

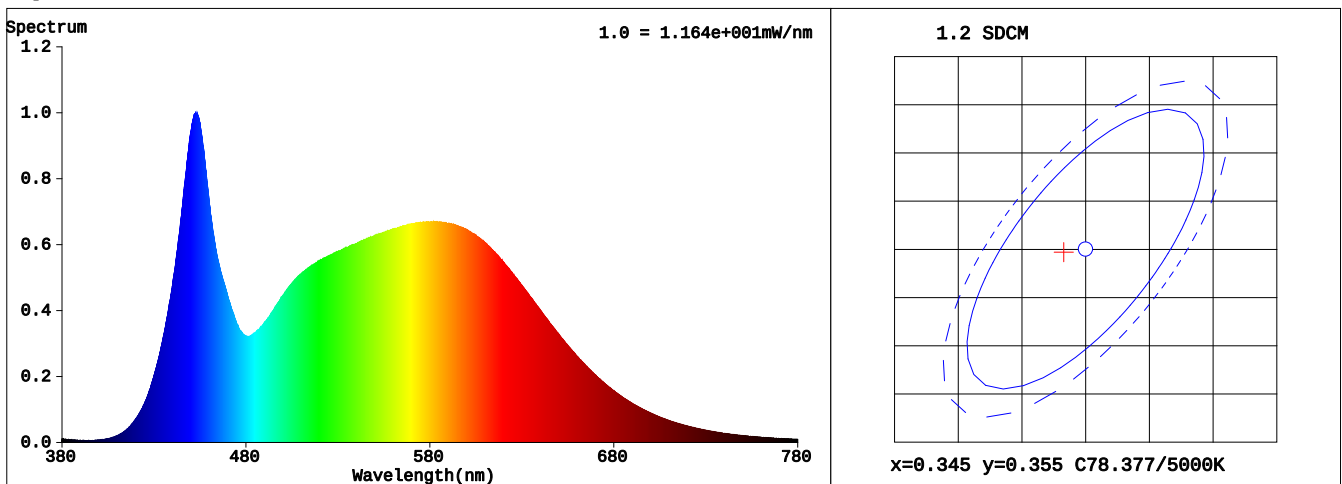
Spectrum Test Report

Sample	: MR16-5.5-850-35D-DIM	Date	: 2020-04-08 10:57:34
Specification	:	Sam. Status	:
Sample No.	:	Standard	: LM-79-80
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	:
Device SN	:		

Test Condition

Temperature	: 24.9Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 52891 (81%)
Test Mode	: Fast Test	T	: 472 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3429$ $y = 0.3548$ / $u' = 0.2087$ $v' = 0.4859$ ($duv=2.45e-03$)

CCT= 5094K Prcp WL: Ld=568.9nm Purity=9.3%

Peak WL: Lp=453nm FWHM: =26.6nm Ratio:R=15.7% G=79.3% B=5.0%

Render Index: Ra = 84.9

EEL: 0.12082 A+

R1 =83 R2 =90 R3 =94 R4 =84 R5 =84 R6 =86 R7 =88
R8 =69 R9 =15 R10=76 R11=84 R12=67 R13=85 R14=97 R15=78
LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

