

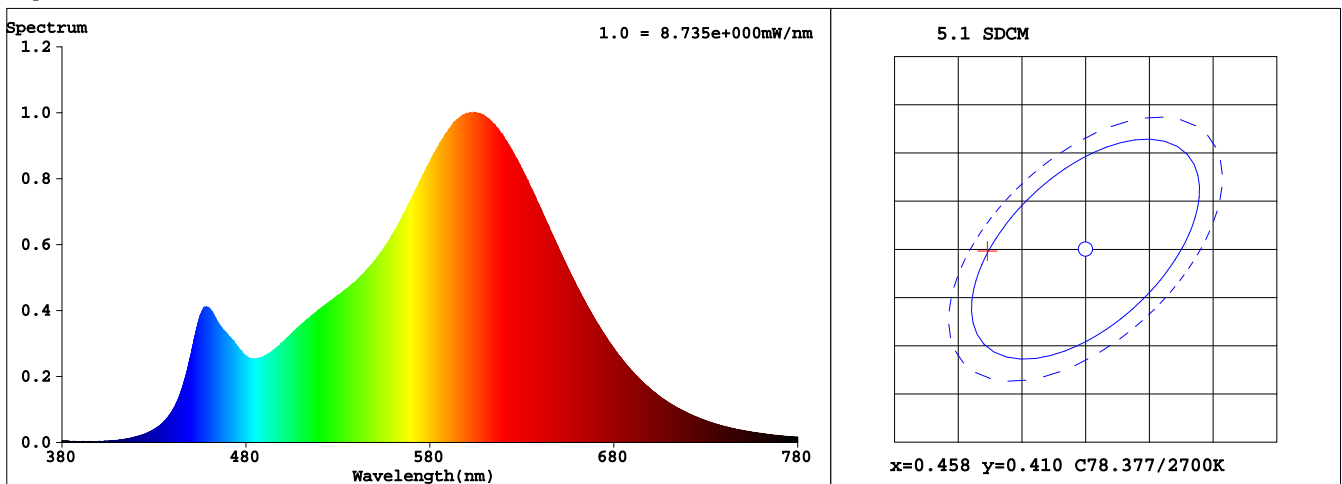
# Spectrum Test Report

Sample : MR16-5.5-827-25D-DIM Date : 2020-04-08 13:06:34  
Specification : Sam. Status :  
Sample No. : Standard : LM-79-80  
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)  
Remark : Test by :  
Device SN :

## Test Condition

Temperature : 25.2Deg RH : 30.1%  
WL Range : 380nm-780nm IP : 56647 (86%)  
Test Mode : Fast Test T : 472 ms  
Sensitivity : High

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4500$   $y = 0.4096$  /  $u' = 0.2565$   $v' = 0.5255$  ( $duv=5.81e-04$ )

