

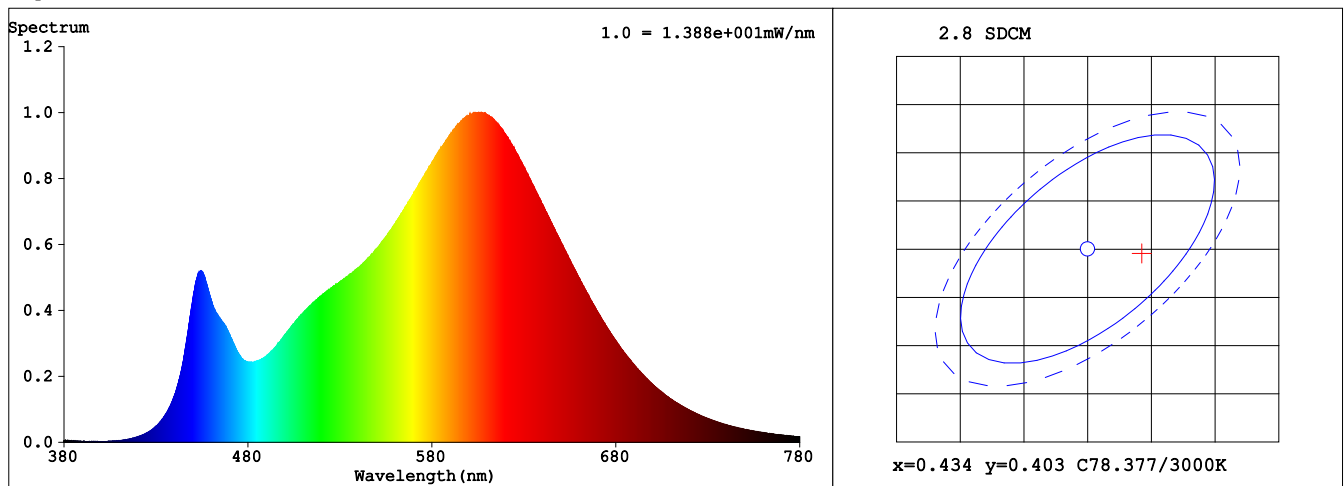
Spectrum Test Report

Sample	:	Date	: 2019-07-30 08:29:47
Specification	:	Sam. Status	:
Sample No.	: MR16-7.5-830-35D-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	: 52704 (80%)
Test Mode	: Fast Test	T	: 269 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4381$ $y = 0.4027$ / $u' = 0.2519$ $v' = 0.5210$ ($duv = -6.94e-04$)

CCT= 2969K Prpc WL: Ld=583.2nm Purity=52.4%

Peak WL: Lp=607nm FWHM: =126.5nm Ratio:R=23.5% G=73.6% B=2.9%

Render Index: Ra = 84.1 TM30:Rf=83 Rg=95

R1 =84 R2 =94 R3 =94 R4 =81 R5 =84 R6 =93 R7 =82

R8 =61 R9 =14 R10=86 R11=81 R12=75 R13=86 R14=98 R15=76

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

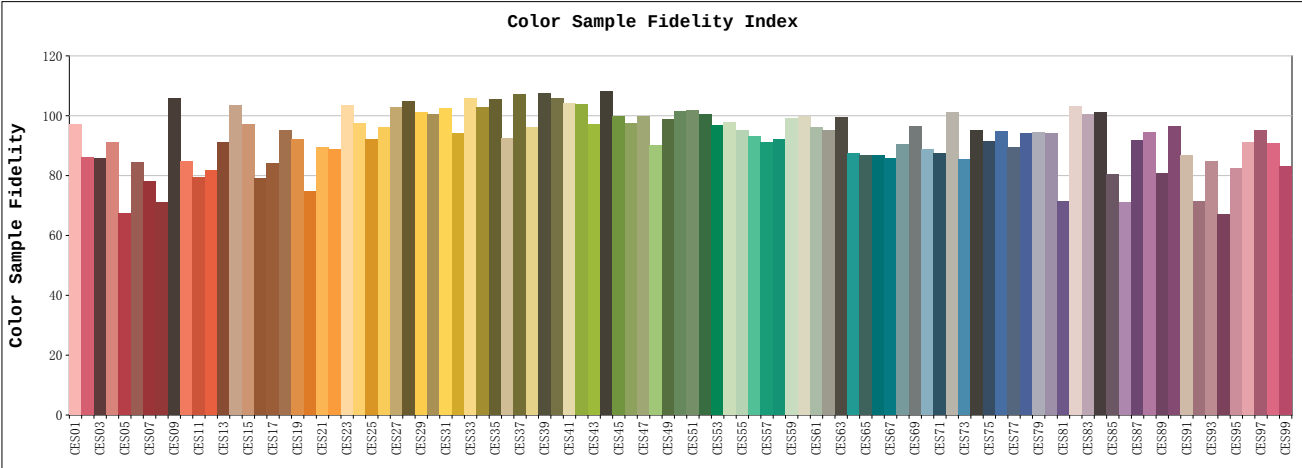
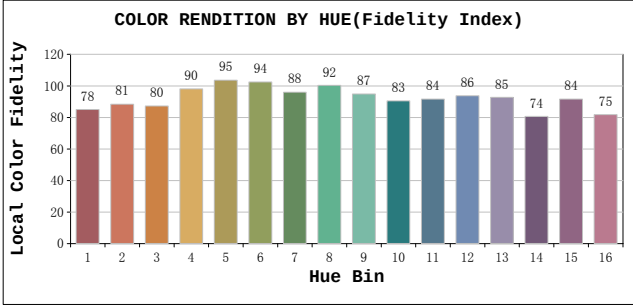
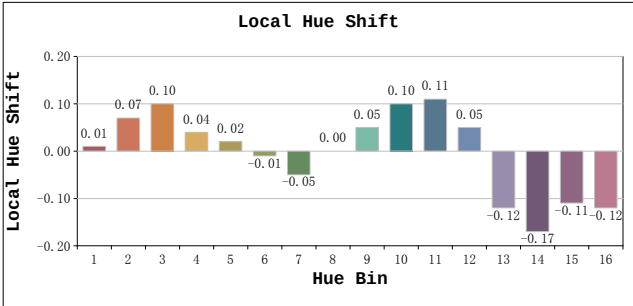
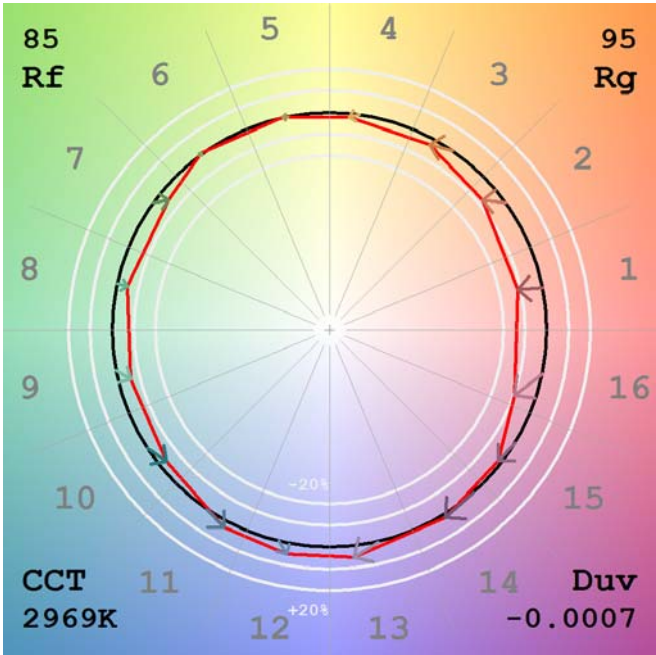
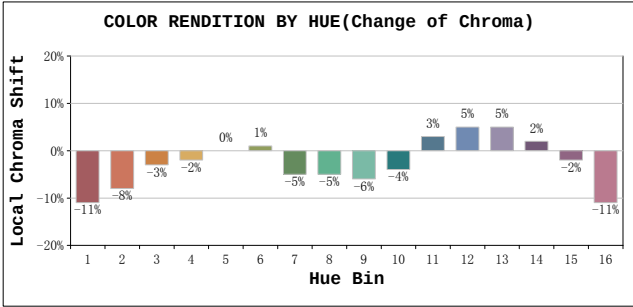
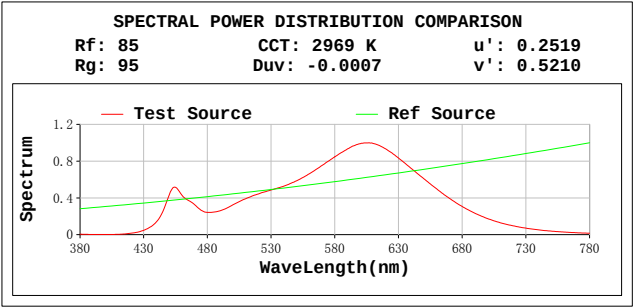
Flux = 668.37 lm Eff. : 97.01 lm/W Fe = 2.0834 W

Flux of emitted photons($\mu\text{mol/s}$):10.149 Fluo. and blue light ratio:8.465 Fluorescent eff.:252.9

Electrical parameters

V = 11.93 V I = 0.6176 A P = 6.890 W PF = 0.9351

TM30

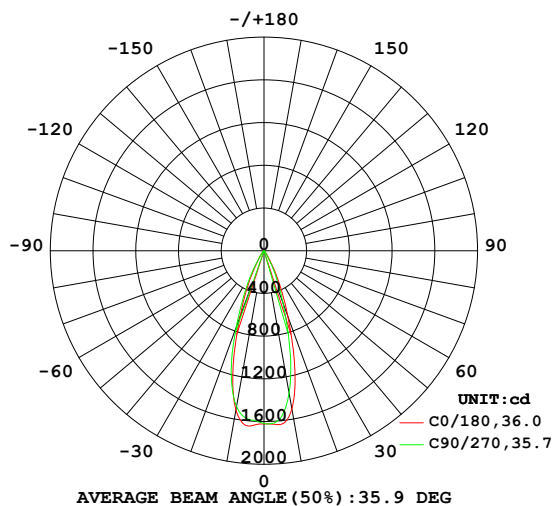


LUMINAIRE PHOTOMETRIC TEST REPORT

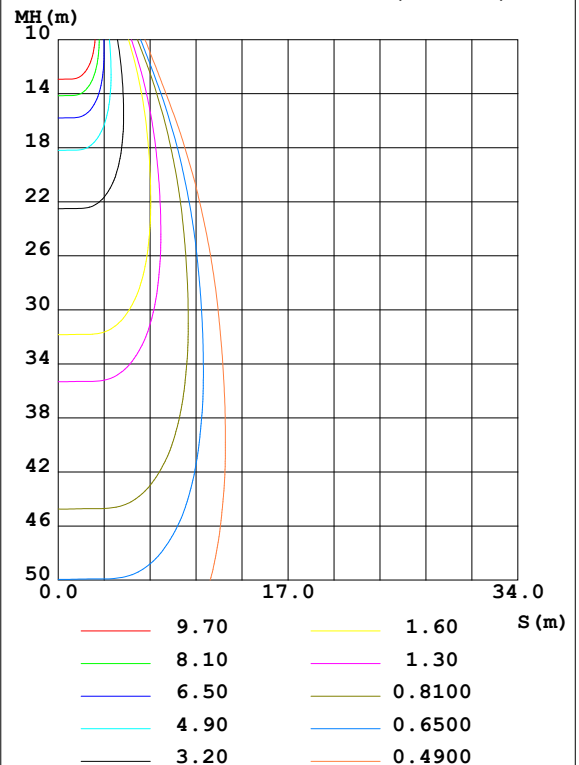
Test:U:12.08V I:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.49 lm/W			
MODEL		Imax (cd)	1647	S/MH (C0/180)	0.58
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.61
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	686.09	η UP,DN (C0-180)	0.1,45.8
NOMINAL FLUX (lm)	686.092	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.1,54.0
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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:

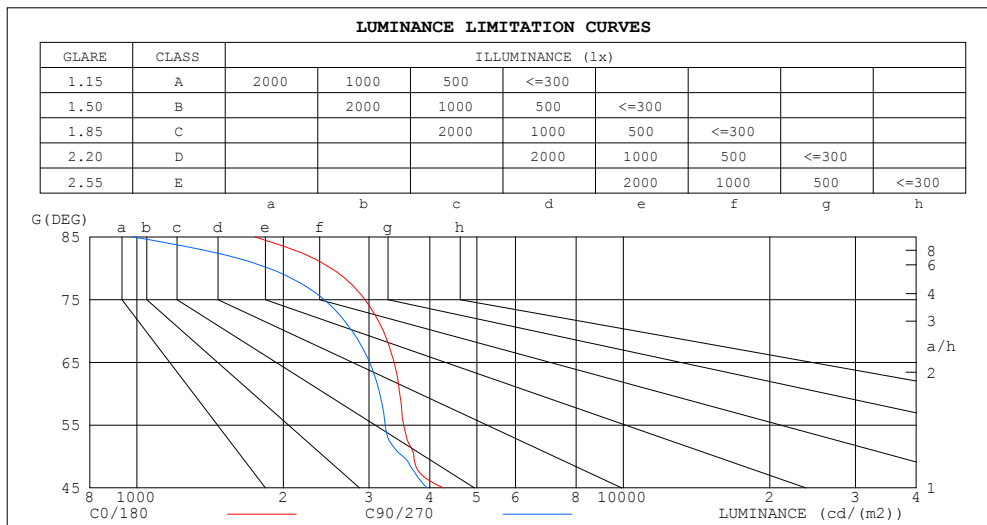
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	1634	1620	1591	1624	1647	1619	1586	1607	0- 5	38.66	38.66	5.64,5.64
10	1503	1448	1354	1461	1515	1544	1482	1549	5- 10	111.6	150.3	21.9,21.9
15	1108	1020	931.3	1039	1117	1231	1187	1234	10- 15	154.2	304.5	44.4,44.4
20	656.1	570.7	522.7	583.6	657.6	755.9	760.0	761.5	15- 20	142.8	447.3	65.2,65.2
25	343.0	281.9	263.6	286.6	353.2	402.3	413.9	403.0	20- 25	101.7	549.0	80,80
30	136.5	110.4	95.51	114.3	148.5	181.5	192.2	176.6	25- 30	58.80	607.8	88.6,88.6
35	57.92	52.16	42.17	55.27	63.96	75.57	69.49	70.78	30- 35	27.58	635.4	92.6,92.6
40	27.15	25.47	21.39	29.34	29.24	38.39	30.37	36.80	35- 40	14.36	649.8	94.7,94.7
45	14.98	15.06	13.86	17.29	15.66	19.57	17.08	20.06	40- 45	8.209	658.0	95.9,95.9
50	11.83	11.89	11.24	12.84	12.32	13.18	12.27	13.50	45- 50	5.697	663.7	96.7,96.7
55	10.06	9.893	9.214	10.26	10.55	10.78	9.871	10.66	50- 55	4.838	668.5	97.4,97.4
60	8.606	8.435	7.829	8.521	8.977	9.099	8.458	8.964	55- 60	4.325	672.9	98.1,98.1
65	7.084	6.812	6.307	6.766	7.330	7.350	7.036	7.302	60- 65	3.789	676.6	98.6,98.6
70	5.447	5.121	4.699	5.011	5.580	5.643	5.559	5.628	65- 70	3.113	679.8	99.1,99.1
75	3.777	3.431	3.117	3.351	3.837	4.014	4.033	3.979	70- 75	2.350	682.1	99.4,99.4
80	2.160	1.832	1.607	1.798	2.211	2.487	2.553	2.431	75- 80	1.551	683.7	99.6,99.6
85	0.7562	0.5364	0.4224	0.5210	0.8018	1.075	1.162	1.022	80- 85	0.7760	684.4	99.8,99.8
90	0.0530	0.0486	0.0490	0.0513	0.0549	0.1455	0.1778	0.1387	85- 90	0.1977	684.6	99.8,99.8
95	0.0488	0.0506	0.0511	0.0541	0.0537	0.0534	0.0508	0.0514	90- 95	0.0305	684.7	99.8,99.8
100	0.0543	0.0581	0.0581	0.0622	0.0602	0.0597	0.0555	0.0570	95-100	0.0297	684.7	99.8,99.8
105	0.0640	0.0690	0.0706	0.0737	0.0705	0.0702	0.0641	0.0667	100-105	0.0338	684.7	99.8,99.8
110	0.0808	0.0828	0.0896	0.0882	0.0886	0.0828	0.0781	0.0784	105-110	0.0397	684.8	99.8,99.8
115	0.0979	0.1035	0.1104	0.1122	0.1088	0.1019	0.0971	0.0946	110-115	0.0473	684.8	99.8,99.8
120	0.1206	0.1344	0.1636	0.1507	0.1526	0.1323	0.1225	0.1182	115-120	0.0574	684.9	99.8,99.8
125	0.1744	0.1784	0.2166	0.1914	0.2084	0.1806	0.1735	0.1629	120-125	0.0740	684.9	99.8,99.8
130	0.2541	0.2509	0.3058	0.2705	0.2841	0.2349	0.2409	0.2231	125-130	0.0950	685.0	99.8,99.8
135	3.195	0.2923	1.359	0.4605	1.783	2.420	1.640	2.265	130-135	0.4203	685.5	99.9,99.9
140	0.2783	0.2560	0.2755	0.2742	0.3149	0.2880	0.2660	0.2626	135-140	0.2606	685.7	99.9,99.9
145	0.2624	0.2740	0.2679	0.2792	0.2687	0.2493	0.2675	0.2303	140-145	0.0887	685.8	100,100
150	0.2818	0.2854	0.2739	0.3058	0.2817	0.2734	0.2711	0.2650	145-150	0.0801	685.9	100,100
155	0.2910	0.2688	0.1951	0.3072	0.2953	0.2877	0.2657	0.2791	150-155	0.0711	686.0	100,100
160	0.2878	0.2230	0.2932	0.2899	0.2857	0.2705	0.2432	0.2766	155-160	0.0579	686.0	100,100
165	0.2596	0.2459	0.2150	0.2374	0.2510	0.2448	0.2154	0.2028	160-165	0.0420	686.1	100,100
170	0.1445	0.1408	0.1420	0.1435	0.1375	0.1399	0.1405	0.1446	165-170	0.0233	686.1	100,100
175	0.0893	0.0848	0.0865	0.0883	0.0913	0.0903	0.0889	0.0891	170-175	0.0085	686.1	100,100
180	0	0	0	0	0.0001	0.0006	0.0005	0.0005	175-180	0.0015	686.1	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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1749	977
80	2507	1866
75	2942	2428
70	3211	2770
65	3380	3009
60	3470	3157
55	3536	3239
50	3711	3526
45	4271	3953

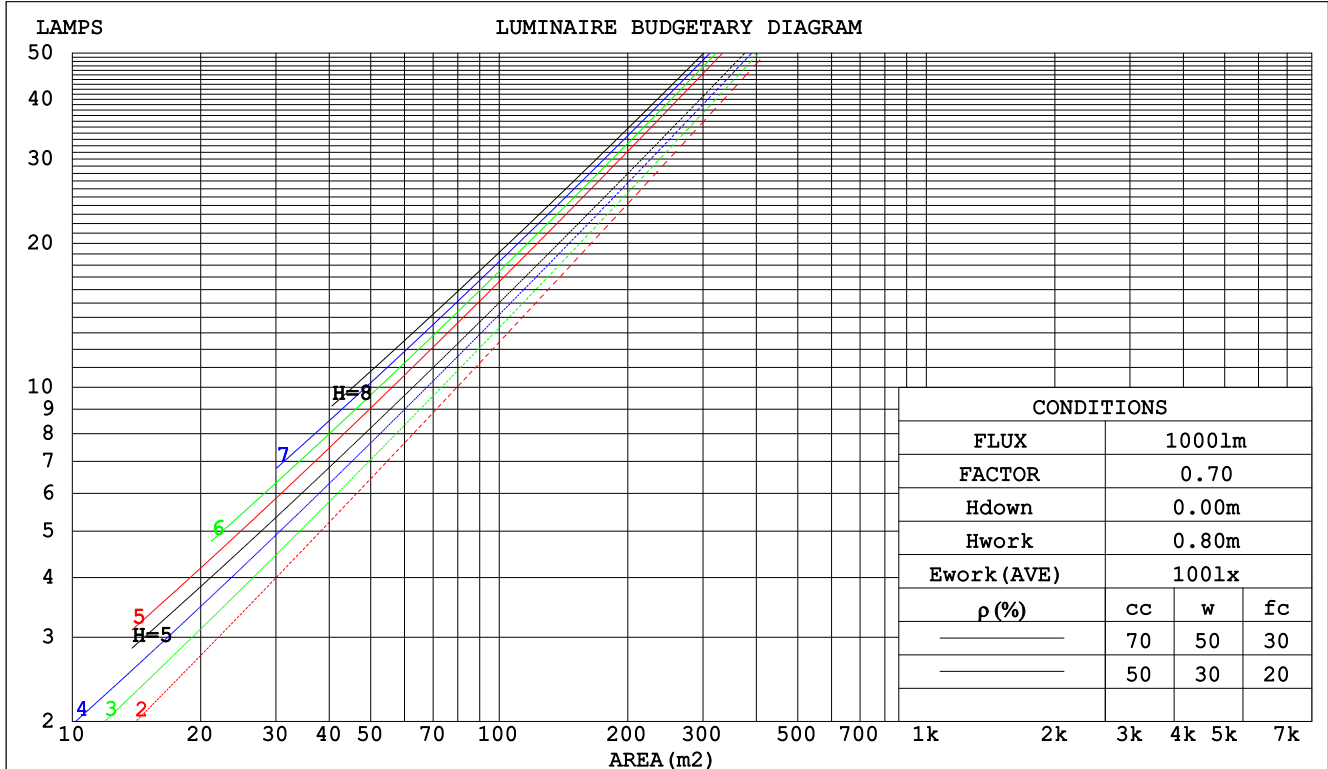
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Humidity:28.2%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.08V I:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-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	1.07	1.10	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.97	.96	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.93	.95	.93	.92	.90
3.0	.00	.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	.85	.82	.79	.78
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.75
7.0	.83	.78	.74	.82	.77	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.72
8.0	.79	.74	.71	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.69
9.0	.76	.71	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.73	.69	.65	.73	.68	.65	.72	.68	.65	.72	.68	.65	.71	.67	.65	.64



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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm								
NAME: MR16-7.5-830-35D-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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.159	.091	.029	.153	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.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	.131	.068	.020	.127	.067	.020	.120	.064	.019	.113	.061	.018	.106	.058	.018	
5.0	.124	.063	.018	.121	.062	.018	.114	.059	.017	.108	.057	.017	.102	.055	.016	
6.0	.118	.059	.017	.115	.058	.017	.109	.056	.016	.104	.054	.016	.099	.052	.015	
7.0	.112	.055	.016	.109	.054	.016	.104	.053	.015	.100	.051	.015	.095	.049	.015	
8.0	.107	.052	.015	.104	.051	.015	.100	.050	.014	.096	.049	.014	.092	.047	.014	
9.0	.102	.049	.014	.100	.049	.014	.096	.047	.013	.092	.046	.013	.089	.045	.013	
10.0	.098	.047	.013	.096	.046	.013	.092	.045	.013	.089	.044	.013	.086	.043	.012	

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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.172	.159	.148	.147	.137	.127	.100	.094	.088	.058	.054	.051	.019	.017	.017	
2.0	.155	.134	.117	.133	.116	.101	.091	.080	.070	.052	.047	.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	.078	.111	.086	.067	.076	.060	.047	.044	.035	.028	.014	.011	.009	
5.0	.120	.088	.065	.103	.076	.056	.071	.053	.040	.041	.031	.024	.013	.010	.008	
6.0	.111	.078	.055	.096	.068	.048	.066	.047	.034	.038	.028	.020	.012	.009	.007	
7.0	.104	.070	.047	.090	.061	.041	.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	.012	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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 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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm											
NAME: MR16-7.5-830-35D-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	2H	10.5	11.3	10.7	11.5	11.6	9.8	10.6	10.0	10.7	10.9
	3H	11.5	12.2	11.7	12.4	12.6	10.7	11.5	11.0	11.7	11.9
	4H	11.9	12.6	12.2	12.8	13.0	11.1	11.8	11.4	12.0	12.3
	6H	12.2	12.9	12.5	13.1	13.3	11.4	12.0	11.6	12.2	12.5
	8H	12.3	12.9	12.6	13.2	13.4	11.4	12.0	11.7	12.3	12.5
	12H	12.3	12.9	12.6	13.2	13.5	11.4	12.0	11.7	12.2	12.5
4H	2H	10.8	11.5	11.1	11.7	12.0	10.2	10.9	10.5	11.1	11.3
	3H	12.0	12.6	12.3	12.9	13.2	11.4	12.0	11.7	12.2	12.5
	4H	12.6	13.1	12.9	13.4	13.7	11.9	12.4	12.2	12.7	13.0
	6H	12.9	13.4	13.3	13.8	14.1	12.2	12.7	12.5	13.0	13.3
	8H	13.1	13.5	13.4	13.9	14.2	12.2	12.7	12.6	13.0	13.4
	12H	13.1	13.5	13.5	13.9	14.3	12.2	12.6	12.6	13.0	13.4
8H	4H	12.7	13.1	13.1	13.5	13.9	12.1	12.5	12.4	12.9	13.2
	6H	13.2	13.5	13.6	13.9	14.3	12.4	12.8	12.9	13.2	13.6
	8H	13.3	13.6	13.8	14.1	14.5	12.5	12.9	13.0	13.3	13.7
	12H	13.4	13.7	13.9	14.1	14.6	12.5	12.8	13.0	13.3	13.7
12H	4H	12.7	13.1	13.1	13.4	13.8	12.0	12.5	12.5	12.8	13.2
	6H	13.2	13.5	13.6	13.9	14.4	12.5	12.8	12.9	13.2	13.6
	8H	13.3	13.6	13.8	14.1	14.5	12.6	12.8	13.0	13.3	13.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.7 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 1.5 / - 0.5					+ 0.8 / - 0.5					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 686.1 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.3$)

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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

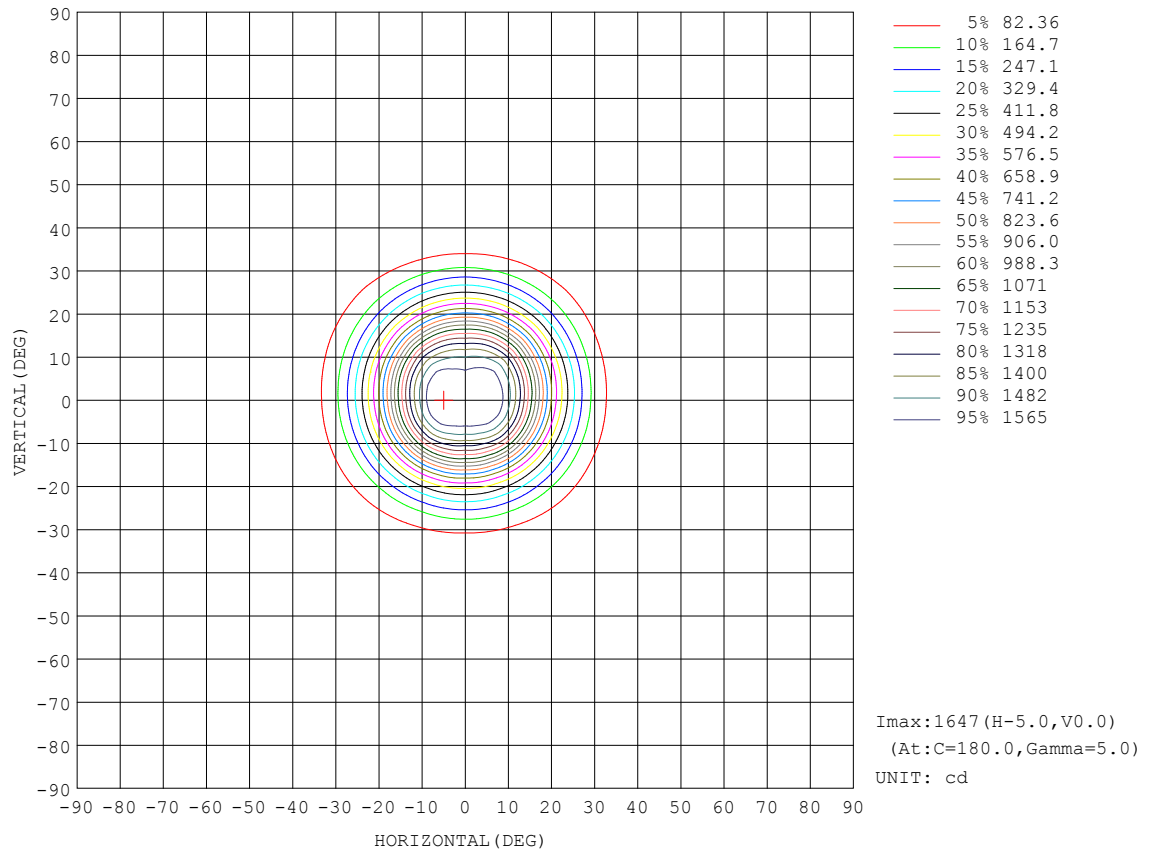
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	82	78	75
0.80	95	90	86	95	89	86	94	89	86	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	106	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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

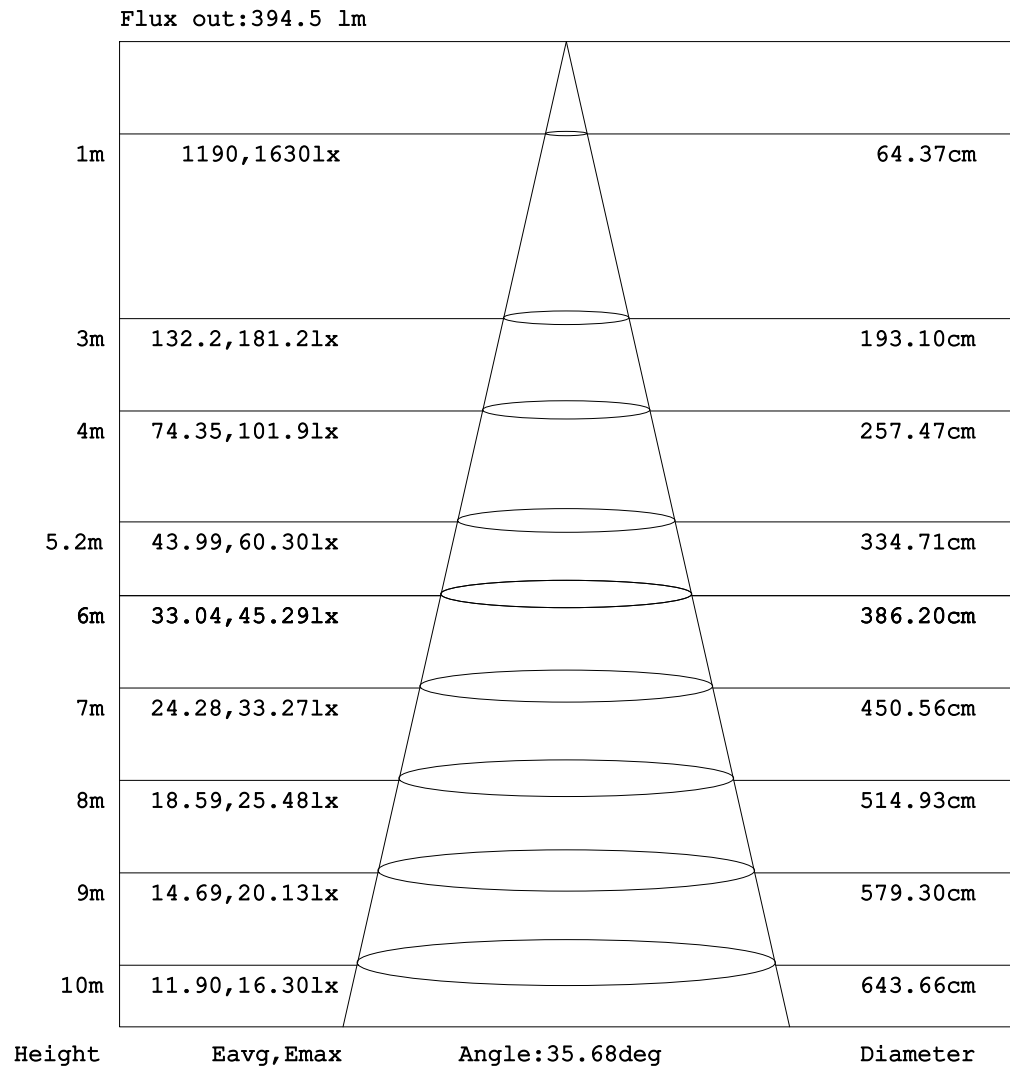


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YY
Test Date:2019-07-30

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:

AAI Figure

Test:U:12.08V I:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



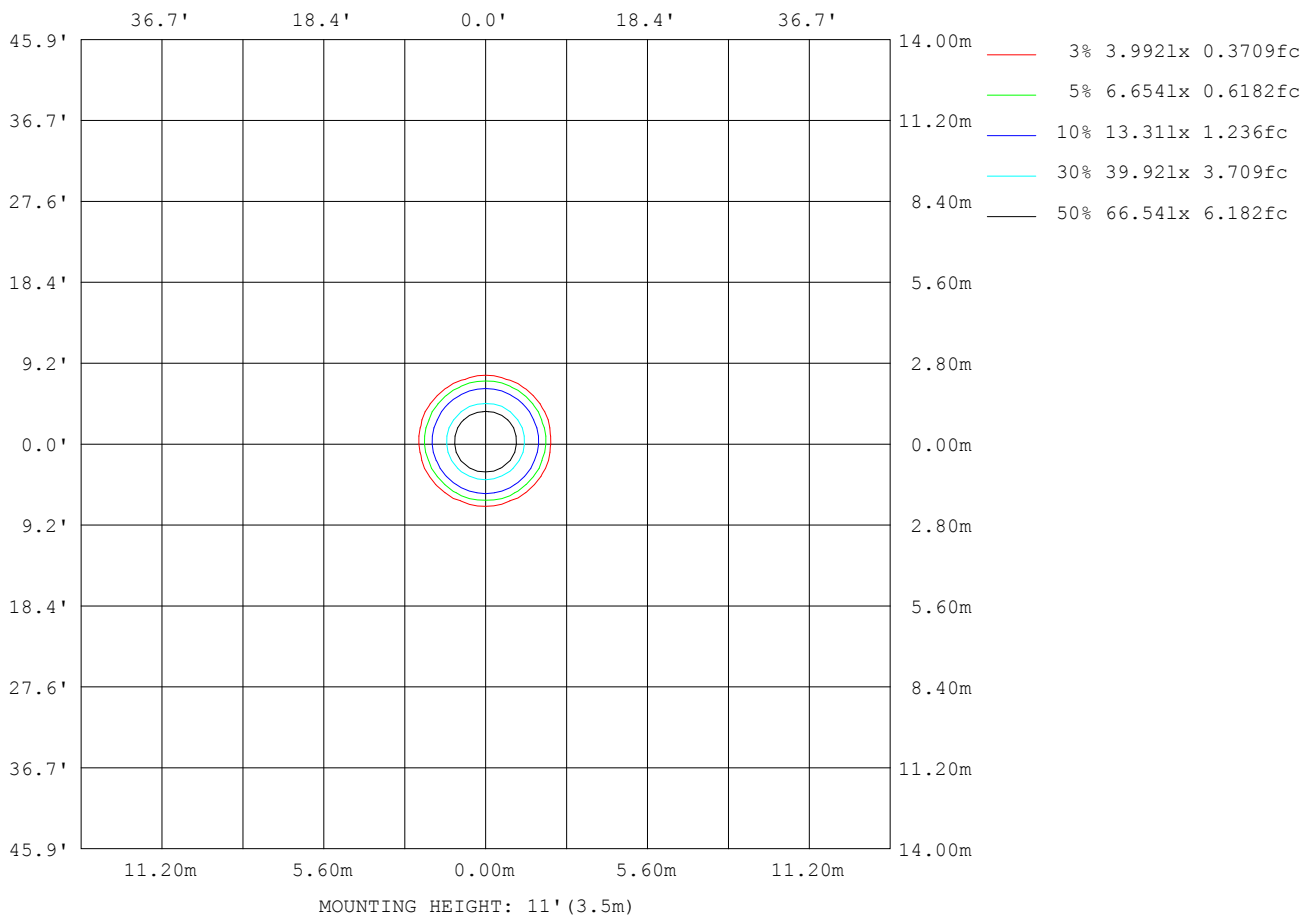
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

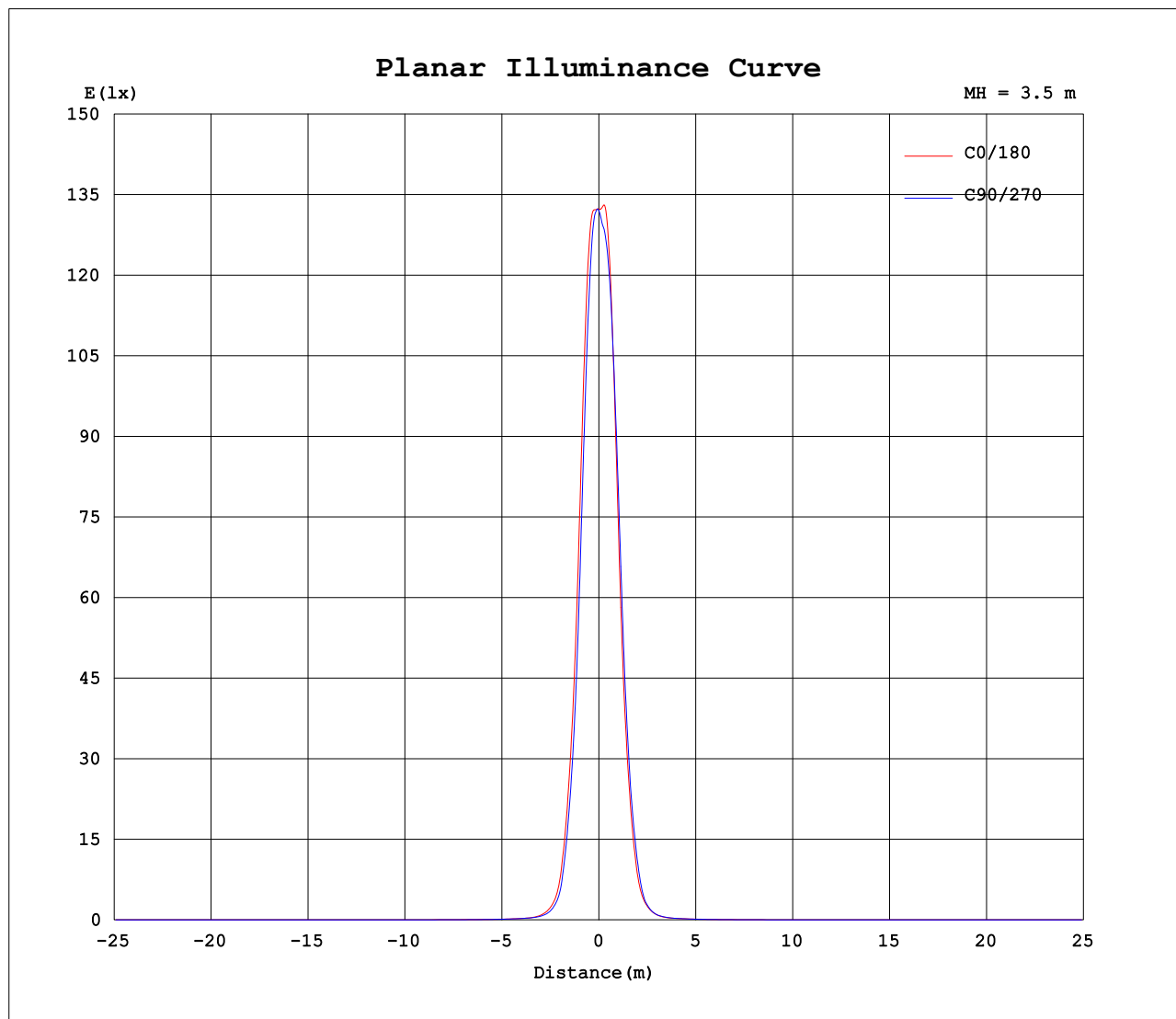
AvgL	cd/m2
L_0~180 (65) av	3438
L_0~180 (75) av	2966
L_0~180 (85) av	1802
L_90~270 (65) av	3183
L_90~270 (75) av	2785
L_90~270 (85) av	1832
L_45 (65) av	3367
L_45 (75) av	2877
L_45 (85) av	1825

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:0.6018A P:6.760W PF:0.9299 Freq:0Hz Lamp Flux:686.092x1 lm		
NAME: MR16-7.5-830-35D-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	1621	1620	1620	1619	1618	1617	1616	1617	1621	1620	1620	1619	1618	1617	1616	1617			
5	1634	1632	1620	1600	1591	1599	1624	1642	1647	1637	1619	1596	1586	1591	1607	1622			
10	1503	1487	1448	1382	1354	1392	1461	1500	1515	1539	1544	1503	1482	1516	1549	1528			
15	1108	1068	1020	954	931	971	1039	1084	1117	1179	1231	1213	1187	1223	1234	1170			
20	656	613	571	531	523	541	584	626	658	712	756	766	760	771	761	711			
25	343	310	282	265	264	266	287	320	353	381	402	411	414	412	403	375			
30	137	122	110	99.3	95.5	101	114	130	148	168	181	188	192	186	177	158			
35	57.9	53.8	52.2	44.8	42.2	47.9	55.3	59.4	64.0	71.7	75.6	70.3	69.5	70.7	70.8	65.1			
40	27.2	25.9	25.5	22.7	21.4	25.4	29.3	29.6	29.2	34.6	38.4	33.2	30.4	35.1	36.8	32.4			
45	15.0	14.7	15.1	14.2	13.9	15.6	17.3	17.0	15.7	17.4	19.6	17.9	17.1	19.3	20.1	17.6			
50	11.8	11.5	11.9	11.4	11.2	11.9	12.8	13.1	12.3	12.2	13.2	12.7	12.3	13.1	13.5	12.8			
55	10.1	9.70	9.89	9.45	9.21	9.70	10.3	10.8	10.6	10.2	10.8	10.2	9.87	10.4	10.7	10.6			
60	8.61	8.36	8.43	8.03	7.83	8.17	8.52	8.97	8.98	8.65	9.10	8.61	8.46	8.83	8.96	8.94			
65	7.08	6.85	6.81	6.45	6.31	6.54	6.77	7.18	7.33	7.05	7.35	7.12	7.04	7.30	7.30	7.26			
70	5.45	5.24	5.12	4.79	4.70	4.86	5.01	5.37	5.58	5.42	5.64	5.56	5.56	5.67	5.63	5.58			
75	3.78	3.60	3.43	3.19	3.12	3.21	3.35	3.64	3.84	3.83	4.01	4.02	4.03	4.05	3.98	3.89			
80	2.16	1.98	1.83	1.67	1.61	1.67	1.80	2.02	2.21	2.31	2.49	2.55	2.55	2.53	2.43	2.30			
85	0.76	0.64	0.54	0.45	0.42	0.45	0.52	0.66	0.80	0.93	1.08	1.15	1.16	1.12	1.02	0.88			
90	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10	0.15	0.17	0.18	0.17	0.14	0.09			
95	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			
100	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
105	0.06	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	0.06	0.07			
110	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08			
115	0.10	0.10	0.10	0.11	0.11	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.10			
120	0.12	0.13	0.13	0.14	0.16	0.16	0.15	0.15	0.15	0.15	0.13	0.12	0.12	0.12	0.12	0.12			
125	0.17	0.17	0.18	0.19	0.22	0.21	0.19	0.19	0.21	0.20	0.18	0.17	0.17	0.17	0.16	0.17			
130	0.25	0.24	0.25	0.29	0.31	0.30	0.27	0.28	0.28	0.28	0.23	0.23	0.24	0.23	0.22	0.23			
135	3.19	0.56	0.29	0.37	1.36	0.42	0.46	1.18	1.78	3.35	2.42	1.69	1.64	4.24	2.26	3.47			
140	0.28	0.25	0.26	0.27	0.28	0.29	0.27	0.29	0.31	0.30	0.29	0.29	0.27	0.29	0.26	0.26			
145	0.26	0.28	0.27	0.27	0.27	0.27	0.28	0.28	0.27	0.26	0.25	0.26	0.27	0.25	0.23	0.24			
150	0.28	0.30	0.29	0.26	0.27	0.29	0.31	0.30	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27			
155	0.29	0.29	0.27	0.22	0.20	0.28	0.31	0.32	0.30	0.29	0.29	0.26	0.27	0.29	0.28	0.28			
160	0.29	0.27	0.22	0.30	0.29	0.22	0.29	0.30	0.29	0.28	0.27	0.26	0.24	0.24	0.28	0.28			
165	0.26	0.23	0.25	0.25	0.21	0.22	0.24	0.26	0.25	0.25	0.24	0.23	0.22	0.25	0.20	0.25			
170	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14			
175	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
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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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
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