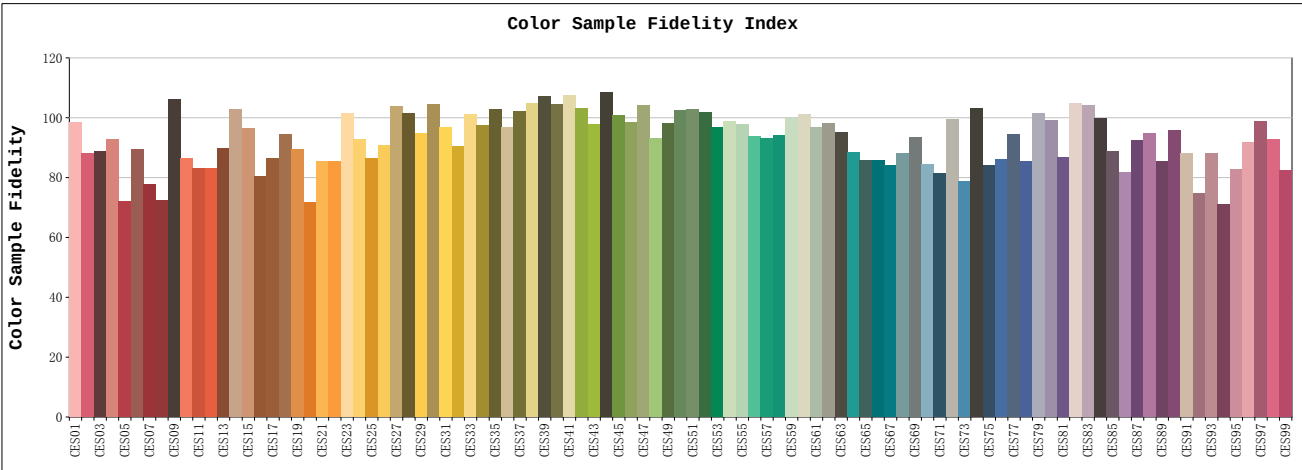
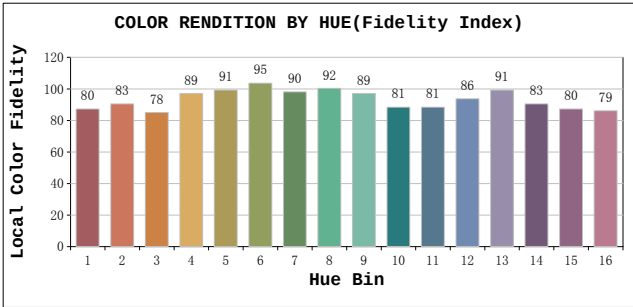
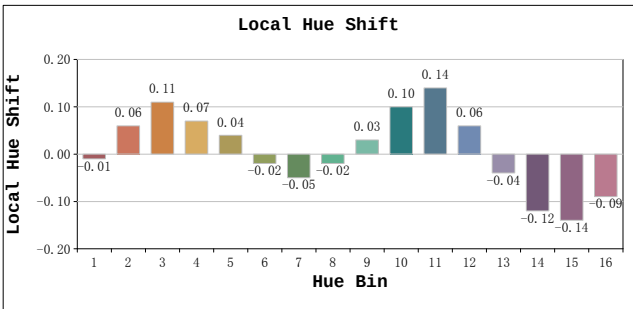
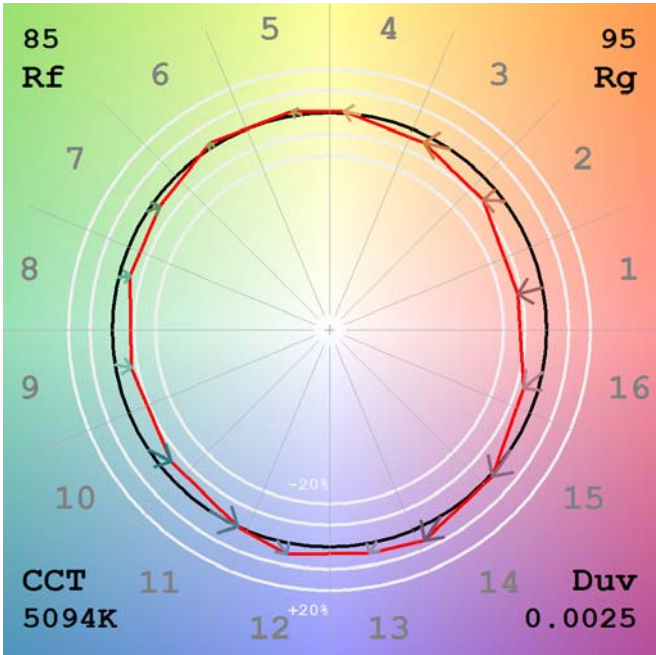
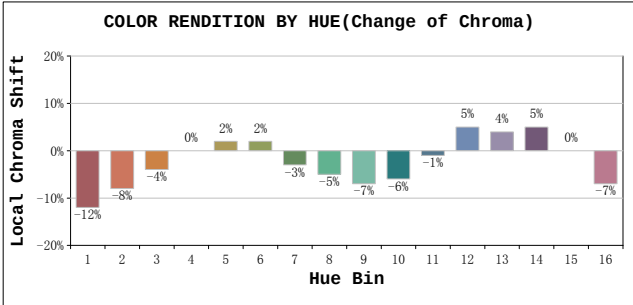
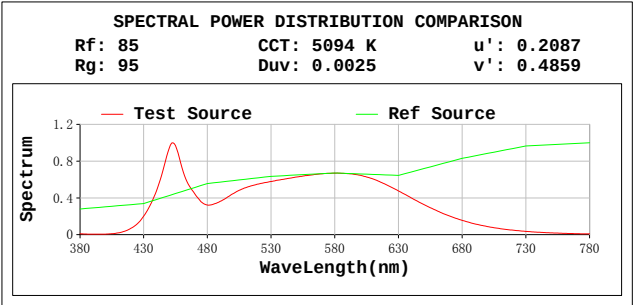
Flux = 499.11 lm Eff. : 93.64 lm/W Fe = 1.5832 W

Flux of emitted photons($\mu\text{mol/s}$):7.2825 Fluo. and blue light ratio:3.402 Fluorescent eff.:213.6

