

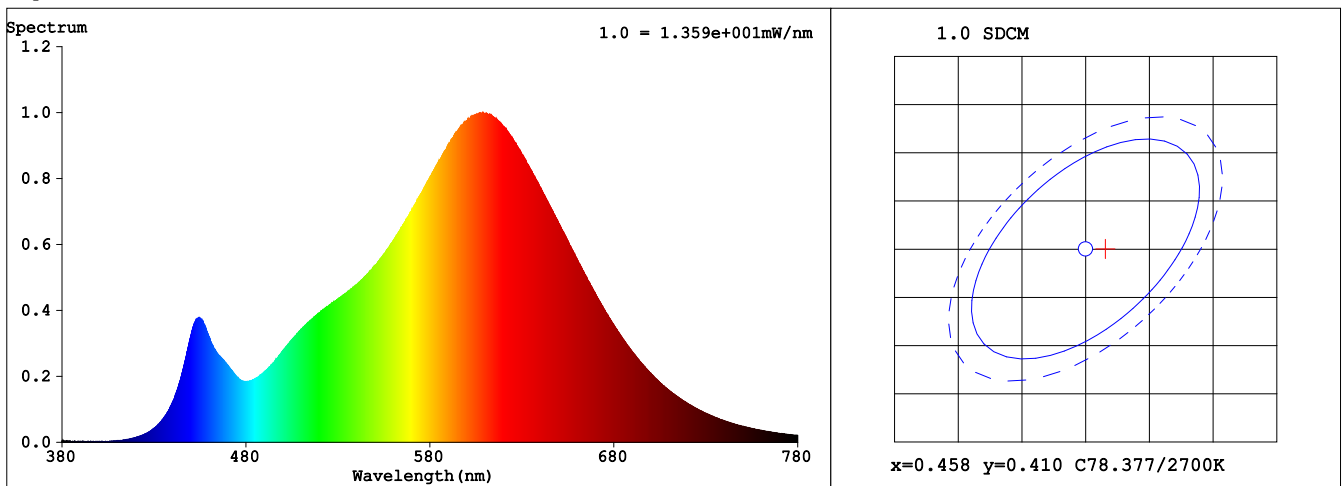
# Spectrum Test Report

Sample : Date : 2019-07-29 18:45:31  
Specification : Sam. Status :  
Sample No. : MR16-7.5-827-35D-DIM Standard :  
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)  
Remark : Test by :

## Test Condition

Temperature : 25.6Deg RH : 30.1%  
WL Range : 380nm-780nm IP : 50316 (77%)  
Test Mode : Fast Test T : 259 ms  
Sensitivity : High

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4592$   $y = 0.4098$  /  $u' = 0.2624$   $v' = 0.5270$  ( $duv = -2.31e-04$ )

CCT= 2703K Prcp WL:  $L_d = 584.3\text{nm}$  Purity=60.9%

Peak WL:  $L_p = 609\text{nm}$  FWHM: =120.8nm Ratio:R=25.4% G=72.2% B=2.4%

Render Index:  $R_a = 84.4$  TM30:Rf=84 Rg=96

R1 =84 R2 =94 R3 =95 R4 =82 R5 =84 R6 =93 R7 =83

R8 =61 R9 =17 R10=86 R11=82 R12=78 R13=86 R14=98 R15=76

LEVEL:OUT WHITE:ANSI\_2700K

## Photometric & Radiometric Parameters

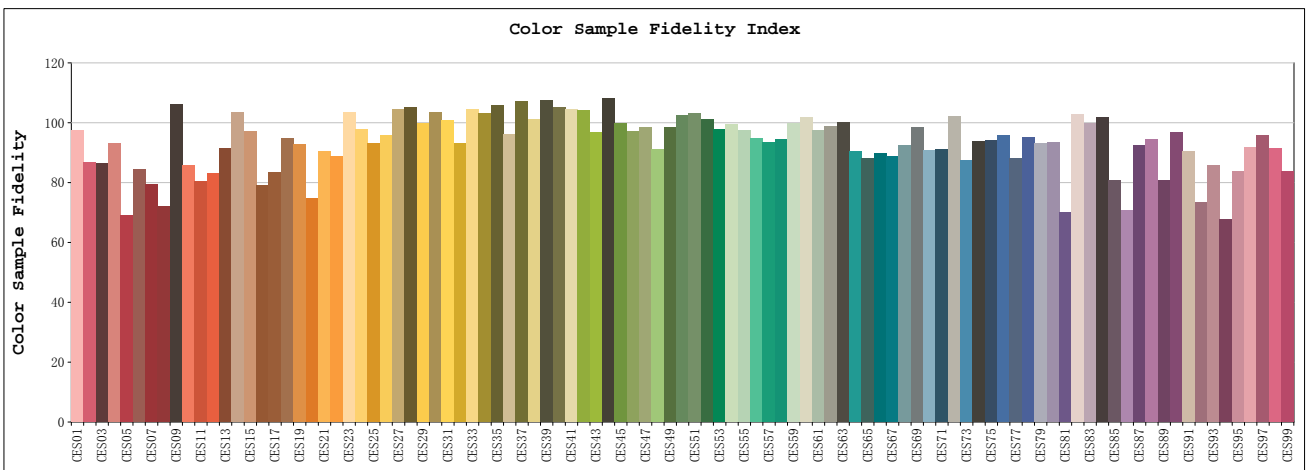
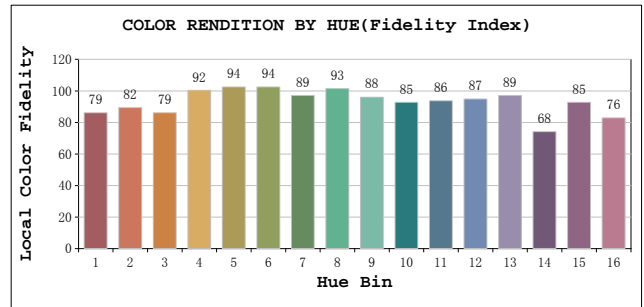
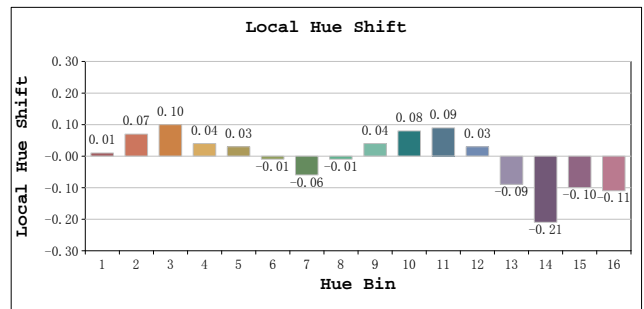
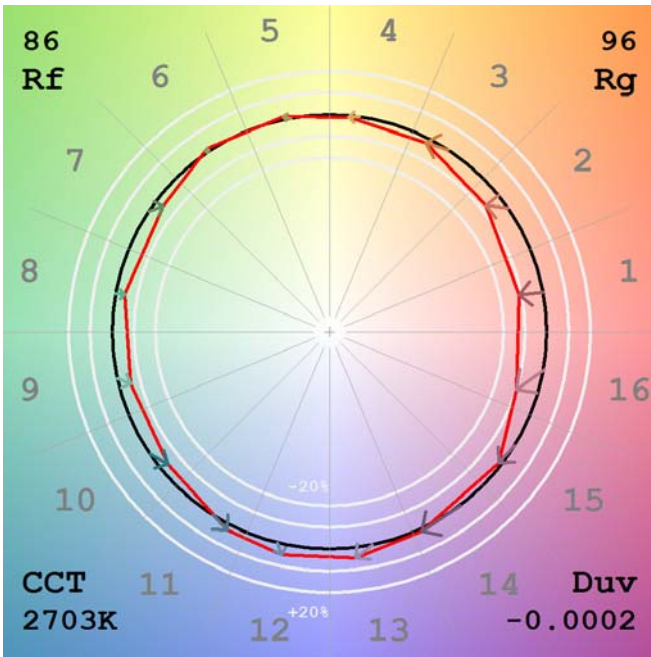
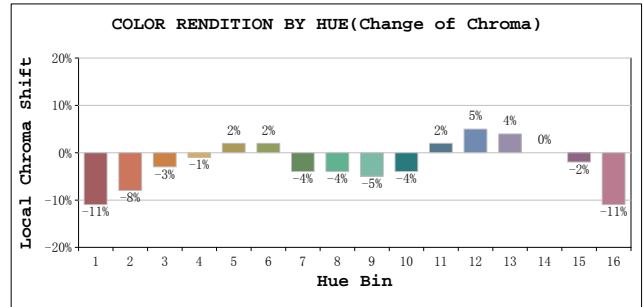
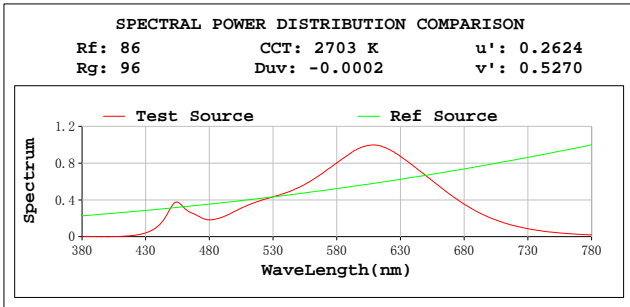
Flux = 618.10 lm Eff. : 90.63 lm/W  $F_e = 1.9780$  W

Flux of emitted photons( $\mu\text{mol/s}$ ):9.7727 Flu. and blue light ratio:11.76 Fluorescent eff.:250.3

## Electrical parameters

V = 12.05 V I = 0.6046 A P = 6.820 W PF = 0.9361

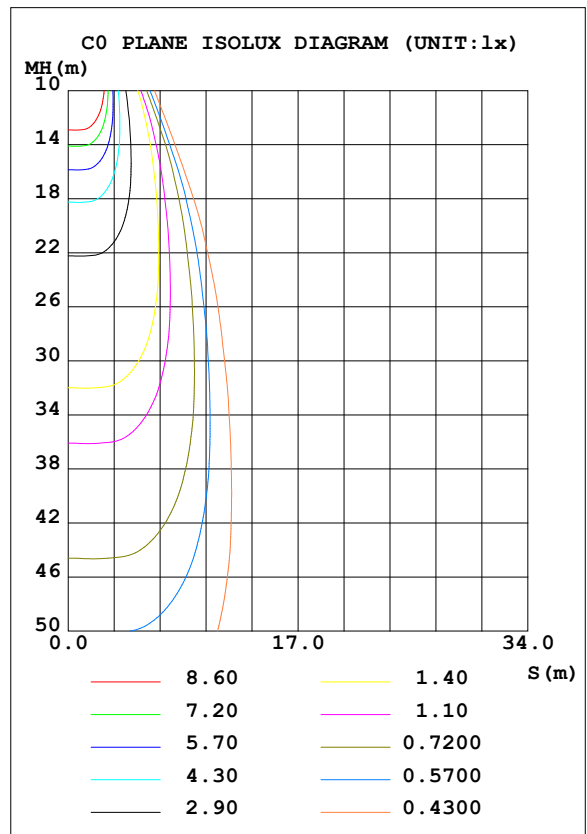
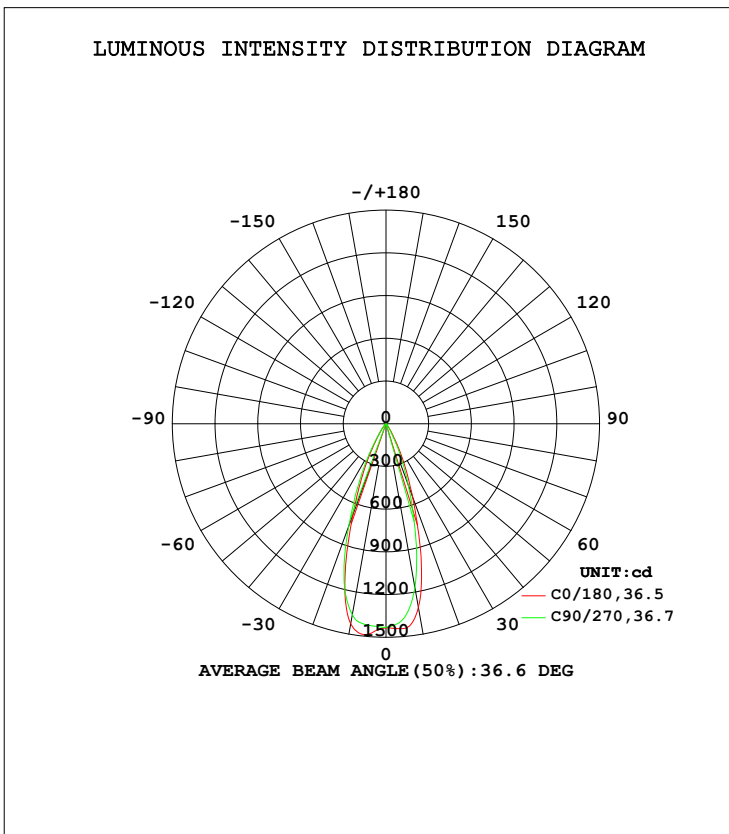
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.39 lm/W			
MODEL		I <sub>max</sub> (cd)	1488	S/MH (C0/180)	0.61
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.64
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	634.14	η UP, DN (C0-180)	0.1, 43.3
NOMINAL FLUX (lm)	634.135	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 56.5
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	12	η down (%)	99.8	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: YY  
 Test Date: 2019-07-30

