

Spectrum Test Report

Sample : GU10-4.5-827-35D-DIM
Specification :
Sample No. :
Manufacturer : RAB Lighting Inc
Remark :
Device SN :

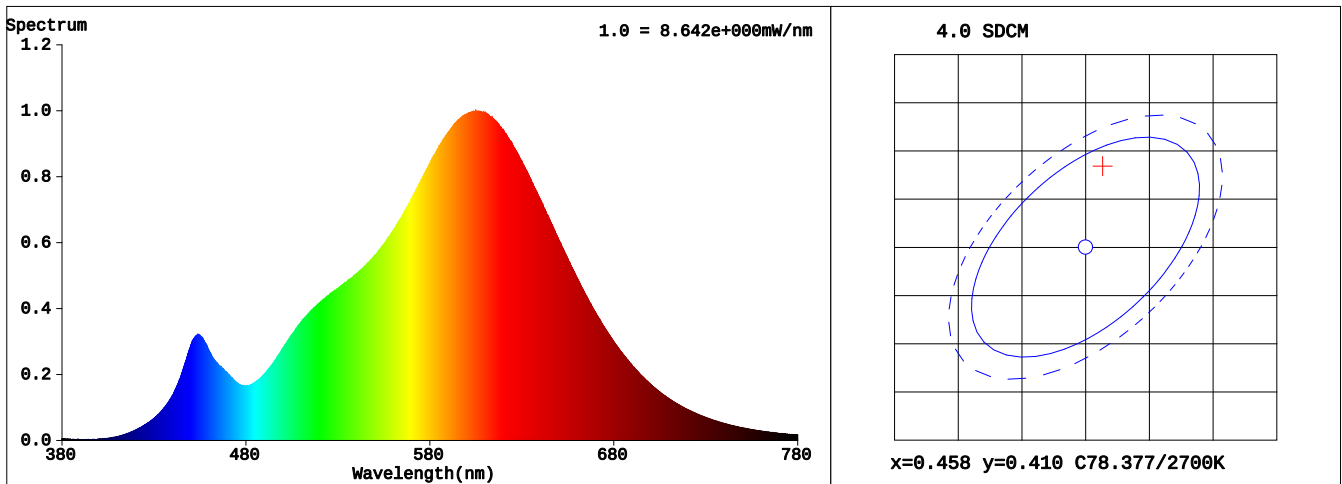
Date : 2020-01-10 17:16:43
Sam. Status :
Standard : LM-79-80
Instrument : HaasSuite(EVERFINE)
Test by :

Test Condition

Temperature : 26.8Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 53643 (82%)
T : 447 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4590$ $y = 0.4182$ / $u' = 0.2586$ $v' = 0.5301$ ($duv=2.88e-03$)

CCT= 2771K Prpc WL: Ld=583.0nm Purity=63.3%

Peak WL: Lp=605nm FWHM: =120.2nm Ratio:R=24.3% G=73.5% B=2.2%

Render Index: Ra = 82.1

EEL: 0.11843 A+

R1 =80 R2 =90 R3 =97 R4 =80 R5 =80 R6 =89 R7 =83
R8 =57 R9 =5 R10=79 R11=79 R12=72 R13=82 R14=99 R15=72
LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