CCT= 2837K Prcp WL: Ld=583.3nm Purity=58.0%

Peak WL: Lp=604nm FWHM: =115.4nm Ratio:R=24.0% G=73.1% B=2.9%

Render Index: Ra = 81.9

EEL: 0.13407 A+

R1 =81 R2 =94 R3 =92 R4 =78 R5 =82 R6 =94 R7 =80  
R8 =56 R9 =5 R10=86 R11=77 R12=76 R13=84 R14=96 R15=73

LEVEL:OUT WHITE:ANSI\_2700K

## Photometric & Radiometric Parameters

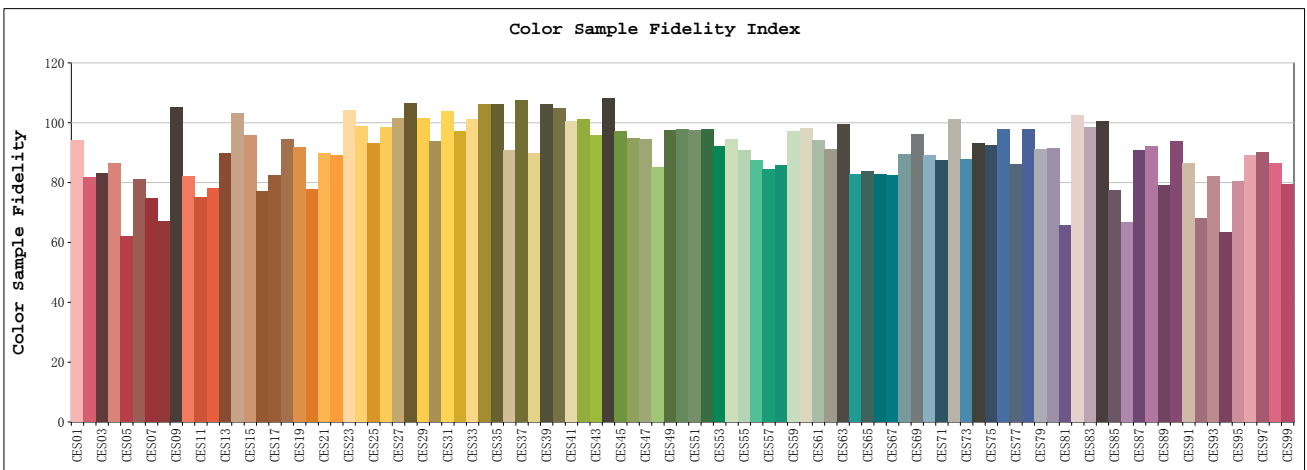
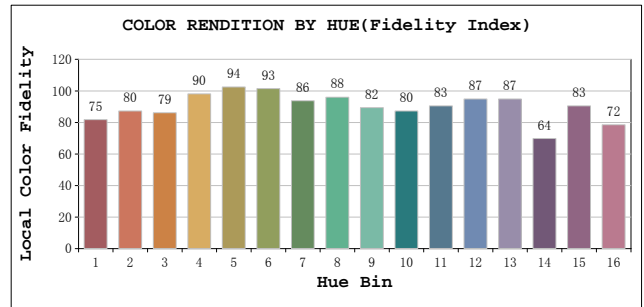
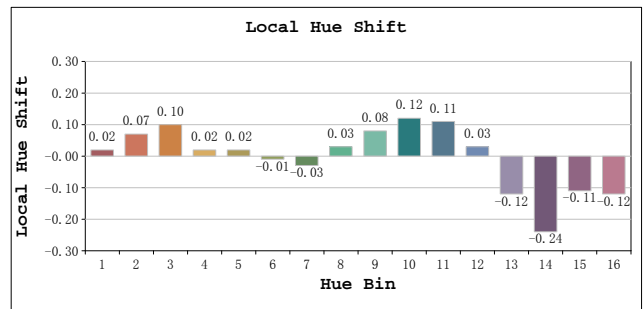
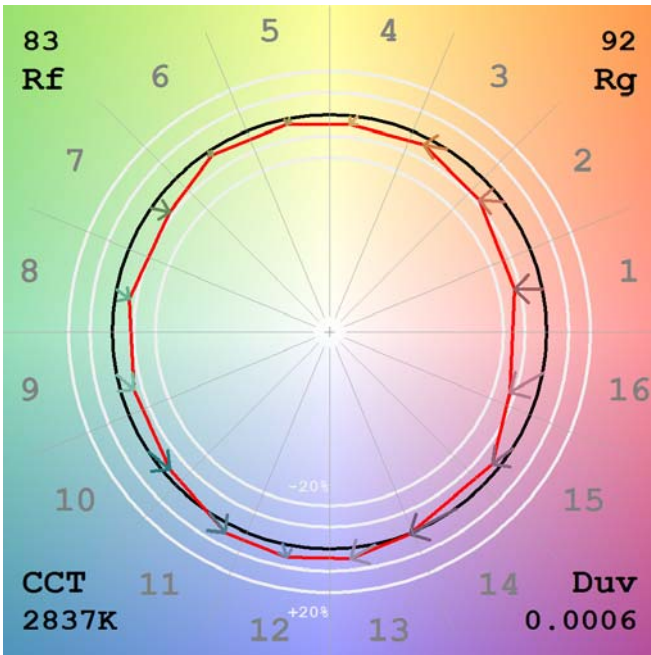
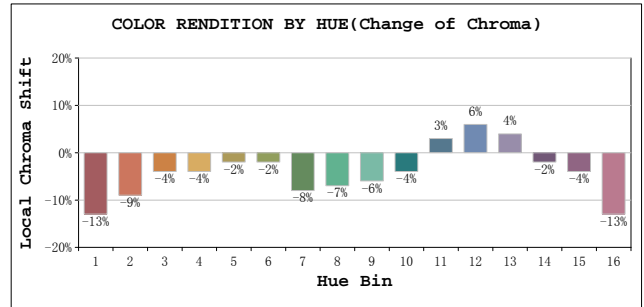
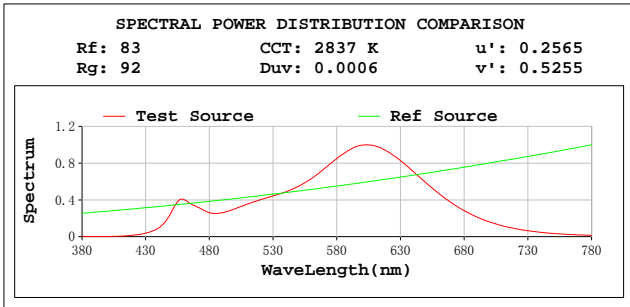
Flux = 407.63 lm Eff. : 80.56 lm/W Fe = 1.2518 W

Flux of emitted photons( $\mu\text{mol/s}$ ):6.118 Fluo. and blue light ratio:9.039 Fluorescent eff.:207.3

## Electrical parameters

V = 12.15 V I = 0.4476 A P = 5.060 W PF = 0.9304

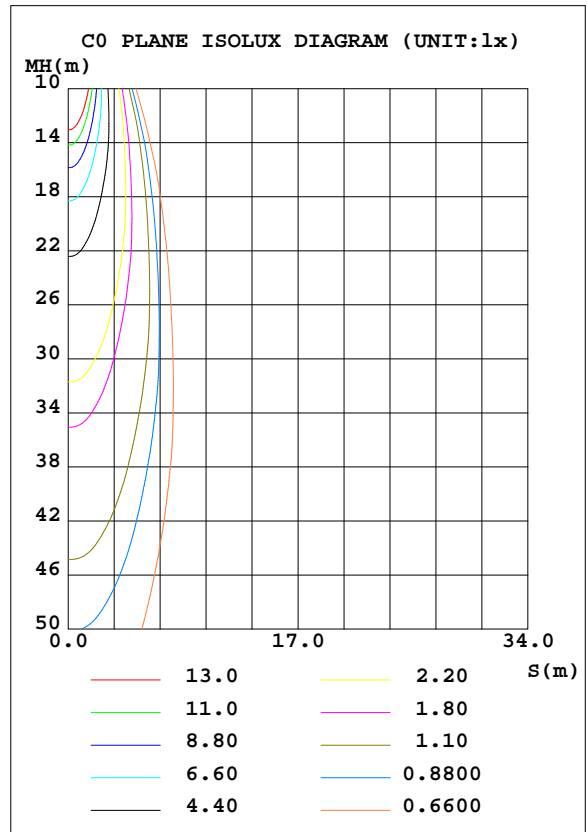
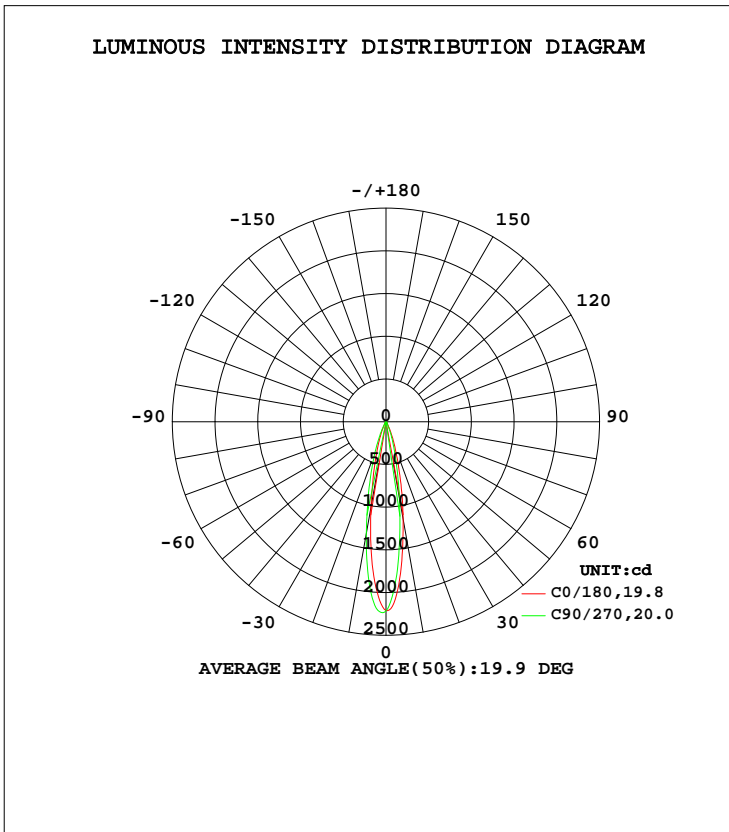
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	MR16	Imax(cd)	2237	S/MH(C0/180)	0.32
NOMINAL POWER(W)	5.5	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	424.02	η UP, DN(C0-180)	0.0,44.5
NOMINAL FLUX(lm)	424.019	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,55.5
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:

