

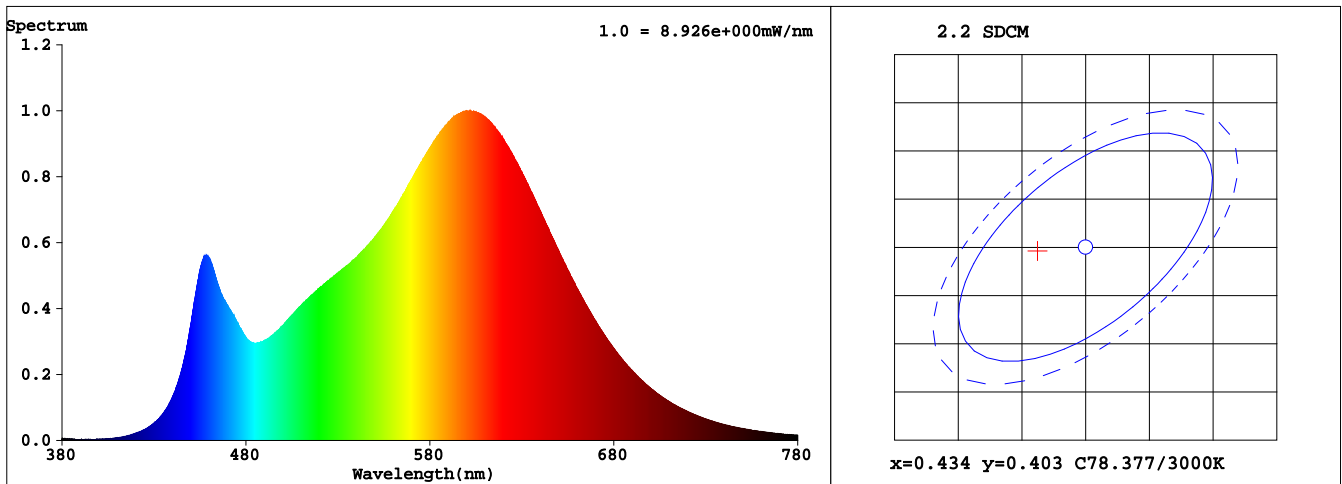
# Spectrum Test Report

Sample : MR16-5.5-827-25D-DIM Date : 2020-04-08 13:47:37  
Specification : Sam. Status :  
Sample No. : Standard : LM-79-80  
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)  
Remark : Test by :  
Device SN :

## Test Condition

Temperature : 24.8Deg RH : 30.1%  
WL Range : 380nm-780nm IP : 49961 (76%)  
Test Mode : Fast Test T : 400 ms  
Sensitivity : High

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4301$   $y = 0.4028$  /  $u' = 0.2467$   $v' = 0.5199$  ( $duv=4.80e-04$ )