Electrical parameters

V = 12.15 V I = 0.4716 A P = 5.330 W PF = 0.9302

TM30

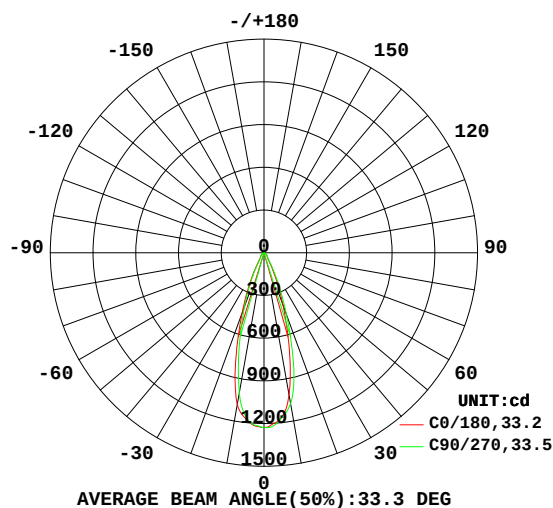


LUMINAIRE PHOTOMETRIC TEST REPORT

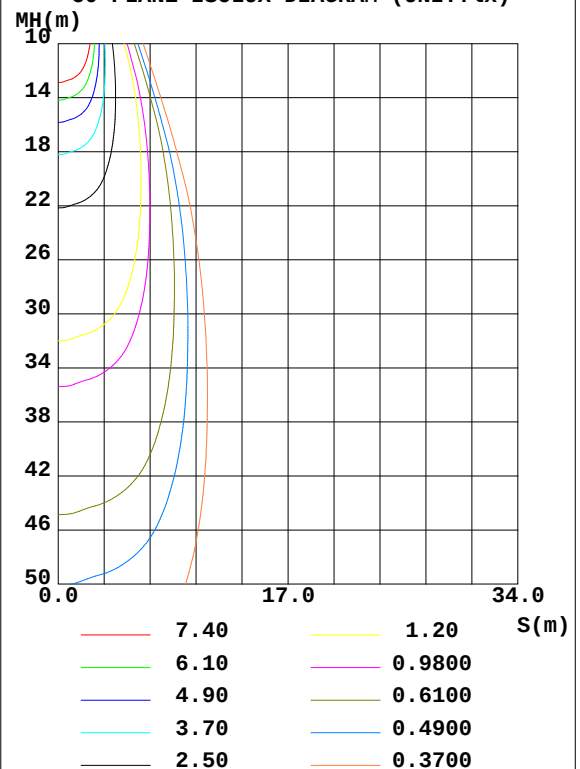
NAME: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.19 lm/W			
MODEL	MR16	Imax(cd)	1231	S/MH(C0/180)	0.56
NOMINAL POWER(W)	5.5	LOR(%)	100.0	S/MH(C90/270)	0.53
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	514.98	η UP, DN(C0-180)	0.0, 51.7
NOMINAL FLUX(lm)	514.978	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	12	η down(%)	100.0	CIBSE SHR MAX	0.60

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

ZONAL FLUX DIAGRAM:

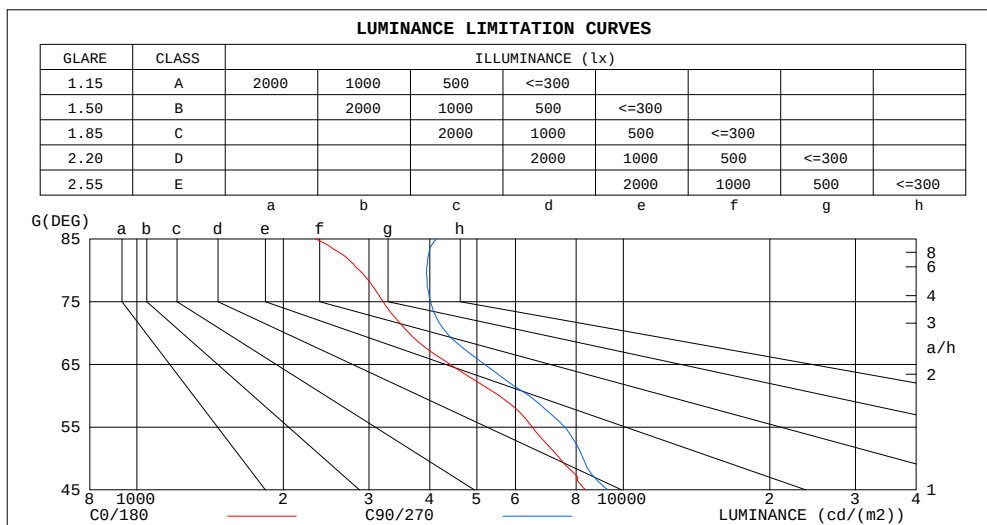
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	1183	1175	1189	1197	1195	1185	1188	1173	0- 5	28.86	28.86	5.6,5.6
10	1015	1042	1075	1084	1082	1029	998.6	980.2	5- 10	79.79	108.6	21.1,21.1
15	682.0	781.9	800.4	847.3	762.7	740.1	670.4	699.5	10- 15	105.9	214.6	41.7,41.7
20	391.4	457.9	462.3	521.5	448.9	437.0	399.2	425.8	15- 20	96.10	310.7	60.3,60.3
25	196.3	238.7	240.2	275.0	236.1	233.3	208.6	228.0	20- 25	68.44	379.1	73.6,73.6
30	83.05	111.5	104.4	133.8	102.9	116.5	87.63	111.3	25- 30	40.72	419.8	81.5,81.5
35	47.17	58.00	50.97	64.63	50.38	58.62	44.85	56.12	30- 35	22.02	441.9	85.8,85.8
40	37.55	43.65	39.95	43.26	39.59	41.51	36.18	40.19	35- 40	15.09	456.9	88.7,88.7
45	29.32	35.72	32.64	36.95	32.06	34.70	27.68	32.92	40- 45	13.48	470.4	91.3,91.3
50	23.60	26.91	26.37	28.82	24.94	24.53	21.41	23.29	45- 50	11.61	482.0	93.6,93.6
55	18.50	18.80	21.57	19.49	19.22	17.01	17.31	16.24	50- 55	9.347	491.4	95.4,95.4
60	13.78	13.60	15.88	13.68	14.62	12.32	13.05	11.66	55- 60	7.363	498.7	96.8,96.8
65	9.230	10.06	10.87	10.16	10.28	9.175	9.023	8.553	60- 65	5.602	504.3	97.9,97.9
70	6.154	7.091	7.358	7.513	6.978	6.595	6.128	6.196	65- 70	4.128	508.5	98.7,98.7
75	4.119	4.887	5.157	5.435	4.707	4.444	3.994	4.109	70- 75	2.954	511.4	99.3,99.3
80	2.470	3.062	3.394	3.525	2.977	2.601	2.256	2.342	75- 80	1.985	513.4	99.7,99.7
85	1.008	1.444	1.783	1.799	1.359	0.9685	0.7533	0.8088	80- 85	1.097	514.5	99.9,99.9
90	0.0155	0.2879	0.4562	0.4318	0.1598	0.0023	0.0021	0.0019	85- 90	0.3477	514.9	100,100
95	0.0023	0.0029	0.0031	0.0022	0.0019	0.0021	0.0023	0.0022	90- 95	0.0152	514.9	100,100
100	0.0027	0.0024	0.0025	0.0021	0.0023	0.0023	0.0024	0.0025	95-100	0.0013	514.9	100,100
105	0.0027	0.0025	0.0025	0.0025	0.0025	0.0027	0.0029	0.0028	100-105	0.0013	514.9	100,100
110	0.0029	0.0027	0.0026	0.0026	0.0030	0.0031	0.0032	0.0032	105-110	0.0015	514.9	100,100
115	0.0040	0.0037	0.0041	0.0032	0.0032	0.0033	0.0034	0.0032	110-115	0.0016	514.9	100,100
120	0.0042	0.0040	0.0041	0.0039	0.0032	0.0033	0.0036	0.0033	115-120	0.0018	514.9	100,100
125	0.0042	0.0041	0.0041	0.0041	0.0037	0.0039	0.0041	0.0040	120-125	0.0018	514.9	100,100
130	0.0042	0.0042	0.0041	0.0041	0.0043	0.0047	0.0048	0.0048	125-130	0.0018	514.9	100,100
135	0.0048	0.0050	0.0048	0.0046	0.0060	0.0067	0.0063	0.0069	130-135	0.0020	514.9	100,100
140	0.0083	0.0088	0.0075	0.0084	0.0089	0.0100	0.0098	0.0109	135-140	0.0026	514.9	100,100
145	0.0170	0.0180	0.0151	0.0171	0.0148	0.0171	0.0170	0.0198	140-145	0.0042	514.9	100,100
150	0.0371	0.0371	0.0332	0.0357	0.0282	0.0316	0.0331	0.0377	145-150	0.0072	514.9	100,100
155	0.0744	0.0727	0.0669	0.0696	0.0573	0.0622	0.0668	0.0741	150-155	0.0124	514.9	100,100
160	0.1257	0.1206	0.1137	0.1151	0.1051	0.1100	0.1158	0.1254	155-160	0.0191	514.9	100,100
165	0.1612	0.1559	0.1513	0.1493	0.1466	0.1466	0.1483	0.1569	160-165	0.0225	515.0	100,100
170	0.1405	0.1416	0.1414	0.1389	0.1386	0.1337	0.1279	0.1285	165-170	0.0178	515.0	100,100
175	0.0893	0.0905	0.0927	0.0907	0.0836	0.0799	0.0733	0.0767	170-175	0.0082	515.0	100,100
180	0	0	0	0	0.0005	0.0005	0.0006	0.0006	175-180	0.0014	515.0	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: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2331	4124
80	2867	3941
75	3209	4018
70	3628	4337
65	4403	5186
60	5558	6404
55	6503	7582
50	7403	8270
45	8359	9308