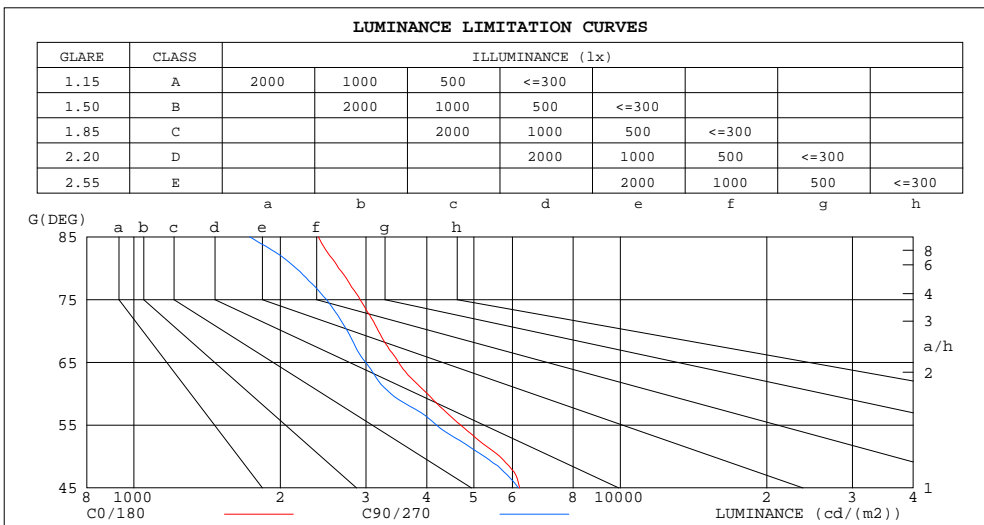
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1847	1735	1649	1647	1750	1892	2013	1987	0- 5	47.84	47.84	11.3,11.3
10	1160	998.3	909.2	904.0	1015	1167	1333	1297	5- 10	101.1	149.0	35.1,35.1
15	607.6	490.6	429.5	421.0	504.7	622.1	737.9	720.8	10- 15	94.21	243.2	57.3,57.3
20	291.6	230.5	195.1	192.3	235.3	302.5	368.1	358.1	15- 20	65.47	308.6	72.8,72.8
25	125.7	96.30	75.84	74.60	94.57	131.4	159.6	158.2	20- 25	38.13	346.8	81.8,81.8
30	51.43	42.52	36.62	36.98	41.49	55.93	63.42	65.95	25- 30	19.06	365.8	86.3,86.3
35	29.42	29.19	28.79	26.67	25.49	27.62	28.62	30.53	30- 35	10.66	376.5	88.8,88.8
40	24.32	25.66	25.19	23.29	21.46	20.96	21.11	22.50	35- 40	8.405	384.9	90.8,90.8
45	21.78	22.61	21.64	20.61	19.44	18.69	18.72	20.23	40- 45	8.044	392.9	92.7,92.7
50	18.02	17.64	16.74	15.99	15.96	15.68	15.97	17.26	45- 50	7.551	400.5	94.5,94.5
55	13.35	12.69	11.91	11.61	12.25	12.33	12.76	13.56	50- 55	6.325	406.8	95.9,95.9
60	9.943	9.134	8.368	8.453	8.977	9.409	9.689	10.21	55- 60	5.020	411.8	97.1,97.1
65	7.331	6.839	6.279	6.449	6.647	6.988	7.275	7.686	60- 65	3.913	415.7	98.98
70	5.395	5.016	4.663	4.767	4.872	5.230	5.440	5.780	65- 70	3.053	418.8	98.8,98.8
75	3.746	3.457	3.196	3.286	3.431	3.755	3.864	4.089	70- 75	2.282	421.1	99.3,99.3
80	2.270	2.063	1.855	1.953	2.146	2.406	2.465	2.595	75- 80	1.554	422.6	99.7,99.7
85	1.035	0.9000	0.7476	0.8197	1.035	1.231	1.250	1.320	80- 85	0.8773	423.5	99.9,99.9
90	0.1168	0.0379	0.0720	0.1260	0.1611	0.4066	0.3402	0.2916	85- 90	0.3258	423.8	100,100
95	0.0226	0.0034	0.0283	0.0753	0.1015	0.1125	0.1018	0.0924	90- 95	0.0518	423.9	100,100
100	0.0060	0.0026	0.0038	0.0284	0.0545	0.0640	0.0599	0.0453	95-100	0.0270	423.9	100,100
105	0.0032	0.0028	0.0028	0.0033	0.0156	0.0214	0.0184	0.0091	100-105	0.0107	423.9	100,100
110	0.0032	0.0028	0.0028	0.0032	0.0025	0.0026	0.0027	0.0029	105-110	0.0025	423.9	100,100
115	0.0032	0.0030	0.0029	0.0032	0.0026	0.0026	0.0027	0.0029	110-115	0.0015	423.9	100,100
120	0.0037	0.0038	0.0032	0.0032	0.0028	0.0027	0.0028	0.0032	115-120	0.0015	423.9	100,100
125	0.0039	0.0038	0.0032	0.0032	0.0030	0.0031	0.0032	0.0033	120-125	0.0015	423.9	100,100
130	0.0039	0.0038	0.0032	0.0032	0.0034	0.0034	0.0036	0.0038	125-130	0.0015	423.9	100,100
135	0.0040	0.0040	0.0034	0.0033	0.0046	0.0047	0.0047	0.0048	130-135	0.0015	423.9	100,100
140	0.0052	0.0055	0.0054	0.0055	0.0062	0.0062	0.0062	0.0063	135-140	0.0018	423.9	100,100
145	0.0086	0.0104	0.0111	0.0110	0.0097	0.0088	0.0083	0.0085	140-145	0.0025	423.9	100,100
150	0.0177	0.0225	0.0259	0.0254	0.0187	0.0154	0.0137	0.0137	145-150	0.0040	423.9	100,100
155	0.0397	0.0503	0.0592	0.0576	0.0419	0.0345	0.0296	0.0291	150-155	0.0074	424.0	100,100
160	0.0809	0.0994	0.1152	0.1123	0.0899	0.0776	0.0669	0.0654	155-160	0.0132	424.0	100,100
165	0.1349	0.1584	0.1759	0.1722	0.1502	0.1349	0.1184	0.1171	160-165	0.0192	424.0	100,100
170	0.1626	0.1796	0.1904	0.1877	0.1744	0.1609	0.1438	0.1427	165-170	0.0191	424.0	100,100
175	0.1286	0.1260	0.1270	0.1242	0.1167	0.1119	0.1047	0.1116	170-175	0.0109	424.0	100,100
180	0	0	0	0	0.0003	0.0005	0.0005	0.0005	175-180	0.0019	424.0	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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:24.3%  
 Test Distance:1.900m [K=0.6268]  
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