CCT= 3108K Prcp WL: Ld=582.2nm Purity=50.0%

Peak WL: Lp=602nm FWHM: =128.0nm Ratio:R=22.3% G=74.4% B=3.3%

Render Index: Ra = 82.8

EEL: 0.12769 A+

R1 =82 R2 =94 R3 =93 R4 =79 R5 =82 R6 =93 R7 =81  
R8 =59 R9 =9 R10=86 R11=78 R12=73 R13=85 R14=97 R15=75

LEVEL:OUT WHITE:ANSI\_3000K

## Photometric & Radiometric Parameters

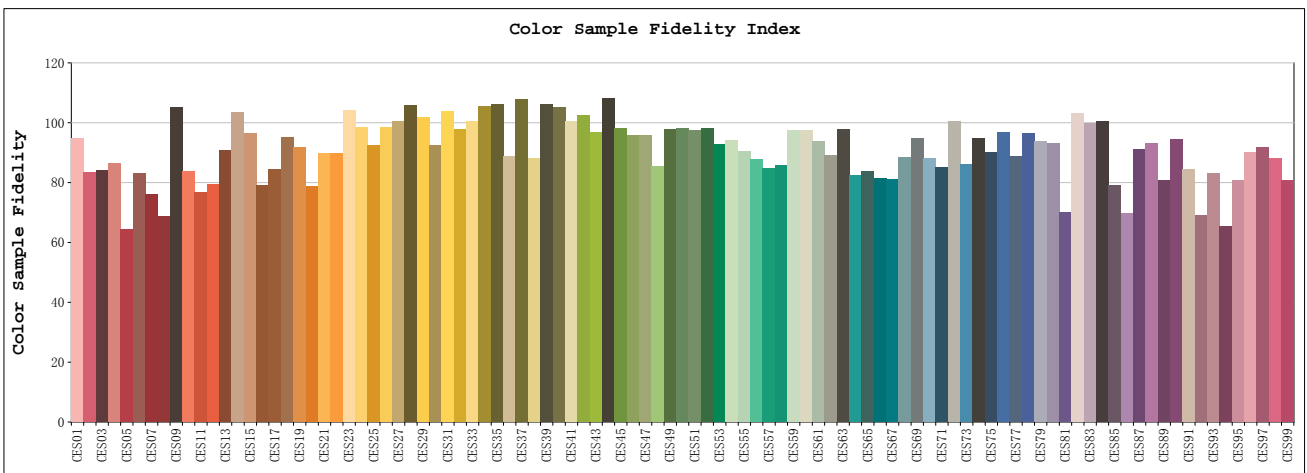
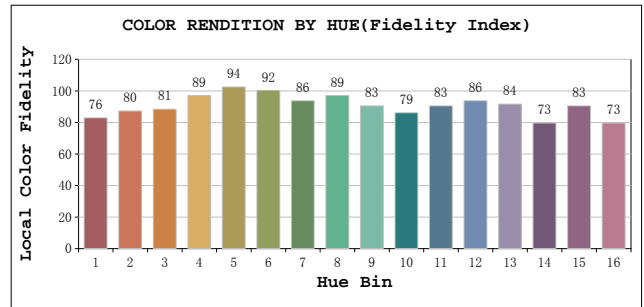
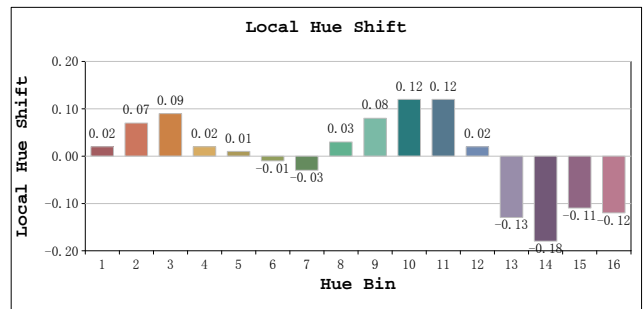
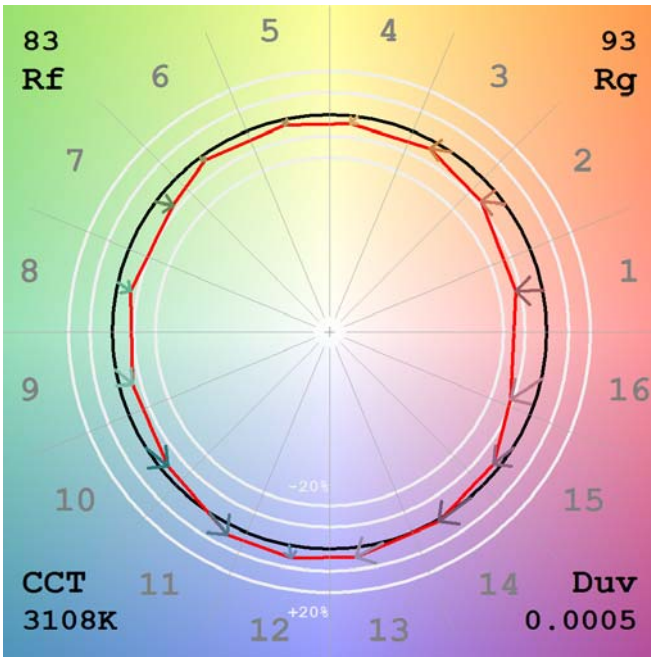
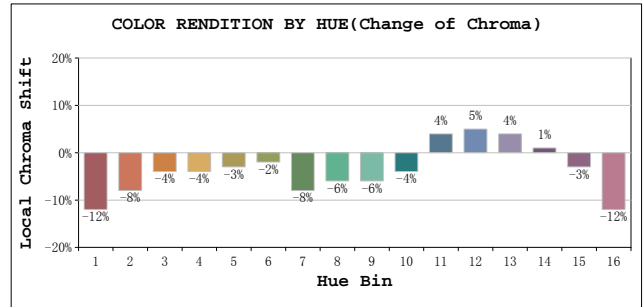
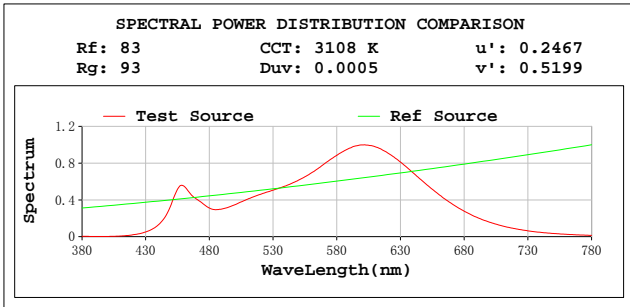
Flux = 443.37 lm Eff. : 86.26 lm/W Fe = 1.3580 W

Flux of emitted photons( $\mu\text{mol/s}$ ):6.5721 Fluo. and blue light ratio:7.211 Fluorescent eff.:216.2

## Electrical parameters

V = 12.14 V I = 0.4545 A P = 5.140 W PF = 0.9316

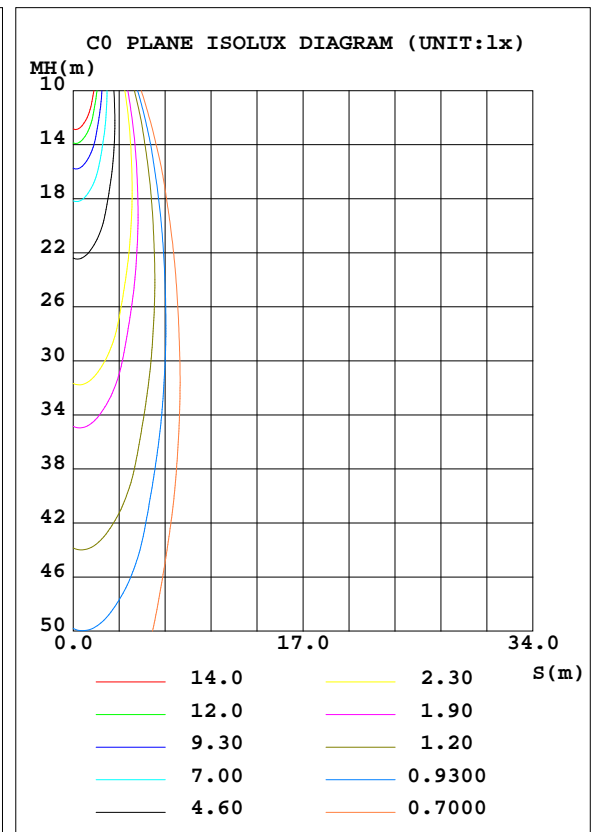
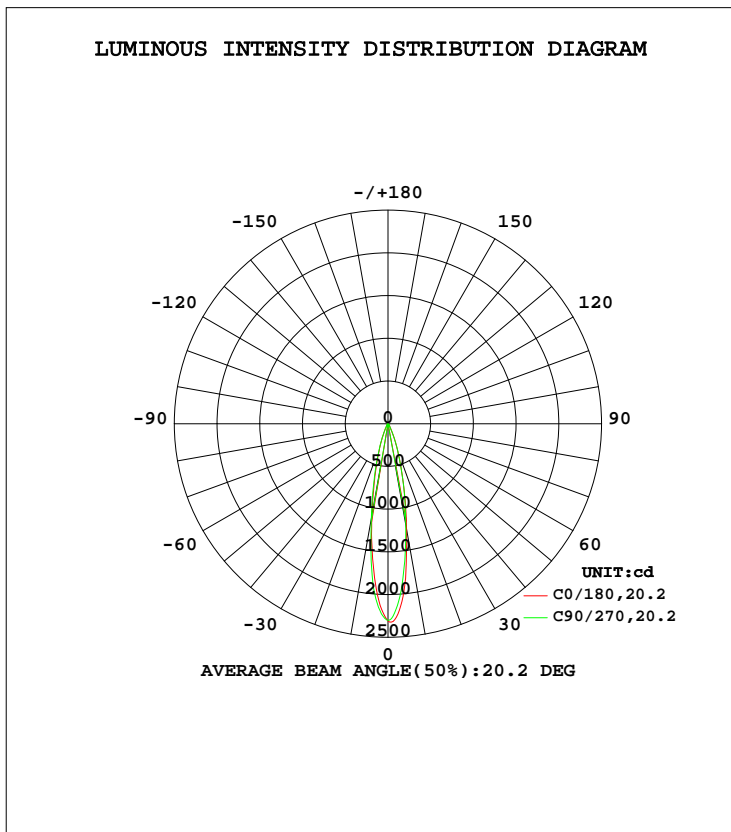
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	MR16	Imax(cd)	2322	S/MH(C0/180)	0.33
NOMINAL POWER(W)	5.5	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	456.88	η UP, DN(C0-180)	0.0, 51.7
NOMINAL FLUX(lm)	456.884	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	12	η down(%)	100.0	CIBSE SHR MAX	1.00



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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

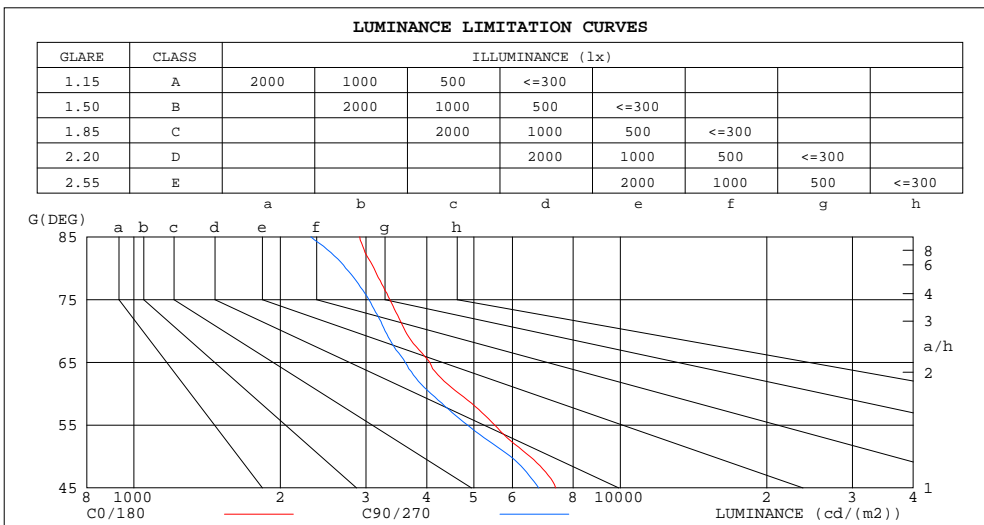
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	2030	1990	1892	1807	1809	1848	1934	2011	0- 5	50.13	50.13	11.11
10	1258	1252	1199	1141	1093	1098	1128	1224	5- 10	107.4	157.6	34.5,34.5
15	671.4	689.3	667.8	588.0	556.2	557.1	589.9	636.8	10- 15	101.9	259.4	56.8,56.8
20	324.7	338.5	324.7	281.0	261.3	258.1	274.5	296.7	15- 20	71.05	330.5	72.3,72.3
25	139.5	148.5	134.9	117.1	111.0	113.4	113.1	121.4	20- 25	41.61	372.1	81.4,81.4
30	55.80	63.12	55.09	51.04	47.39	51.84	50.50	53.81	25- 30	21.12	393.2	86.1,86.1
35	34.42	35.98	34.38	29.76	27.20	29.23	30.62	32.94	30- 35	11.73	404.9	88.6,88.6
40	29.69	29.77	28.28	22.91	21.09	22.46	24.93	27.46	35- 40	9.464	414.4	90.7,90.7
45	25.82	25.67	23.84	19.49	17.75	18.72	21.16	23.64	40- 45	8.833	423.2	92.6,92.6
50	20.77	20.87	18.97	15.80	14.57	15.35	17.54	19.25	45- 50	8.090	431.3	94.4,94.4
55	15.69	15.57	13.80	12.00	11.47	11.90	13.50	14.65	50- 55	6.792	438.1	95.9,95.9
60	11.58	11.41	10.12	9.173	8.923	9.323	10.16	10.76	55- 60	5.466	443.6	97.1,97.1
65	8.502	8.520	7.574	7.083	6.936	7.284	7.698	8.194	60- 65	4.339	447.9	98.98
70	6.126	6.143	5.571	5.324	5.173	5.468	5.670	6.098	65- 70	3.398	451.3	98.8,98.8
75	4.312	4.280	3.904	3.727	3.615	3.813	3.953	4.313	70- 75	2.534	453.8	99.3,99.3
80	2.684	2.608	2.346	2.203	2.140	2.280	2.402	2.665	75- 80	1.710	455.5	99.7,99.7
85	1.259	1.169	0.9994	0.9003	0.8614	0.9434	1.059	1.233	80- 85	0.9322	456.5	99.9,99.9
90	0.2220	0.1789	0.0370	0.0237	0.0187	0.0238	0.1259	0.2064	85- 90	0.2963	456.8	100,100
95	0.0024	0.0023	0.0022	0.0026	0.0022	0.0022	0.0024	0.0049	90- 95	0.0098	456.8	100,100
100	0.0023	0.0023	0.0022	0.0023	0.0025	0.0025	0.0023	0.0023	95-100	0.0013	456.8	100,100
105	0.0026	0.0026	0.0025	0.0024	0.0027	0.0028	0.0027	0.0026	100-105	0.0013	456.8	100,100
110	0.0027	0.0026	0.0026	0.0026	0.0030	0.0031	0.0030	0.0028	105-110	0.0014	456.8	100,100
115	0.0027	0.0027	0.0030	0.0035	0.0030	0.0032	0.0031	0.0030	110-115	0.0015	456.8	100,100
120	0.0030	0.0031	0.0039	0.0040	0.0033	0.0033	0.0032	0.0030	115-120	0.0015	456.8	100,100
125	0.0030	0.0032	0.0039	0.0041	0.0035	0.0036	0.0034	0.0032	120-125	0.0016	456.8	100,100
130	0.0030	0.0032	0.0038	0.0040	0.0042	0.0042	0.0040	0.0036	125-130	0.0016	456.8	100,100
135	0.0035	0.0033	0.0039	0.0040	0.0055	0.0055	0.0054	0.0049	130-135	0.0016	456.8	100,100
140	0.0057	0.0054	0.0055	0.0059	0.0074	0.0076	0.0074	0.0067	135-140	0.0020	456.8	100,100
145	0.0094	0.0097	0.0097	0.0104	0.0110	0.0116	0.0112	0.0103	140-145	0.0027	456.8	100,100
150	0.0198	0.0203	0.0205	0.0217	0.0210	0.0217	0.0211	0.0192	145-150	0.0043	456.8	100,100
155	0.0440	0.0443	0.0460	0.0491	0.0468	0.0478	0.0470	0.0427	150-155	0.0079	456.8	100,100
160	0.0880	0.0889	0.0932	0.0998	0.0995	0.1001	0.0985	0.0927	155-160	0.0142	456.8	100,100
165	0.1442	0.1467	0.1532	0.1617	0.1656	0.1621	0.1563	0.1522	160-165	0.0205	456.9	100,100
170	0.1724	0.1770	0.1838	0.1872	0.1898	0.1812	0.1679	0.1647	165-170	0.0203	456.9	100,100
175	0.1375	0.1371	0.1384	0.1334	0.1231	0.1170	0.1069	0.1145	170-175	0.0115	456.9	100,100
180	0	0	0	0	0.0005	0.0006	0.0004	0.0005	175-180	0.0021	456.9	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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:24.3%  
 Test Distance:1.900m [K=0.6268]  
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2913	2312
80	3117	2724
75	3359	3041
70	3611	3284
65	4056	3613
60	4668	4081
55	5516	4851
50	6516	5949
45	7361	6798

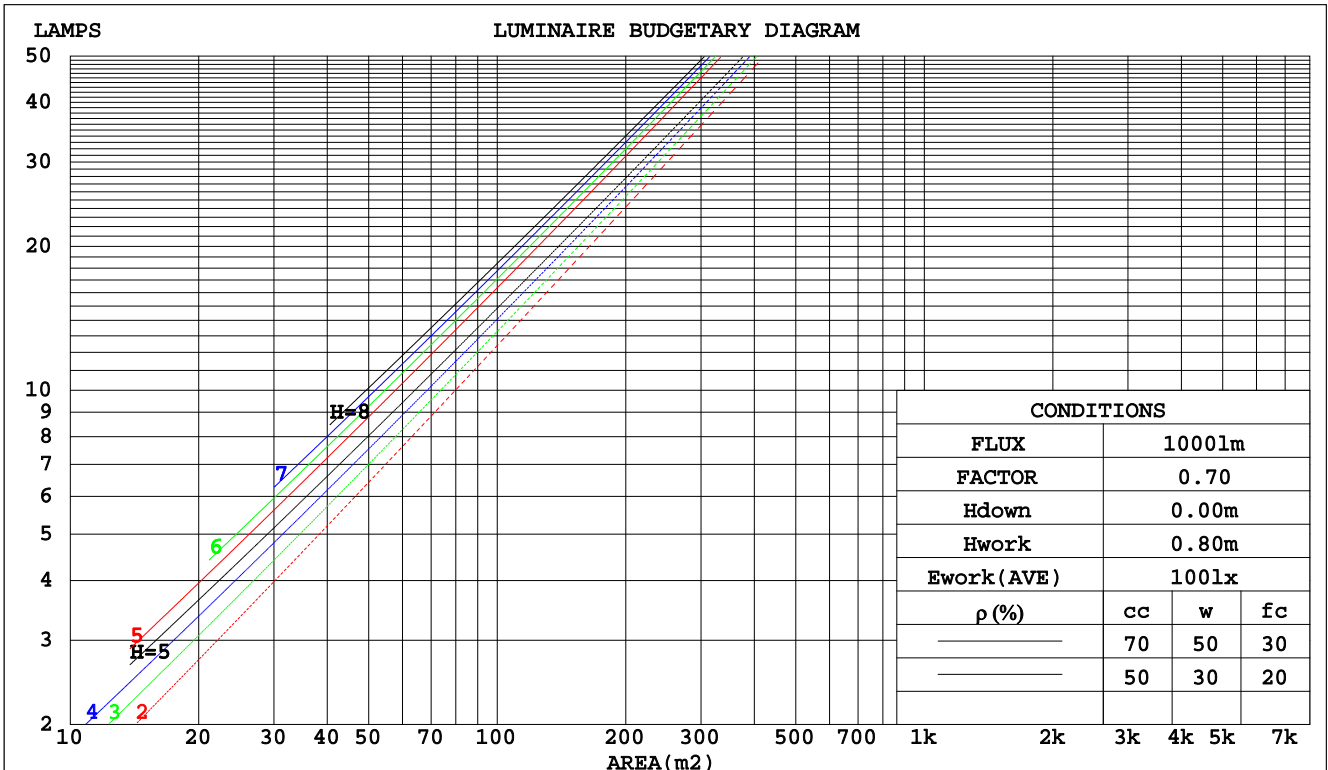
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4.0	.96	.91	.88	.95	.90	.87	.92	.89	.86	.91	.88	.85	.89	.86	.84	.83
5.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.74
8.0	.82	.77	.74	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
9.0	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.77	.73	.71	.70
10.0	.77	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.75	.71	.69	.68



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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

WEC AND CCEC

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.158	.090	.028	.151	.086	.027	.139	.079	.025	.127	.073	.024	.116	.067	.022	
2.0	.147	.080	.025	.141	.078	.024	.131	.073	.023	.121	.068	.021	.112	.063	.020	
3.0	.136	.073	.022	.132	.070	.021	.123	.067	.020	.115	.063	.019	.107	.059	.018	
4.0	.127	.066	.019	.123	.064	.019	.116	.061	.018	.109	.058	.018	.102	.056	.017	
5.0	.119	.061	.018	.116	.059	.017	.109	.057	.017	.103	.055	.016	.098	.052	.016	
6.0	.112	.056	.016	.109	.055	.016	.103	.053	.015	.098	.051	.015	.094	.049	.015	
7.0	.106	.052	.015	.103	.051	.015	.098	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.045	.013	.086	.044	.013	
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.013	.086	.043	.012	.083	.042	.012	
10.0	.091	.043	.012	.089	.043	.012	.086	.042	.012	.082	.041	.012	.079	.040	.011	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.114	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.077	.109	.085	.067	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.100	.075	.056	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.077	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
9.0	.088	.056	.035	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.031	.072	.045	.027	.050	.031	.019	.029	.019	.011	.009	.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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

UGR(Unified Glare Rating) Table

NAME: MR16-5.5-830-25D-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	16.1	16.9	16.4	17.0	17.2	15.8	16.5	16.0	16.7	16.9				
3H	17.0	17.7	17.3	17.9	18.1	16.6	17.3	16.9	17.5	17.7				
4H	17.4	18.1	17.7	18.3	18.5	17.0	17.7	17.3	17.9	18.1				
6H	17.7	18.3	18.0	18.6	18.8	17.3	17.9	17.6	18.1	18.4				
8H	17.8	18.4	18.1	18.7	18.9	17.4	18.0	17.7	18.2	18.5				
12H	17.9	18.5	18.2	18.7	19.0	17.4	18.0	17.7	18.3	18.5				
4H 2H	16.5	17.2	16.8	17.4	17.6	16.2	16.9	16.5	17.1	17.3				
3H	17.6	18.2	17.9	18.5	18.7	17.3	17.9	17.6	18.1	18.4				
4H	18.1	18.6	18.4	18.9	19.2	17.7	18.3	18.1	18.6	18.9				
6H	18.5	19.0	18.9	19.3	19.7	18.1	18.6	18.5	18.9	19.3				
8H	18.7	19.1	19.0	19.4	19.8	18.2	18.7	18.6	19.0	19.4				
12H	18.8	19.2	19.2	19.5	19.9	18.3	18.7	18.7	19.1	19.5				
8H 4H	18.2	18.7	18.6	19.0	19.4	17.9	18.4	18.3	18.7	19.1				
6H	18.8	19.1	19.2	19.5	19.9	18.4	18.8	18.8	19.2	19.6				
8H	19.0	19.3	19.4	19.7	20.2	18.6	18.9	19.1	19.4	19.8				
12H	19.2	19.4	19.6	19.9	20.3	18.7	19.0	19.2	19.5	19.9				
12H 4H	18.2	18.6	18.6	19.0	19.4	17.9	18.3	18.3	18.7	19.1				
6H	18.8	19.1	19.2	19.5	20.0	18.4	18.8	18.9	19.2	19.6				
8H	19.0	19.3	19.5	19.8	20.2	18.7	19.0	19.1	19.4	19.9				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5								
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.7 / - 0.6					+ 0.7 / - 0.8								

CIE Pub.117, 456.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:



UTILIZATION FACTORS TABLE

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

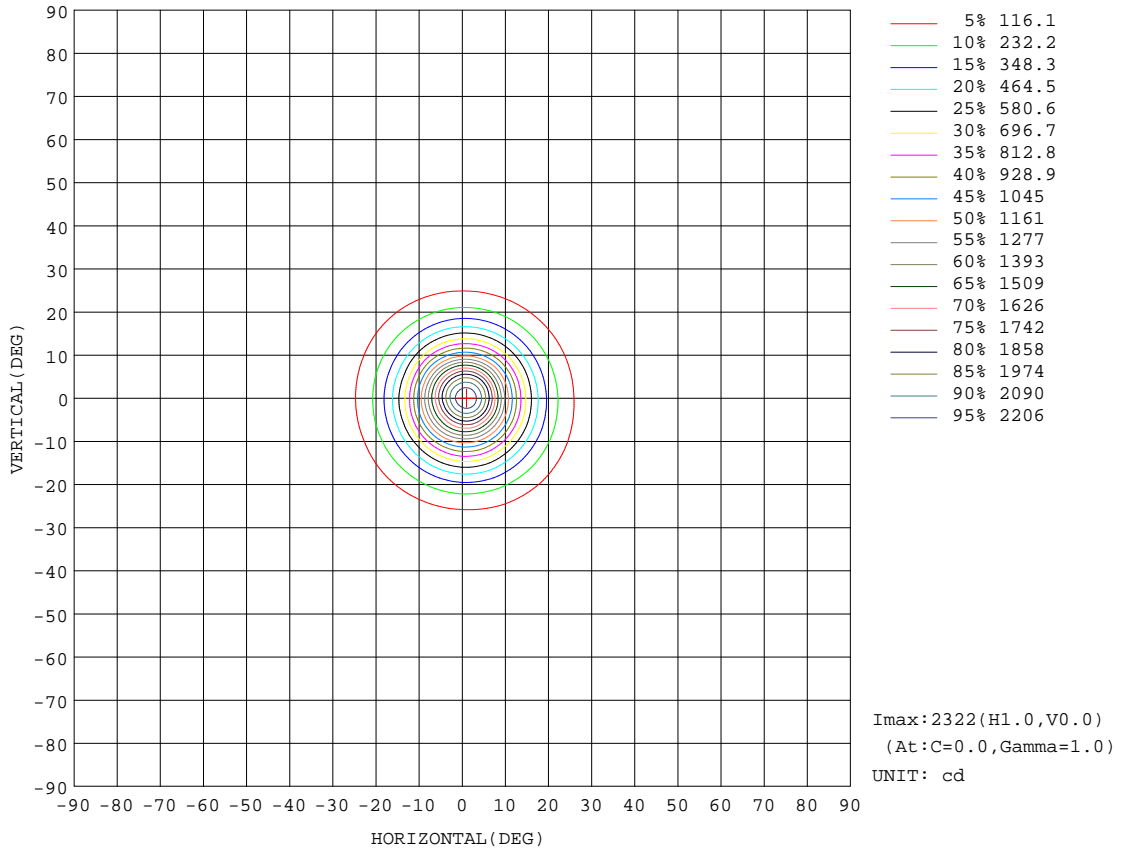
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	106	98
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: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

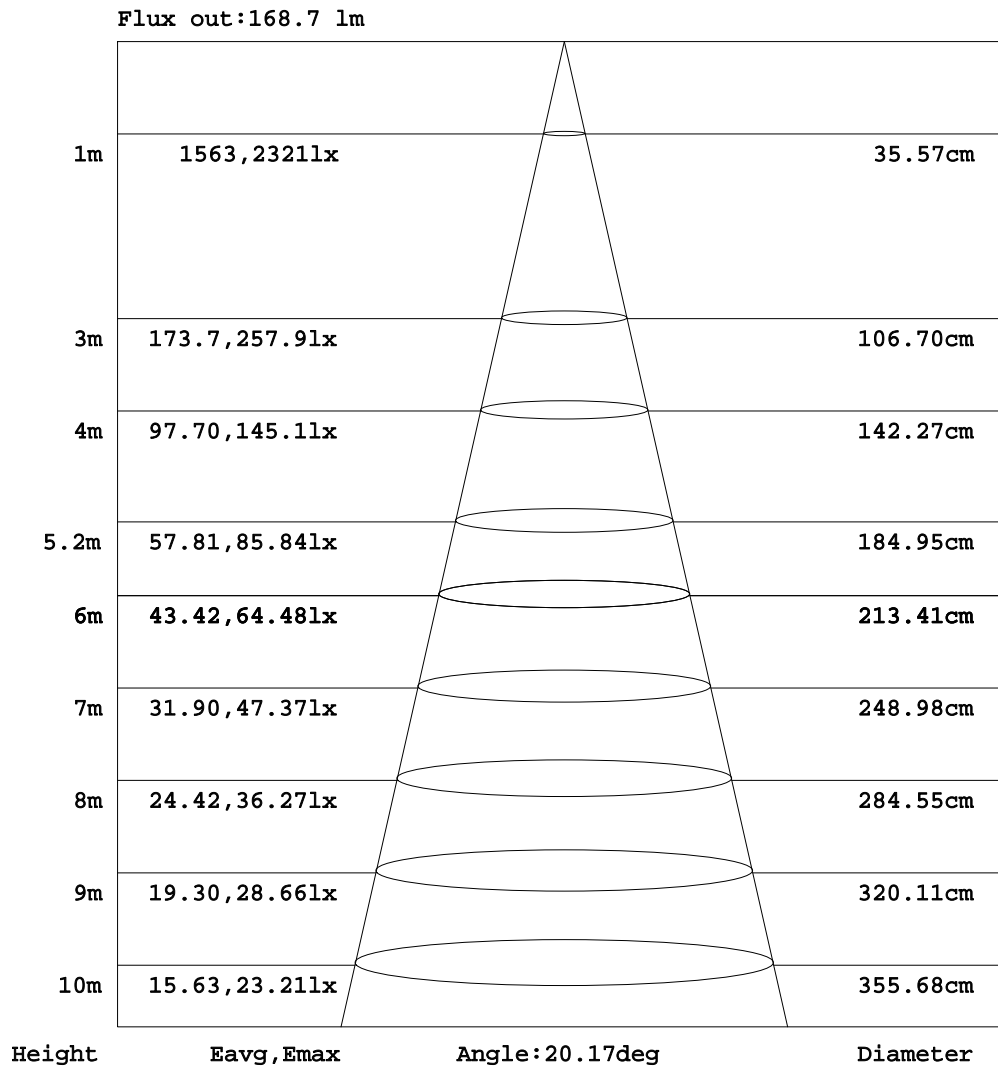


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

AAI Figure

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



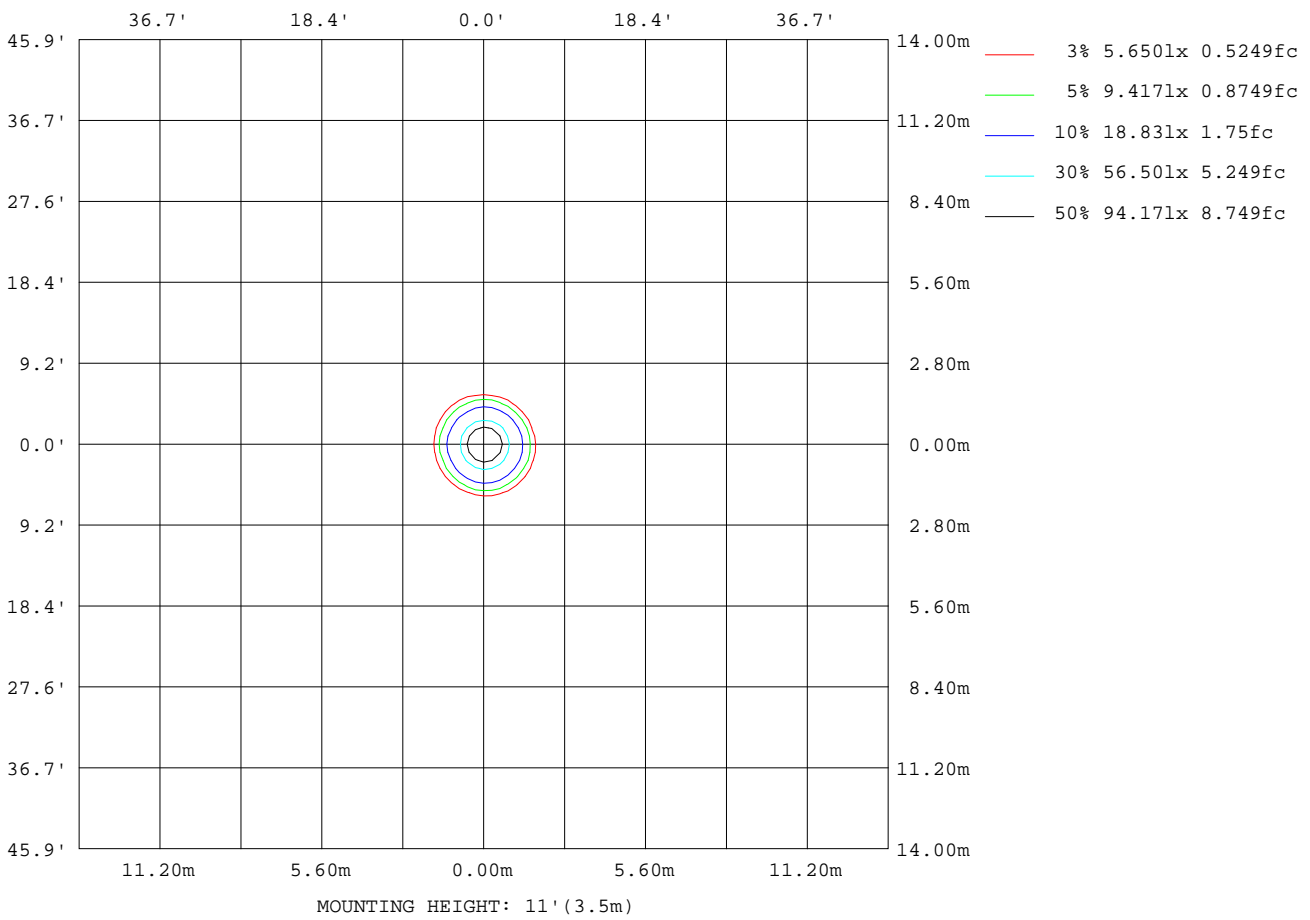
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

**ISOLUX DIAGRAM**

NAME: MR16-5.5-830-25D-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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

**LED Avg.L Report**

NAME: MR16-5.5-830-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

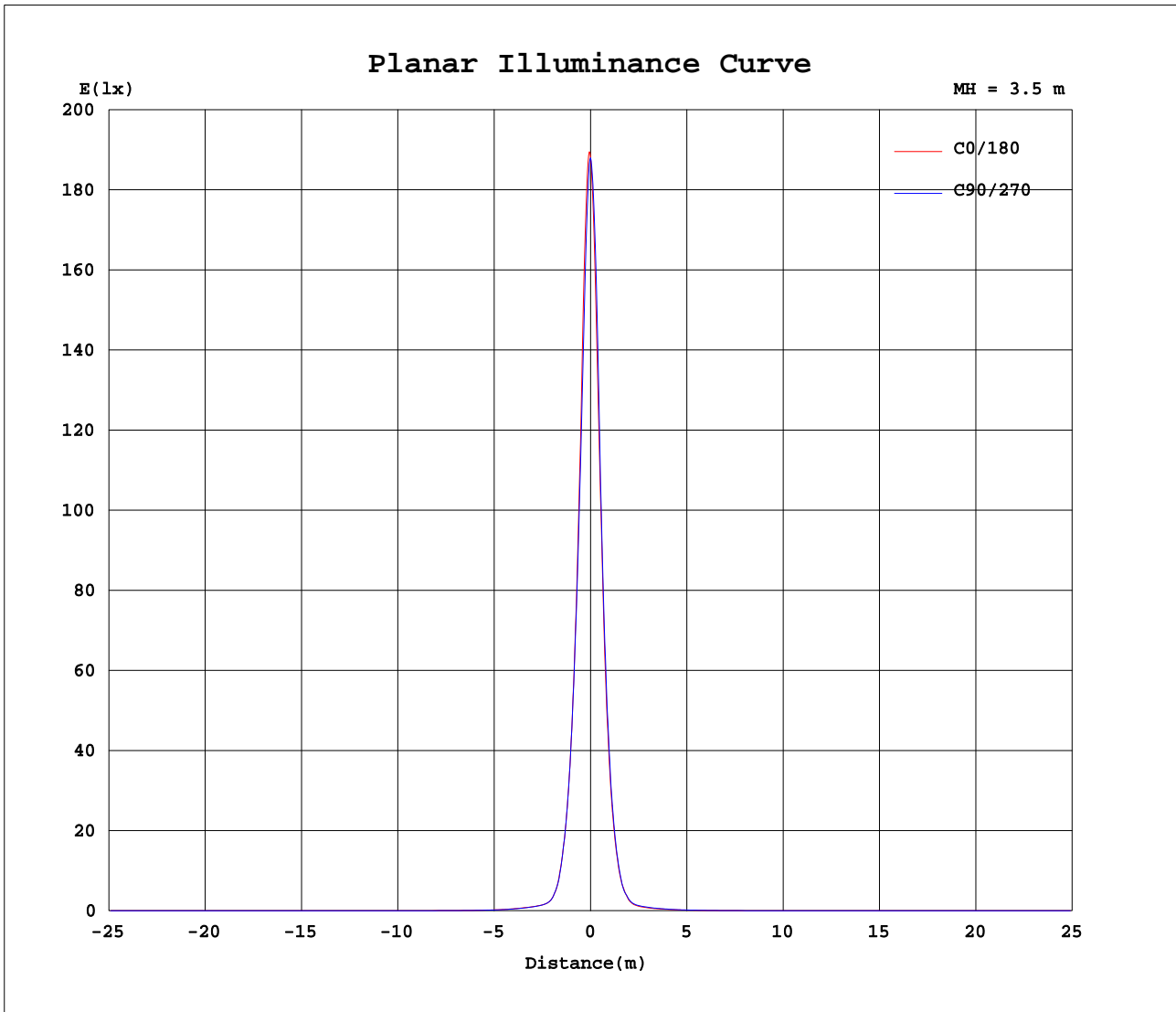
AvgL	cd/m2
L_0~180(65)av	3682
L_0~180(75)av	3087
L_0~180(85)av	2453
L_90~270(65)av	3643
L_90~270(75)av	3060
L_90~270(85)av	2381
L_45(65)av	3707
L_45(75)av	3142
L_45(85)av	2455

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 GO-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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MR16-5.5-830-25D-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	2307	2305	2305	2301	2303	2303	2303	2302	2307	2305	2305	2301	2303	2303	2303	2302			
5	2030	2019	1990	1944	1892	1840	1807	1790	1809	1825	1848	1884	1934	1977	2011	2026			
10	1258	1262	1252	1237	1199	1173	1141	1111	1093	1086	1098	1103	1128	1171	1224	1244			
15	671	685	689	688	668	628	588	560	556	538	557	569	590	610	637	658			
20	325	335	338	337	325	303	281	266	261	257	258	264	275	285	297	310			
25	140	147	148	146	135	125	117	110	111	111	113	113	113	116	121	131			
30	55.8	60.1	63.1	61.2	55.1	52.5	51.0	48.0	47.4	48.4	51.8	51.8	50.5	51.3	53.8	55.6			
35	34.4	35.4	36.0	36.0	34.4	32.0	29.8	27.8	27.2	27.5	29.2	29.9	30.6	31.7	32.9	34.1			
40	29.7	29.7	29.8	29.6	28.3	25.9	22.9	21.5	21.1	21.1	22.5	23.7	24.9	26.1	27.5	28.8			
45	25.8	26.1	25.7	25.5	23.8	21.5	19.5	18.1	17.7	17.9	18.7	20.1	21.2	22.1	23.6	25.1			
50	20.8	21.2	20.9	20.5	19.0	17.1	15.8	14.7	14.6	14.7	15.4	16.4	17.5	18.1	19.2	20.6			
55	15.7	15.8	15.6	15.1	13.8	12.7	12.0	11.6	11.5	11.5	11.9	12.7	13.5	13.4	14.7	15.7			
60	11.6	11.8	11.4	11.0	10.1	9.60	9.17	9.04	8.92	9.18	9.32	9.91	10.2	10.1	10.8	11.7			
65	8.50	8.76	8.52	8.22	7.57	7.30	7.08	7.00	6.94	7.18	7.28	7.67	7.70	7.74	8.19	8.79			
70	6.13	6.25	6.14	5.98	5.57	5.42	5.32	5.26	5.17	5.36	5.47	5.65	5.67	5.78	6.10	6.43			
75	4.31	4.35	4.28	4.17	3.90	3.78	3.73	3.65	3.61	3.73	3.81	3.90	3.95	4.10	4.31	4.48			
80	2.68	2.68	2.61	2.53	2.35	2.26	2.20	2.14	2.14	2.21	2.28	2.34	2.40	2.52	2.66	2.74			
85	1.26	1.24	1.17	1.12	1.00	0.94	0.90	0.86	0.86	0.90	0.94	0.99	1.06	1.15	1.23	1.28			
90	0.22	0.20	0.18	0.12	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.05	0.13	0.17	0.21	0.22			
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	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00			
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	0.01	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			
150	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
155	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04			
160	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09			
165	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15			
170	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.18	0.17	0.17	0.17	0.16	0.17			
175	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.12			
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: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6268]  
 Remarks: