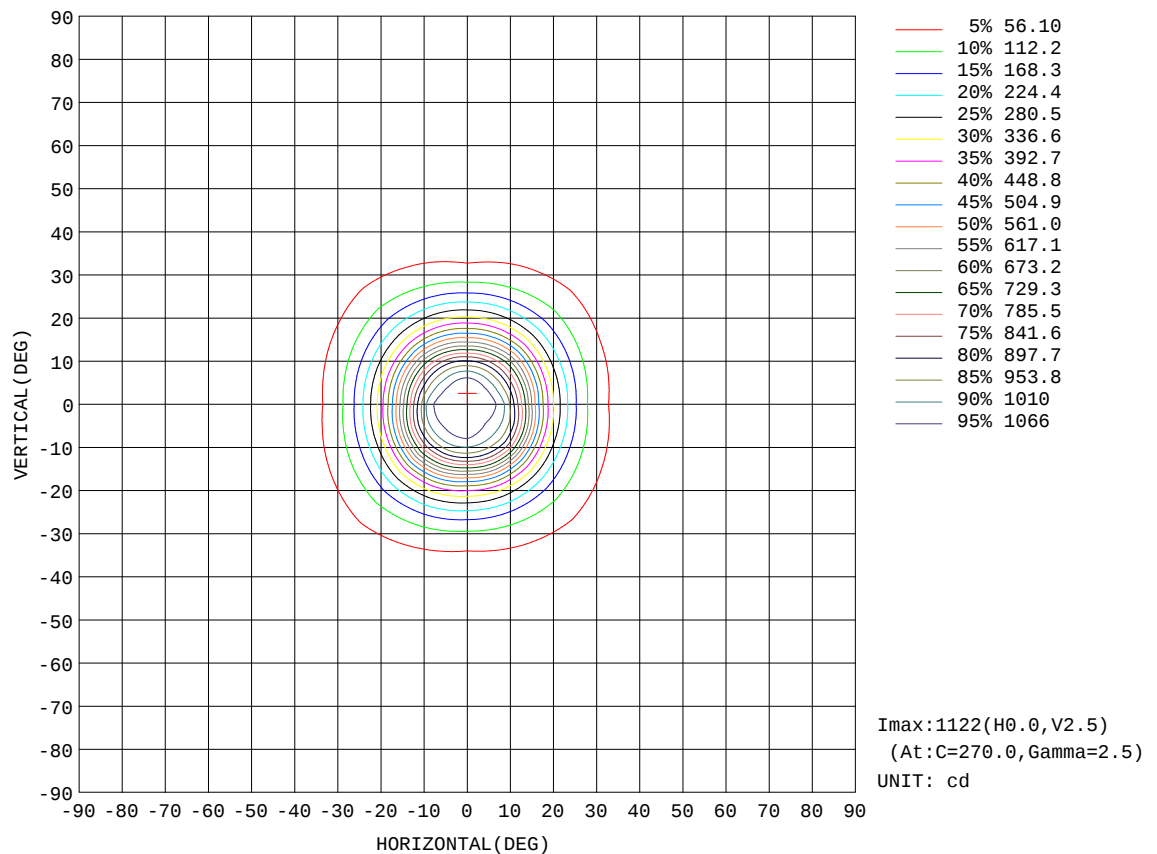
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	84	77	73	83	77	73	83	76	73	69
0.80	92	85	81	91	85	81	90	84	80	76
1.00	97	90	86	96	90	86	94	90	85	81
1.25	101	95	91	100	94	91	98	93	90	85
1.50	104	98	95	103	98	94	100	96	93	88
2.00	107	102	99	105	101	98	103	99	96	91
2.50	109	105	101	107	103	100	104	101	99	92
3.00	111	107	104	109	105	103	105	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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: 25.1DEG
Operators:
Test Date: 2020-04-09

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=0.6268]
Remarks:

ISOCANDELA DIAGRAM

NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

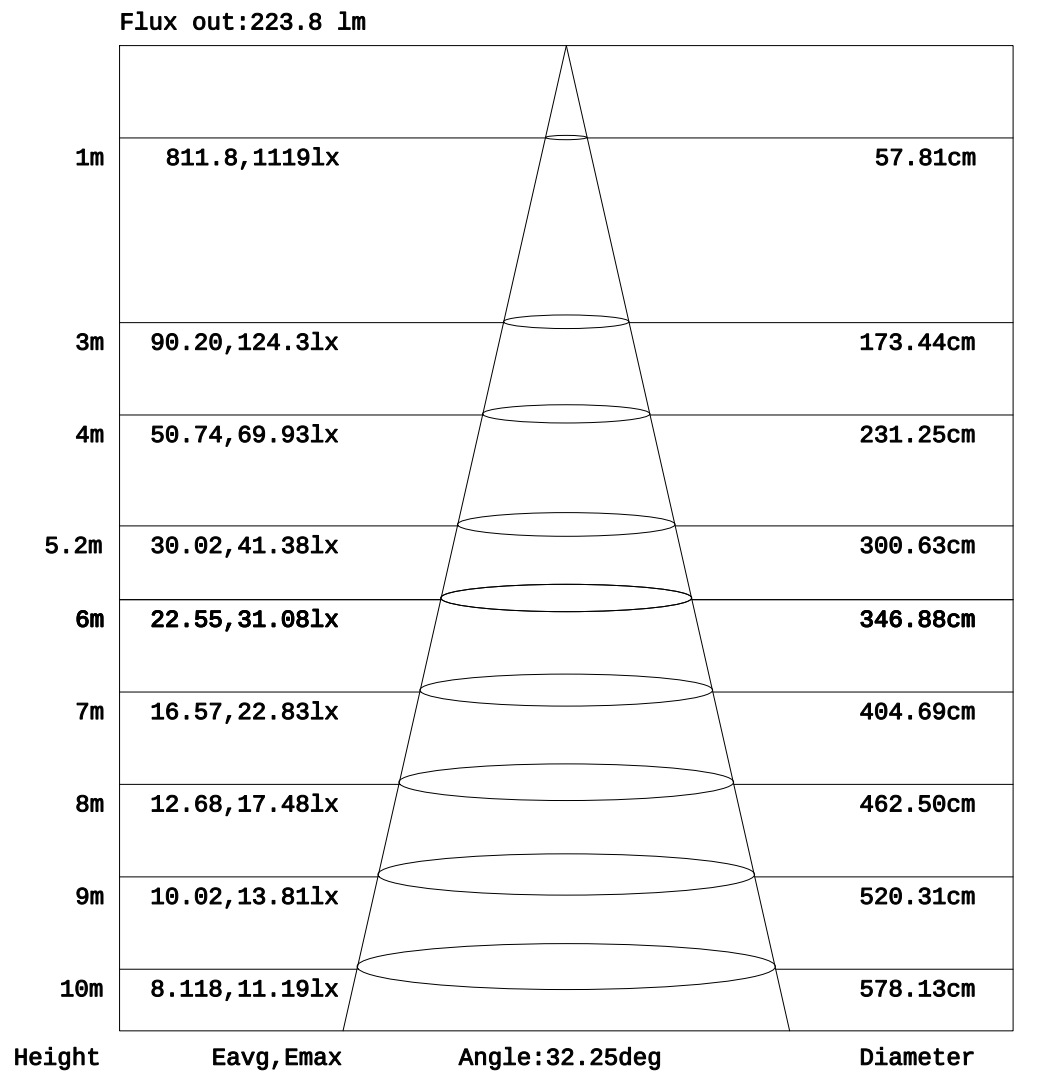


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6268]
Remarks:

AAI Figure

NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



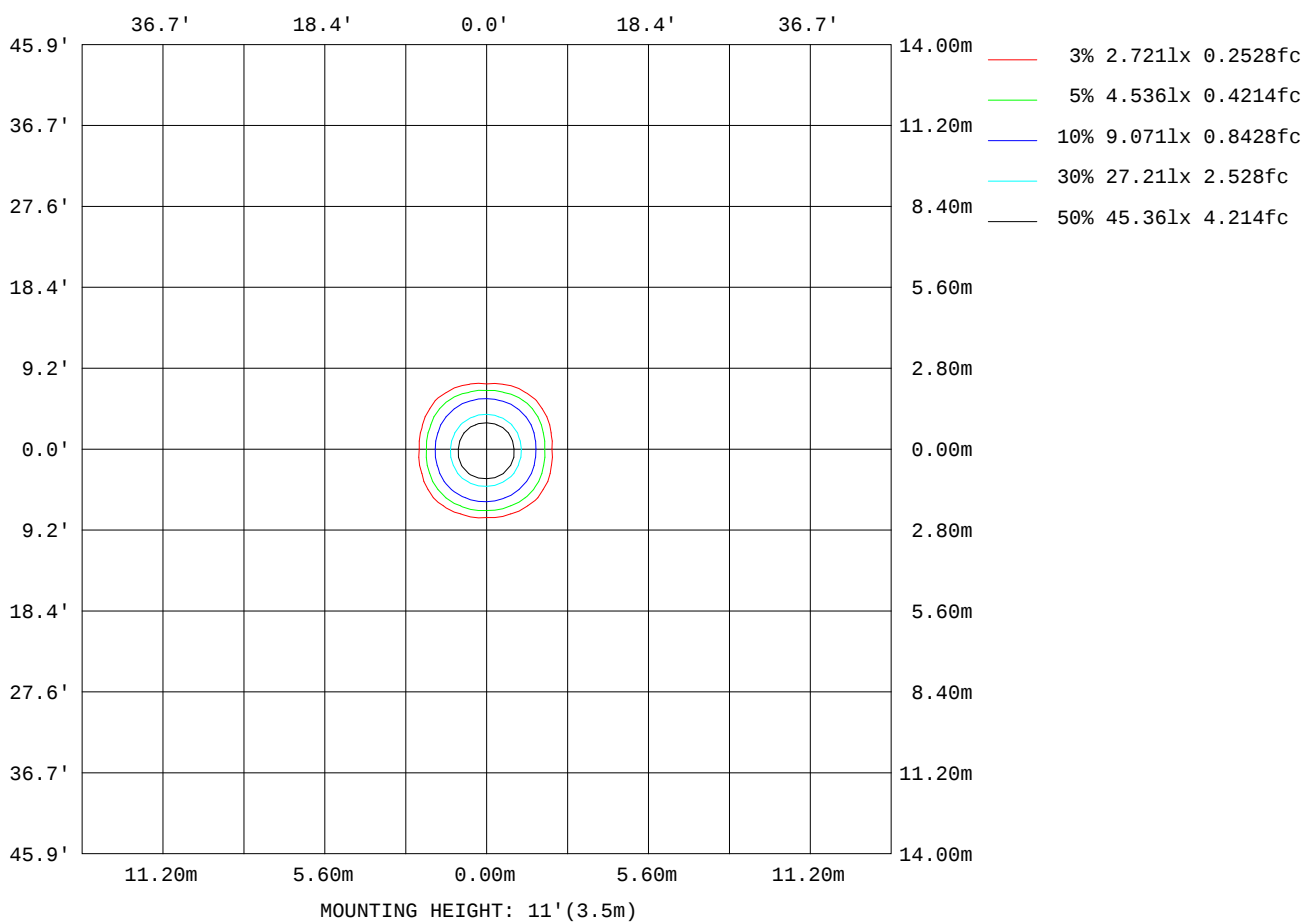
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators:
 Test Date: 2020-04-09

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=0.6268]
 Remarks:

ISOLUX DIAGRAM

NAME: MR16-5.5-827-35D-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: 25.1DEG
Operators:
Test Date: 2020-04-09

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=0.6268]
Remarks:

LED Avg.L Report

NAME: MR16-5.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

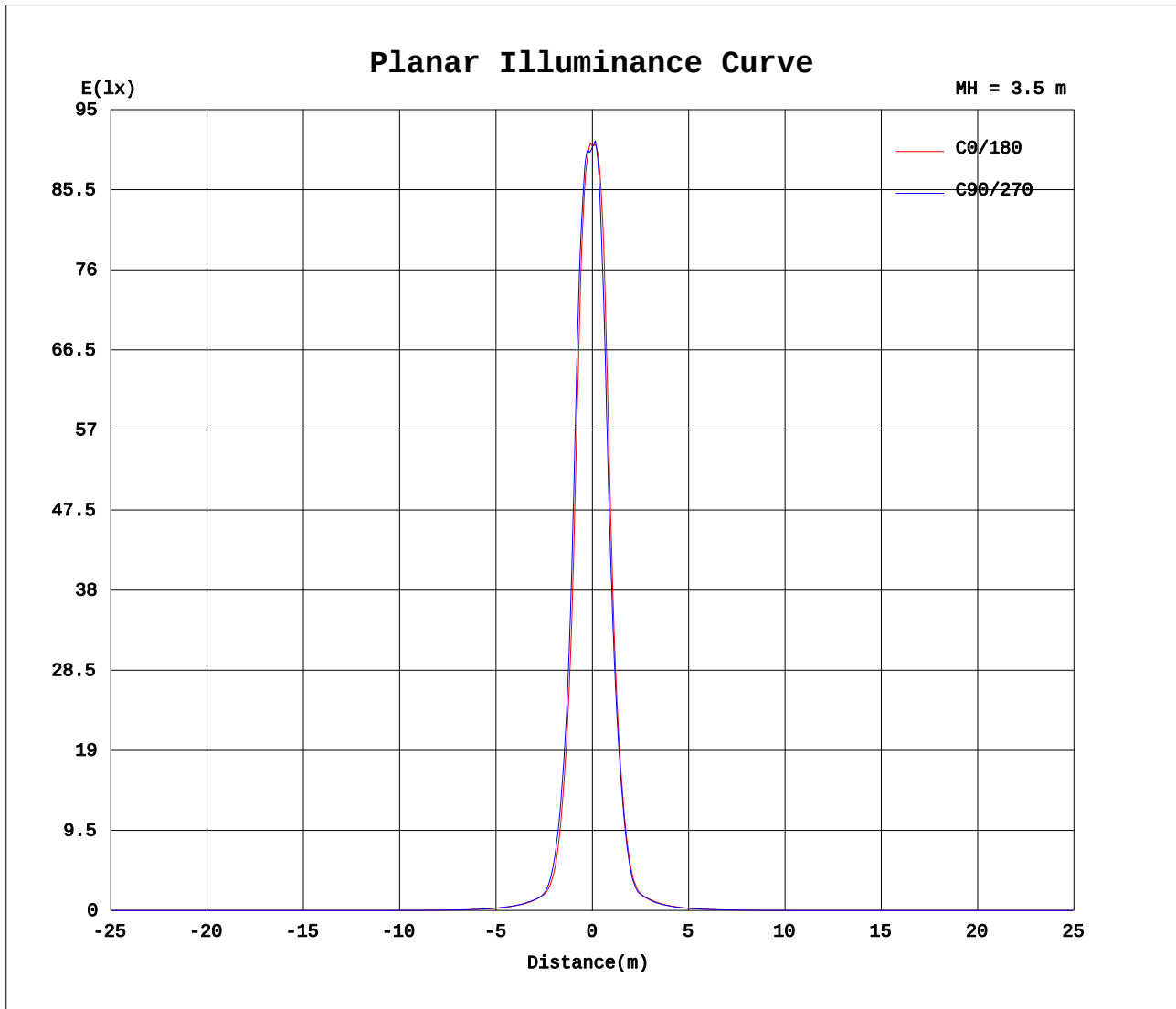
AvgL	cd/m2
L_0~180(65)av	4724
L_0~180(75)av	3463
L_0~180(85)av	2910
L_90~270(65)av	4734
L_90~270(75)av	3671
L_90~270(85)av	3067
L_45(65)av	4469
L_45(75)av	3659
L_45(85)av	2979

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2020-04-09

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=0.6268]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
Test Date: 2020-04-09

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=0.6268]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MR16-5.5-827-35D-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	1111	1111	1111	1110	1109	1109	1108	1108	1111	1111	1111	1110	1109	1109	1108	1108			
5	1095	1087	1086	1096	1111	1107	1101	1104	1108	1095	1086	1090	1094	1088	1078	1082			
10	945	977	991	1000	1008	1014	1011	1006	986	943	927	915	900	902	907	917			
15	612	673	727	724	709	739	751	710	654	642	637	607	584	596	619	612			
20	337	356	389	398	395	419	429	397	371	372	368	356	345	347	353	341			
25	175	185	203	213	215	231	233	214	200	203	207	198	189	191	194	184			
30	80.8	94.5	110	107	102	114	123	109	91.8	102	111	96.3	83.0	93.6	103	92.1			
35	46.0	52.0	59.3	55.0	49.9	57.0	64.5	55.9	47.7	52.5	59.8	51.9	45.5	51.1	56.2	49.7			
40	36.4	39.7	42.0	38.7	36.5	39.7	42.5	40.0	38.2	40.2	41.7	38.3	36.2	37.8	39.7	38.4			
45	28.7	31.3	34.3	31.4	30.4	31.8	35.2	32.9	30.2	32.6	35.0	31.1	28.1	30.8	33.1	30.7			
50	23.6	24.6	26.5	25.6	24.5	25.8	26.6	25.5	23.8	25.2	25.1	23.3	22.3	23.2	23.8	23.8			
55	18.4	18.1	18.6	19.0	19.7	19.1	18.4	18.6	18.8	18.7	17.9	17.7	17.6	17.5	17.1	17.8			
60	13.7	13.4	13.2	14.2	15.1	14.3	13.2	13.7	14.7	13.9	12.7	13.2	13.2	12.8	12.2	12.9			
65	9.50	9.54	9.50	10.1	10.4	10.1	9.73	9.78	10.3	9.84	9.33	9.43	9.43	9.13	8.92	9.21			
70	6.39	6.75	7.01	7.26	7.33	7.26	7.14	7.04	6.89	6.81	6.72	6.61	6.58	6.41	6.42	6.47			
75	4.32	4.67	4.95	5.06	5.11	5.12	5.02	4.89	4.57	4.53	4.50	4.36	4.31	4.27	4.32	4.35			
80	2.68	2.97	3.18	3.30	3.37	3.38	3.26	3.14	2.87	2.71	2.58	2.47	2.41	2.42	2.49	2.56			
85	1.20	1.42	1.57	1.69	1.79	1.77	1.65	1.50	1.31	1.15	1.00	0.91	0.87	0.88	0.93	1.03			
90	0.02	0.22	0.41	0.46	0.52	0.51	0.43	0.29	0.09	0.04	0.03	0.02	0.01	0.01	0.01	0.01			
95	0.00	0.00	0.01	0.02	0.03	0.05	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	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			
110	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			
115	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			
120	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			
125	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			
130	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			
135	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
140	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
145	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02			
150	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
155	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06			
160	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11			
165	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14			
170	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12			
175	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	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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