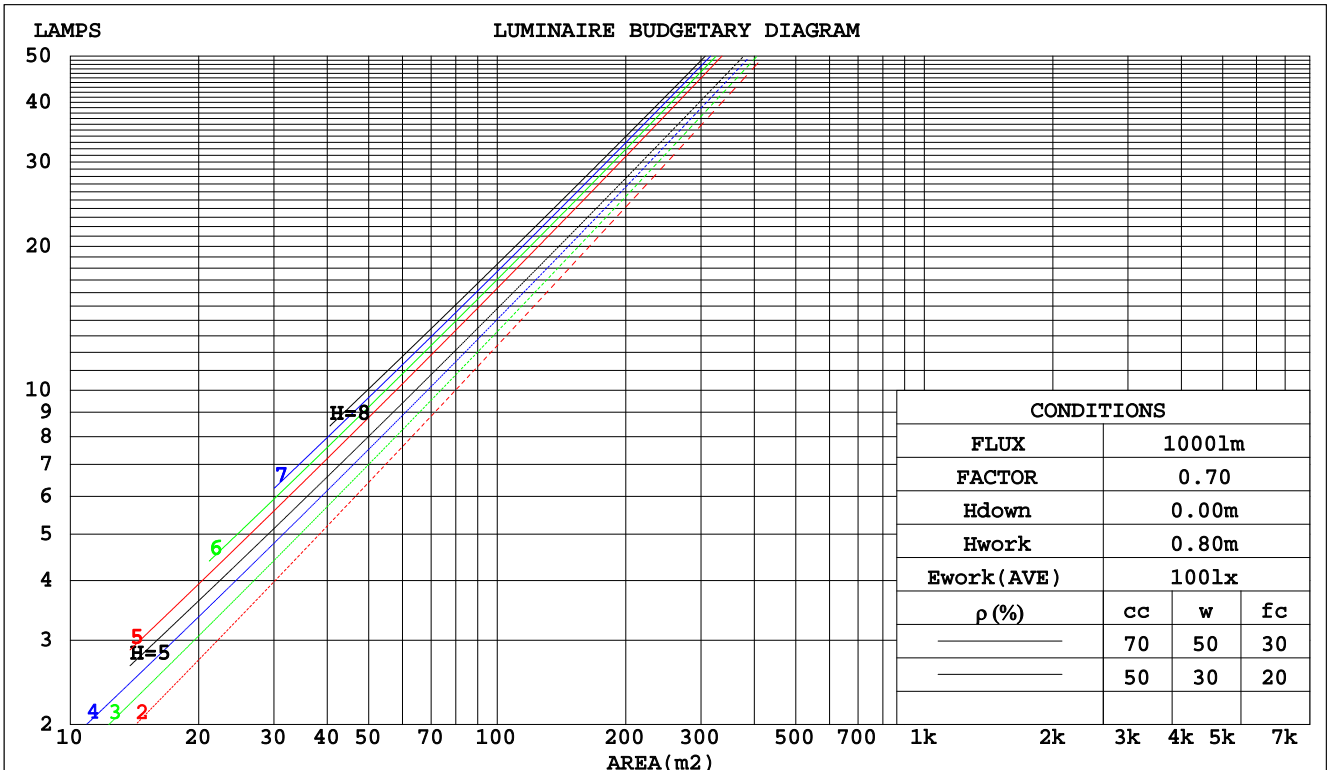
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MR16-5.5-827-25D-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	1.19	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	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.92	.89	.92	.90	.88	.87
4.0	.96	.91	.88	.95	.91	.87	.93	.89	.86	.91	.88	.85	.89	.86	.84	.83
5.0	.92	.87	.84	.91	.87	.83	.89	.86	.83	.88	.84	.82	.86	.83	.81	.80
6.0	.88	.84	.80	.88	.83	.80	.86	.82	.79	.85	.82	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.85	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.78	.75	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.74	.73
9.0	.80	.75	.72	.79	.75	.72	.78	.75	.72	.78	.74	.72	.77	.74	.71	.70
10.0	.77	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69



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: MR16-5.5-827-25D-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	.157	.089	.028	.150	.086	.027	.138	.079	.025	.126	.073	.023	.116	.067	.022	
2.0	.146	.080	.025	.140	.077	.024	.130	.072	.022	.120	.067	.021	.111	.063	.020	
3.0	.135	.072	.022	.131	.070	.021	.122	.066	.020	.114	.062	.019	.107	.059	.018	
4.0	.126	.066	.019	.122	.064	.019	.115	.061	.018	.108	.058	.018	.102	.055	.017	
5.0	.118	.060	.017	.115	.059	.017	.109	.057	.017	.103	.054	.016	.097	.052	.016	
6.0	.111	.056	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.105	.052	.015	.102	.051	.015	.098	.049	.014	.093	.048	.014	.089	.046	.014	
8.0	.099	.049	.014	.097	.048	.014	.093	.046	.013	.089	.045	.013	.085	.044	.013	
9.0	.094	.046	.013	.093	.045	.013	.089	.044	.012	.085	.043	.012	.082	.042	.012	
10.0	.090	.043	.012	.088	.043	.012	.085	.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	.146	.135	.126	.100	.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	.094	.119	.098	.081	.082	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.127	.099	.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	.069	.046	.086	.059	.040	.060	.042	.029	.035	.025	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.032	.022	.015	.011	.007	.005	
9.0	.088	.056	.035	.076	.049	.030	.052	.034	.022	.031	.020	.013	.010	.007	.004	
10.0	.083	.052	.031	.071	.045	.027	.050	.032	.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: MR16-5.5-827-25D-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	15.4	16.2	15.7	16.3	16.5	15.1	15.8	15.3	16.0	16.1				
3H	16.4	17.1	16.6	17.2	17.4	15.9	16.6	16.1	16.8	17.0				
4H	16.8	17.4	17.0	17.6	17.9	16.2	16.9	16.5	17.1	17.3				
6H	17.1	17.7	17.4	17.9	18.2	16.5	17.1	16.8	17.3	17.6				
8H	17.2	17.8	17.5	18.0	18.3	16.5	17.1	16.8	17.4	17.6				
12H	17.2	17.8	17.5	18.1	18.3	16.6	17.2	16.9	17.4	17.7				
4H 2H	15.8	16.4	16.1	16.7	16.9	15.5	16.1	15.8	16.4	16.6				
3H	16.9	17.5	17.2	17.7	18.0	16.5	17.1	16.8	17.3	17.6				
4H	17.4	17.9	17.7	18.2	18.5	16.9	17.4	17.3	17.7	18.0				
6H	17.8	18.3	18.2	18.6	19.0	17.2	17.7	17.6	18.1	18.4				
8H	17.9	18.4	18.3	18.7	19.1	17.3	17.8	17.7	18.1	18.5				
12H	18.0	18.4	18.4	18.8	19.2	17.4	17.8	17.8	18.2	18.6				
8H 4H	17.5	18.0	17.9	18.3	18.7	17.1	17.5	17.5	17.9	18.2				
6H	18.0	18.4	18.5	18.8	19.2	17.5	17.9	17.9	18.3	18.7				
8H	18.2	18.6	18.7	19.0	19.4	17.7	18.0	18.1	18.4	18.9				
12H	18.4	18.7	18.9	19.1	19.6	17.8	18.1	18.2	18.5	19.0				
12H 4H	17.5	17.9	17.9	18.3	18.7	17.1	17.5	17.5	17.8	18.2				
6H	18.0	18.4	18.5	18.8	19.2	17.5	17.9	18.0	18.3	18.7				
8H	18.3	18.6	18.7	19.0	19.5	17.7	18.0	18.2	18.5	18.9				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5								
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.3								
2.0H	+ 0.8 / - 0.7					+ 1.0 / - 0.9								

CIE Pub.117, 424.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.0)

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: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