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

ZONAL FLUX DIAGRAM:

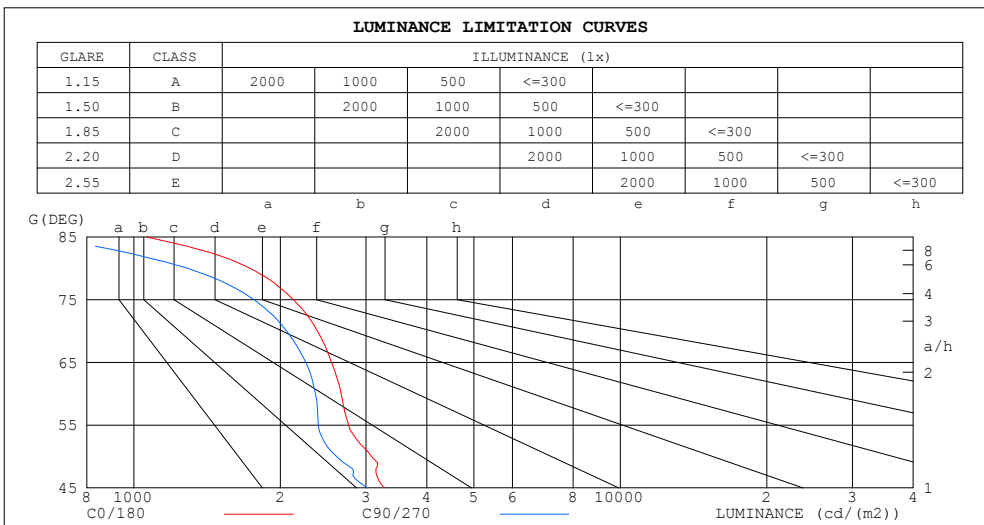
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	1443	1416	1378	1430	1484	1450	1420	1437	0- 5	34.24	34.24	5.4,5.4
10	1311	1255	1169	1310	1427	1448	1362	1389	5- 10	99.65	133.9	21.1,21.1
15	946.4	851.0	801.7	956.1	1112	1249	1138	1115	10- 15	140.4	274.3	43.3,43.3
20	546.2	471.4	459.4	557.6	681.9	819.9	762.2	688.5	15- 20	133.4	407.7	64.3,64.3
25	286.0	222.7	229.3	277.2	375.0	451.0	434.4	364.6	20- 25	96.92	504.6	79.6,79.6
30	114.2	88.74	81.88	112.5	166.8	208.3	206.2	159.4	25- 30	56.99	561.6	88.6,88.6
35	48.16	45.38	36.53	53.27	70.79	85.99	77.13	69.30	30- 35	27.51	589.1	92.9,92.9
40	20.38	22.05	17.32	26.75	32.32	43.74	34.58	33.65	35- 40	14.23	603.3	95.1,95.1
45	11.48	11.91	10.57	14.75	15.79	23.41	16.96	16.86	40- 45	7.690	611.0	96.4,96.4
50	9.812	8.980	8.317	10.84	11.72	14.04	11.33	11.36	45- 50	5.096	616.1	97.2,97.2
55	7.858	7.341	6.811	8.237	9.122	9.761	8.518	8.737	50- 55	4.113	620.2	97.8,97.8
60	6.615	6.136	5.856	6.776	7.597	7.828	6.848	7.092	55- 60	3.466	623.7	98.4,98.4
65	5.341	4.894	4.729	5.382	6.172	6.413	5.808	5.785	60- 65	3.011	626.7	98.8,98.8
70	4.044	3.598	3.495	3.976	4.662	4.992	4.656	4.410	65- 70	2.476	629.2	99.2,99.2
75	2.729	2.336	2.265	2.610	3.188	3.544	3.403	3.098	70- 75	1.857	631.0	99.5,99.5
80	1.492	1.168	1.110	1.366	1.819	2.159	2.129	1.852	75- 80	1.205	632.2	99.7,99.7
85	0.4581	0.2872	0.2776	0.4274	0.7050	0.9383	0.9590	0.7314	80- 85	0.5889	632.8	99.8,99.8
90	0.0393	0.0392	0.0388	0.0397	0.0655	0.1769	0.1882	0.0999	85- 90	0.1568	633.0	99.8,99.8
95	0.0402	0.0417	0.0409	0.0411	0.0389	0.0375	0.0370	0.0398	90- 95	0.0251	633.0	99.8,99.8
100	0.0443	0.0482	0.0469	0.0469	0.0425	0.0408	0.0395	0.0436	95-100	0.0227	633.0	99.8,99.8
105	0.0515	0.0576	0.0557	0.0554	0.0489	0.0470	0.0449	0.0503	100-105	0.0255	633.1	99.8,99.8
110	0.0637	0.0676	0.0689	0.0650	0.0601	0.0553	0.0539	0.0590	105-110	0.0295	633.1	99.8,99.8
115	0.0769	0.0811	0.0824	0.0791	0.0724	0.0656	0.0669	0.0696	110-115	0.0344	633.1	99.8,99.8
120	0.0927	0.0990	0.1155	0.1021	0.0939	0.0802	0.0789	0.0844	115-120	0.0401	633.2	99.8,99.8
125	0.1228	0.1299	0.1660	0.1364	0.1403	0.1112	0.1090	0.1080	120-125	0.0504	633.2	99.9,99.9
130	0.1798	0.2006	0.3035	0.1859	0.2071	0.1530	0.1553	0.1489	125-130	0.0665	633.3	99.9,99.9
135	0.2679	0.1938	0.2227	0.2191	2.498	1.602	1.764	0.6249	130-135	0.4241	633.7	99.9,99.9
140	0.2027	0.1956	0.1990	0.2007	0.2053	0.1780	0.1843	0.1889	135-140	0.1432	633.8	100,100
145	0.2039	0.2156	0.2047	0.2205	0.1923	0.1643	0.1942	0.1741	140-145	0.0642	633.9	100,100
150	0.2239	0.2282	0.2153	0.2357	0.2087	0.1890	0.2051	0.2016	145-150	0.0606	634.0	100,100
155	0.2472	0.2280	0.1677	0.2401	0.2194	0.2086	0.2033	0.2159	150-155	0.0550	634.0	100,100
160	0.2537	0.2083	0.2511	0.2411	0.2217	0.2020	0.1854	0.2237	155-160	0.0466	634.1	100,100
165	0.2388	0.2218	0.1914	0.2047	0.1994	0.1920	0.1754	0.1712	160-165	0.0351	634.1	100,100
170	0.1323	0.1291	0.1284	0.1275	0.1219	0.1231	0.1230	0.1255	165-170	0.0201	634.1	100,100
175	0.0791	0.0749	0.0761	0.0779	0.0815	0.0805	0.0793	0.0786	170-175	0.0075	634.1	100,100
180	0	0	0	0	0	0.0004	0.0004	0.0005	175-180	0.0013	634.1	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:2019-07-30

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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1060	642
80	1733	1289
75	2126	1765
70	2384	2060
65	2548	2256
60	2667	2361
55	2762	2394
50	3078	2609
45	3273	3015

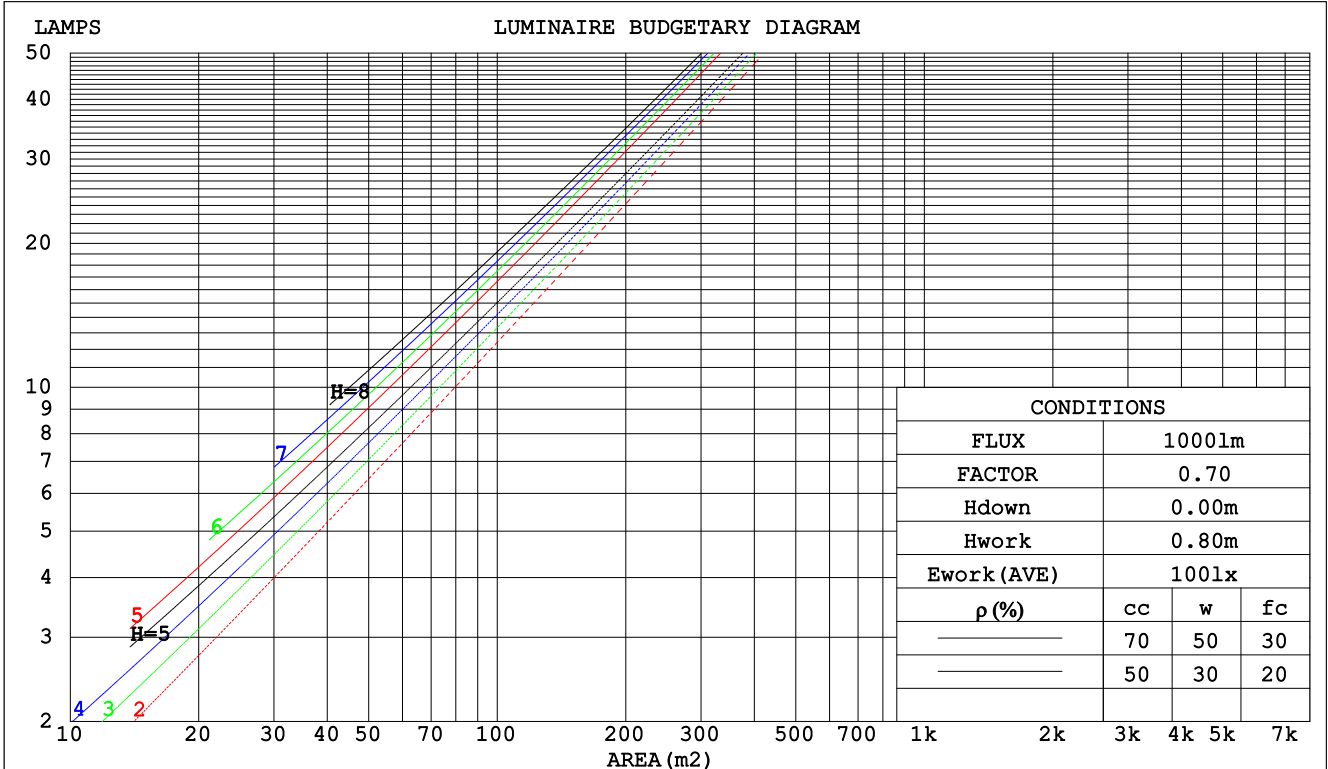
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:28.2%  
 Test Distance:1.191m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-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	1.09	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.97	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	.90	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.94	.89	.86	.91	.88	.85	.90	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.81	.88	.84	.81	.86	.83	.80	.84	.82	.79	.78
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.75
7.0	.82	.77	.74	.82	.77	.74	.81	.76	.73	.79	.76	.73	.78	.75	.73	.71
8.0	.79	.74	.71	.79	.74	.71	.78	.73	.70	.77	.73	.70	.76	.72	.70	.69
9.0	.76	.71	.68	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.70	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.71	.67	.65	.63



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-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	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.117	.068	.022	
2.0	.149	.082	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.114	.065	.020	
3.0	.140	.074	.022	.135	.072	.022	.126	.068	.021	.118	.065	.020	.110	.061	.019	
4.0	.132	.068	.020	.128	.067	.020	.120	.064	.019	.113	.061	.018	.106	.058	.018	
5.0	.124	.063	.018	.121	.062	.018	.114	.060	.018	.108	.057	.017	.103	.055	.016	
6.0	.118	.059	.017	.115	.058	.017	.109	.056	.016	.104	.054	.016	.099	.052	.015	
7.0	.112	.056	.016	.110	.055	.016	.105	.053	.015	.100	.051	.015	.096	.050	.015	
8.0	.107	.052	.015	.105	.052	.015	.100	.050	.014	.096	.049	.014	.092	.047	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013	.089	.045	.013	
10.0	.098	.047	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.087	.044	.012	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.171	.159	.148	.147	.136	.127	.100	.094	.088	.058	.054	.051	.018	.017	.017	
2.0	.155	.134	.117	.132	.115	.101	.091	.080	.070	.052	.046	.041	.017	.015	.013	
3.0	.141	.115	.094	.121	.099	.082	.083	.069	.057	.048	.040	.034	.015	.013	.011	
4.0	.129	.100	.077	.111	.086	.067	.076	.060	.047	.044	.035	.028	.014	.011	.009	
5.0	.120	.088	.064	.103	.076	.056	.071	.053	.040	.041	.031	.023	.013	.010	.008	
6.0	.111	.078	.054	.096	.068	.047	.066	.047	.033	.038	.028	.020	.012	.009	.007	
7.0	.104	.070	.046	.090	.061	.040	.062	.043	.029	.036	.025	.017	.012	.008	.006	
8.0	.098	.064	.040	.084	.055	.035	.058	.039	.025	.034	.023	.015	.011	.008	.005	
9.0	.093	.058	.035	.080	.051	.031	.055	.036	.022	.032	.021	.013	.010	.007	.004	
10.0	.088	.054	.031	.076	.047	.027	.053	.033	.019	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
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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:

UGR(Unified Glare Rating) Table

Test:U:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm										
NAME: MR16-7.5-827-35D-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	9.2	10.0	9.4	10.2	10.3	8.4	9.2	8.6	9.3	9.5
3H	10.0	10.8	10.3	10.9	11.1	9.2	10.0	9.5	10.1	10.3
4H	10.4	11.1	10.6	11.3	11.5	9.6	10.2	9.8	10.5	10.7
6H	10.6	11.3	10.9	11.5	11.7	9.7	10.4	10.0	10.6	10.9
8H	10.7	11.3	11.0	11.5	11.8	9.7	10.4	10.0	10.6	10.9
12H	10.7	11.3	11.0	11.5	11.8	9.7	10.3	10.0	10.6	10.9
4H 2H	9.4	10.1	9.7	10.3	10.6	8.7	9.4	9.0	9.6	9.8
3H	10.4	11.0	10.7	11.3	11.6	9.7	10.4	10.1	10.6	10.9
4H	10.9	11.4	11.2	11.7	12.0	10.2	10.7	10.5	11.0	11.3
6H	11.2	11.7	11.6	12.0	12.4	10.4	10.9	10.8	11.2	11.6
8H	11.3	11.7	11.7	12.1	12.4	10.4	10.9	10.8	11.2	11.6
12H	11.3	11.7	11.7	12.1	12.5	10.4	10.8	10.8	11.2	11.6
8H 4H	11.0	11.4	11.4	11.8	12.1	10.3	10.8	10.7	11.1	11.5
6H	11.3	11.7	11.8	12.1	12.5	10.6	11.0	11.0	11.4	11.8
8H	11.4	11.8	11.9	12.2	12.6	10.7	11.0	11.1	11.4	11.8
12H	11.5	11.8	11.9	12.2	12.7	10.6	10.9	11.1	11.4	11.8
12H 4H	10.9	11.3	11.3	11.7	12.1	10.3	10.7	10.7	11.1	11.5
6H	11.3	11.7	11.8	12.1	12.5	10.6	10.9	11.0	11.3	11.8
8H	11.4	11.7	11.9	12.2	12.6	10.7	10.9	11.1	11.4	11.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 1.8 / - 0.5					+ 1.2 / - 0.6				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117, 634.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.6)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

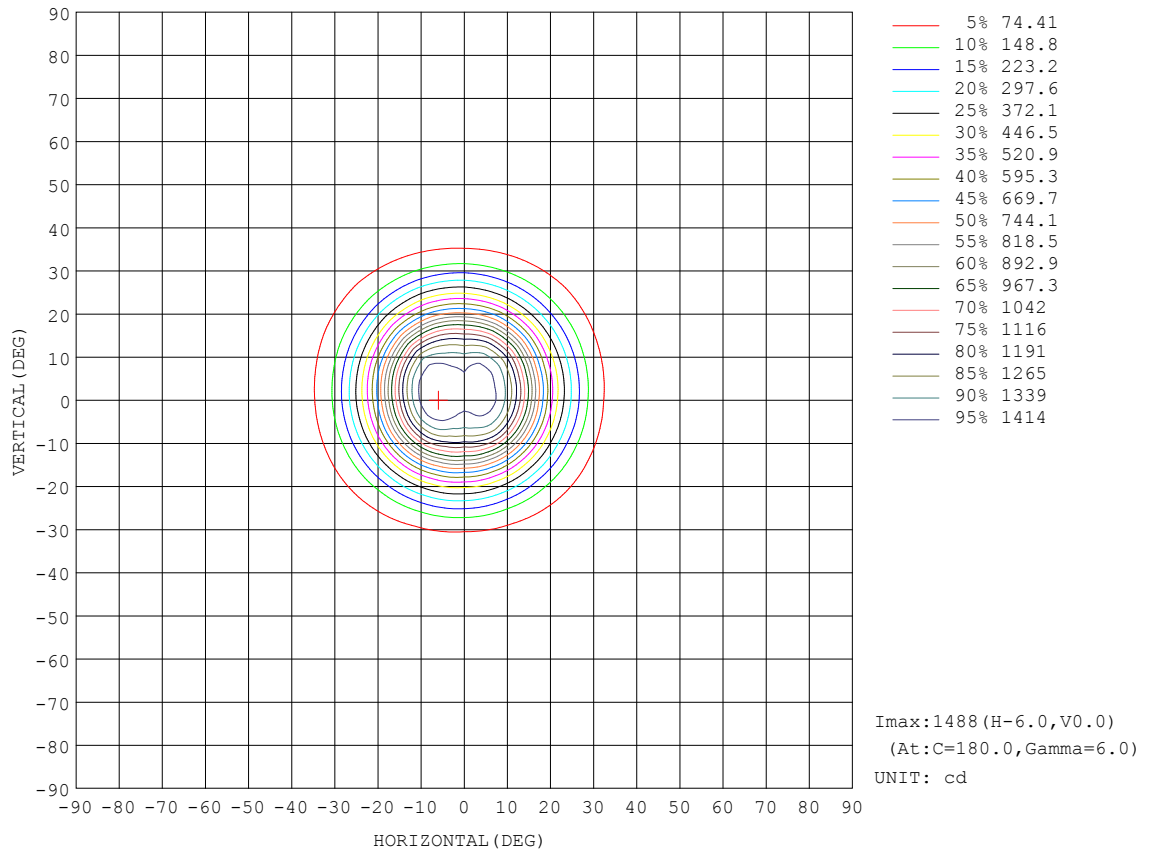
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
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:2019-07-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

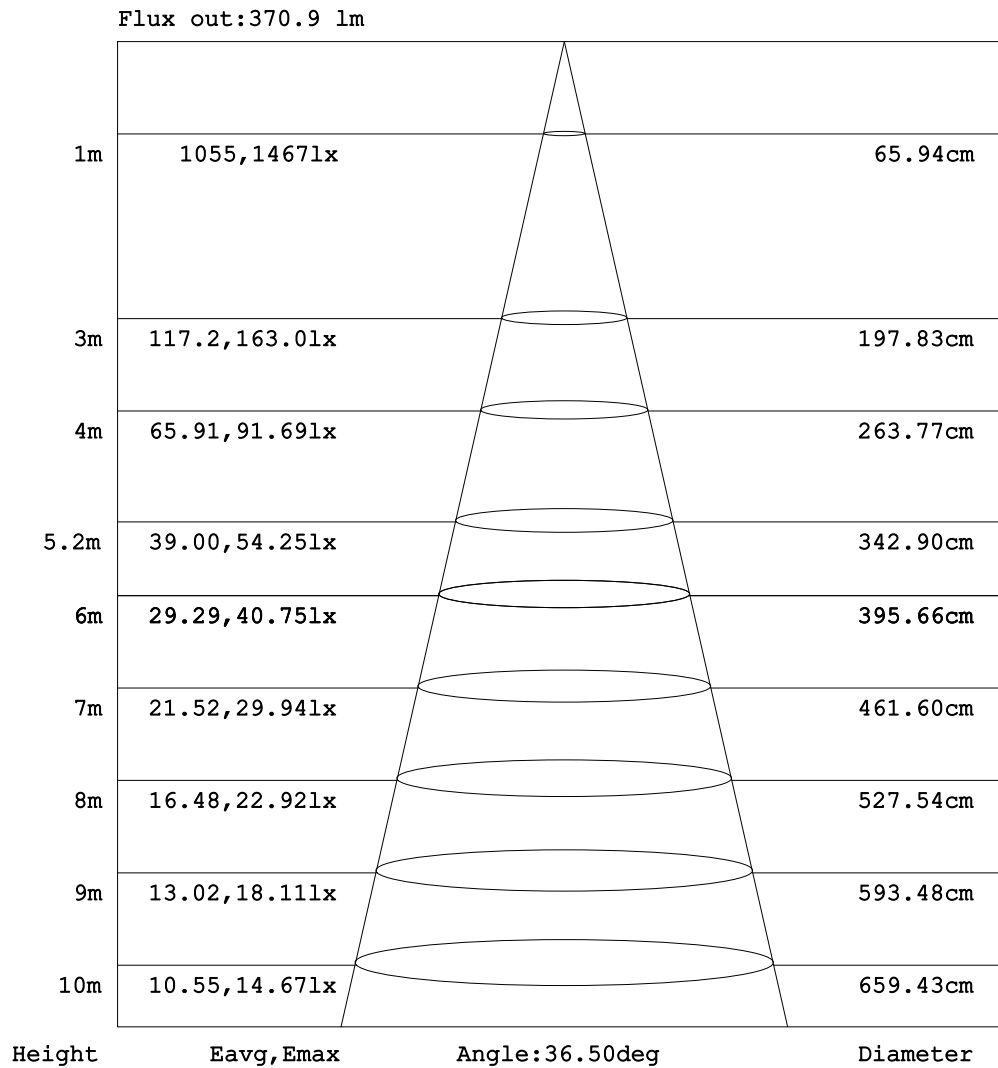


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



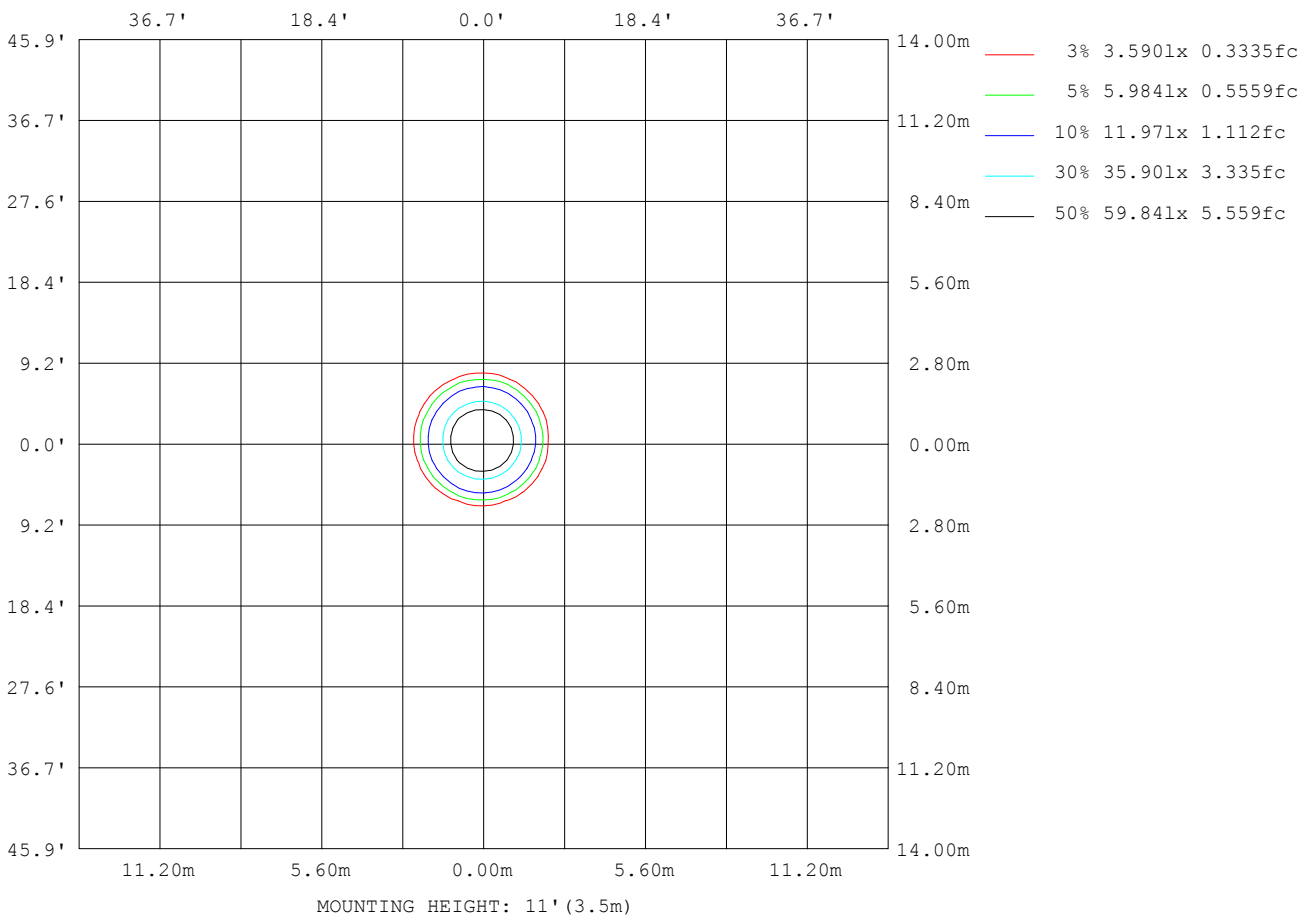
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-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:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MR16-7.5-827-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

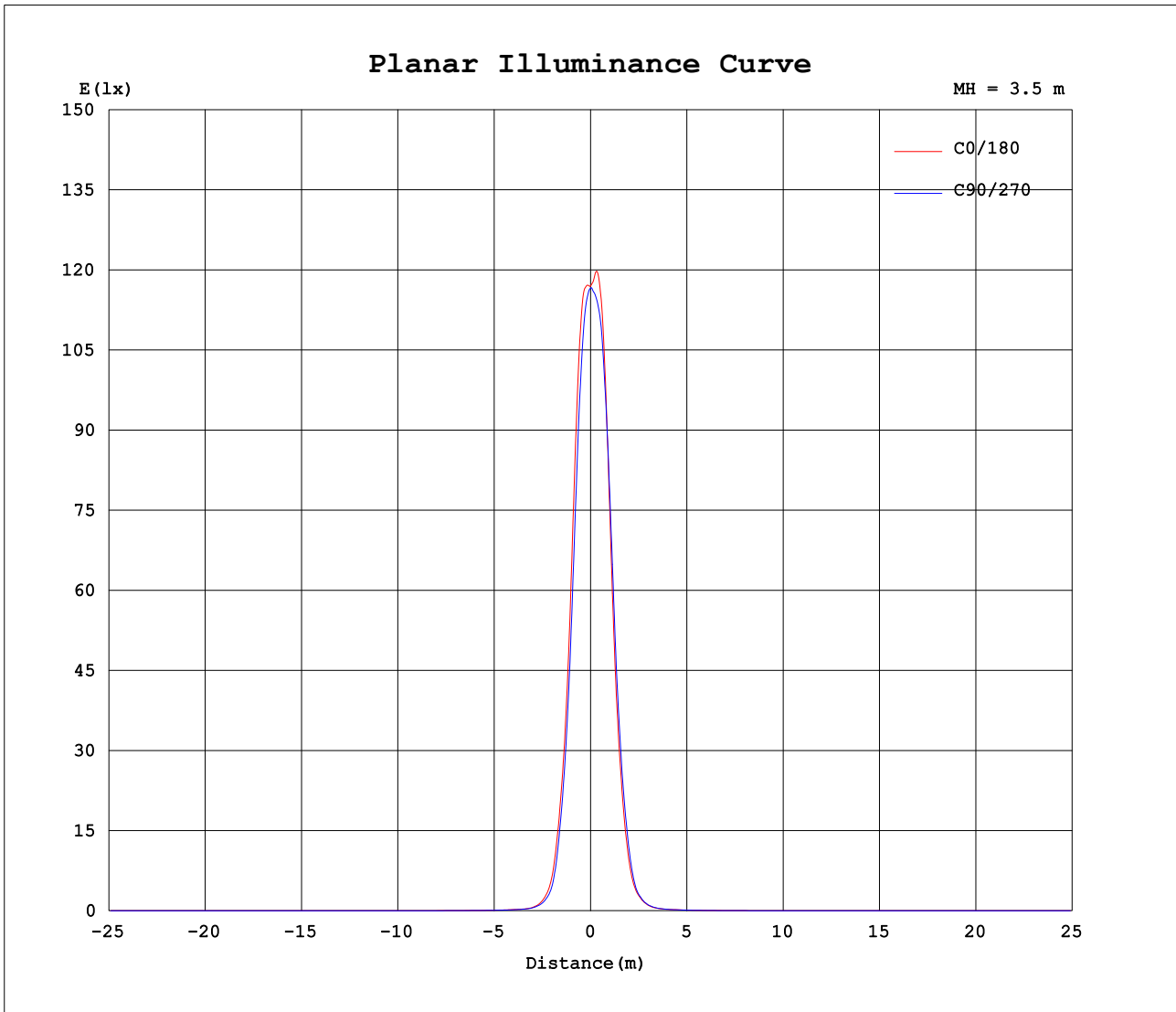
AvgL	cd/m2
L_0~180 (65) av	2746
L_0~180 (75) av	2304
L_0~180 (85) av	1345
L_90~270 (65) av	2513
L_90~270 (75) av	2208
L_90~270 (85) av	1430
L_45 (65) av	2680
L_45 (75) av	2257
L_45 (85) av	1379

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:YY  
Test Date:2019-07-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2019-07-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:12.08V I:0.6034A P:6.790W PF:0.9315 Freq:0Hz Lamp Flux:634.135x1 lm		
NAME: MRI6-7.5-827-35D-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	1433	1432	1431	1429	1428	1427	1426	1425	1433	1432	1431	1429	1428	1427	1426	1425			
5	1443	1432	1416	1392	1378	1394	1430	1463	1484	1475	1450	1426	1420	1429	1437	1439			
10	1311	1281	1255	1200	1169	1216	1310	1384	1427	1450	1448	1391	1362	1398	1389	1345			
15	946	893	851	812	802	856	956	1046	1112	1195	1249	1191	1138	1153	1115	1016			
20	546	503	471	456	459	495	558	624	682	757	820	803	762	742	688	602			
25	286	247	223	219	229	247	277	325	375	417	451	456	434	406	365	323			
30	114	98.7	88.7	81.5	81.9	92.1	112	137	167	192	208	214	206	185	159	137			
35	48.2	45.6	45.4	39.0	36.5	42.6	53.3	61.8	70.8	81.1	86.0	82.8	77.1	74.1	69.3	58.7			
40	20.4	21.1	22.0	18.6	17.3	21.4	26.8	29.9	32.3	38.8	43.7	39.4	34.6	35.5	33.6	26.1			
45	11.5	11.2	11.9	11.0	10.6	12.3	14.7	15.8	15.8	19.3	23.4	20.2	17.0	17.7	16.9	13.9			
50	9.81	8.96	8.98	8.42	8.32	9.29	10.8	11.9	11.7	12.2	14.0	12.8	11.3	11.4	11.4	11.4			
55	7.86	7.39	7.34	6.90	6.81	7.47	8.24	8.94	9.12	9.06	9.76	9.09	8.52	8.61	8.74	8.66			
60	6.61	6.17	6.14	5.84	5.86	6.28	6.78	7.37	7.60	7.52	7.83	7.22	6.85	7.01	7.09	7.14			
65	5.34	4.94	4.89	4.67	4.73	5.06	5.38	5.89	6.17	6.14	6.41	6.07	5.81	5.85	5.79	5.74			
70	4.04	3.70	3.60	3.44	3.49	3.74	3.98	4.36	4.66	4.73	4.99	4.80	4.66	4.60	4.41	4.33			
75	2.73	2.46	2.34	2.23	2.27	2.43	2.61	2.92	3.19	3.32	3.54	3.48	3.40	3.29	3.10	2.96			
80	1.49	1.29	1.17	1.08	1.11	1.22	1.37	1.60	1.82	1.97	2.16	2.18	2.13	2.01	1.85	1.69			
85	0.46	0.35	0.29	0.26	0.28	0.33	0.43	0.56	0.70	0.82	0.94	0.98	0.96	0.87	0.73	0.59			
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.07	0.11	0.18	0.20	0.19	0.16	0.10	0.05			
95	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
100	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
105	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05			
110	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06			
115	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	0.07	0.07			
120	0.09	0.10	0.10	0.11	0.12	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.09			
125	0.12	0.13	0.13	0.15	0.17	0.15	0.14	0.13	0.14	0.13	0.11	0.11	0.11	0.11	0.11	0.12			
130	0.18	0.18	0.20	0.27	0.30	0.25	0.19	0.19	0.21	0.19	0.15	0.15	0.16	0.15	0.15	0.17			
135	0.27	0.20	0.19	0.22	0.22	0.25	0.22	0.33	2.50	3.78	1.60	2.76	1.76	4.07	0.62	1.05			
140	0.20	0.19	0.20	0.21	0.20	0.20	0.20	0.20	0.21	0.19	0.18	0.19	0.18	0.20	0.19	0.19			
145	0.20	0.21	0.22	0.21	0.20	0.22	0.22	0.21	0.19	0.17	0.16	0.18	0.19	0.18	0.17	0.18			
150	0.22	0.24	0.23	0.21	0.22	0.23	0.24	0.23	0.21	0.20	0.19	0.20	0.21	0.21	0.20	0.20			
155	0.25	0.25	0.23	0.18	0.17	0.23	0.24	0.25	0.22	0.22	0.21	0.19	0.20	0.22	0.22	0.22			
160	0.25	0.25	0.21	0.26	0.25	0.19	0.24	0.24	0.22	0.21	0.20	0.19	0.19	0.19	0.22	0.23			
165	0.24	0.21	0.22	0.22	0.19	0.19	0.20	0.22	0.20	0.20	0.19	0.18	0.18	0.20	0.17	0.21			
170	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	0.13	0.13			
175	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	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  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:YY  
 Test Date:2019-07-30

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: