

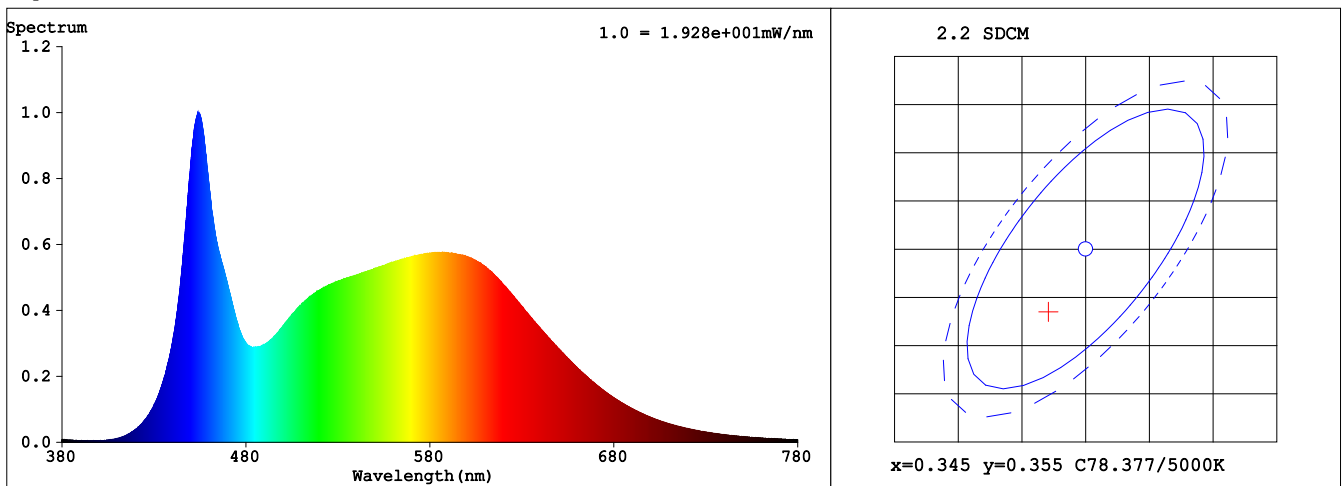
Spectrum Test Report

Sample : Date : 2020-02-29 11:11:20
Specification : Sam. Status :
Sample No. : MR16-7.5-850-35D-DIM Standard : LM-79-08
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)
Remark : Test by :

Test Condition

Temperature : 22.2Deg RH : 30.1%
WL Range : 380nm-780nm IP : 51917 (79%)
Test Mode : Fast Test T : 321 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3417$ $y = 0.3485$ / $u' = 0.2103$ $v' = 0.4827$ ($duv = -1.77e-04$)

CCT= 5122K Prcp WL: $L_d = 571.1\text{nm}$ Purity=7.1%

Peak WL: $L_p = 454\text{nm}$ FWHM: =24.3nm Ratio:R=16.1% G=78.7% B=5.2%

Render Index: $R_a = 86.0$ TM30:Rf=83 Rg=95

R1 =85 R2 =93 R3 =95 R4 =84 R5 =86 R6 =88 R7 =87

R8 =70 R9 =21 R10=81 R11=83 R12=65 R13=88 R14=98 R15=81

LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

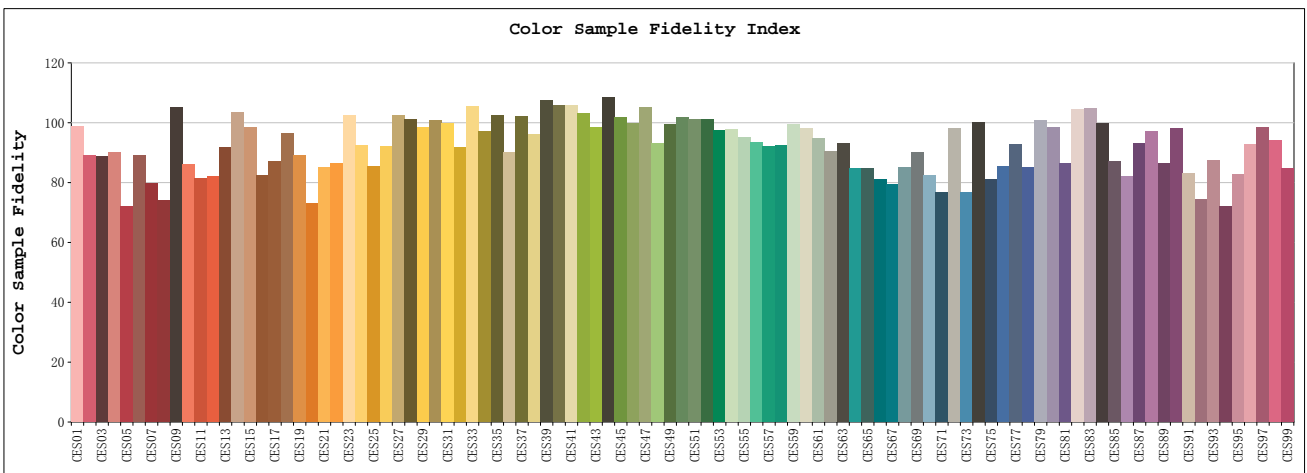
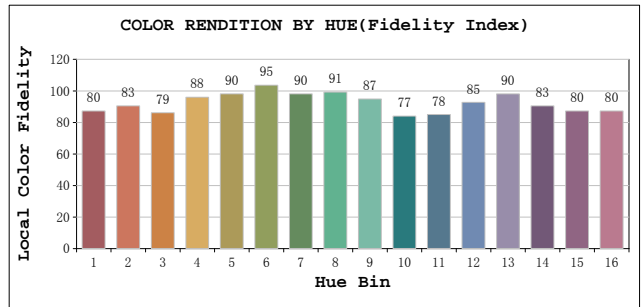
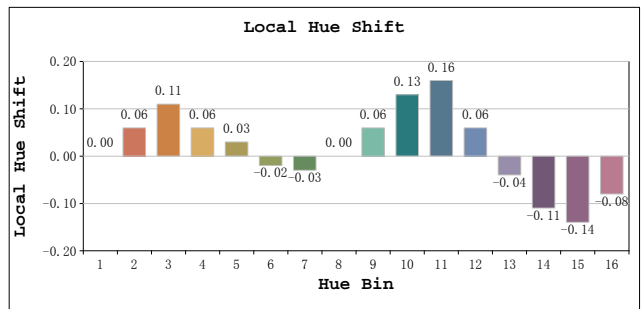
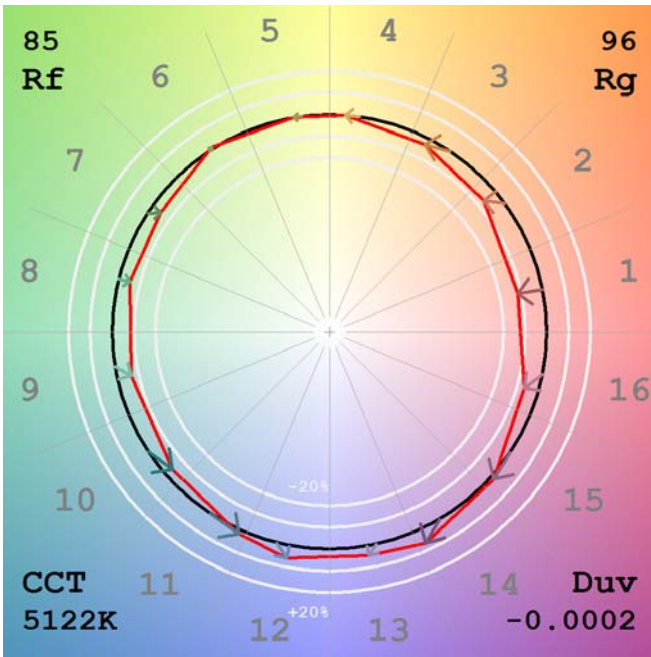
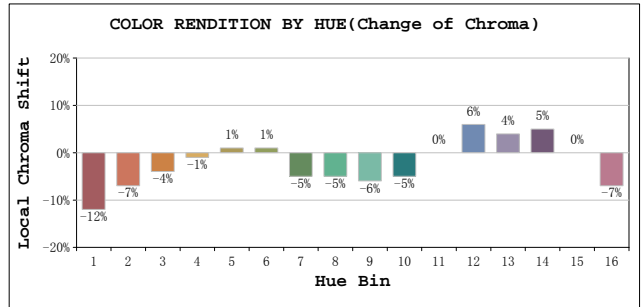
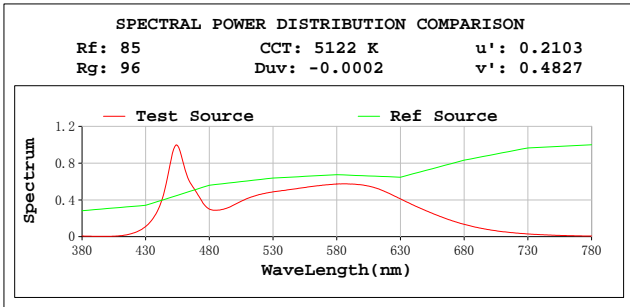
Flux = 704.25 lm Eff. : 98.77 lm/W $F_e = 2.2551\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):10.375 Fluo. and blue light ratio:3.122 Fluorescent eff.:226.3

Electrical parameters

V = 12.07 V I = 0.6255 A P = 7.130 W PF = 0.9444

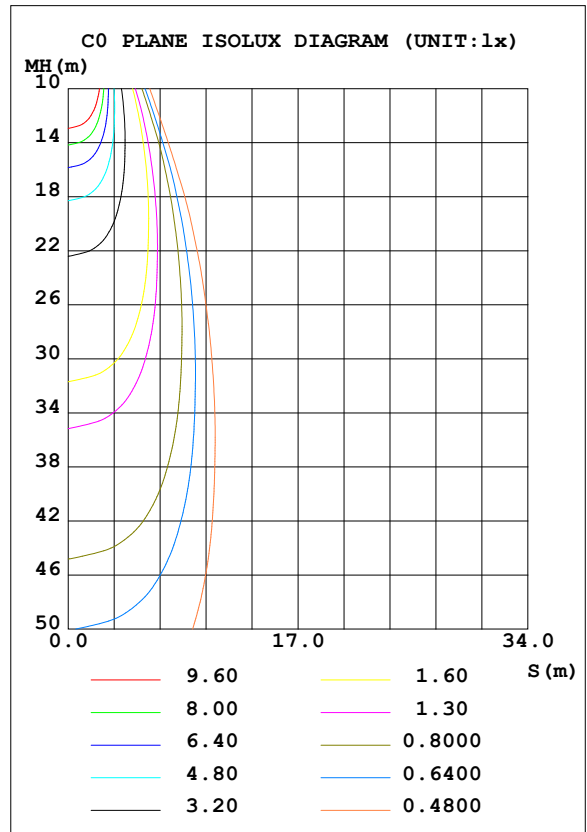
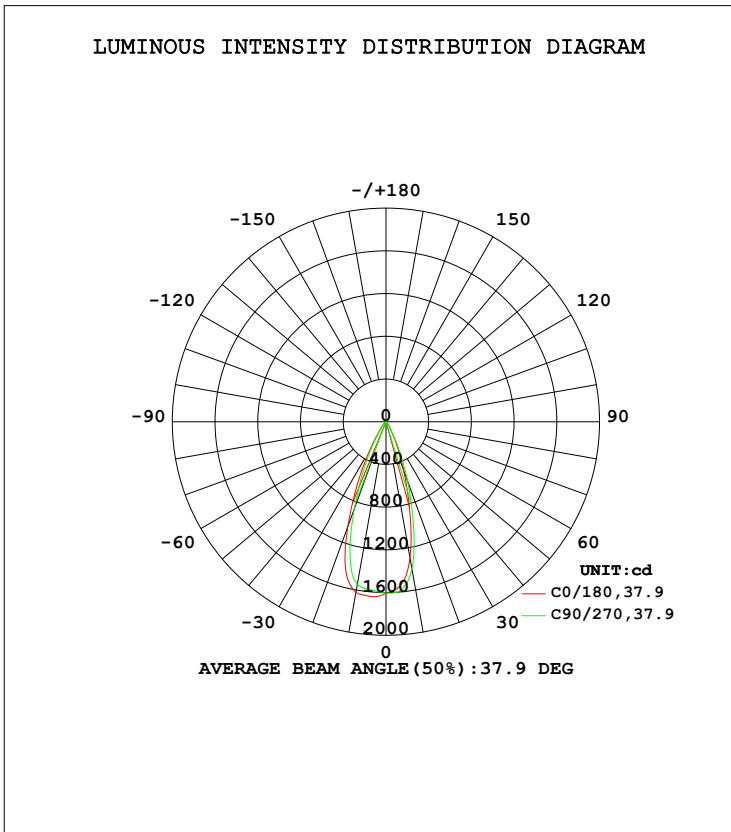
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.65 lm/W			
MODEL	/	I _{max} (cd)	1657	S/MH (C0/180)	0.69
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	0.64
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	738.03	η UP, DN (C0-180)	0.1, 43.6
NOMINAL FLUX (lm)	738.029	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 56.2
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: 27.1DEG
 Operators: YY
 Test Date: 2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

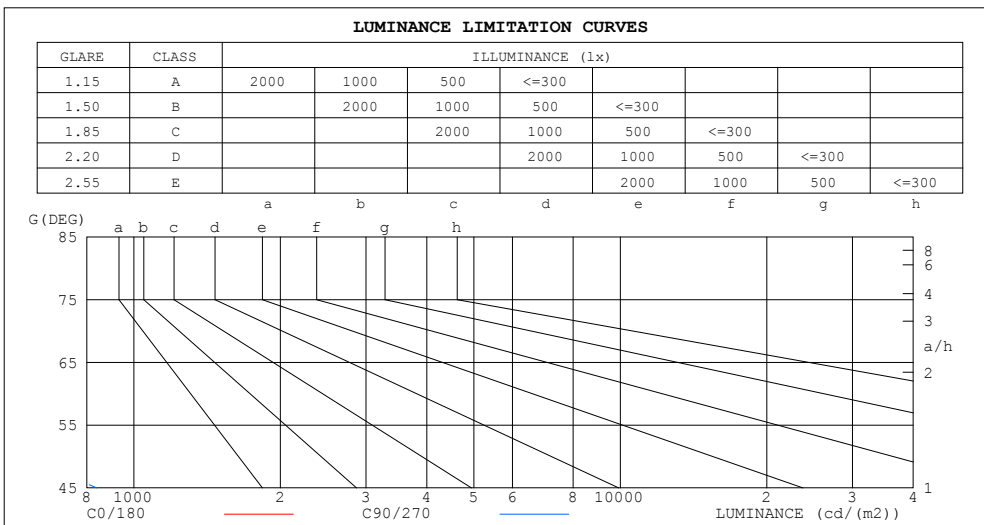
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	1541	1549	1583	1627	1643	1635	1581	1532	0- 5	38.19	38.19	5.17,5.17
10	1295	1288	1399	1560	1621	1642	1544	1339	5- 10	109.4	147.6	20,20
15	860.3	850.3	994.7	1263	1451	1481	1302	977.4	10- 15	155.2	302.8	41,41
20	485.0	481.6	591.0	807.1	1047	1066	868.2	594.7	15- 20	154.2	457.0	61.9,61.9
25	236.0	229.7	296.5	436.6	615.2	636.5	492.1	321.8	20- 25	117.5	574.5	77.8,77.8
30	91.32	87.90	116.8	197.3	295.8	327.4	233.2	129.9	25- 30	71.71	646.2	87.6,87.6
35	44.97	42.36	56.10	80.85	117.7	133.0	94.88	50.76	30- 35	35.82	682.0	92.4,92.4
40	23.19	21.33	28.09	39.37	60.54	63.53	46.55	23.44	35- 40	18.35	700.3	94.9,94.9
45	13.29	12.72	14.99	19.15	30.70	29.75	22.28	12.73	40- 45	10.11	710.4	96.3,96.3
50	9.957	9.755	10.90	11.95	16.85	15.43	13.33	10.00	45- 50	6.119	716.6	97.1,97.1
55	8.348	8.220	9.166	9.701	11.80	11.30	10.56	8.363	50- 55	4.703	721.3	97.7,97.7
60	6.958	6.849	7.697	8.304	9.716	9.457	8.916	7.183	55- 60	4.107	725.4	98.3,98.3
65	5.536	5.421	6.139	6.842	8.025	7.941	7.308	5.913	60- 65	3.590	729.0	98.8,98.8
70	4.097	3.970	4.570	5.294	6.346	6.321	5.703	4.564	65- 70	2.974	731.9	99.2,99.2
75	2.626	2.519	3.027	3.747	4.632	4.669	4.098	3.166	70- 75	2.264	734.2	99.5,99.5
80	1.229	1.174	1.571	2.235	2.968	3.038	2.534	1.740	75- 80	1.498	735.7	99.7,99.7
85	0.2182	0.1817	0.3973	0.8968	1.437	1.501	1.094	0.5084	80- 85	0.7518	736.4	99.8,99.8
90	0.0415	0.0420	0.0439	0.1001	0.2972	0.3444	0.1616	0.0454	85- 90	0.2146	736.7	99.8,99.8
95	0.0441	0.0463	0.0460	0.0527	0.0543	0.0524	0.0504	0.0480	90- 95	0.0362	736.7	99.8,99.8
100	0.0507	0.0543	0.0525	0.0588	0.0584	0.0568	0.0545	0.0542	95-100	0.0283	736.7	99.8,99.8
105	0.0611	0.0640	0.0627	0.0688	0.0663	0.0653	0.0624	0.0636	100-105	0.0319	736.8	99.8,99.8
110	0.0755	0.0772	0.0784	0.0810	0.0788	0.0771	0.0762	0.0756	105-110	0.0370	736.8	99.8,99.8
115	0.0931	0.0966	0.0931	0.0981	0.0973	0.0922	0.0933	0.0920	110-115	0.0436	736.8	99.8,99.8
120	0.1299	0.1277	0.1209	0.1259	0.1199	0.1124	0.1234	0.1243	115-120	0.0521	736.9	99.8,99.8
125	0.1847	0.1727	0.1667	0.1717	0.1652	0.1519	0.1788	0.1636	120-125	0.0671	737.0	99.9,99.9
130	2.701	1.728	0.2232	0.2303	0.2234	0.2028	0.2506	0.2436	125-130	0.1054	737.1	99.9,99.9
135	0.2521	0.2538	0.2244	2.709	1.004	0.4236	3.917	0.2499	130-135	0.2995	737.4	99.9,99.9
140	0.2169	0.2216	0.2300	0.2999	0.3412	0.2895	0.2848	0.2224	135-140	0.2334	737.6	99.9,99.9
145	0.2503	0.2746	0.2641	0.2815	0.2952	0.2731	0.2608	0.2407	140-145	0.0869	737.7	100,100
150	0.2969	0.3277	0.2984	0.3076	0.2880	0.2817	0.2903	0.2783	145-150	0.0817	737.8	100,100
155	0.3564	0.3831	0.3523	0.3544	0.3228	0.3146	0.3352	0.3262	150-155	0.0805	737.8	100,100
160	0.3899	0.4086	0.3758	0.3732	0.3660	0.3514	0.3753	0.3780	155-160	0.0756	737.9	100,100
165	0.3503	0.2987	0.3397	0.3495	0.3583	0.3508	0.3686	0.3574	160-165	0.0607	738.0	100,100
170	0.2081	0.2073	0.1973	0.1947	0.2462	0.2607	0.2407	0.2135	165-170	0.0351	738.0	100,100
175	0.1200	0.1178	0.1224	0.1232	0.1282	0.1273	0.1251	0.1227	170-175	0.0122	738.0	100,100
180	0	0	0	0	0.0005	0.0007	0.0005	0.0006	175-180	0.0020	738.0	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	99	180
80	280	358
75	402	463
70	474	529
65	519	575
60	551	609
55	576	633
50	613	672
45	744	839

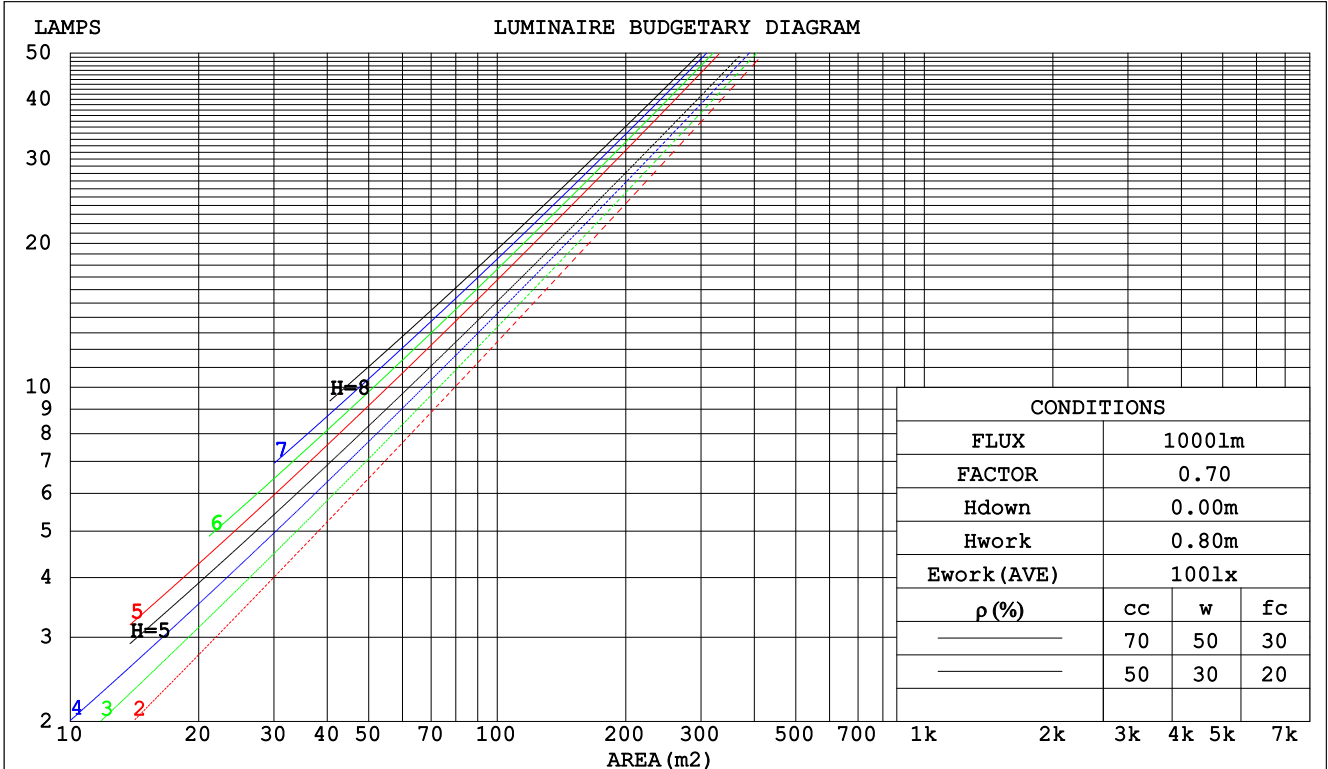
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 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-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	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.01	.98	1.03	1.00	.97	1.00	.97	.95	.97	.95	.93	.94	.93	.91	.90
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.85
4.0	.94	.89	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.85	.82	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77
6.0	.85	.80	.77	.85	.80	.77	.83	.79	.76	.82	.78	.75	.81	.77	.75	.74
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.71
8.0	.78	.73	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68
9.0	.75	.70	.67	.75	.70	.67	.74	.69	.66	.73	.69	.66	.72	.69	.66	.65
10.0	.72	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.70	.66	.63	.62



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-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	.161	.092	.029	.154	.088	.028	.142	.081	.026	.130	.075	.024	.120	.069	.022	
2.0	.151	.083	.025	.146	.080	.025	.135	.075	.023	.125	.070	.022	.116	.066	.021	
3.0	.142	.076	.023	.137	.074	.022	.128	.070	.021	.120	.066	.020	.113	.062	.019	
4.0	.134	.070	.020	.130	.068	.020	.122	.065	.019	.115	.062	.019	.109	.059	.018	
5.0	.127	.065	.019	.123	.063	.018	.117	.061	.018	.110	.058	.017	.105	.056	.017	
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.114	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015	
8.0	.109	.053	.015	.107	.053	.015	.102	.051	.015	.098	.050	.014	.094	.048	.014	
9.0	.104	.051	.014	.102	.050	.014	.098	.049	.014	.095	.047	.014	.091	.046	.013	
10.0	.100	.048	.013	.098	.047	.013	.095	.046	.013	.091	.045	.013	.088	.044	.013	

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	.116	.133	.115	.101	.091	.080	.070	.052	.046	.041	.017	.015	.013	
3.0	.141	.115	.094	.121	.099	.081	.083	.069	.057	.048	.040	.034	.015	.013	.011	
4.0	.130	.100	.077	.111	.086	.067	.077	.060	.047	.044	.035	.028	.014	.011	.009	
5.0	.120	.088	.064	.103	.076	.056	.071	.053	.039	.041	.031	.023	.013	.010	.008	
6.0	.112	.078	.054	.096	.068	.047	.066	.047	.033	.039	.028	.020	.012	.009	.007	
7.0	.105	.070	.046	.090	.061	.040	.062	.043	.029	.036	.025	.017	.012	.008	.006	
8.0	.099	.064	.040	.085	.055	.035	.059	.039	.025	.034	.023	.015	.011	.008	.005	
9.0	.094	.059	.035	.081	.051	.030	.056	.036	.022	.033	.021	.013	.011	.007	.004	
10.0	.089	.054	.031	.077	.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:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm										
NAME: MR16-7.5-850-35D-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	3.1	3.9	3.4	4.1	4.3	3.7	4.5	3.9	4.6	4.8
3H	4.0	4.7	4.2	4.9	5.1	4.6	5.3	4.8	5.5	5.7
4H	4.3	5.0	4.6	5.2	5.5	4.9	5.6	5.2	5.8	6.0
6H	4.5	5.1	4.8	5.4	5.6	5.1	5.8	5.4	6.0	6.3
8H	4.5	5.1	4.8	5.4	5.6	5.1	5.8	5.5	6.0	6.3
12H	4.5	5.1	4.8	5.3	5.6	5.1	5.8	5.5	6.0	6.3
4H 2H	3.5	4.2	3.7	4.4	4.6	3.9	4.6	4.2	4.8	5.1
3H	4.5	5.1	4.8	5.4	5.6	5.0	5.6	5.3	5.9	6.1
4H	4.9	5.5	5.2	5.8	6.1	5.4	6.0	5.8	6.3	6.6
6H	5.1	5.6	5.5	5.9	6.3	5.7	6.2	6.1	6.5	6.9
8H	5.1	5.6	5.5	5.9	6.3	5.8	6.2	6.1	6.6	6.9
12H	5.1	5.5	5.5	5.9	6.3	5.7	6.2	6.2	6.5	6.9
8H 4H	5.0	5.5	5.4	5.8	6.2	5.5	6.0	5.9	6.3	6.7
6H	5.3	5.7	5.7	6.1	6.5	5.8	6.2	6.3	6.6	7.0
8H	5.3	5.6	5.8	6.1	6.5	5.9	6.2	6.3	6.7	7.1
12H	5.3	5.6	5.7	6.0	6.5	5.9	6.2	6.4	6.6	7.1
12H 4H	5.0	5.4	5.4	5.8	6.2	5.5	5.9	5.9	6.3	6.6
6H	5.3	5.6	5.7	6.0	6.5	5.8	6.1	6.3	6.6	7.0
8H	5.3	5.6	5.8	6.0	6.5	5.9	6.2	6.3	6.6	7.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 0.7					+ 1.2 / - 0.7				
1.5H	+ 1.7 / - 0.6					+ 2.3 / - 0.6				
2.0H	+ 0.5 / - 0.4					+ 0.6 / - 0.5				

CIE Pub.117, 738.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.1)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /

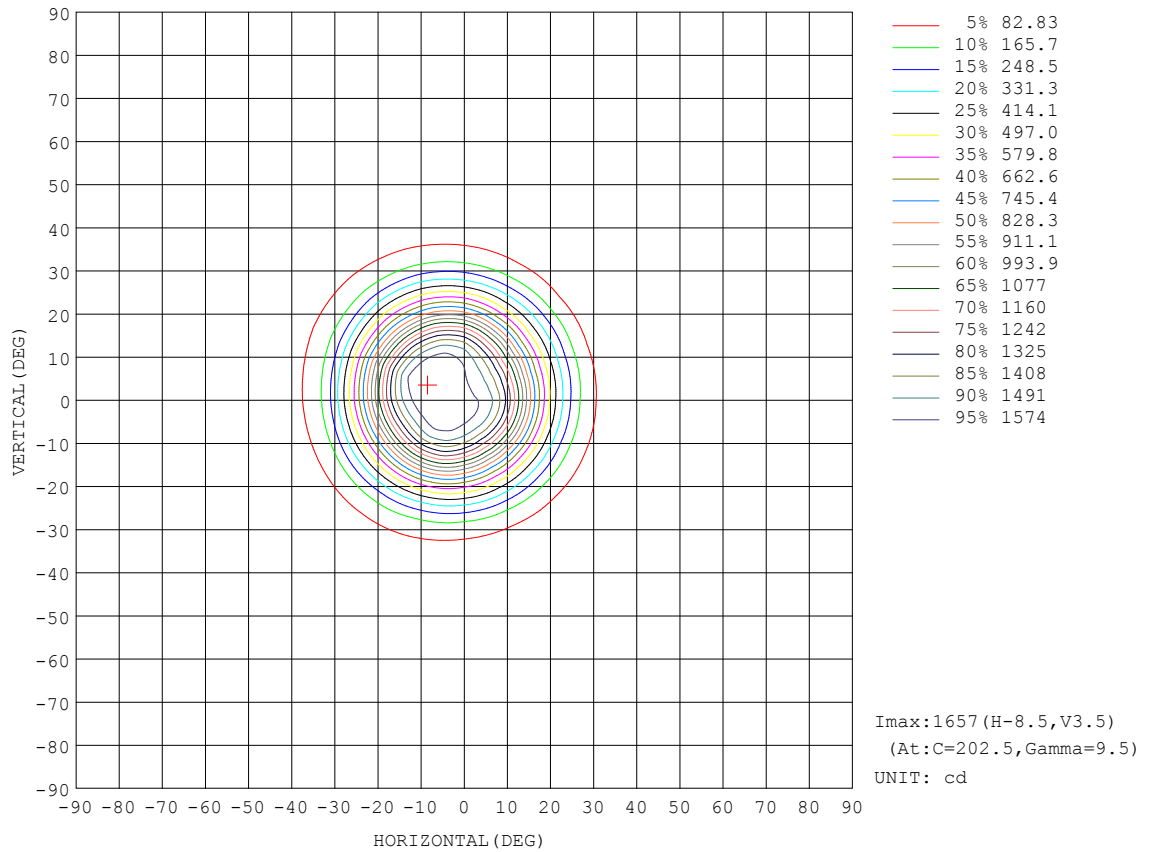
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	101	107	104	101	105	102	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	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: 27.1DEG
 Operators: YY
 Test Date: 2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

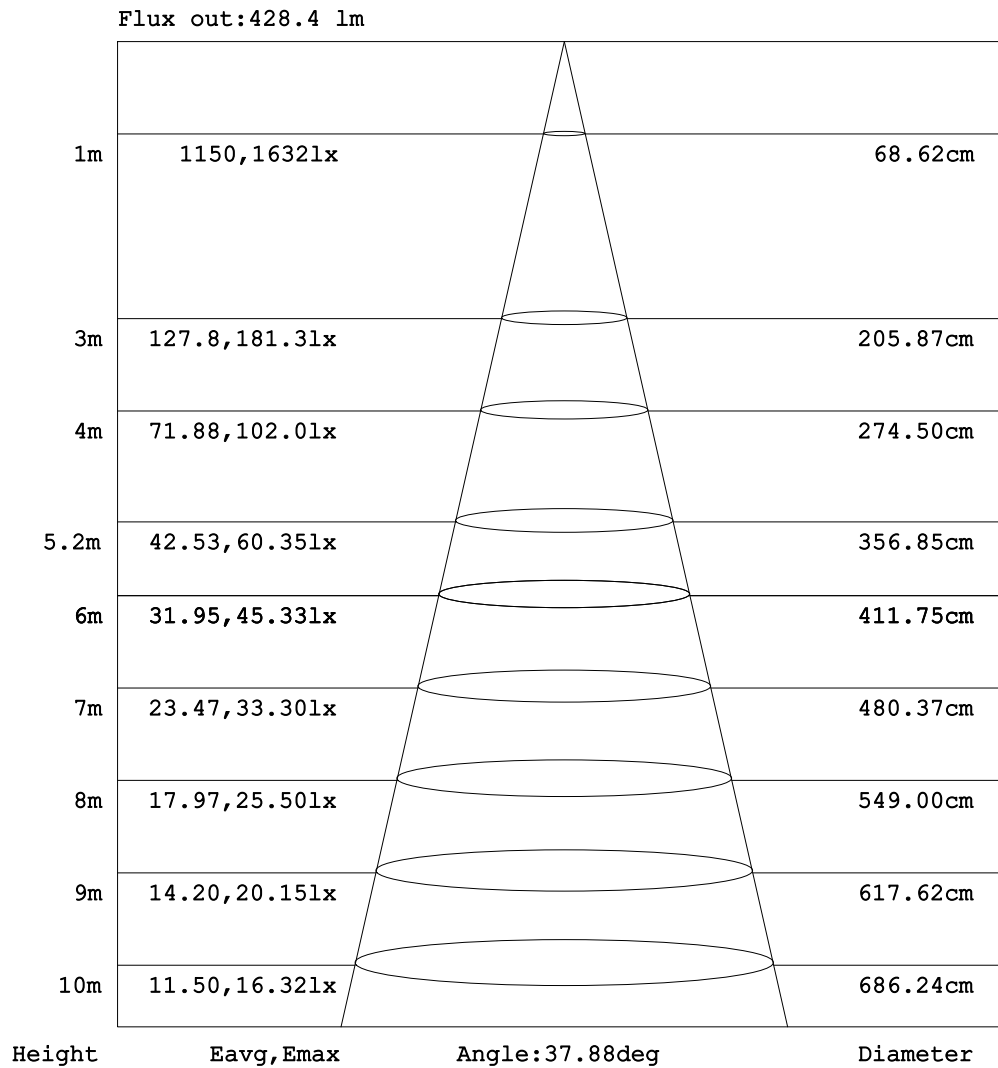


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

AAI Figure

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



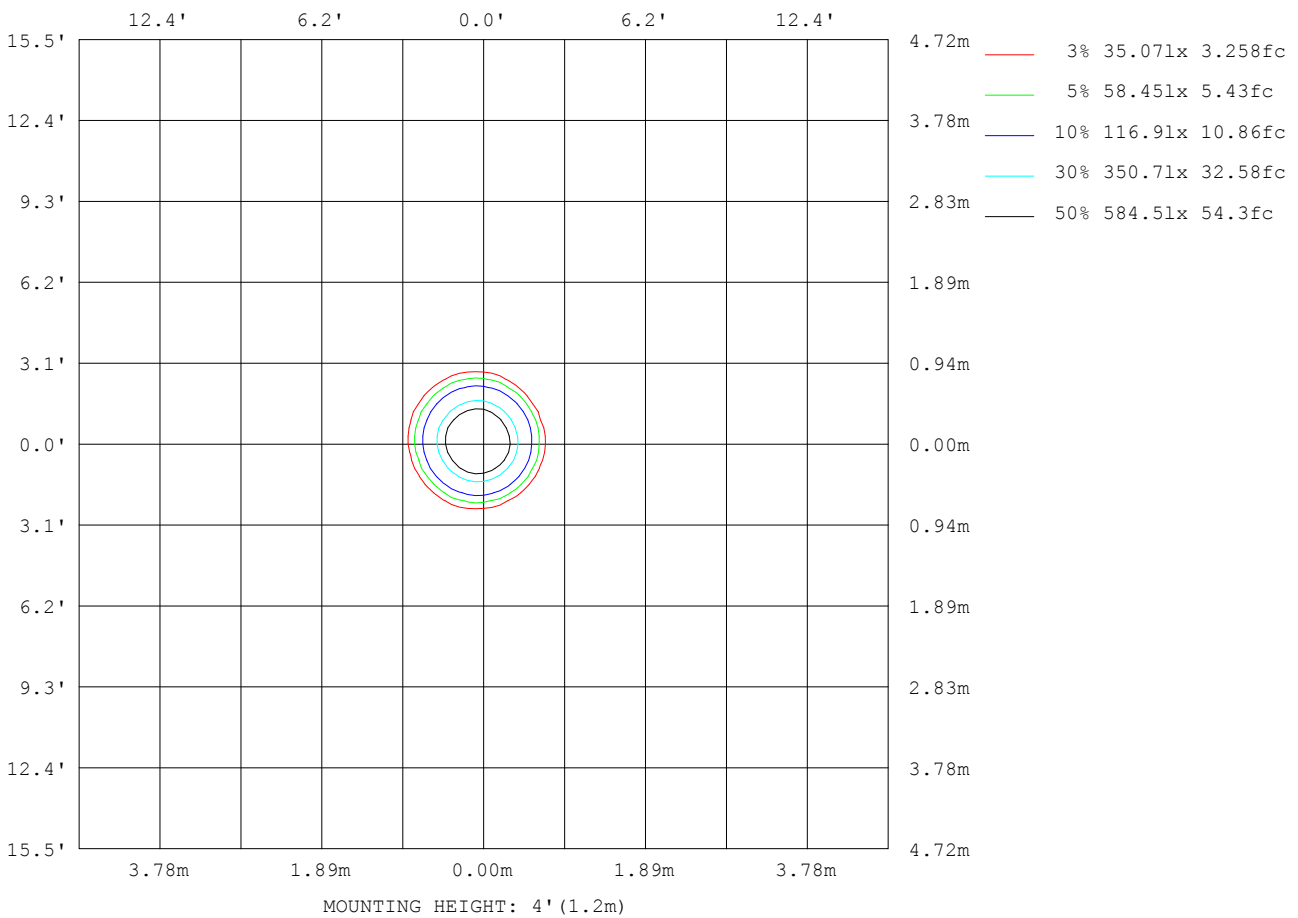
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-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:27.1DEG
 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.191m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MR16-7.5-850-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

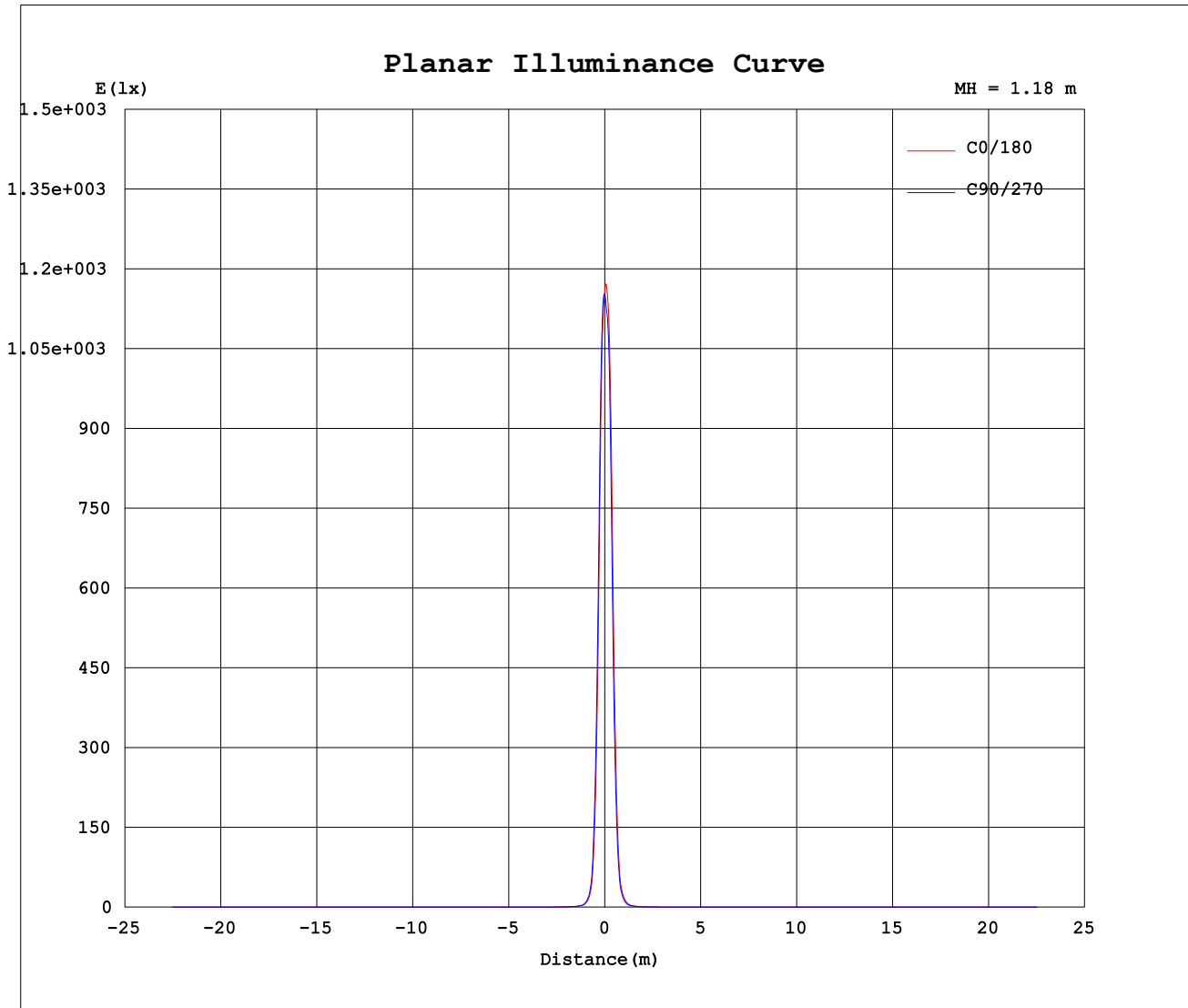
AvgL	cd/m2
L_0~180 (65) av	635
L_0~180 (75) av	555
L_0~180 (85) av	376
L_90~270 (65) av	630
L_90~270 (75) av	545
L_90~270 (85) av	339
L_45 (65) av	612
L_45 (75) av	539
L_45 (85) av	351

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:YY
Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:24.3%
Test Distance:1.191m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27.1DEG
Operators:YY
Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:24.3%
Test Distance:1.191m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.07V I:0.6093A P:6.920W PF:0.9410 Freq:0Hz Lamp Flux:738.029x1 lm		
NAME: MRI6-7.5-850-35D-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	1607	1606	1605	1604	1604	1603	1603	1602	1607	1606	1605	1604	1604	1603	1603	1602			
5	1541	1542	1549	1560	1583	1610	1627	1631	1643	1646	1635	1611	1581	1552	1532	1528			
10	1295	1287	1288	1316	1399	1497	1560	1581	1621	1656	1642	1612	1544	1433	1339	1298			
15	860	846	850	893	995	1143	1263	1339	1451	1531	1481	1411	1302	1126	977	890			
20	485	471	482	518	591	695	807	915	1047	1122	1066	985	868	712	595	521			
25	236	223	230	254	296	356	437	527	615	664	637	581	492	395	322	266			
30	91.3	87.3	87.9	96.6	117	149	197	251	296	329	327	290	233	175	130	102			
35	45.0	43.0	42.4	45.9	56.1	70.1	80.8	97.3	118	135	133	118	94.9	71.0	50.8	44.0			
40	23.2	22.6	21.3	22.4	28.1	36.1	39.4	47.0	60.5	67.1	63.5	55.4	46.6	34.1	23.4	20.9			
45	13.3	13.3	12.7	12.7	15.0	18.4	19.2	22.2	30.7	33.5	29.8	25.4	22.3	16.8	12.7	12.1			
50	9.96	9.87	9.76	9.94	10.9	12.2	12.0	12.5	16.9	18.0	15.4	13.7	13.3	11.9	10.0	9.66			
55	8.35	8.28	8.22	8.40	9.17	9.95	9.70	10.1	11.8	12.5	11.3	10.6	10.6	9.72	8.36	8.08			
60	6.96	6.81	6.85	7.08	7.70	8.36	8.30	8.71	9.72	10.0	9.46	8.97	8.92	8.21	7.18	6.87			
65	5.54	5.36	5.42	5.66	6.14	6.68	6.84	7.30	8.02	8.24	7.94	7.56	7.31	6.73	5.91	5.62			
70	4.10	3.90	3.97	4.18	4.57	5.01	5.29	5.79	6.35	6.49	6.32	6.02	5.70	5.20	4.56	4.26			
75	2.63	2.47	2.52	2.72	3.03	3.41	3.75	4.22	4.63	4.73	4.67	4.41	4.10	3.68	3.17	2.84			
80	1.23	1.13	1.17	1.32	1.57	1.90	2.24	2.63	2.97	3.07	3.04	2.82	2.53	2.15	1.74	1.43			
85	0.22	0.17	0.18	0.24	0.40	0.63	0.90	1.18	1.44	1.53	1.50	1.34	1.09	0.79	0.51	0.33			
90	0.04	0.04	0.04	0.04	0.04	0.05	0.10	0.19	0.30	0.36	0.34	0.27	0.16	0.06	0.05	0.04			
95	0.04	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	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05			
105	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06			
110	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	0.08	0.08	0.07			
115	0.09	0.10	0.10	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
120	0.13	0.14	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.12	0.12			
125	0.18	0.19	0.17	0.16	0.17	0.18	0.17	0.17	0.17	0.16	0.15	0.16	0.18	0.17	0.16	0.16			
130	2.70	3.59	1.73	0.85	0.22	0.25	0.23	0.22	0.22	0.20	0.20	0.22	0.25	0.24	0.24	0.21			
135	0.25	0.25	0.25	0.23	0.22	1.63	2.71	1.61	1.00	0.29	0.42	1.99	3.92	1.75	0.25	0.20			
140	0.22	0.22	0.22	0.22	0.23	0.28	0.30	0.31	0.34	0.27	0.29	0.30	0.28	0.25	0.22	0.21			
145	0.25	0.27	0.27	0.26	0.26	0.26	0.28	0.29	0.30	0.26	0.27	0.27	0.26	0.25	0.24	0.24			
150	0.30	0.32	0.33	0.31	0.30	0.31	0.31	0.30	0.29	0.28	0.28	0.29	0.29	0.29	0.28	0.27			
155	0.36	0.36	0.38	0.36	0.35	0.35	0.35	0.34	0.32	0.32	0.31	0.32	0.34	0.34	0.33	0.32			
160	0.39	0.38	0.41	0.37	0.38	0.39	0.37	0.38	0.37	0.36	0.35	0.36	0.38	0.38	0.38	0.35			
165	0.35	0.33	0.30	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.35	0.35	0.37	0.36	0.36	0.35			
170	0.21	0.21	0.21	0.20	0.20	0.19	0.19	0.20	0.25	0.25	0.26	0.26	0.24	0.22	0.21	0.22			
175	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	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
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 Operators:YY
 Test Date:2020-02-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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