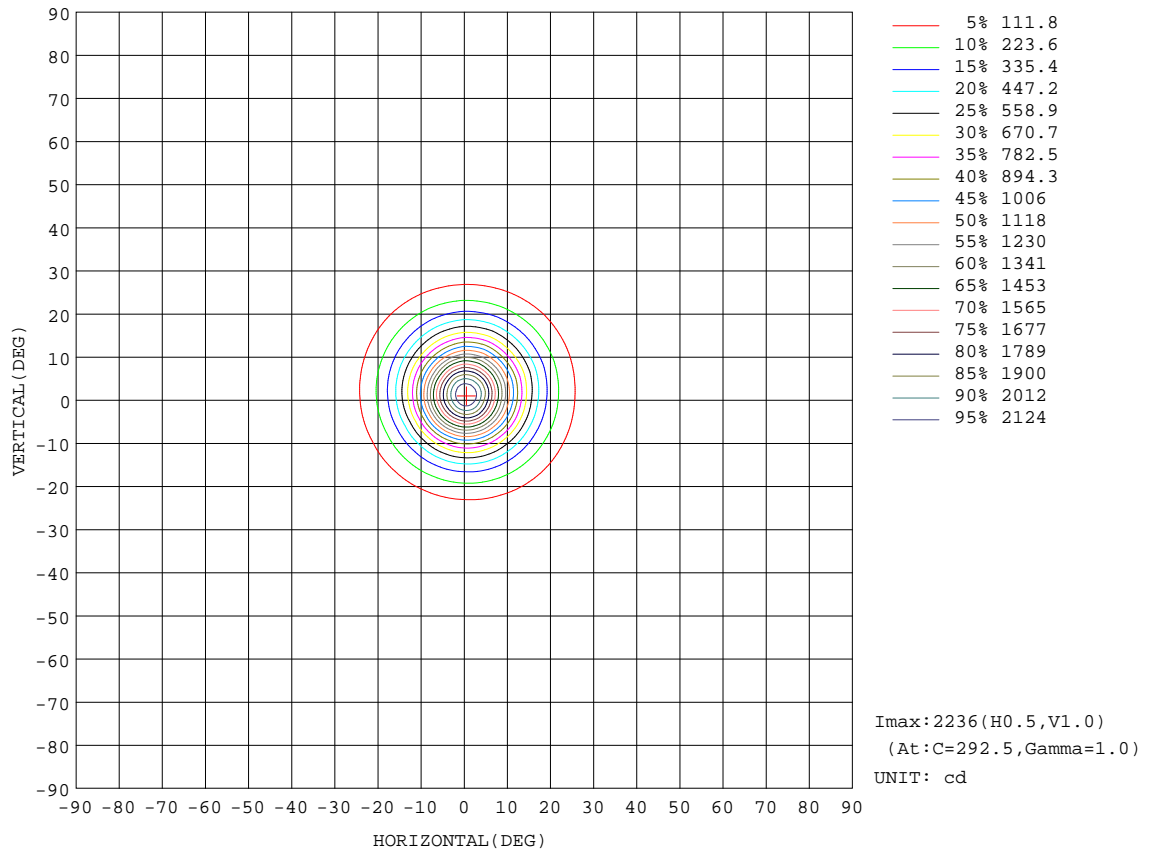
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	85	79	75	71
0.80	93	87	83	93	87	83	91	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	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	108	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: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

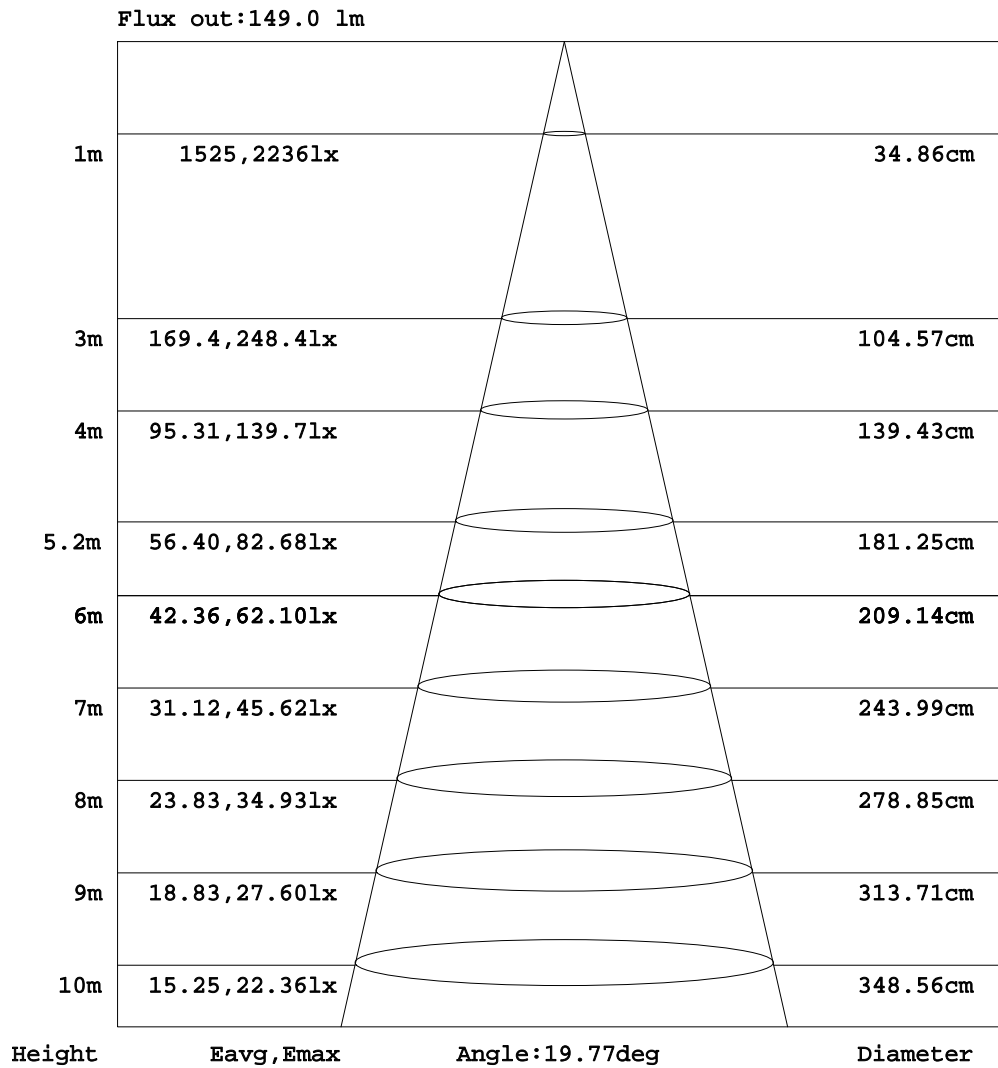


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators:  
 Test Date: 2020-04-09

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: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



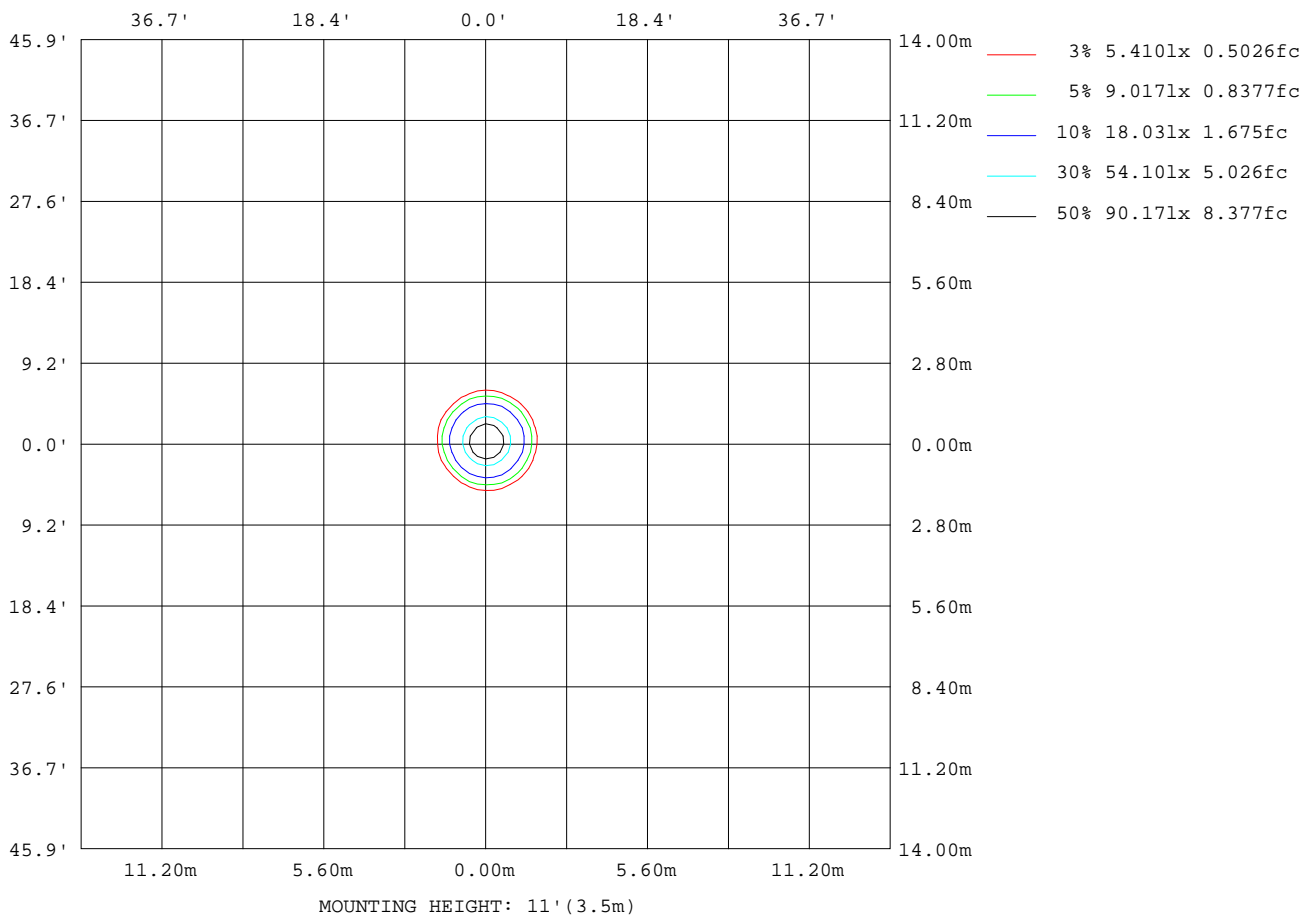
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: MR16-5.5-827-25D-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: MR16-5.5-827-25D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

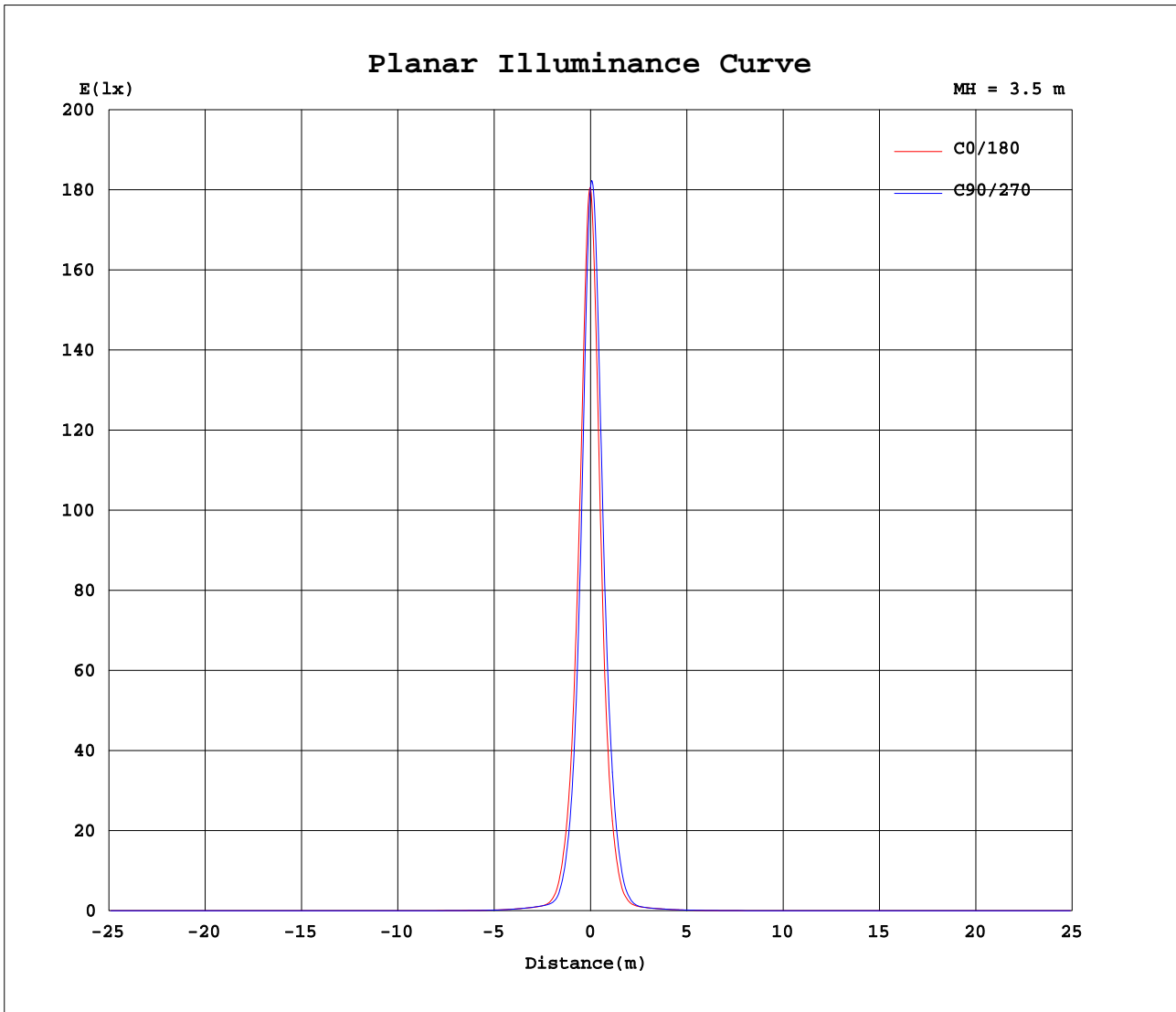
AvgL	cd/m2
L_0~180(65)av	3334
L_0~180(75)av	2795
L_0~180(85)av	2394
L_90~270(65)av	3233
L_90~270(75)av	2749
L_90~270(85)av	2310
L_45(65)av	3335
L_45(75)av	2841
L_45(85)av	2470

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

$\gamma$  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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MR16-5.5-827-25D-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	2209	2210	2210	2212	2213	2213	2214	2212	2209	2210	2210	2212	2213	2213	2214	2212			
5	1847	1787	1735	1683	1649	1629	1647	1686	1750	1815	1892	1974	2013	2013	1987	1934			
10	1160	1078	998	945	909	888	904	942	1015	1092	1167	1255	1333	1339	1297	1245			
15	608	545	491	457	429	418	421	442	505	565	622	681	738	751	721	681			
20	292	255	230	210	195	187	192	204	235	268	303	340	368	373	358	334			
25	126	110	96.3	84.9	75.8	72.3	74.6	80.1	94.6	113	131	148	160	162	158	146			
30	51.4	47.0	42.5	38.4	36.6	36.2	37.0	38.2	41.5	47.9	55.9	61.3	63.4	67.0	66.0	60.8			
35	29.4	29.2	29.2	29.1	28.8	27.7	26.7	26.3	25.5	26.1	27.6	28.0	28.6	29.7	30.5	30.2			
40	24.3	25.1	25.7	25.9	25.2	24.1	23.3	22.9	21.5	20.8	21.0	20.9	21.1	21.9	22.5	23.6			
45	21.8	22.1	22.6	22.3	21.6	20.9	20.6	20.3	19.4	18.8	18.7	18.7	18.7	19.2	20.2	21.1			
50	18.0	17.9	17.6	17.4	16.7	16.4	16.0	16.1	16.0	15.8	15.7	16.1	16.0	16.6	17.3	17.6			
55	13.4	13.0	12.7	12.5	11.9	11.7	11.6	12.0	12.3	12.3	12.3	12.6	12.8	13.3	13.6	13.3			
60	9.94	9.55	9.13	8.84	8.37	8.25	8.45	8.70	8.98	9.40	9.41	9.89	9.69	10.1	10.2	10.0			
65	7.33	7.11	6.84	6.58	6.28	6.24	6.45	6.58	6.65	6.91	6.99	7.38	7.28	7.53	7.69	7.51			
70	5.40	5.24	5.02	4.79	4.66	4.64	4.77	4.87	4.87	5.10	5.23	5.49	5.44	5.63	5.78	5.62			
75	3.75	3.64	3.46	3.28	3.20	3.22	3.29	3.39	3.43	3.63	3.75	3.91	3.86	3.98	4.09	3.96			
80	2.27	2.18	2.06	1.93	1.86	1.89	1.95	2.05	2.15	2.32	2.41	2.50	2.47	2.52	2.59	2.47			
85	1.03	0.96	0.90	0.80	0.75	0.77	0.82	0.90	1.04	1.16	1.23	1.30	1.25	1.27	1.32	1.21			
90	0.12	0.05	0.04	0.05	0.07	0.10	0.13	0.14	0.16	0.28	0.41	0.42	0.34	0.34	0.29	0.21			
95	0.02	0.01	0.00	0.01	0.03	0.05	0.08	0.09	0.10	0.11	0.11	0.11	0.10	0.10	0.09	0.06			
100	0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.07	0.06	0.06	0.06	0.05	0.05	0.02			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01			
155	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03			
160	0.08	0.09	0.10	0.11	0.12	0.12	0.11	0.10	0.09	0.09	0.08	0.07	0.07	0.07	0.07	0.07			
165	0.13	0.15	0.16	0.17	0.18	0.18	0.17	0.16	0.15	0.15	0.13	0.13	0.12	0.12	0.12	0.12			
170	0.16	0.17	0.18	0.19	0.19	0.19	0.19	0.18	0.17	0.17	0.16	0.15	0.14	0.14	0.14	0.15			
175	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.11	0.11	0.10	0.11	0.11	0.11			
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%  
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 Remarks: