

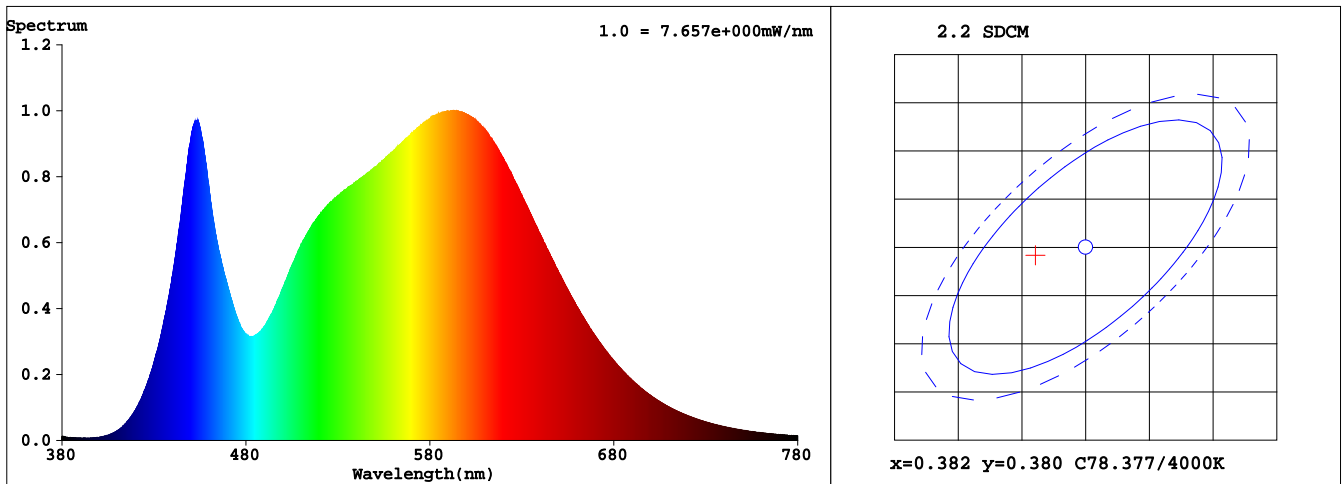
Spectrum Test Report

Sample : GU10-4.5-840-35D-DIM Date : 2020-01-10 14:54:12
Specification : Sam. Status :
Sample No. : Standard : LM-79-80
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)
Remark : Test by :
Device SN :

Test Condition

Temperature : 26.3Deg RH : 30.1%
WL Range : 380nm-780nm IP : 50599 (77%)
Test Mode : Fast Test T : 447 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3778$ $y = 0.3788$ / $u' = 0.2226$ $v' = 0.5021$ ($duv=1.71e-03$)

CCT= 4085K Prcp WL: Ld=577.8nm Purity=27.1%

Peak WL: Lp=593nm FWHM: =148.0nm Ratio:R=17.9% G=78.5% B=3.6%

Render Index: Ra = 82.4

EEL: 0.10925 A++ Highest

R1 =80 R2 =88 R3 =94 R4 =81 R5 =80 R6 =84 R7 =86

R8 =64 R9 =6 R10=72 R11=79 R12=62 R13=82 R14=97 R15=74

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

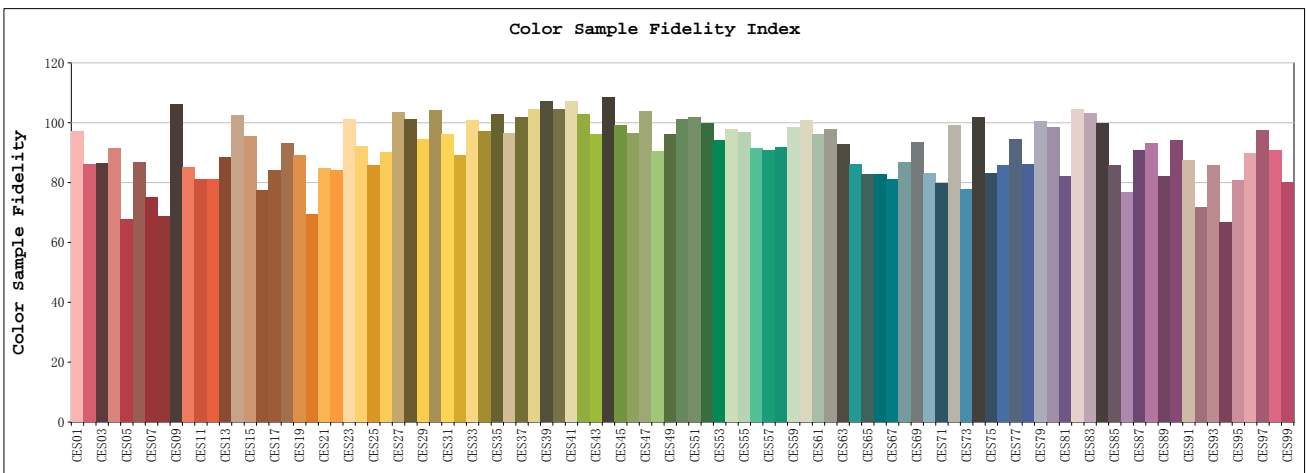
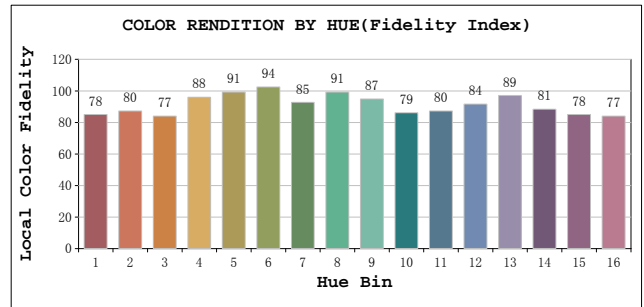
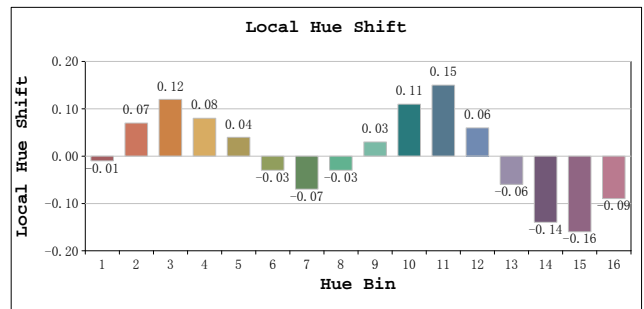
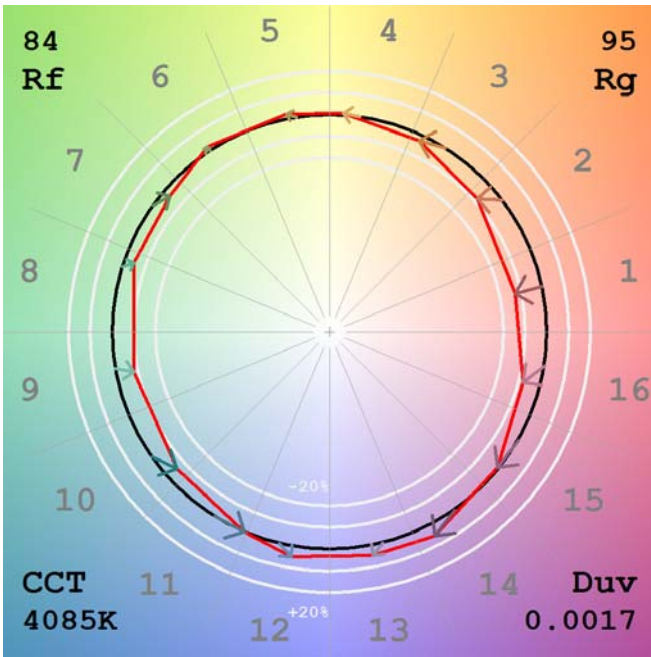
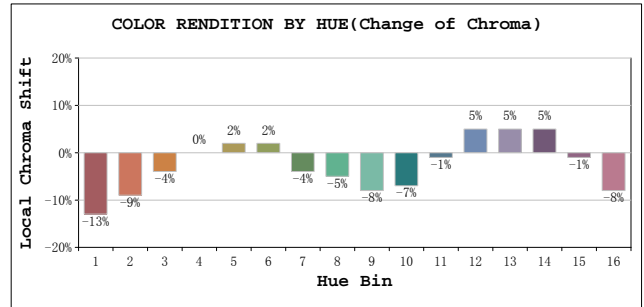
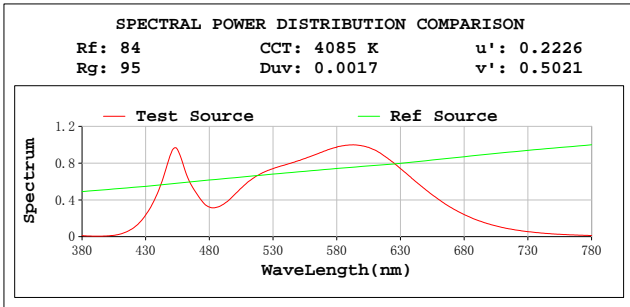
Flux = 448.87 lm Eff. : 101.10 lm/W Fe = 1.3665 W

Flux of emitted photons($\mu\text{mol/s}$):6.4114 Fluo. and blue light ratio:4.496 Fluorescent eff.:194.1

Electrical parameters

V = 120.04 V I = 0.04800 A P = 4.440 W PF = 0.7706

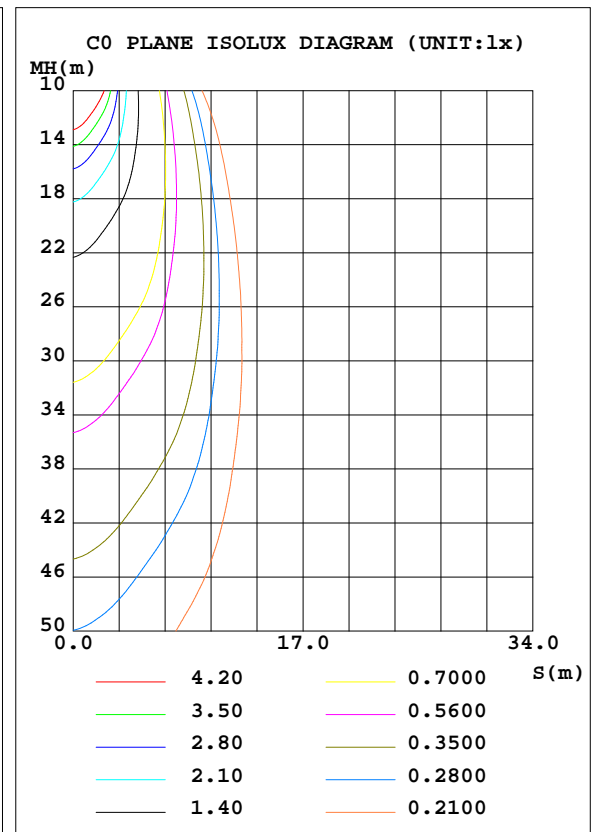
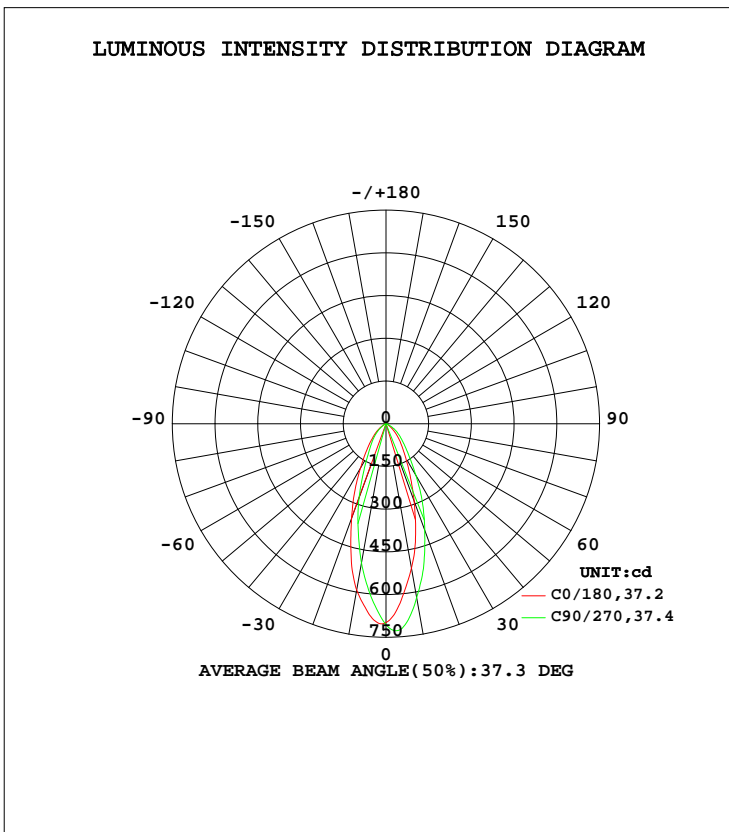
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.05 lm/W			
MODEL	GU10	I _{max} (cd)	734.6	S/MH(C0/180)	0.64
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.52
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	445.21	η UP, DN(C0-180)	0.0, 55.7
NOMINAL FLUX(lm)	445.206	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 44.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.65



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

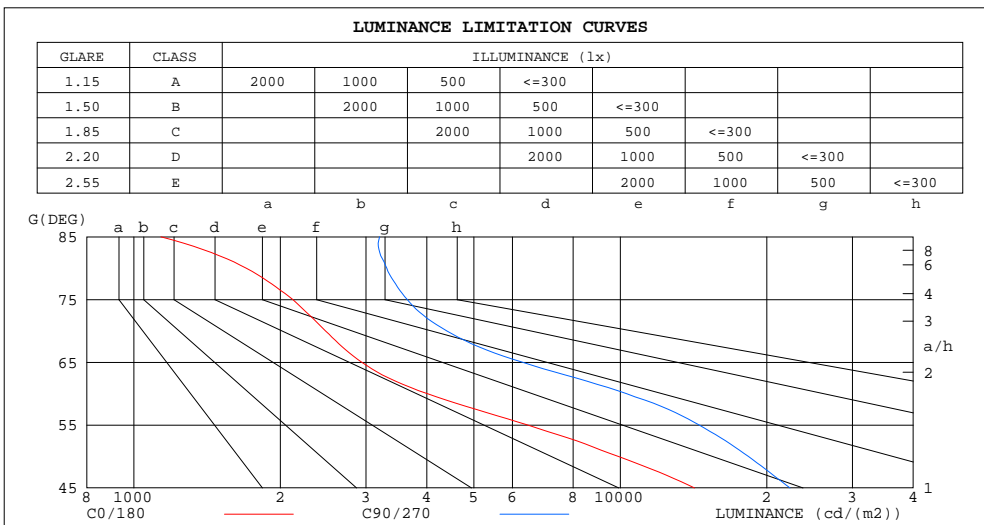
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	620.7	672.2	714.8	718.1	672.9	630.6	608.5	601.1	0- 5	16.24	16.24	3.65,3.65
10	515.1	566.4	620.3	628.2	593.3	522.8	496.4	482.3	5- 10	42.96	59.21	13.3,13.3
15	402.7	452.9	513.4	511.5	474.9	394.6	379.7	356.2	10- 15	58.36	117.6	26.4,26.4
20	289.1	339.7	397.9	380.4	354.2	291.1	276.9	261.2	15- 20	61.88	179.4	40.3,40.3
25	200.8	254.1	302.1	285.8	258.6	213.1	187.0	185.3	20- 25	58.02	237.5	53.3,53.3
30	139.6	176.3	211.3	211.8	179.2	146.8	127.9	127.2	25- 30	50.08	287.5	64.6,64.6
35	99.32	121.2	145.9	149.2	124.8	101.0	93.48	88.92	30- 35	40.70	328.2	73.7,73.7
40	72.27	85.28	105.1	104.5	87.86	70.86	70.10	63.33	35- 40	32.62	360.9	81.1,81.1
45	49.82	59.53	78.32	72.91	62.38	49.96	50.04	43.96	40- 45	25.83	386.7	86.9,86.9
50	31.58	41.07	58.47	50.85	42.67	34.85	33.82	30.31	45- 50	19.75	406.4	91.3,91.3
55	18.36	28.29	41.34	35.13	27.18	23.04	19.23	20.02	50- 55	14.35	420.8	94.5,94.5
60	9.953	17.79	25.55	24.24	14.83	14.68	10.67	12.60	55- 60	9.743	430.5	96.7,96.7
65	6.168	10.43	13.20	15.56	8.152	8.846	6.528	7.391	60- 65	6.111	436.7	98.1,98.1
70	4.203	6.243	7.462	9.139	5.189	5.271	4.152	4.450	65- 70	3.771	440.4	98.9,98.9
75	2.725	3.843	4.681	5.316	3.382	3.017	2.465	2.597	70- 75	2.371	442.8	99.5,99.5
80	1.466	2.229	2.850	2.994	1.907	1.457	1.119	1.211	75- 80	1.426	444.2	99.8,99.8
85	0.4912	0.9831	1.383	1.338	0.7316	0.3856	0.2220	0.2733	80- 85	0.6943	444.9	99.9,99.9
90	0.0015	0.1669	0.3339	0.2738	0.0292	0.0011	0.0010	0.0011	85- 90	0.1951	445.1	100,100
95	0.0010	0.0012	0.0014	0.0014	0.0012	0.0013	0.0013	0.0013	90- 95	0.0130	445.1	100,100
100	0.0011	0.0012	0.0013	0.0014	0.0013	0.0015	0.0016	0.0017	95-100	0.0007	445.1	100,100
105	0.0012	0.0013	0.0013	0.0014	0.0015	0.0018	0.0020	0.0021	100-105	0.0008	445.1	100,100
110	0.0024	0.0016	0.0014	0.0020	0.0018	0.0022	0.0025	0.0026	105-110	0.0009	445.1	100,100
115	0.0026	0.0026	0.0023	0.0028	0.0020	0.0026	0.0032	0.0033	110-115	0.0012	445.1	100,100
120	0.0039	0.0039	0.0028	0.0030	0.0023	0.0030	0.0039	0.0039	115-120	0.0014	445.1	100,100
125	0.0042	0.0041	0.0031	0.0034	0.0032	0.0039	0.0050	0.0047	120-125	0.0017	445.1	100,100
130	0.0052	0.0042	0.0041	0.0042	0.0045	0.0053	0.0068	0.0064	125-130	0.0019	445.1	100,100
135	0.0082	0.0067	0.0066	0.0058	0.0078	0.0092	0.0113	0.0111	130-135	0.0026	445.1	100,100
140	0.0152	0.0125	0.0117	0.0110	0.0133	0.0156	0.0188	0.0194	135-140	0.0041	445.1	100,100
145	0.0265	0.0219	0.0197	0.0193	0.0206	0.0246	0.0296	0.0301	140-145	0.0064	445.1	100,100
150	0.0417	0.0348	0.0313	0.0305	0.0304	0.0358	0.0428	0.0431	145-150	0.0088	445.2	100,100
155	0.0613	0.0516	0.0474	0.0459	0.0451	0.0513	0.0600	0.0614	150-155	0.0111	445.2	100,100
160	0.0812	0.0708	0.0650	0.0638	0.0650	0.0715	0.0802	0.0847	155-160	0.0131	445.2	100,100
165	0.0914	0.0836	0.0766	0.0766	0.0823	0.0878	0.0965	0.1024	160-165	0.0133	445.2	100,100
170	0.0803	0.0770	0.0731	0.0729	0.0787	0.0812	0.0877	0.0928	165-170	0.0103	445.2	100,100
175	0.0526	0.0522	0.0556	0.0547	0.0516	0.0518	0.0520	0.0516	170-175	0.0050	445.2	100,100
180	0.0002	0.0002	0.0003	0.0003	0.0005	0.0005	0.0006	0.0006	175-180	0.0009	445.2	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:
 Test Date:2020-01-10

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=0.6277]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1136	3200
80	1702	3309
75	2122	3647
70	2477	4398
65	2942	6300
60	4013	10300
55	6452	14532
50	9905	18339
45	14206	22330

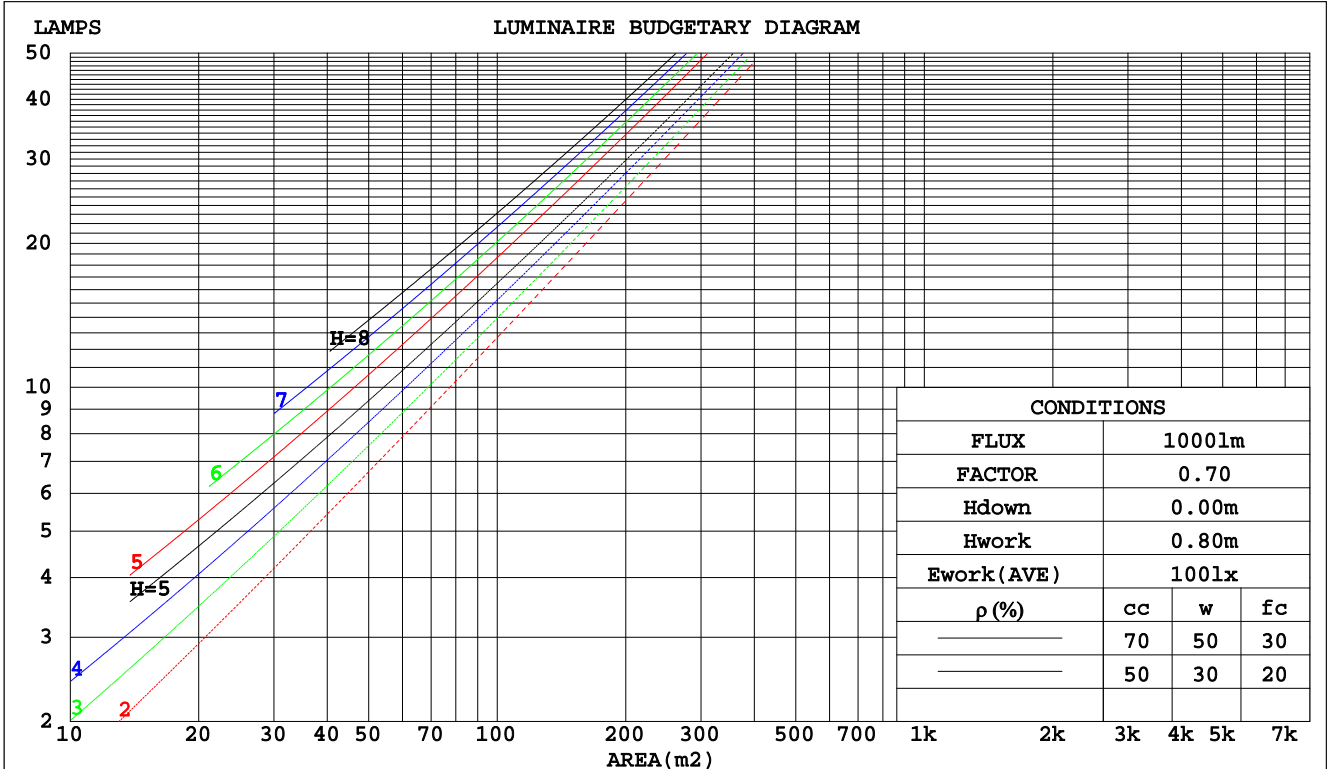
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.89	.84	.92	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.75	.82	.78	.74	.80	.76	.74	.72
5.0	.81	.75	.71	.80	.75	.70	.79	.74	.70	.77	.72	.69	.75	.71	.68	.67
6.0	.76	.70	.65	.75	.69	.65	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.72	.65	.61	.71	.65	.61	.70	.64	.60	.68	.64	.60	.67	.63	.60	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.57	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.57	.53	.61	.56	.53	.51
10.0	.60	.54	.51	.60	.54	.50	.59	.54	.50	.58	.54	.50	.58	.53	.50	.49



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

WEC AND CCEC

NAME: GU10-4.5-840-35D-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	.194	.111	.035	.188	.107	.034	.175	.100	.032	.163	.094	.030	.152	.088	.028	
2.0	.186	.102	.031	.181	.100	.031	.170	.094	.029	.160	.090	.028	.151	.085	.027	
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.154	.084	.026	.146	.081	.025	
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.148	.079	.024	.141	.076	.023	
5.0	.158	.081	.023	.155	.079	.023	.148	.077	.023	.141	.074	.022	.135	.072	.022	
6.0	.150	.075	.022	.147	.074	.021	.141	.072	.021	.135	.070	.021	.129	.068	.020	
7.0	.142	.070	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019	.124	.064	.019	
8.0	.135	.066	.019	.133	.065	.018	.128	.064	.018	.123	.062	.018	.119	.061	.018	
9.0	.129	.062	.017	.127	.062	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016	

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	.172	.157	.144	.148	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.133	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.088	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.050	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.114	.071	.041	.098	.062	.036	.068	.043	.025	.039	.026	.015	.013	.008	.005	
8.0	.108	.065	.035	.093	.056	.031	.065	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.103	.060	.031	.089	.052	.027	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.098	.055	.027	.085	.048	.024	.059	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: GU10-4.5-840-35D-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	20.2	21.2	20.4	21.4	21.6	22.6	23.6	22.8	23.8	23.9				
3H	20.2	21.2	20.5	21.4	21.6	22.7	23.7	23.0	23.9	24.1				
4H	20.2	21.1	20.5	21.4	21.6	22.8	23.7	23.0	23.9	24.1				
6H	20.2	21.0	20.5	21.3	21.5	22.8	23.6	23.1	23.8	24.1				
8H	20.2	21.0	20.5	21.3	21.5	22.8	23.6	23.1	23.8	24.1				
12H	20.2	20.9	20.5	21.2	21.5	22.7	23.5	23.1	23.8	24.1				
4H 2H	20.4	21.3	20.6	21.5	21.7	22.5	23.4	22.8	23.6	23.9				
3H	20.5	21.2	20.8	21.5	21.8	22.7	23.5	23.1	23.8	24.1				
4H	20.5	21.2	20.9	21.5	21.8	22.8	23.5	23.2	23.8	24.1				
6H	20.5	21.1	20.9	21.5	21.8	22.9	23.5	23.3	23.8	24.2				
8H	20.5	21.1	20.9	21.4	21.8	22.9	23.5	23.3	23.8	24.2				
12H	20.5	21.0	20.9	21.4	21.8	22.9	23.4	23.3	23.8	24.2				
8H 4H	20.5	21.1	20.9	21.4	21.8	22.7	23.3	23.1	23.7	24.0				
6H	20.6	21.0	21.0	21.4	21.8	22.8	23.3	23.3	23.7	24.1				
8H	20.6	21.0	21.0	21.4	21.8	22.9	23.3	23.3	23.7	24.2				
12H	20.6	20.9	21.0	21.4	21.8	22.9	23.3	23.4	23.7	24.2				
12H 4H	20.5	21.0	20.9	21.4	21.8	22.7	23.2	23.1	23.6	24.0				
6H	20.5	21.0	21.0	21.4	21.8	22.8	23.2	23.3	23.6	24.1				
8H	20.6	20.9	21.0	21.4	21.8	22.9	23.2	23.3	23.7	24.1				
Variations with the observer position at spacings:														
S = 1.0H	+ 1.4 / - 2.4					+ 1.1 / - 1.2								
1.5H	+ 1.4 / - 1.6					+ 1.5 / - 1.3								
2.0H	+ 2.7 / - 3.2					+ 2.6 / - 2.6								

CIE Pub.117, 445.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.8)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

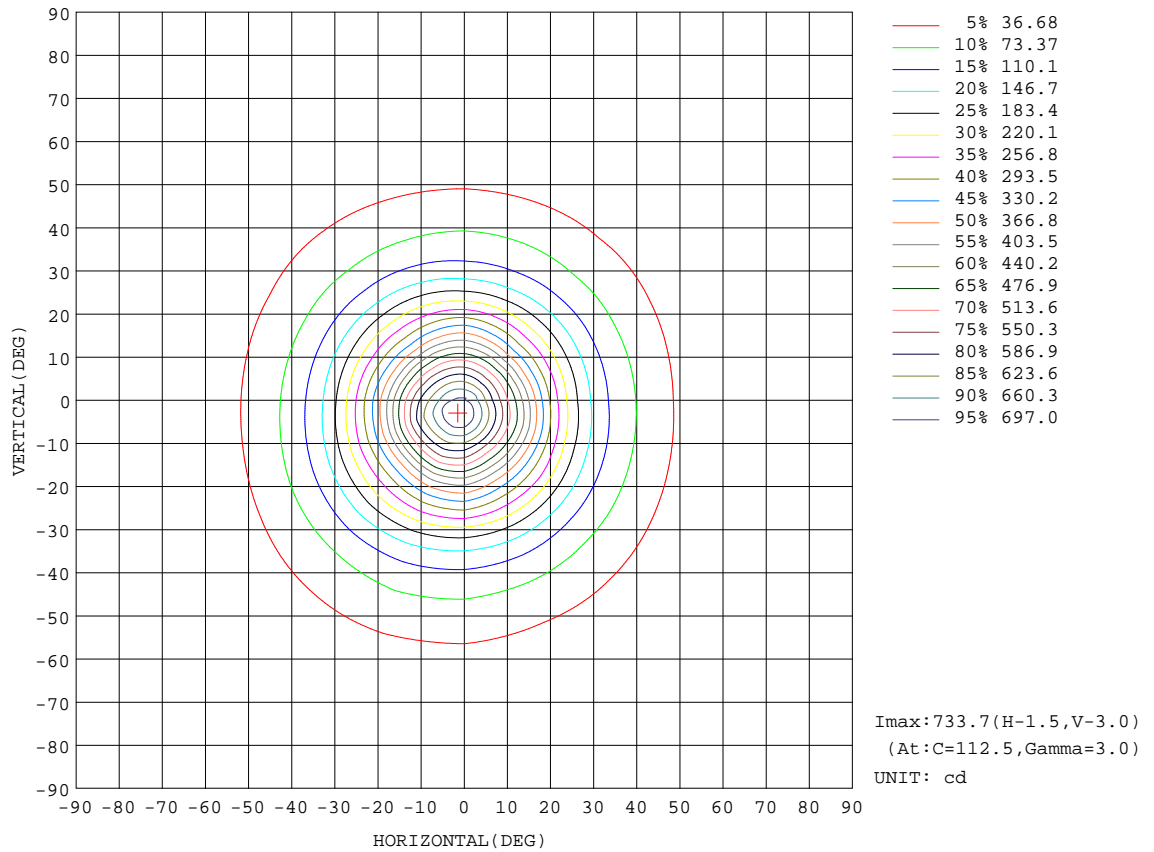
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	80	72	67	79	72	67	78	71	67	63
0.80	88	81	76	87	80	76	86	80	76	71
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	92	88	98	92	88	96	91	87	82
1.50	102	96	92	101	95	92	98	94	91	85
2.00	106	101	97	104	100	96	101	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	101	105	102	99	92
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	111	109	107	107	106	104	96
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:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

ISOCANDELA DIAGRAM

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

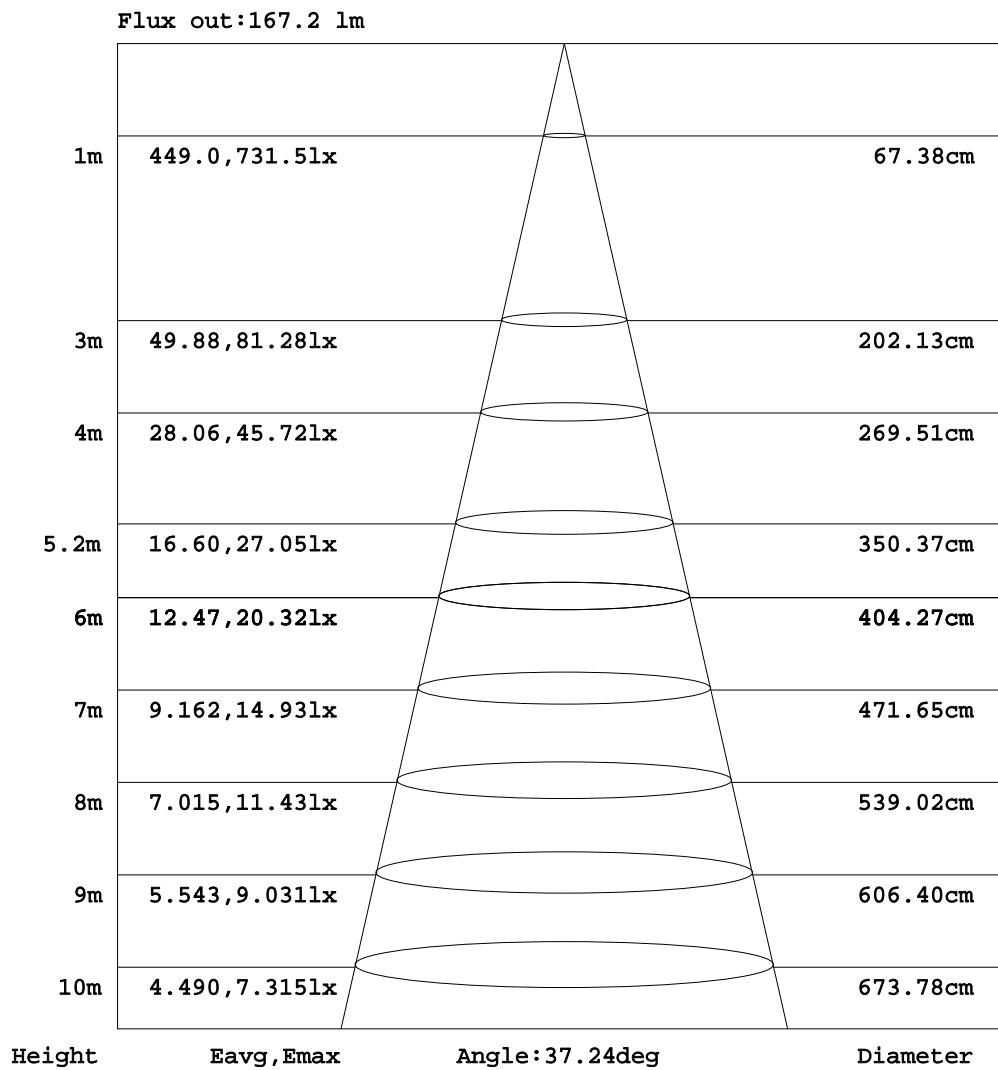


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

AAI Figure

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



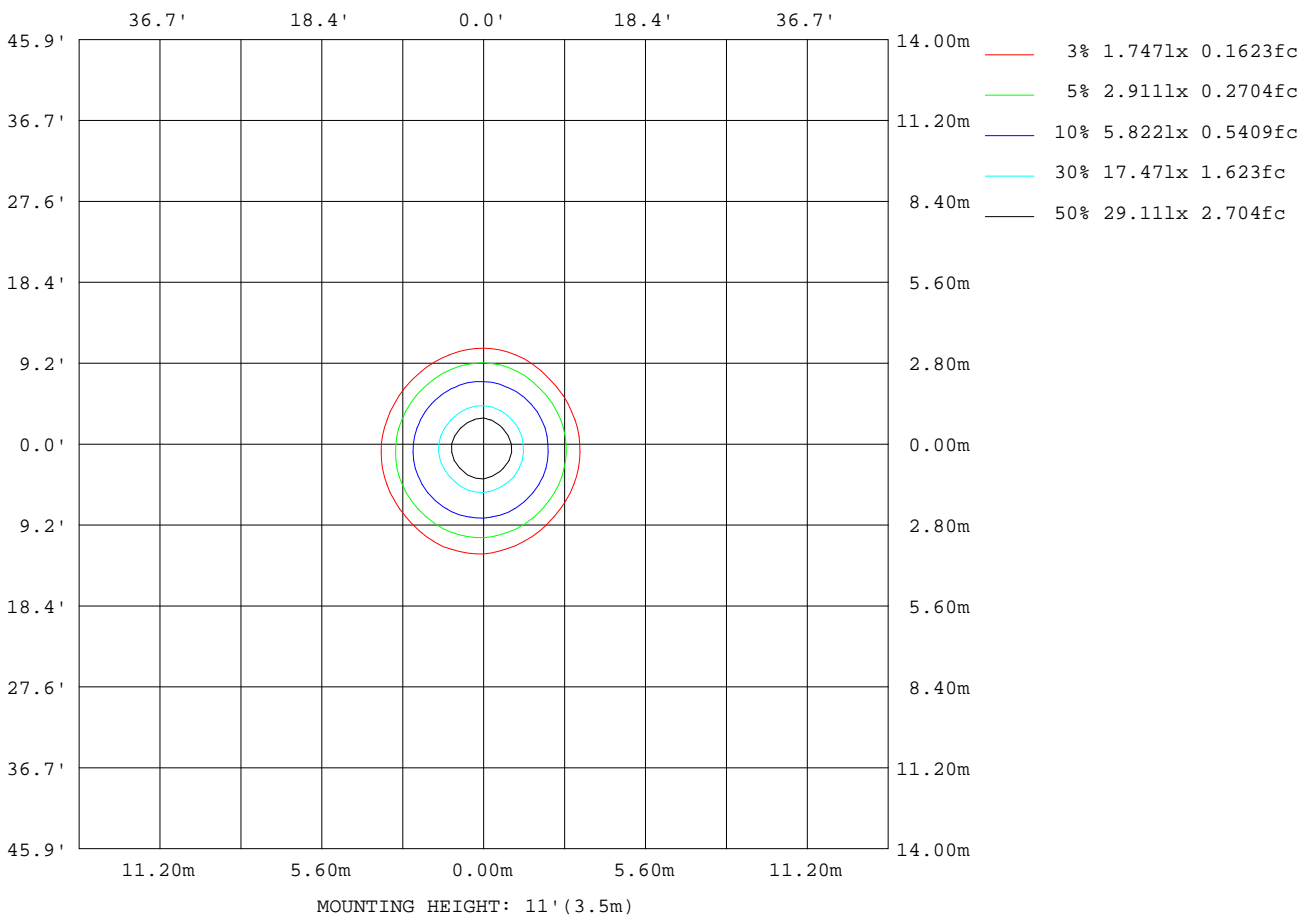
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

ISOLUX DIAGRAM

NAME: GU10-4.5-840-35D-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:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

LED Avg.L Report

NAME: GU10-4.5-840-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

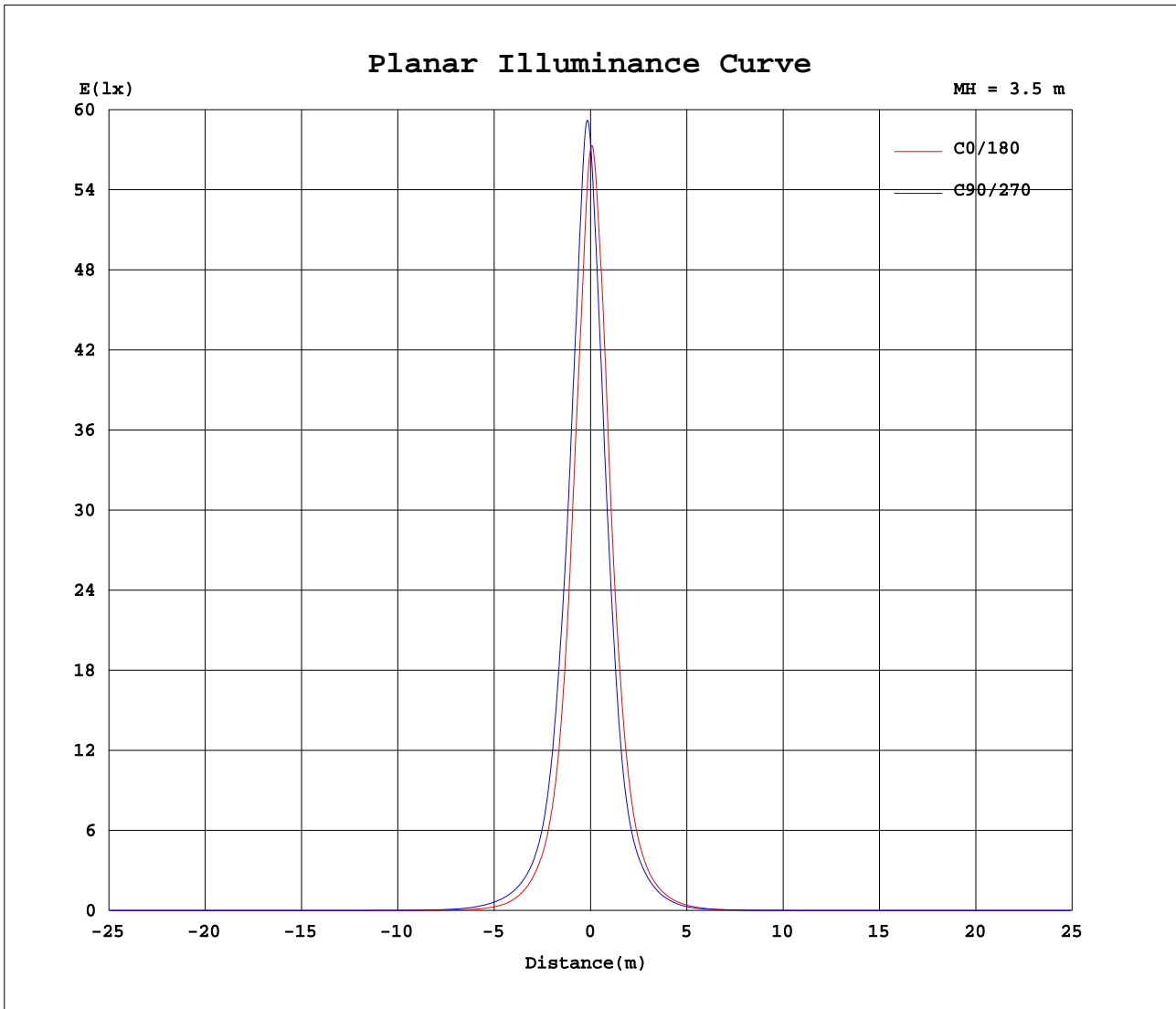
AvgL	cd/m2
L_0~180(65)av	3416
L_0~180(75)av	2378
L_0~180(85)av	1414
L_90~270(65)av	4707
L_90~270(75)av	2783
L_90~270(85)av	1857
L_45(65)av	5036
L_45(75)av	2877
L_45(85)av	1723

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-01-10

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=0.6277]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GU10-4.5-840-35D-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	698	701	703	704	705	707	708	709	698	701	703	704	705	707	708	709			
5	621	645	672	696	715	723	718	705	673	650	631	616	608	602	601	611			
10	515	543	566	593	620	633	628	626	593	551	523	507	496	486	482	496			
15	403	435	453	475	513	526	512	506	475	429	395	383	380	365	356	372			
20	289	317	340	364	398	400	380	374	354	317	291	282	277	266	261	271			
25	201	223	254	275	302	301	286	277	259	233	213	199	187	183	185	192			
30	140	155	176	196	211	217	212	199	179	162	147	136	128	125	127	132			
35	99.3	109	121	136	146	151	149	139	125	112	101	96.6	93.5	90.4	88.9	93.1			
40	72.3	78.0	85.3	96.7	105	108	105	97.5	87.9	77.7	70.9	69.5	70.1	67.1	63.3	66.1			
45	49.8	55.0	59.5	69.5	78.3	79.6	72.9	68.7	62.4	54.0	50.0	49.5	50.0	47.6	44.0	45.5			
50	31.6	35.9	41.1	48.8	58.5	58.6	50.9	46.3	42.7	36.7	34.9	33.8	33.8	31.6	30.3	30.9			
55	18.4	21.8	28.3	33.7	41.3	40.6	35.1	30.8	27.2	24.3	23.0	21.3	19.2	19.0	20.0	19.5			
60	9.95	12.3	17.8	22.3	25.5	25.7	24.2	19.8	14.8	14.3	14.7	12.7	10.7	11.2	12.6	11.6			
65	6.17	7.30	10.4	12.8	13.2	14.6	15.6	12.0	8.15	8.21	8.85	7.53	6.53	6.83	7.39	6.83			
70	4.20	4.71	6.24	7.40	7.46	8.32	9.14	7.25	5.19	4.90	5.27	4.67	4.15	4.27	4.45	4.27			
75	2.72	3.11	3.84	4.59	4.68	5.06	5.32	4.37	3.38	3.03	3.02	2.72	2.47	2.50	2.60	2.61			
80	1.47	1.78	2.23	2.72	2.85	2.97	2.99	2.48	1.91	1.61	1.46	1.26	1.12	1.13	1.21	1.32			
85	0.49	0.71	0.98	1.27	1.38	1.40	1.34	1.05	0.73	0.52	0.39	0.28	0.22	0.23	0.27	0.36			
90	0.00	0.04	0.17	0.27	0.33	0.33	0.27	0.17	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	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			
100	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			
105	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			
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	0.01	0.00	0.00			
130	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01			
135	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			
140	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02			
145	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03			
150	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04			
155	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06			
160	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.08			
165	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.10			
170	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09			
175	0.05	0.05	0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
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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