

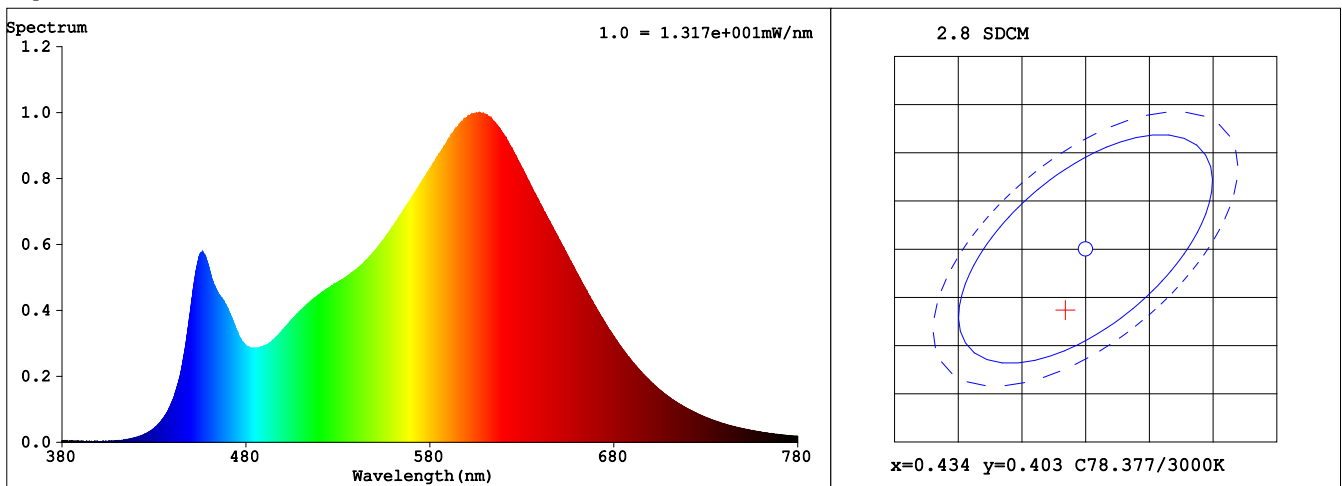
Spectrum Test Report

Sample	:	Date	:	2019-07-29 19:27:48
Specification	:	Sam. Status	:	
Sample No.	:	Standard	:	
Manufacturer	:	Instrument	:	HaasSuite(EVERFINE)
Remark	:	Test by	:	

Test Condition

Temperature	:	25.5Deg	RH	:	30.1%
WL Range	:	380nm-780nm	IP	:	47953 (73%)
Test Mode	:	Fast Test	T	:	259 ms
Sensitivity	:	High			

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4323$ $y = 0.3969$ / $u' = 0.2507$ $v' = 0.5178$ ($duv = -2.26e-03$)

CCT= 3020K Prcp WL: $L_d = 583.6\text{nm}$ Purity=48.9%

Peak WL: $L_p = 607\text{nm}$ FWHM: =126.8nm Ratio:R=23.6% G=73.1% B=3.3%

Render Index: $R_a = 85.5$ TM30:Rf=84 Rg=95

R1 =86 R2 =97 R3 =92 R4 =82 R5 =87 R6 =95 R7 =82

R8 =63 R9 =22 R10=92 R11=83 R12=78 R13=89 R14=96 R15=79

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

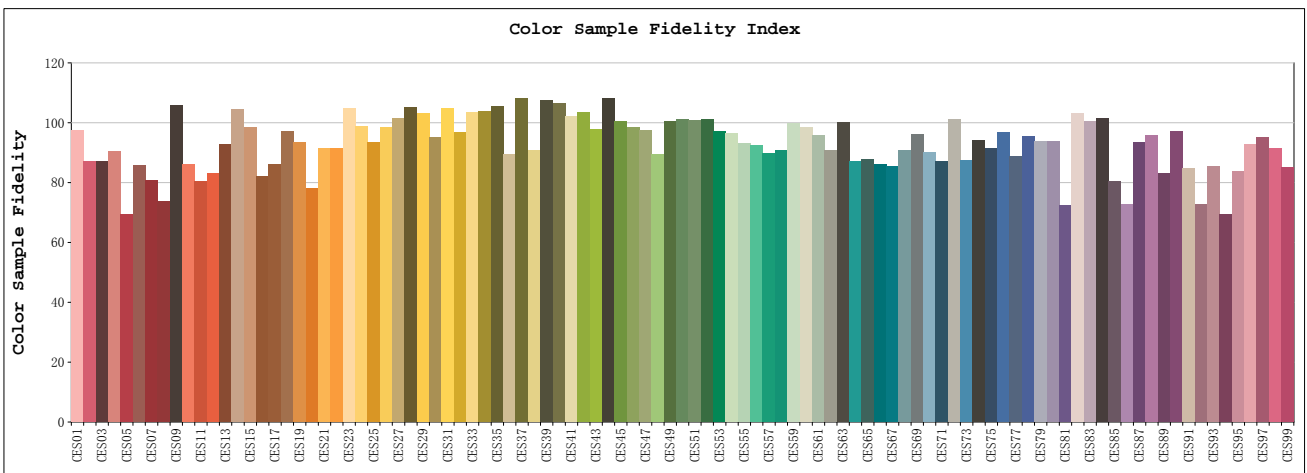
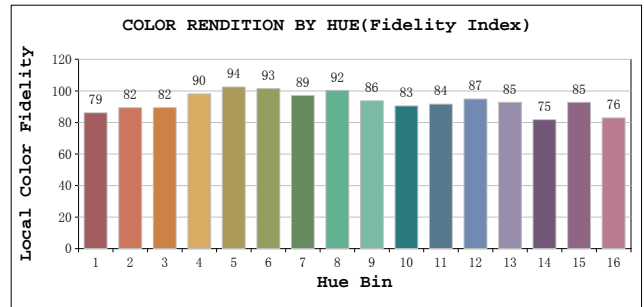
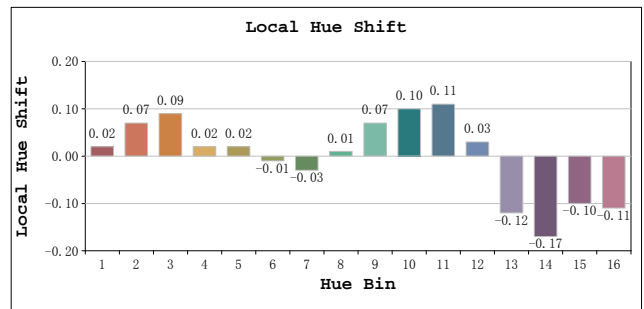
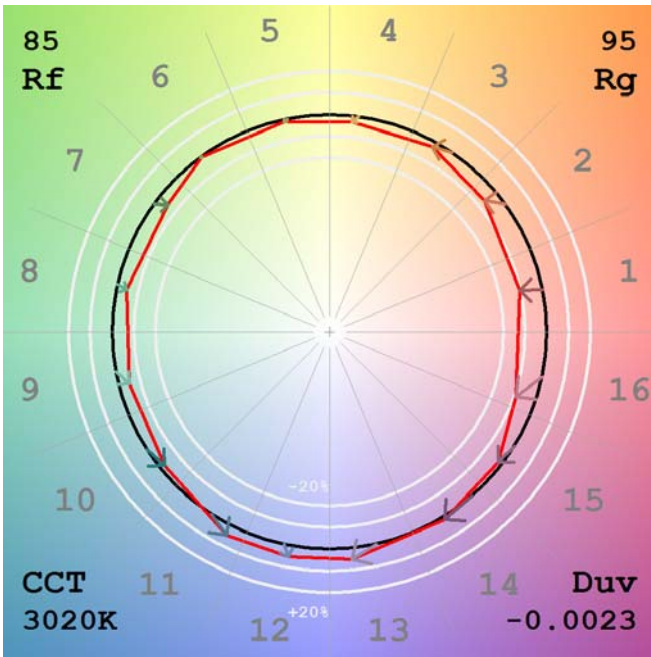
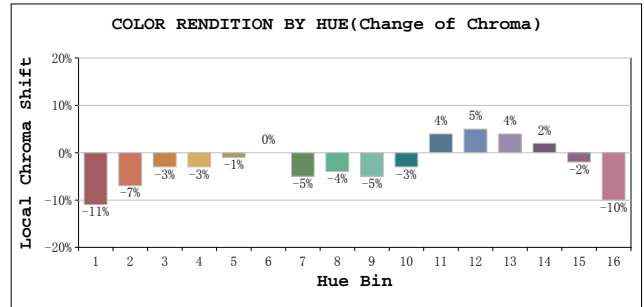
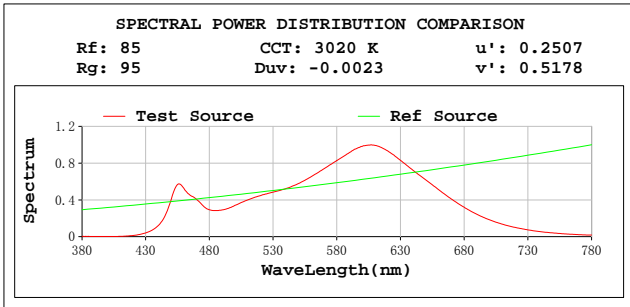
Flux = 631.63 lm Eff. : 92.61 lm/W $F_e = 2.0087\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):9.7703 Flu. and blue light ratio:7.619 Fluorescent eff.:243.1

Electrical parameters

V = 12.05 V I = 0.6064 A P = 6.820 W PF = 0.9333

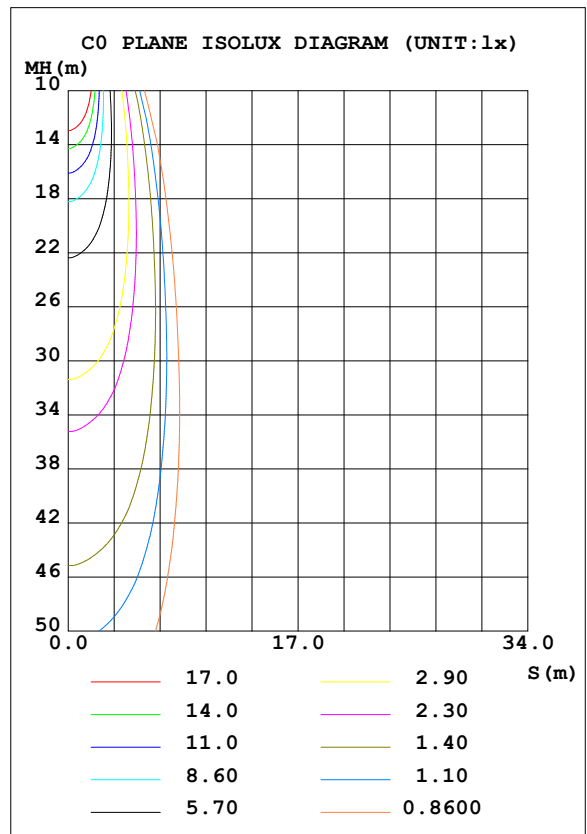
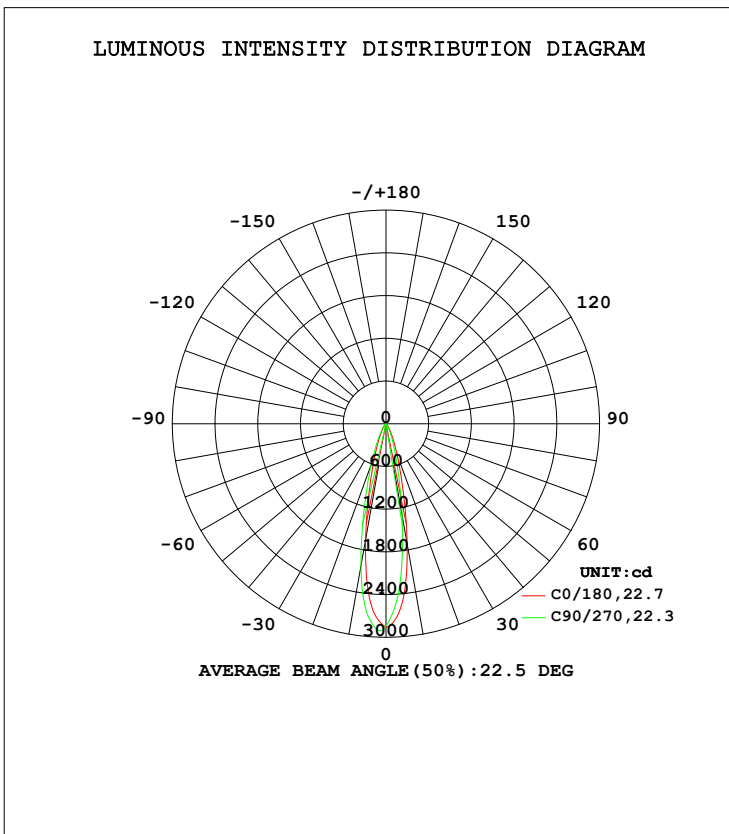
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.04 lm/W			
MODEL		I _{max} (cd)	2909	S/MH (C0/180)	0.38
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.45
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	651.97	η UP, DN (C0-180)	0.1, 42.1
NOMINAL FLUX (lm)	651.969	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 57.8
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	12	η down (%)	99.8	CIBSE SHR MAX	1.00



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

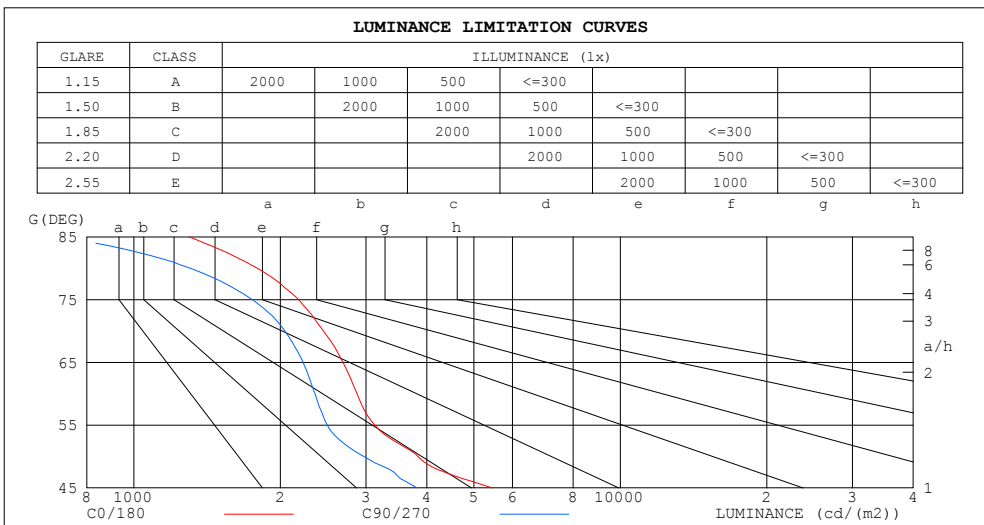
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	2547	2348	2260	2324	2517	2673	2740	2680	0- 5	63.81	63.81	9.79,9.79
10	1715	1421	1308	1399	1649	1903	2030	1961	5- 10	148.1	211.9	32.5,32.5
15	892.8	701.4	622.9	690.7	853.4	1054	1153	1093	10- 15	145.3	357.2	54.8,54.8
20	447.6	343.4	306.0	339.8	430.4	546.9	605.2	568.4	15- 20	103.7	460.9	70.7,70.7
25	234.8	175.2	152.2	171.4	224.0	284.0	315.9	294.7	20- 25	68.06	528.9	81.1,81.1
30	121.2	89.91	76.22	89.48	121.4	152.5	167.7	156.3	25- 30	42.57	571.5	87.7,87.7
35	66.43	50.07	39.36	49.92	69.11	87.06	93.56	87.93	30- 35	26.90	598.4	91.8,91.8
40	37.03	29.30	21.64	28.09	35.27	51.09	51.57	51.85	35- 40	17.16	615.6	94.4,94.4
45	19.11	16.97	13.42	16.39	18.94	29.01	27.44	29.12	40- 45	10.67	626.3	96.1,96.1
50	12.24	11.02	9.463	10.96	12.55	16.81	14.71	16.50	45- 50	6.721	633.0	97.1,97.1
55	8.899	8.119	7.105	8.177	9.263	10.90	9.731	10.58	50- 55	4.695	637.7	97.8,97.8
60	7.133	6.522	5.841	6.536	7.485	8.315	7.581	8.095	55- 60	3.726	641.4	98.4,98.4
65	5.638	5.162	4.669	5.110	5.982	6.561	6.181	6.339	60- 65	3.129	644.5	98.9,98.9
70	4.163	3.815	3.466	3.736	4.460	4.938	4.752	4.702	65- 70	2.518	647.0	99.2,99.2
75	2.799	2.478	2.247	2.412	2.996	3.423	3.371	3.226	70- 75	1.858	648.9	99.5,99.5
80	1.545	1.266	1.124	1.222	1.665	2.004	2.046	1.888	75- 80	1.187	650.1	99.7,99.7
85	0.5612	0.3821	0.3031	0.3617	0.5781	0.8297	0.9012	0.7761	80- 85	0.5768	650.7	99.8,99.8
90	0.0453	0.0425	0.0407	0.0410	0.0435	0.1526	0.1912	0.1267	85- 90	0.1533	650.8	99.8,99.8
95	0.0445	0.0462	0.0443	0.0444	0.0440	0.0451	0.0436	0.0449	90- 95	0.0270	650.8	99.8,99.8
100	0.0504	0.0538	0.0512	0.0519	0.0494	0.0502	0.0477	0.0502	95-100	0.0258	650.9	99.8,99.8
105	0.0589	0.0637	0.0607	0.0618	0.0575	0.0584	0.0548	0.0586	100-105	0.0294	650.9	99.8,99.8
110	0.0707	0.0742	0.0733	0.0721	0.0691	0.0686	0.0647	0.0687	105-110	0.0338	650.9	99.8,99.8
115	0.0836	0.0864	0.0867	0.0845	0.0824	0.0808	0.0782	0.0796	110-115	0.0387	651.0	99.8,99.8
120	0.0999	0.1047	0.1129	0.1060	0.1026	0.0954	0.0911	0.0940	115-120	0.0441	651.0	99.9,99.9
125	0.1392	0.1365	0.1608	0.1375	0.1493	0.1294	0.1262	0.1215	120-125	0.0540	651.1	99.9,99.9
130	0.2389	0.4486	0.8557	0.6676	0.2496	0.1726	0.1697	0.1674	125-130	0.0797	651.1	99.9,99.9
135	0.2673	0.2108	0.2430	0.2129	0.2772	0.2477	0.3848	0.2675	130-135	0.3986	651.5	99.9,99.9
140	0.2795	0.2907	0.2883	0.2274	0.2662	0.2728	0.2255	0.2660	135-140	0.0936	651.6	99.9,99.9
145	0.2508	0.2556	0.2305	0.2248	0.2420	0.2380	0.2267	0.2498	140-145	0.0851	651.7	100,100
150	0.2290	0.2396	0.2076	0.2375	0.2126	0.2038	0.2171	0.2107	145-150	0.0674	651.8	100,100
155	0.2365	0.2169	0.1526	0.2409	0.2218	0.2098	0.2077	0.2163	150-155	0.0553	651.8	100,100
160	0.2389	0.1947	0.2525	0.2427	0.2265	0.2060	0.1855	0.2173	155-160	0.0455	651.9	100,100
165	0.2463	0.2498	0.2330	0.2395	0.2287	0.2190	0.1878	0.1777	160-165	0.0363	651.9	100,100
170	0.1837	0.1907	0.1962	0.1985	0.1829	0.1812	0.1703	0.1733	165-170	0.0250	652.0	100,100
175	0.1343	0.1234	0.1247	0.1300	0.1371	0.1353	0.1341	0.1361	170-175	0.0120	652.0	100,100
180	0	0	0	0	0.0003	0.0005	0.0005	0.0004	175-180	0.0021	652.0	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:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1298	701
80	1794	1305
75	2180	1750
70	2454	2043
65	2690	2227
60	2876	2355
55	3128	2498
50	3839	2968
45	5450	3827

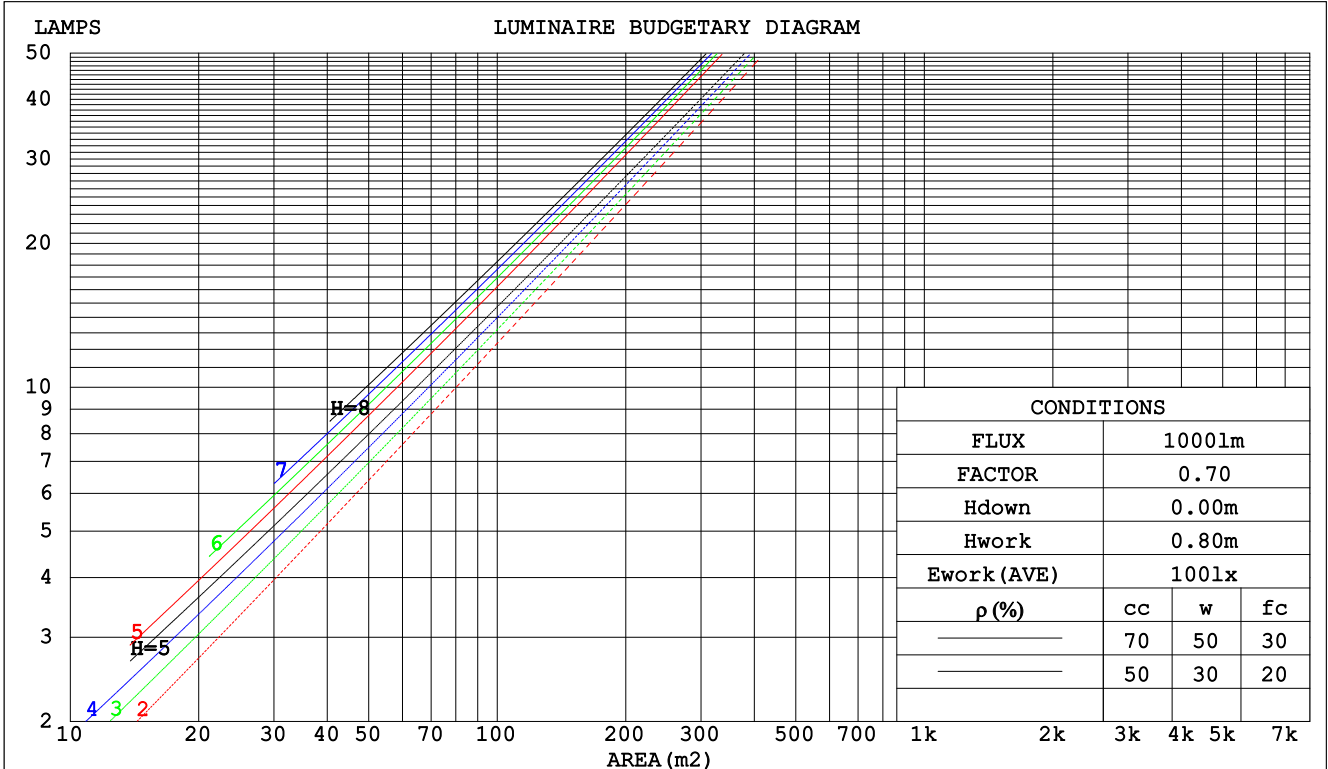
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MRI16-7.5-830-25D-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	1.00	.99	.98	.97	.95
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.99	.97	.98	.96	.95	.96	.94	.93	.91
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.91	.95	.92	.90	.92	.90	.89	.87
4.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.91	.88	.86	.90	.87	.85	.84
5.0	.92	.88	.84	.91	.87	.84	.90	.86	.83	.88	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.78
7.0	.85	.81	.78	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.78	.76	.75
8.0	.82	.78	.75	.82	.78	.75	.81	.77	.74	.80	.77	.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	.72	.70	.75	.72	.69	.75	.72	.69	.68



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:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-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	.151	.086	.027	.144	.082	.026	.132	.076	.024	.120	.069	.022	.110	.064	.020	
2.0	.141	.077	.024	.135	.075	.023	.125	.070	.022	.115	.065	.020	.106	.060	.019	
3.0	.132	.070	.021	.127	.068	.020	.118	.064	.019	.110	.060	.019	.103	.057	.018	
4.0	.123	.064	.019	.120	.063	.018	.112	.059	.018	.105	.056	.017	.099	.054	.016	
5.0	.116	.059	.017	.113	.058	.017	.106	.055	.016	.101	.053	.016	.095	.051	.015	
6.0	.110	.055	.016	.107	.054	.016	.101	.052	.015	.096	.050	.015	.091	.048	.014	
7.0	.104	.052	.015	.102	.051	.014	.097	.049	.014	.092	.047	.014	.088	.046	.013	
8.0	.099	.048	.014	.097	.048	.013	.093	.046	.013	.089	.045	.013	.085	.044	.013	
9.0	.095	.046	.013	.093	.045	.013	.089	.044	.012	.085	.043	.012	.082	.042	.012	
10.0	.090	.043	.012	.089	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.171	.159	.148	.146	.136	.128	.100	.094	.088	.057	.054	.051	.018	.017	.017	
2.0	.153	.134	.118	.131	.115	.102	.090	.080	.071	.052	.046	.042	.017	.015	.014	
3.0	.139	.115	.095	.119	.099	.083	.082	.069	.058	.047	.040	.034	.015	.013	.011	
4.0	.127	.100	.078	.109	.086	.068	.075	.060	.048	.043	.035	.028	.014	.011	.009	
5.0	.117	.087	.066	.101	.076	.057	.069	.053	.040	.040	.031	.024	.013	.010	.008	
6.0	.108	.078	.055	.093	.067	.048	.064	.047	.034	.037	.028	.020	.012	.009	.007	
7.0	.101	.070	.048	.087	.060	.041	.060	.042	.029	.035	.025	.017	.011	.008	.006	
8.0	.095	.063	.041	.081	.055	.036	.056	.038	.025	.033	.023	.015	.011	.007	.005	
9.0	.089	.057	.036	.077	.050	.031	.053	.035	.022	.031	.021	.013	.010	.007	.004	
10.0	.084	.053	.032	.072	.046	.028	.050	.032	.020	.029	.019	.012	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 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:

UGR(Unified Glare Rating) Table

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm										
NAME: MR16-7.5-830-25D-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	10.6	11.3	10.8	11.5	11.7	9.0	9.8	9.2	9.9	10.1
3H	11.2	11.9	11.4	12.1	12.3	9.7	10.4	10.0	10.6	10.8
4H	11.4	12.1	11.7	12.3	12.5	10.0	10.7	10.3	10.9	11.1
6H	11.6	12.2	11.9	12.5	12.7	10.2	10.8	10.4	11.0	11.2
8H	11.6	12.2	11.9	12.5	12.7	10.2	10.8	10.5	11.0	11.3
12H	11.6	12.2	12.0	12.5	12.7	10.1	10.7	10.5	11.0	11.2
4H 2H	10.7	11.4	11.0	11.6	11.8	9.3	10.0	9.6	10.2	10.4
3H	11.5	12.0	11.8	12.3	12.6	10.2	10.8	10.5	11.1	11.3
4H	11.8	12.3	12.2	12.6	12.9	10.6	11.1	10.9	11.4	11.7
6H	12.1	12.5	12.4	12.8	13.2	10.8	11.3	11.2	11.6	11.9
8H	12.1	12.5	12.5	12.9	13.3	10.8	11.3	11.2	11.6	12.0
12H	12.1	12.5	12.5	12.9	13.3	10.8	11.2	11.2	11.6	12.0
8H 4H	11.9	12.3	12.2	12.6	13.0	10.7	11.1	11.1	11.5	11.9
6H	12.2	12.5	12.6	12.9	13.3	11.0	11.3	11.4	11.7	12.2
8H	12.2	12.6	12.7	13.0	13.4	11.0	11.4	11.5	11.8	12.2
12H	12.3	12.6	12.8	13.0	13.5	11.0	11.3	11.5	11.8	12.2
12H 4H	11.8	12.2	12.2	12.6	13.0	10.7	11.1	11.1	11.5	11.8
6H	12.1	12.4	12.6	12.9	13.3	11.0	11.3	11.4	11.7	12.2
8H	12.2	12.5	12.7	12.9	13.4	11.1	11.3	11.5	11.8	12.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.3					+ 0.7 / - 0.9				
1.5H	+ 2.8 / - 1.1					+ 1.2 / - 0.9				
2.0H	+ 1.5 / - 0.6					+ 0.9 / - 0.6				

CIE Pub.117, 652.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.5)

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:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

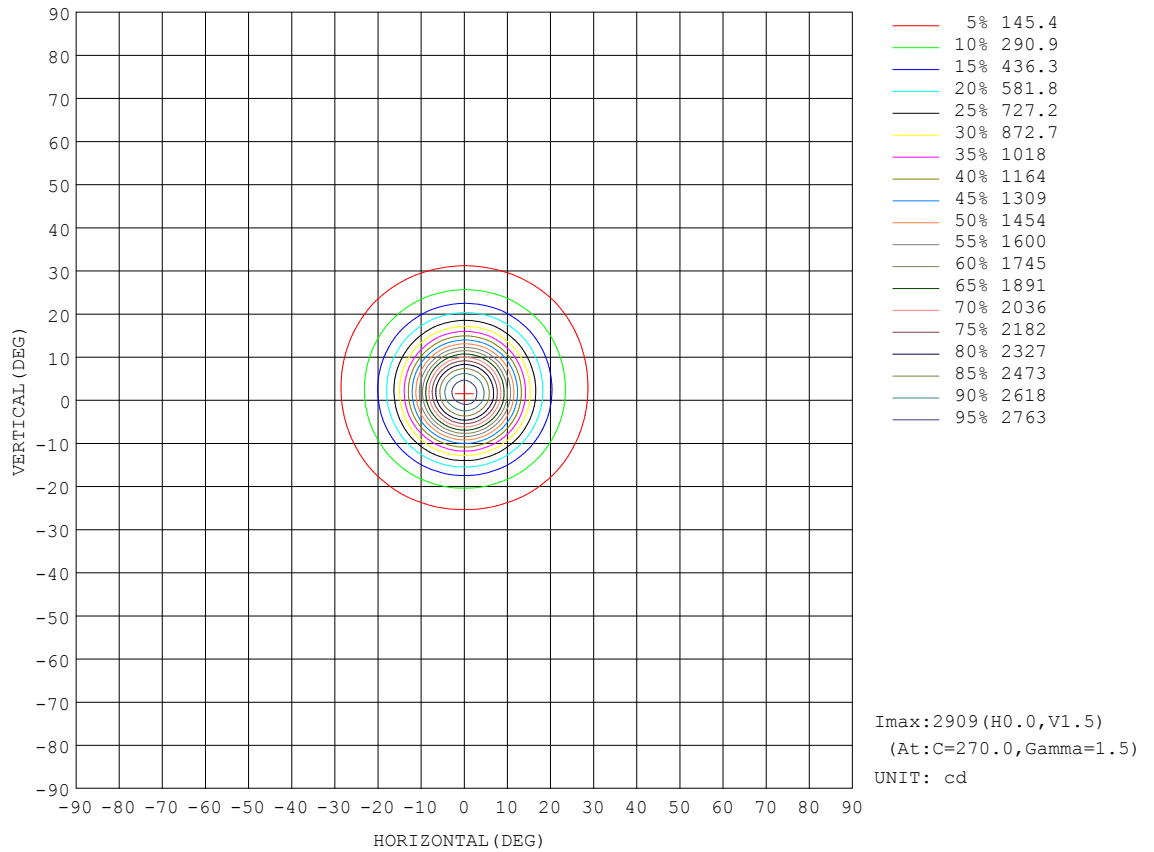
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	81	78	75
0.80	95	90	86	95	89	86	94	89	85	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	97	94	90
1.50	106	101	98	105	101	98	103	99	97	92
2.00	109	104	101	107	103	101	104	101	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	108	108	106	105	98
5.00	115	113	111	113	111	109	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

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:

ISOCANDELA DIAGRAM

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

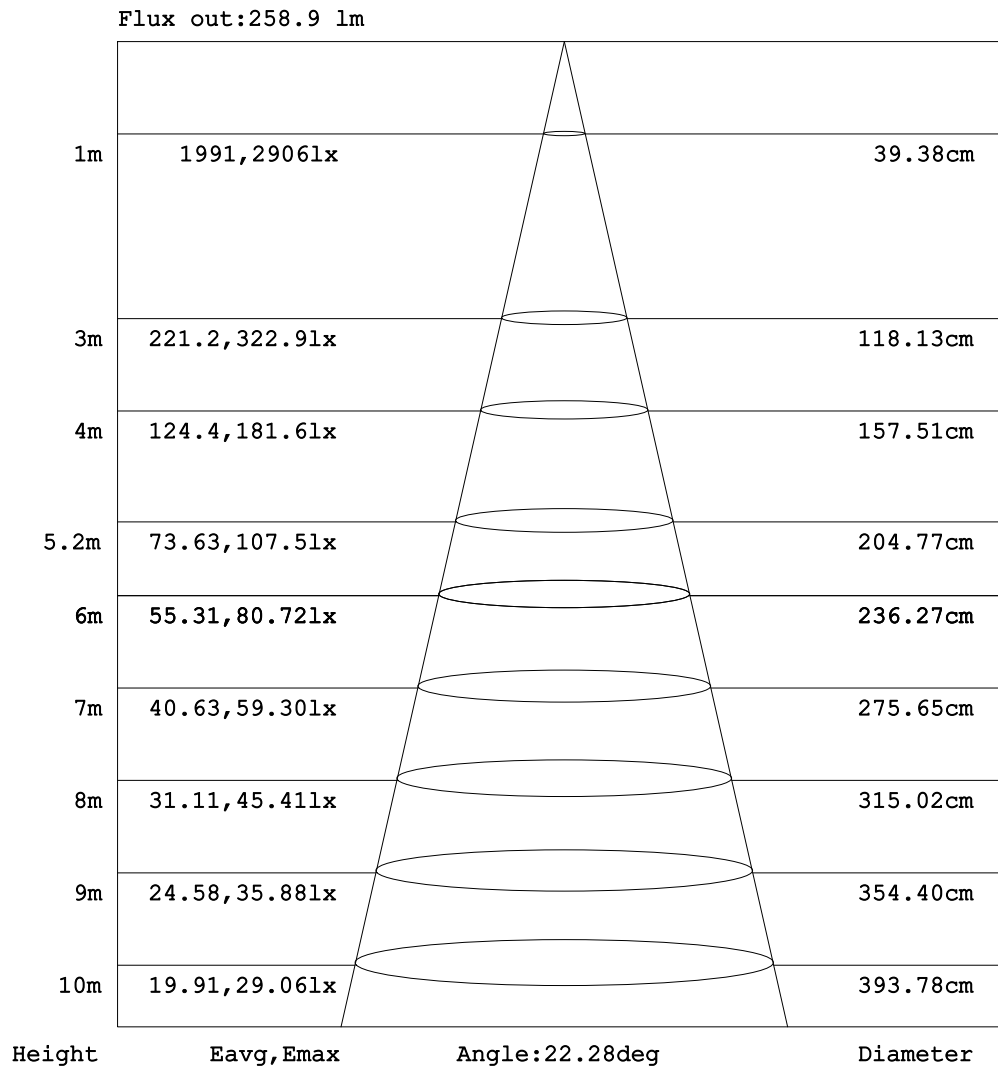


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YY
 Test Date:2019-07-30

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:

AAI Figure

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



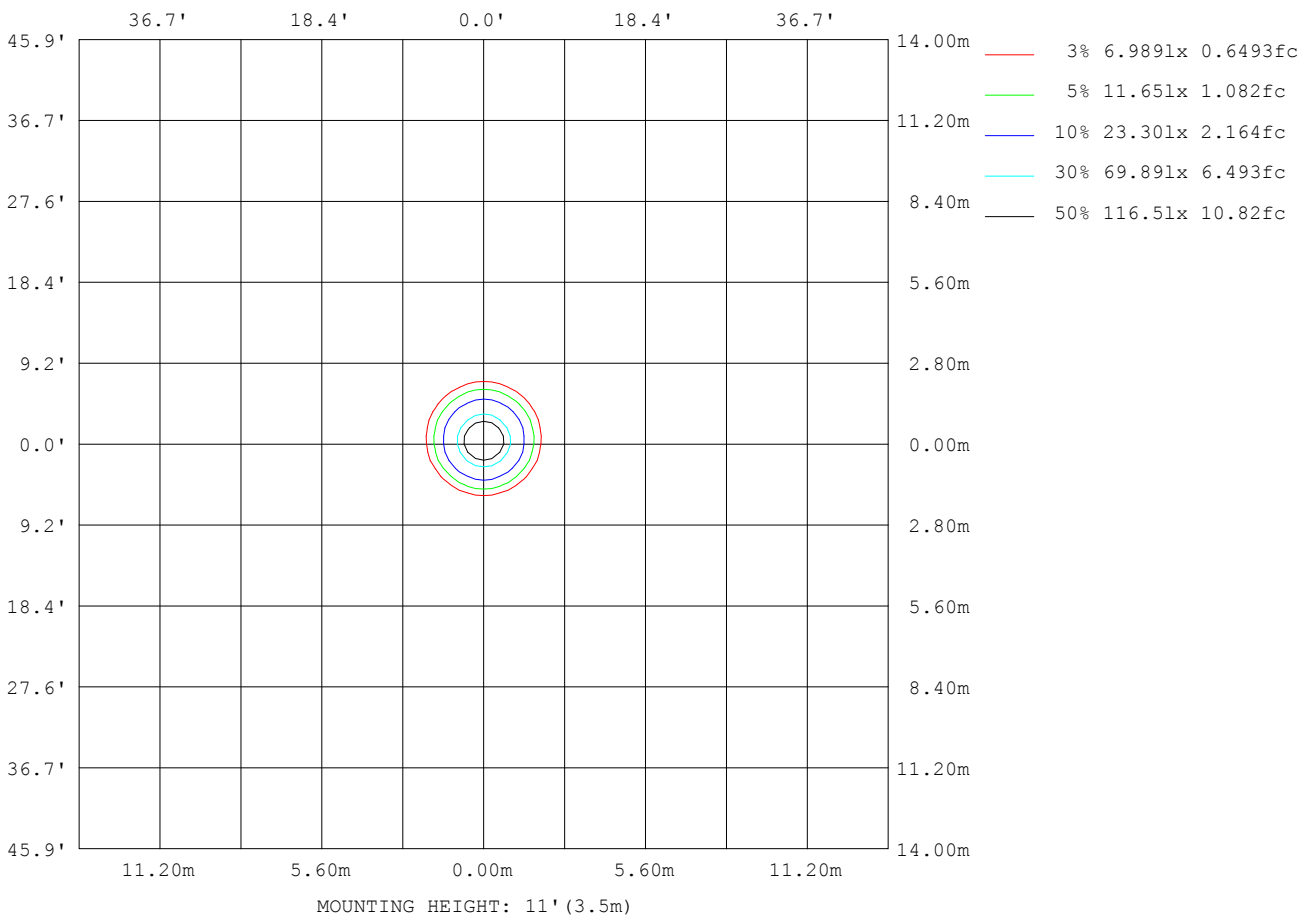
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 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:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-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:25.3DEG
 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:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

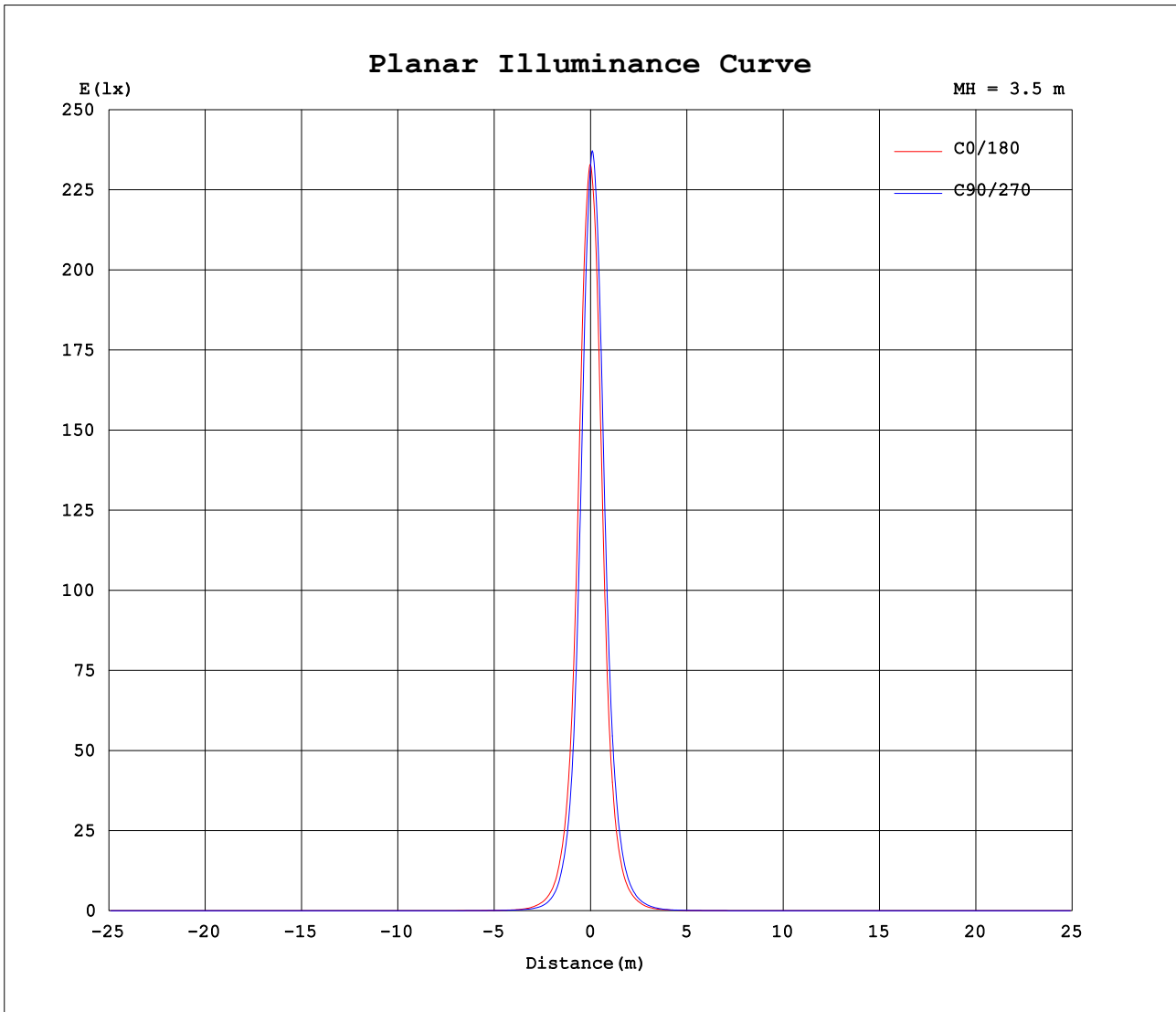
AvgL	cd/m2
L_0~180 (65) av	2772
L_0~180 (75) av	2257
L_0~180 (85) av	1318
L_90~270 (65) av	2588
L_90~270 (75) av	2188
L_90~270 (85) av	1393
L_45 (65) av	2763
L_45 (75) av	2247
L_45 (85) av	1359

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

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.08V I:0.6097A P:6.860W PF:0.9314 Freq:0Hz Lamp Flux:651.969x1 lm		
NAME: MR16-7.5-830-25D-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	2854	2851	2849	2846	2843	2840	2840	2837	2854	2851	2849	2846	2843	2840	2840	2837			
5	2547	2436	2348	2286	2260	2271	2324	2411	2517	2606	2673	2717	2740	2717	2680	2614			
10	1715	1550	1421	1337	1308	1328	1399	1514	1649	1787	1903	1985	2030	2018	1961	1844			
15	893	789	701	643	623	640	691	766	853	962	1054	1122	1153	1149	1093	994			
20	448	390	343	315	306	314	340	377	430	492	547	587	605	603	568	509			
25	235	202	175	158	152	158	171	196	224	255	284	305	316	312	295	264			
30	121	103	89.9	80.1	76.2	80.8	89.5	103	121	138	152	163	168	165	156	139			
35	66.4	56.2	50.1	43.1	39.4	42.9	49.9	57.0	69.1	78.4	87.1	91.7	93.6	92.6	87.9	78.0			
40	37.0	32.5	29.3	24.1	21.6	24.1	28.1	31.4	35.3	43.2	51.1	53.0	51.6	54.3	51.9	44.1			
45	19.1	18.3	17.0	14.6	13.4	14.5	16.4	18.2	18.9	23.1	29.0	29.5	27.4	29.7	29.1	23.7			
50	12.2	11.8	11.0	9.90	9.46	9.95	11.0	12.2	12.5	13.8	16.8	16.2	14.7	16.4	16.5	14.0			
55	8.90	8.49	8.12	7.41	7.11	7.49	8.18	9.05	9.26	9.56	10.9	10.4	9.73	10.5	10.6	9.79			
60	7.13	6.82	6.52	6.09	5.84	6.11	6.54	7.22	7.48	7.55	8.32	8.05	7.58	8.07	8.10	7.71			
65	5.64	5.35	5.16	4.86	4.67	4.84	5.11	5.61	5.98	6.04	6.56	6.45	6.18	6.41	6.34	6.04			
70	4.16	3.95	3.82	3.59	3.47	3.55	3.74	4.11	4.46	4.58	4.94	4.90	4.75	4.83	4.70	4.49			
75	2.80	2.61	2.48	2.32	2.25	2.28	2.41	2.71	3.00	3.17	3.42	3.43	3.37	3.36	3.23	3.08			
80	1.54	1.38	1.27	1.17	1.12	1.14	1.22	1.44	1.67	1.83	2.00	2.06	2.05	2.01	1.89	1.76			
85	0.56	0.46	0.38	0.33	0.30	0.32	0.36	0.46	0.58	0.71	0.83	0.89	0.90	0.86	0.78	0.68			
90	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.09	0.15	0.19	0.19	0.17	0.13	0.08			
95	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.05			
100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
105	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06			
110	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07			
115	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
120	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.10			
125	0.14	0.14	0.14	0.15	0.16	0.15	0.14	0.14	0.15	0.14	0.13	0.12	0.13	0.12	0.12	0.13			
130	0.24	0.23	0.45	1.40	0.86	1.57	0.67	0.24	0.25	0.21	0.17	0.17	0.17	0.17	0.17	0.21			
135	0.27	0.22	0.21	0.25	0.24	0.23	0.21	0.22	0.28	0.30	0.25	0.65	0.38	0.80	0.27	0.34			
140	0.28	0.27	0.29	0.33	0.29	0.26	0.23	0.23	0.27	0.26	0.27	0.24	0.23	0.25	0.27	0.27			
145	0.25	0.26	0.26	0.24	0.23	0.23	0.22	0.23	0.24	0.24	0.24	0.25	0.23	0.25	0.25	0.24			
150	0.23	0.25	0.24	0.21	0.21	0.22	0.24	0.23	0.21	0.20	0.20	0.22	0.22	0.22	0.21	0.21			
155	0.24	0.24	0.22	0.17	0.15	0.22	0.24	0.25	0.22	0.22	0.21	0.20	0.21	0.22	0.22	0.22			
160	0.24	0.22	0.19	0.26	0.25	0.19	0.24	0.24	0.23	0.22	0.21	0.19	0.19	0.19	0.22	0.22			
165	0.25	0.23	0.25	0.26	0.23	0.23	0.24	0.25	0.23	0.23	0.22	0.20	0.19	0.22	0.18	0.22			
170	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.18			
175	0.13	0.13	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.13	0.14	0.14	0.14			
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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γ Range: 0 - 180DEG
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