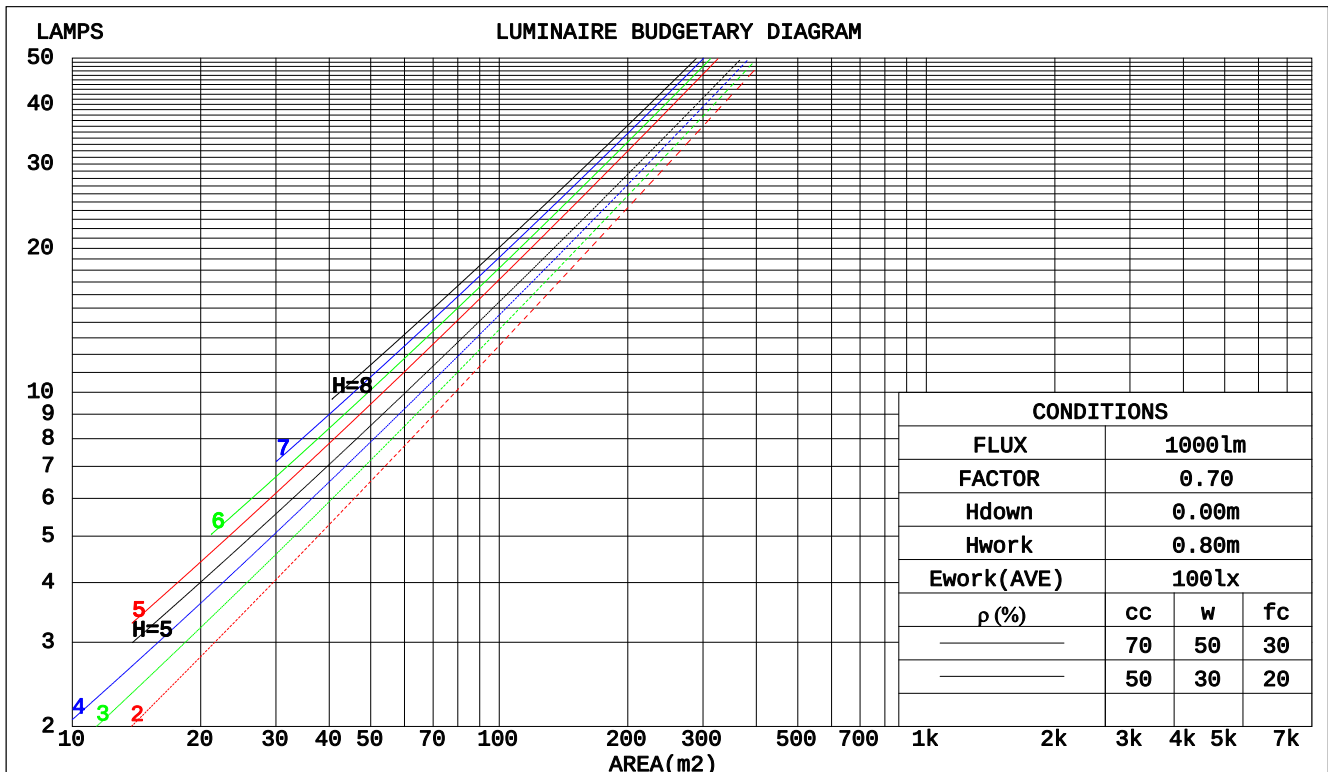
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators:
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γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6268]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MR16-5.5-850-35D-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	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.85	.83
4.0	.92	.87	.83	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.79
5.0	.88	.82	.78	.87	.82	.78	.85	.81	.77	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.73	.79	.75	.72	.71
7.0	.80	.74	.70	.79	.74	.70	.78	.73	.70	.77	.73	.70	.75	.72	.69	.68
8.0	.76	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.62
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.61	.68	.64	.61	.68	.64	.61	.60



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: MR16-5.5-850-35D-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	.173	.098	.031	.166	.095	.030	.153	.088	.028	.142	.082	.026	.131	.076	.025		
2.0	.162	.089	.027	.157	.086	.027	.146	.081	.025	.136	.077	.024	.127	.072	.023		
3.0	.152	.081	.024	.147	.079	.024	.138	.075	.023	.130	.071	.022	.122	.068	.021		
4.0	.143	.074	.022	.139	.073	.021	.131	.070	.021	.124	.067	.020	.117	.064	.019		
5.0	.134	.069	.020	.131	.067	.020	.124	.065	.019	.118	.062	.019	.112	.060	.018		
6.0	.127	.064	.018	.124	.063	.018	.118	.061	.018	.113	.059	.017	.108	.057	.017		
7.0	.120	.060	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.103	.054	.016		
8.0	.114	.056	.016	.112	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015		
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014		
10.0	.104	.050	.014	.102	.049	.014	.099	.048	.014	.095	.047	.013	.092	.046	.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	.087	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.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	.112	.085	.065	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.062	.104	.075	.054	.072	.053	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.070	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

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:

UGR(Unified Glare Rating) Table

NAME: MR16-5.5-850-35D-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		16.7	17.6	17.0	17.8	17.9	17.3	18.1	17.5	18.3	18.5
3H		17.4	18.2	17.6	18.4	18.6	18.0	18.8	18.2	19.0	19.2
4H		17.6	18.4	17.9	18.6	18.8	18.3	19.0	18.6	19.3	19.5
6H		17.8	18.5	18.1	18.7	19.0	18.6	19.3	18.8	19.5	19.7
8H		17.8	18.5	18.1	18.8	19.0	18.7	19.3	19.0	19.6	19.9
12H		17.9	18.5	18.2	18.8	19.1	18.7	19.4	19.1	19.7	19.9
4H 2H		17.1	17.8	17.4	18.0	18.3	17.5	18.3	17.8	18.5	18.7
3H		17.9	18.5	18.2	18.8	19.1	18.4	19.1	18.7	19.3	19.6
4H		18.2	18.8	18.6	19.1	19.4	18.8	19.4	19.2	19.7	20.0
6H		18.5	19.0	18.9	19.4	19.7	19.2	19.7	19.6	20.1	20.4
8H		18.6	19.1	19.0	19.4	19.8	19.4	19.9	19.7	20.2	20.6
12H		18.6	19.1	19.0	19.5	19.8	19.5	19.9	19.9	20.3	20.7
8H 4H		18.4	18.9	18.8	19.2	19.6	18.9	19.4	19.3	19.8	20.1
6H		18.8	19.2	19.2	19.6	20.0	19.4	19.8	19.8	20.2	20.6
8H		18.9	19.3	19.4	19.7	20.1	19.7	20.0	20.1	20.4	20.9
12H		19.0	19.3	19.5	19.8	20.2	19.9	20.2	20.3	20.6	21.1
12H 4H		18.4	18.8	18.8	19.2	19.6	18.9	19.4	19.3	19.7	20.1
6H		18.8	19.2	19.2	19.6	20.0	19.4	19.8	19.9	20.2	20.6
8H		19.0	19.3	19.4	19.7	20.2	19.7	20.0	20.2	20.4	20.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.6					+ 0.4 / - 0.5				
1.5H		+ 0.2 / - 0.4					+ 0.1 / - 0.2				
2.0H		+ 0.8 / - 0.7					+ 0.7 / - 0.7				

CIE Pub.117, 515.0 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -2.3$)

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: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

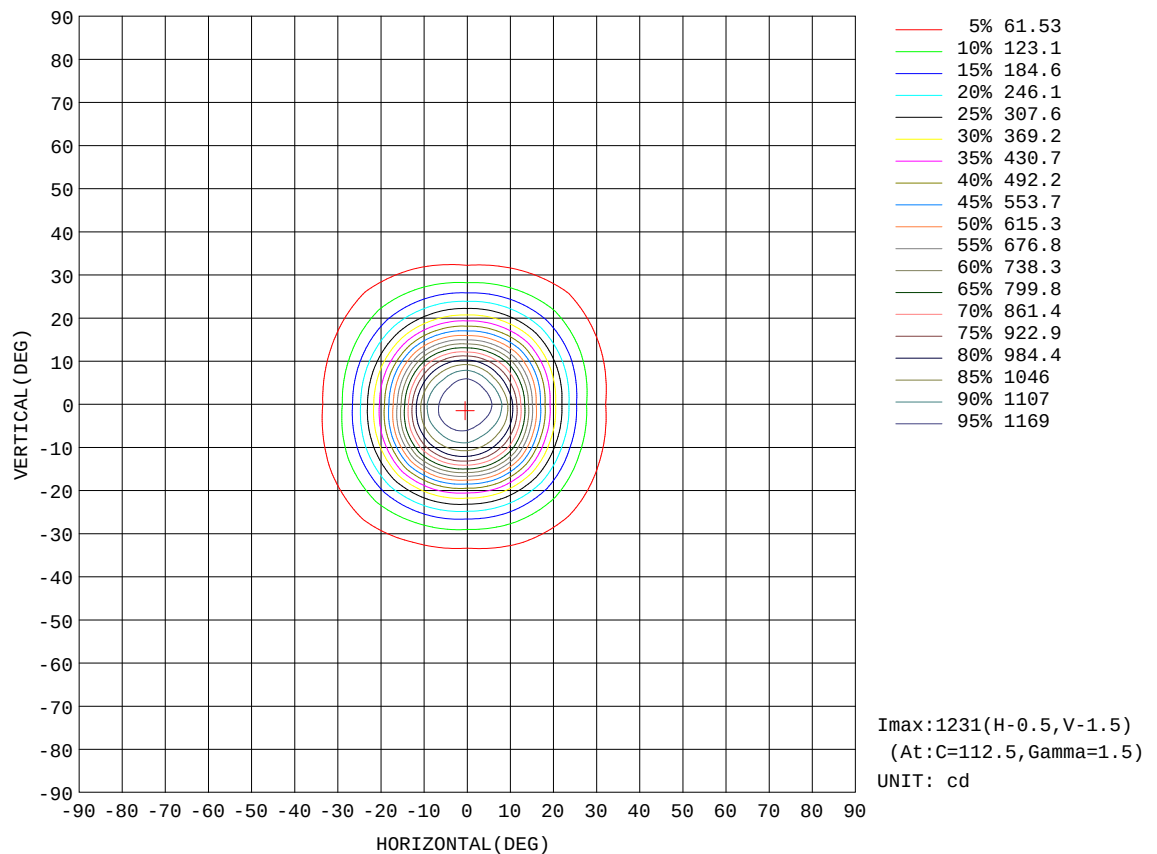
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	85	78	74	84	78	73	83	77	73	70
0.80	92	86	82	91	85	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	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: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

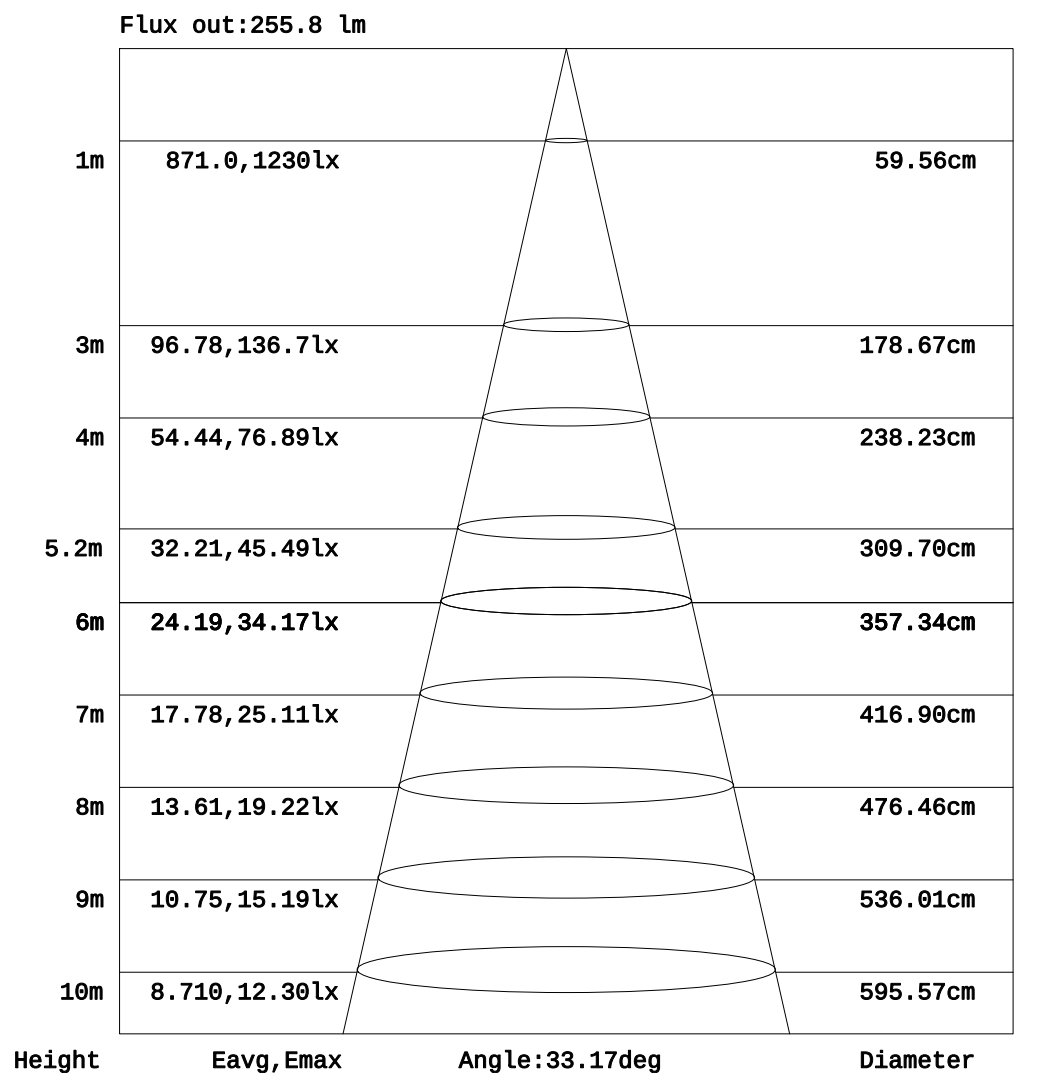


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:
Test Date:2020-04-09

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:

AAI Figure

NAME: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



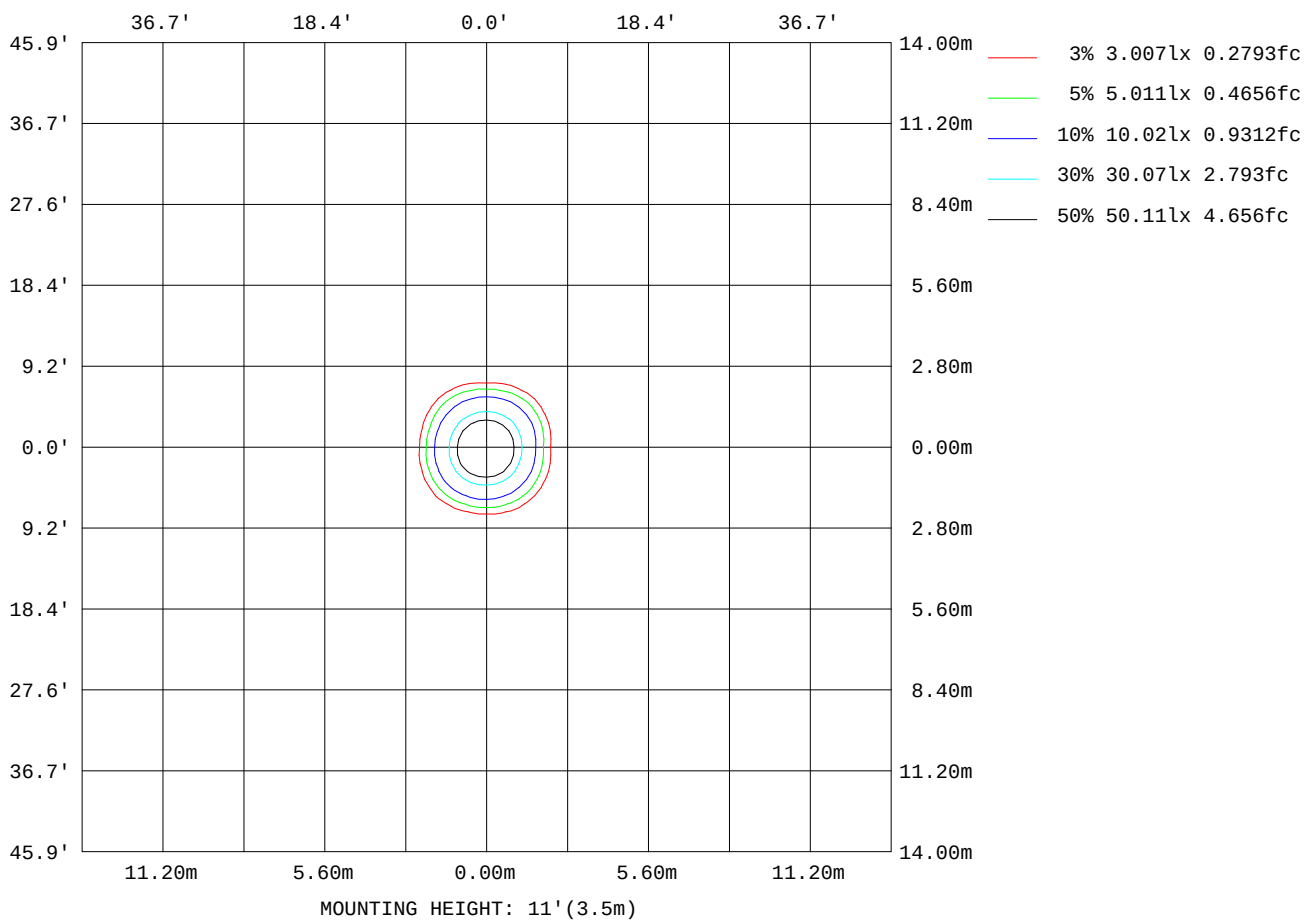
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: MR16-5.5-850-35D-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: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

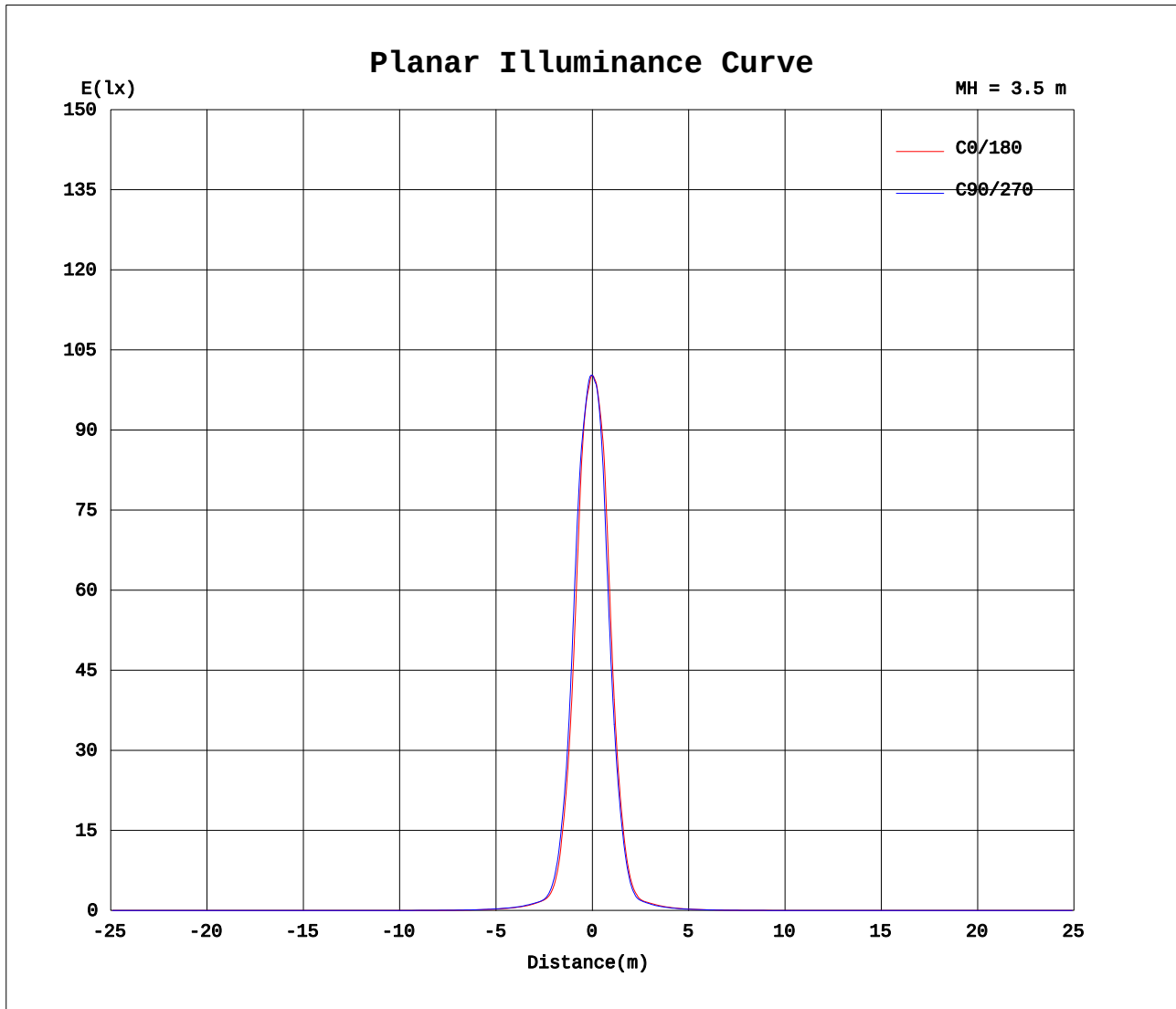
AvgL	cd/m2
L_0~180(65)av	4653
L_0~180(75)av	3438
L_0~180(85)av	2738
L_90~270(65)av	4745
L_90~270(75)av	3564
L_90~270(85)av	2933
L_45(65)av	4526
L_45(75)av	3676
L_45(85)av	2903

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: MR16-5.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

Table--1

UNIT: cd

C(°) γ (°)	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	1228	1228	1228	1228	1229	1229	1229	1228	1228	1228	1228	1228	1229	1229	1229	1228			
5	1183	1178	1175	1179	1189	1198	1197	1199	1195	1189	1185	1188	1188	1181	1173	1178			
10	1015	1034	1042	1057	1075	1084	1084	1091	1082	1054	1029	1013	999	989	980	986			
15	682	725	782	797	800	826	847	817	763	749	740	701	670	681	699	690			
20	391	415	458	468	462	495	521	488	449	446	437	413	399	409	426	411			
25	196	209	239	242	240	261	275	262	236	234	233	220	209	219	228	217			
30	83.0	94.1	111	112	104	117	134	125	103	108	117	103	87.6	98.2	111	99.3			
35	47.2	52.3	58.0	56.5	51.0	55.4	64.6	59.9	50.4	53.0	58.6	50.1	44.8	49.3	56.1	50.3			
40	37.5	40.8	43.7	42.4	39.9	40.8	43.3	42.3	39.6	40.4	41.5	38.8	36.2	37.7	40.2	38.7			
45	29.3	32.5	35.7	34.4	32.6	34.2	36.9	34.3	32.1	32.4	34.7	31.5	27.7	30.1	32.9	30.9			
50	23.6	25.3	26.9	27.3	26.4	26.3	28.8	27.2	24.9	24.9	24.5	22.9	21.4	22.1	23.3	23.0			
55	18.5	18.9	18.8	20.2	21.6	19.9	19.5	19.6	19.2	18.4	17.0	17.0	17.3	16.6	16.2	17.3			
60	13.8	13.7	13.6	14.5	15.9	15.0	13.7	14.3	14.6	13.6	12.3	12.4	13.0	12.2	11.7	12.7			
65	9.23	9.56	10.1	10.3	10.9	11.0	10.2	10.4	10.3	9.63	9.17	8.92	9.02	8.72	8.55	9.07			
70	6.15	6.60	7.09	7.17	7.36	7.73	7.51	7.46	6.98	6.74	6.59	6.30	6.13	6.11	6.20	6.31			
75	4.12	4.48	4.89	5.03	5.16	5.44	5.43	5.27	4.71	4.53	4.44	4.16	3.99	4.01	4.11	4.16			
80	2.47	2.77	3.06	3.25	3.39	3.52	3.53	3.37	2.98	2.75	2.60	2.41	2.26	2.26	2.34	2.41			
85	1.01	1.22	1.44	1.64	1.78	1.84	1.80	1.64	1.36	1.13	0.97	0.84	0.75	0.75	0.81	0.89			
90	0.02	0.06	0.29	0.39	0.46	0.48	0.43	0.33	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00			
95	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			
100	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			
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	0.00	0.01	0.00	0.00	0.00	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	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
150	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04			
155	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07			
160	0.13	0.12	0.12	0.12	0.11	0.11	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13			
165	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16			
170	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13			
175	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08			
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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