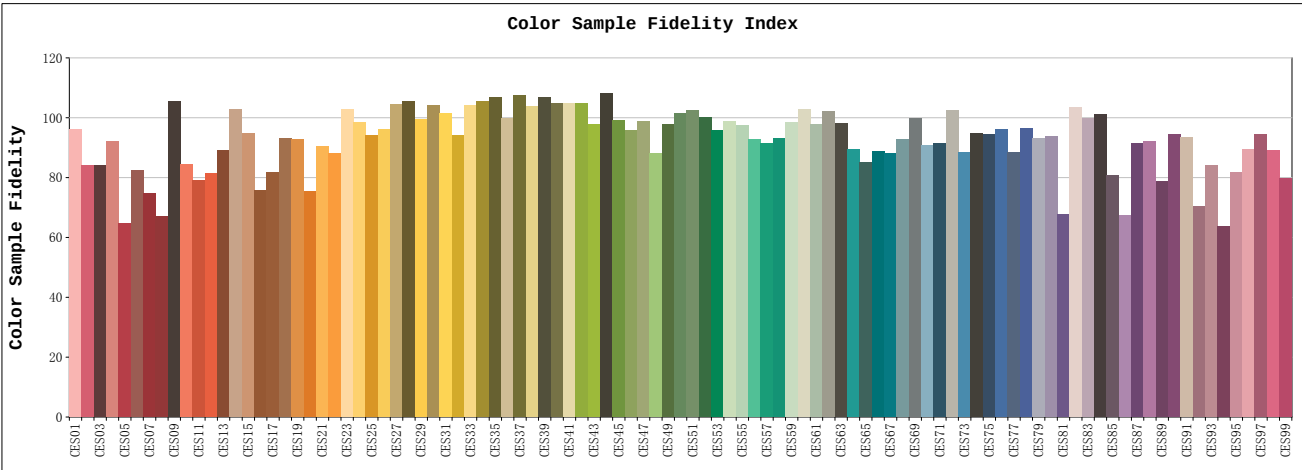
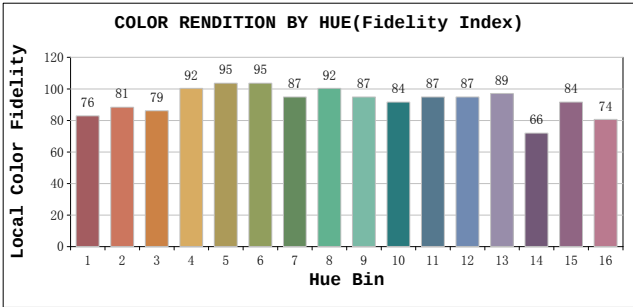
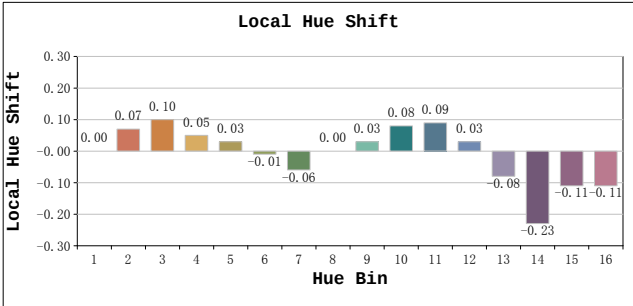
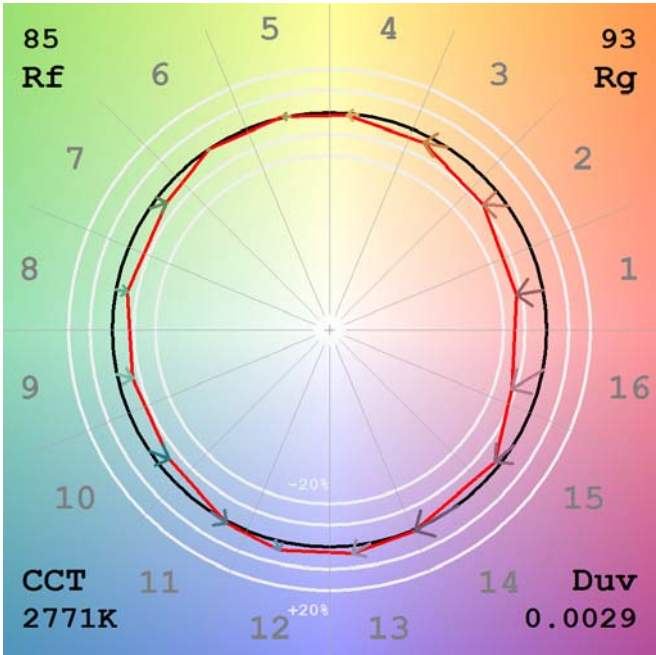
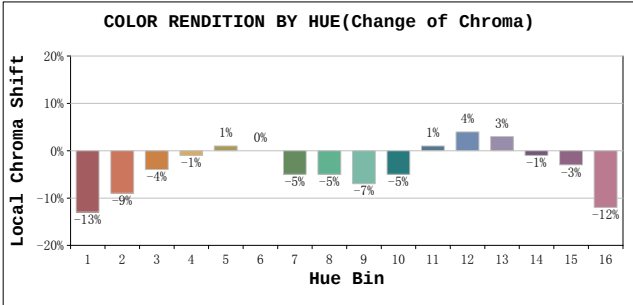
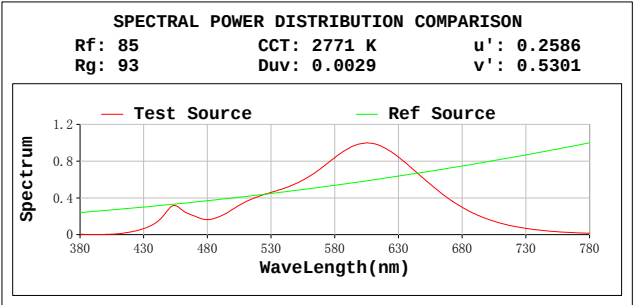
Flux = 402.91 lm Eff. : 90.95 lm/W Fe = 1.2273 W

Flux of emitted photons($\mu\text{mol/s}$):6.0293 Fluo. and blue light ratio:12.10 Fluorescent eff.:197.6

Electrical parameters

V = 120.04 V I = 0.04780 A P = 4.430 W PF = 0.7721

TM30

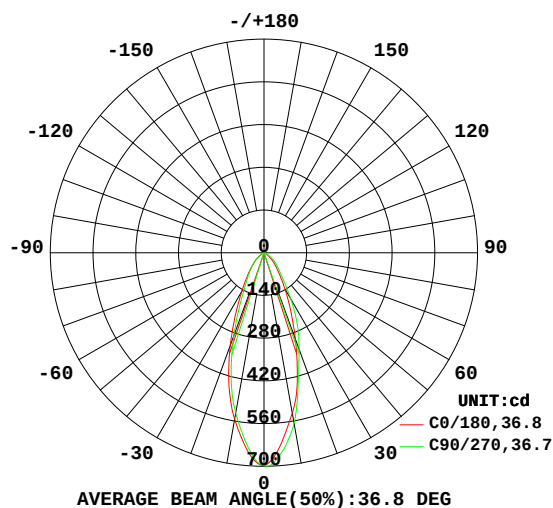


LUMINAIRE PHOTOMETRIC TEST REPORT

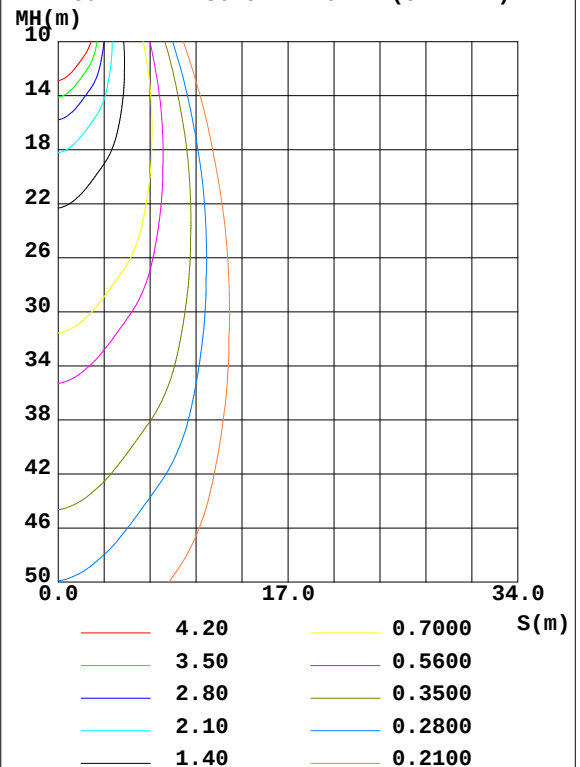
NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.55 lm/W
MODEL	GU10	I _{max} (cd)	699.9	S/MH(C0/180)	0.61	
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.57	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	402.06	η UP, DN(C0-180)	0.0, 53.3	
NOMINAL FLUX(lm)	402.062	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 46.7	
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	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



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 G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

ZONAL FLUX DIAGRAM

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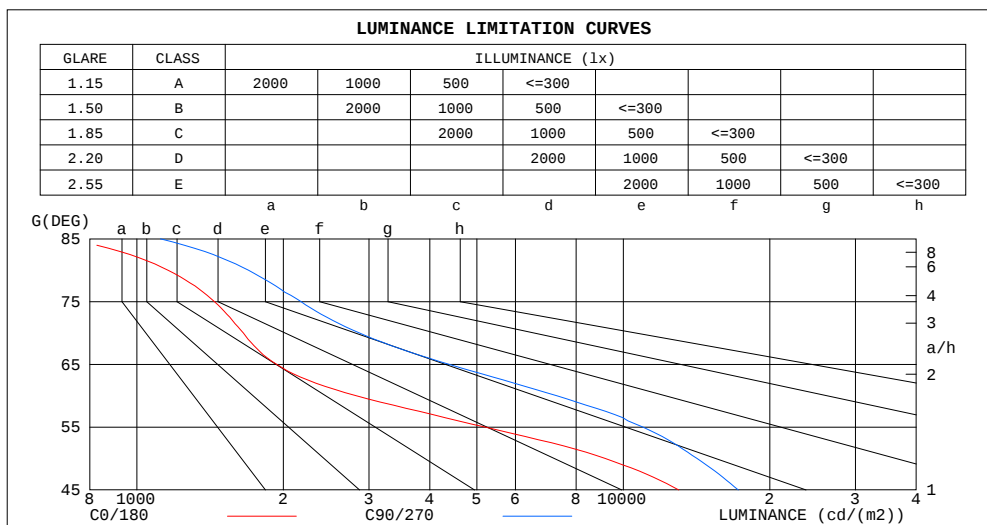
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	631.7	643.4	657.9	659.9	647.2	637.5	633.4	627.1	0- 5	15.97	15.97	3.97,3.97
10	534.2	541.4	567.6	567.5	553.8	532.4	533.9	509.4	5- 10	42.10	58.07	14.4,14.4
15	423.0	416.7	435.4	441.6	445.0	404.4	416.9	380.4	10- 15	56.83	114.9	28.6,28.6
20	301.0	306.1	336.4	322.5	323.6	286.4	289.0	272.9	15- 20	59.00	173.9	43.3,43.3
25	205.8	230.7	258.4	239.6	218.6	198.0	185.0	189.0	20- 25	53.91	227.8	56.7,56.7
30	137.5	164.5	177.0	168.8	145.0	131.4	122.2	125.7	25- 30	45.14	273.0	67.9,67.9
35	92.54	110.6	115.0	115.6	98.66	87.87	88.05	82.94	30- 35	35.44	308.4	76.7,76.7
40	63.99	74.38	80.26	77.58	67.47	60.21	66.42	55.52	35- 40	27.46	335.8	83.5,83.5
45	45.58	49.57	60.44	51.62	46.78	41.31	48.98	38.30	40- 45	21.19	357.0	88.8,88.8
50	29.25	33.87	45.16	33.80	30.33	28.65	32.30	26.58	45- 50	16.08	373.1	92.8,92.8
55	14.79	22.77	31.21	22.93	16.35	19.61	18.24	17.81	50- 55	11.42	384.5	95.6,95.6
60	6.999	15.02	18.09	14.57	7.990	11.34	8.895	10.67	55- 60	7.332	391.9	97.5,97.5
65	4.061	9.503	9.189	8.667	4.344	6.111	4.976	6.150	60- 65	4.345	396.2	98.5,98.5
70	2.807	5.420	4.865	4.898	2.943	3.716	3.305	3.649	65- 70	2.610	398.8	99.2,99.2
75	1.852	2.967	2.792	2.800	2.003	2.401	2.173	2.233	70- 75	1.631	400.5	99.6,99.6
80	0.9979	1.463	1.460	1.460	1.150	1.338	1.211	1.187	75- 80	0.9742	401.4	99.8,99.8
85	0.3131	0.4494	0.4834	0.5154	0.4272	0.4838	0.4159	0.3792	80- 85	0.4543	401.9	100,100
90	0.0011	0.0012	0.0017	0.0066	0.0109	0.0094	0.0023	0.0009	85- 90	0.0035	402.0	100,100
95	0.0008	0.0010	0.0010	0.0009	0.0009	0.0011	0.0010	0.0011	90- 95	0.0006	402.0	100,100
100	0.0008	0.0010	0.0010	0.0009	0.0012	0.0013	0.0012	0.0012	95-100	0.0006	402.0	100,100
105	0.0013	0.0012	0.0011	0.0011	0.0013	0.0015	0.0014	0.0016	100-105	0.0006	402.0	100,100
110	0.0013	0.0013	0.0013	0.0011	0.0015	0.0020	0.0020	0.0019	105-110	0.0007	402.0	100,100
115	0.0014	0.0029	0.0015	0.0018	0.0016	0.0024	0.0024	0.0024	110-115	0.0009	402.0	100,100
120	0.0024	0.0028	0.0028	0.0025	0.0021	0.0027	0.0032	0.0027	115-120	0.0011	402.0	100,100
125	0.0027	0.0034	0.0029	0.0027	0.0027	0.0034	0.0042	0.0034	120-125	0.0013	402.0	100,100
130	0.0039	0.0040	0.0041	0.0031	0.0041	0.0046	0.0054	0.0048	125-130	0.0016	402.0	100,100
135	0.0061	0.0055	0.0060	0.0052	0.0071	0.0080	0.0090	0.0084	130-135	0.0022	402.0	100,100
140	0.0120	0.0109	0.0112	0.0101	0.0122	0.0141	0.0151	0.0148	135-140	0.0035	402.0	100,100
145	0.0212	0.0195	0.0186	0.0184	0.0198	0.0227	0.0245	0.0239	140-145	0.0055	402.0	100,100
150	0.0351	0.0319	0.0304	0.0305	0.0304	0.0333	0.0365	0.0355	145-150	0.0078	402.0	100,100
155	0.0544	0.0495	0.0479	0.0470	0.0459	0.0480	0.0523	0.0512	150-155	0.0103	402.0	100,100
160	0.0743	0.0705	0.0678	0.0668	0.0663	0.0681	0.0710	0.0721	155-160	0.0124	402.0	100,100
165	0.0860	0.0842	0.0804	0.0806	0.0835	0.0855	0.0877	0.0903	160-165	0.0129	402.0	100,100
170	0.0774	0.0761	0.0740	0.0737	0.0787	0.0799	0.0828	0.0861	165-170	0.0100	402.1	100,100
175	0.0527	0.0503	0.0529	0.0521	0.0502	0.0505	0.0521	0.0518	170-175	0.0049	402.1	100,100
180	0.0003	0	0	0	0	0.0005	0.0006	0.0006	175-180	0.0008	402.1	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 G0-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.900m [K=0.6277]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	724	1118
80	1159	1695
75	1443	2175
70	1655	2868
65	1937	4384
60	2822	7294
55	5198	10971
50	9174	14166
45	12995	17232

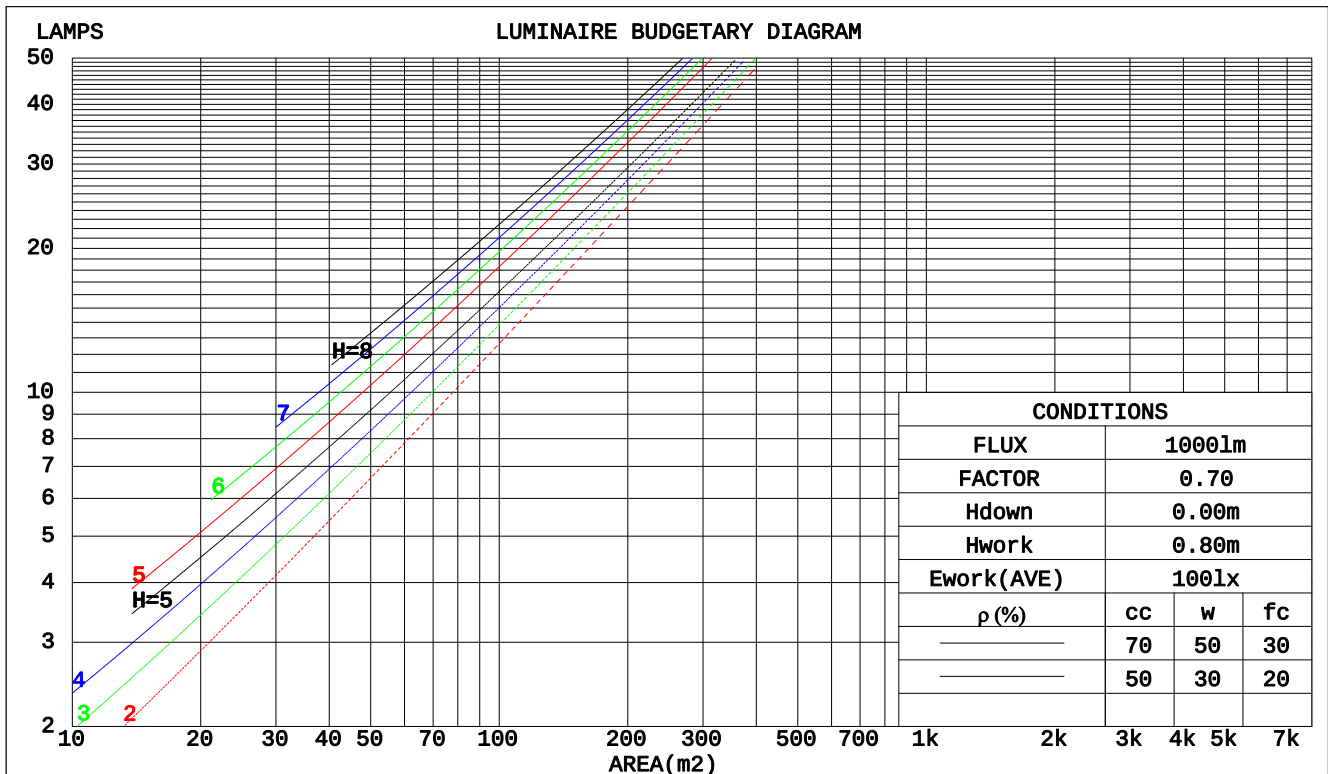
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Test Speed: HIGH
Temperature: 27.1DEG
Operators:
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γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86
3.0	.95	.90	.86	.93	.89	.85	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.83	.78	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.68	.62	.59	.66	.62	.58	.66	.61	.58	.57
9.0	.66	.60	.56	.65	.59	.56	.64	.59	.55	.63	.59	.55	.62	.58	.55	.54
10.0	.62	.56	.53	.62	.56	.53	.61	.56	.52	.60	.56	.52	.60	.55	.52	.51



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6277]
 Remarks:

WEC AND CCEC

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.187	.107	.034	.181	.103	.033	.168	.096	.031	.156	.090	.029	.146	.084	.027		
2.0	.180	.098	.030	.174	.096	.030	.163	.091	.028	.153	.086	.027	.144	.082	.026		
3.0	.170	.091	.027	.166	.089	.027	.156	.085	.026	.148	.081	.025	.140	.078	.024		
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.142	.076	.023	.135	.073	.022		
5.0	.153	.078	.023	.149	.077	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021		
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020		
7.0	.138	.068	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	.120	.062	.018		
8.0	.131	.064	.018	.129	.063	.018	.124	.062	.018	.119	.060	.017	.115	.059	.017		
9.0	.125	.060	.017	.123	.060	.017	.119	.059	.017	.114	.057	.016	.111	.056	.016		
10.0	.119	.057	.016	.117	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.015		

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	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.133	.112	.135	.114	.097	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.089	.125	.098	.077	.086	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.127	.088	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.048	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.042	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.052	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.083	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

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Humidity: 24.3%
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Remarks:

UGR(Unified Glare Rating) Table

NAME: GU10-4.5-827-35D-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	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	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	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H						20.0	21.0	20.2	21.1	21.3	21.8	22.8	22.0	23.0	23.1
3H						20.0	20.9	20.2	21.1	21.3	21.9	22.8	22.2	23.0	23.2
4H						19.9	20.8	20.2	21.0	21.2	21.9	22.7	22.2	23.0	23.2
6H						19.9	20.7	20.2	20.9	21.2	21.8	22.6	22.1	22.9	23.1
8H						19.8	20.6	20.2	20.9	21.1	21.8	22.6	22.1	22.8	23.1
12H						19.8	20.5	20.1	20.8	21.1	21.8	22.5	22.1	22.8	23.1
4H 2H						20.1	21.0	20.4	21.2	21.4	21.8	22.6	22.0	22.8	23.1
3H						20.2	20.9	20.5	21.2	21.5	21.9	22.7	22.2	22.9	23.2
4H						20.1	20.8	20.5	21.1	21.4	21.9	22.6	22.3	22.9	23.2
6H						20.1	20.7	20.5	21.0	21.4	21.9	22.5	22.3	22.8	23.2
8H						20.1	20.6	20.5	21.0	21.4	21.9	22.4	22.3	22.8	23.2
12H						20.0	20.5	20.5	20.9	21.3	21.9	22.4	22.3	22.7	23.1
8H 4H						20.1	20.7	20.5	21.0	21.4	21.8	22.4	22.2	22.8	23.1
6H						20.1	20.5	20.5	20.9	21.4	21.9	22.3	22.3	22.7	23.1
8H						20.1	20.5	20.5	20.9	21.3	21.8	22.2	22.3	22.7	23.1
12H						20.0	20.4	20.5	20.8	21.3	21.8	22.2	22.3	22.6	23.1
12H 4H						20.1	20.6	20.5	20.9	21.3	21.8	22.3	22.2	22.7	23.1
6H						20.1	20.5	20.5	20.9	21.3	21.8	22.2	22.3	22.6	23.1
8H						20.0	20.4	20.5	20.8	21.3	21.8	22.1	22.3	22.6	23.1
Variations with the observer position at spacings:															
S = 1.0H						+ 1.6 / - 2.9					+ 1.0 / - 1.5				
1.5H						+ 1.7 / - 1.5					+ 1.3 / - 1.3				
2.0H						+ 2.9 / - 4.2					+ 2.4 / - 2.8				

CIE Pub.117, 402.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)

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 G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

UTILIZATION FACTORS TABLE

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

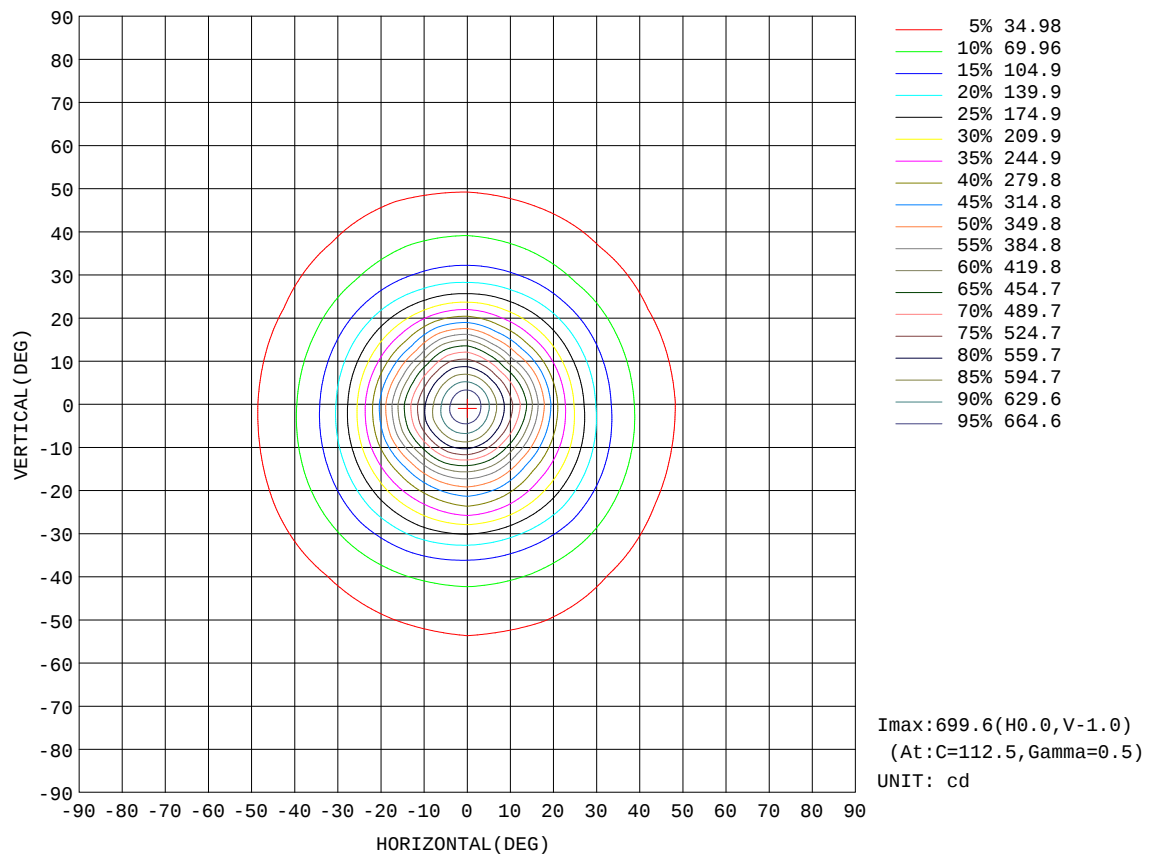
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	81	74	69	80	73	69	80	73	69	65
0.80	89	82	78	89	82	78	87	81	77	73
1.00	95	88	84	94	88	84	92	88	83	79
1.25	100	94	90	99	93	89	97	92	88	84
1.50	103	97	93	102	97	93	99	95	92	87
2.00	106	102	98	105	101	97	102	99	96	90
2.50	108	104	101	107	103	100	104	100	98	92
3.00	110	106	103	108	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	105	103	95
5.00	114	111	109	112	109	107	108	106	104	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 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 G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

ISOCANDELA DIAGRAM

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

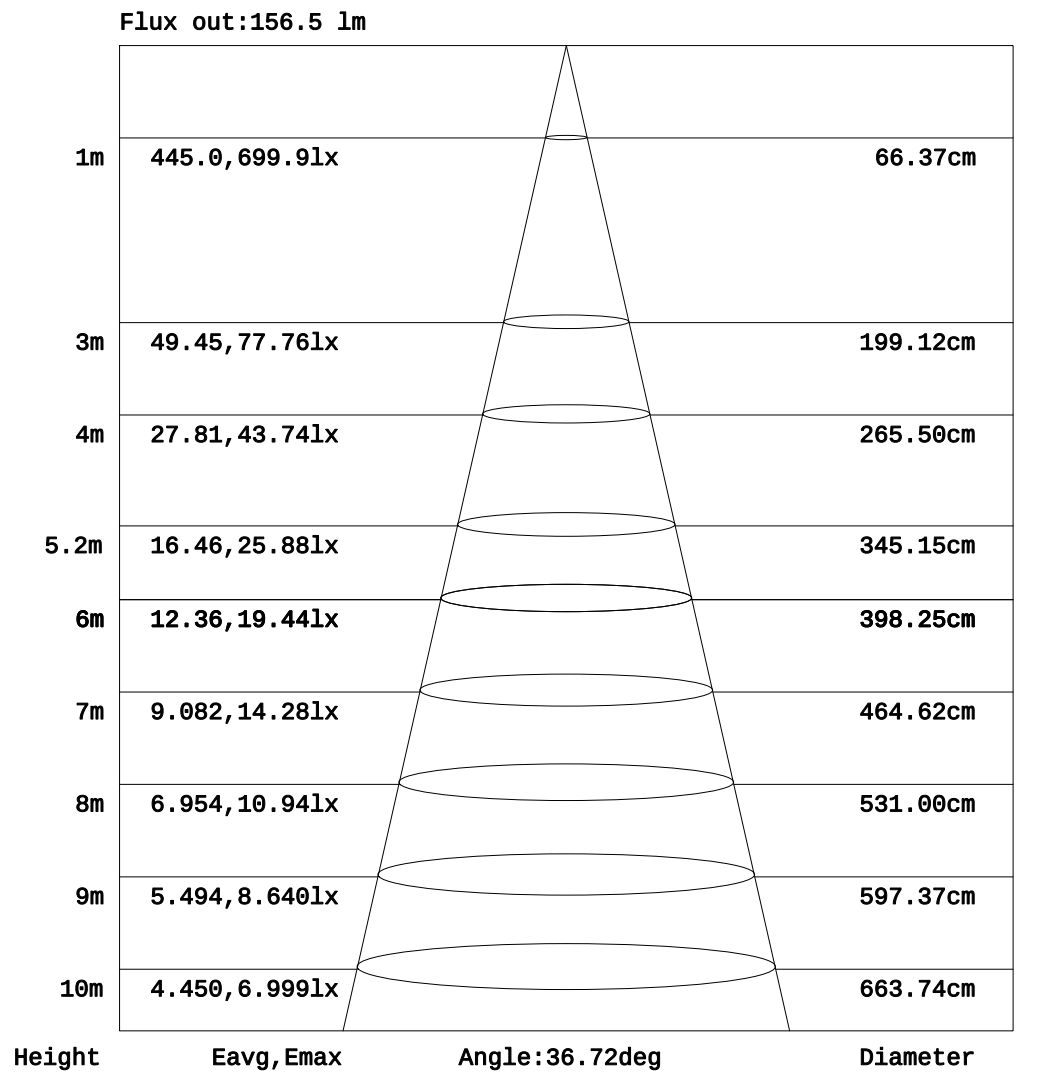


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

AAI Figure

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



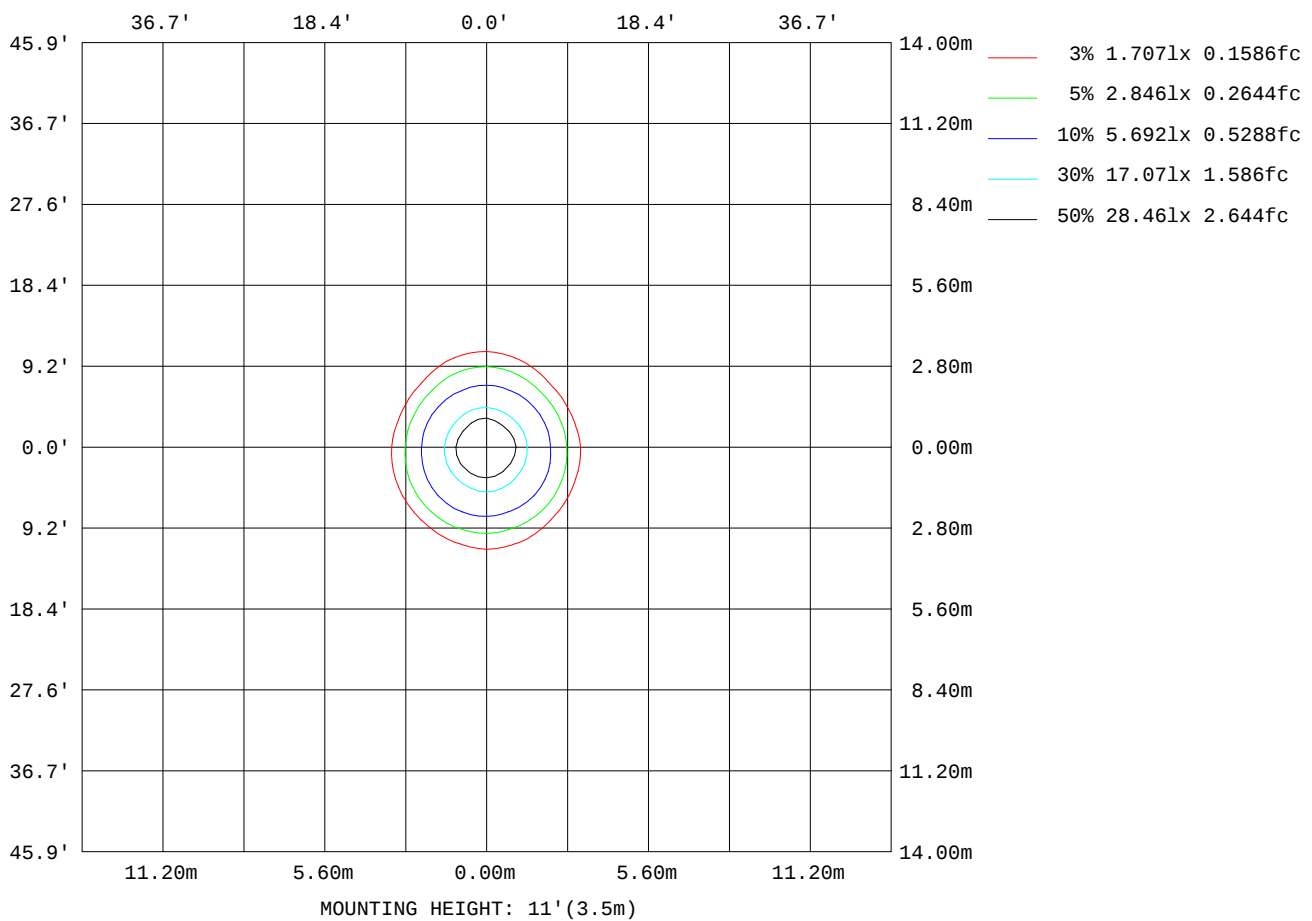
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6277]
 Remarks:

ISOLUX DIAGRAM

NAME: GU10-4.5-827-35D-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: 27.1DEG
Operators:
Test Date: 2020-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

LED Avg.L Report

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

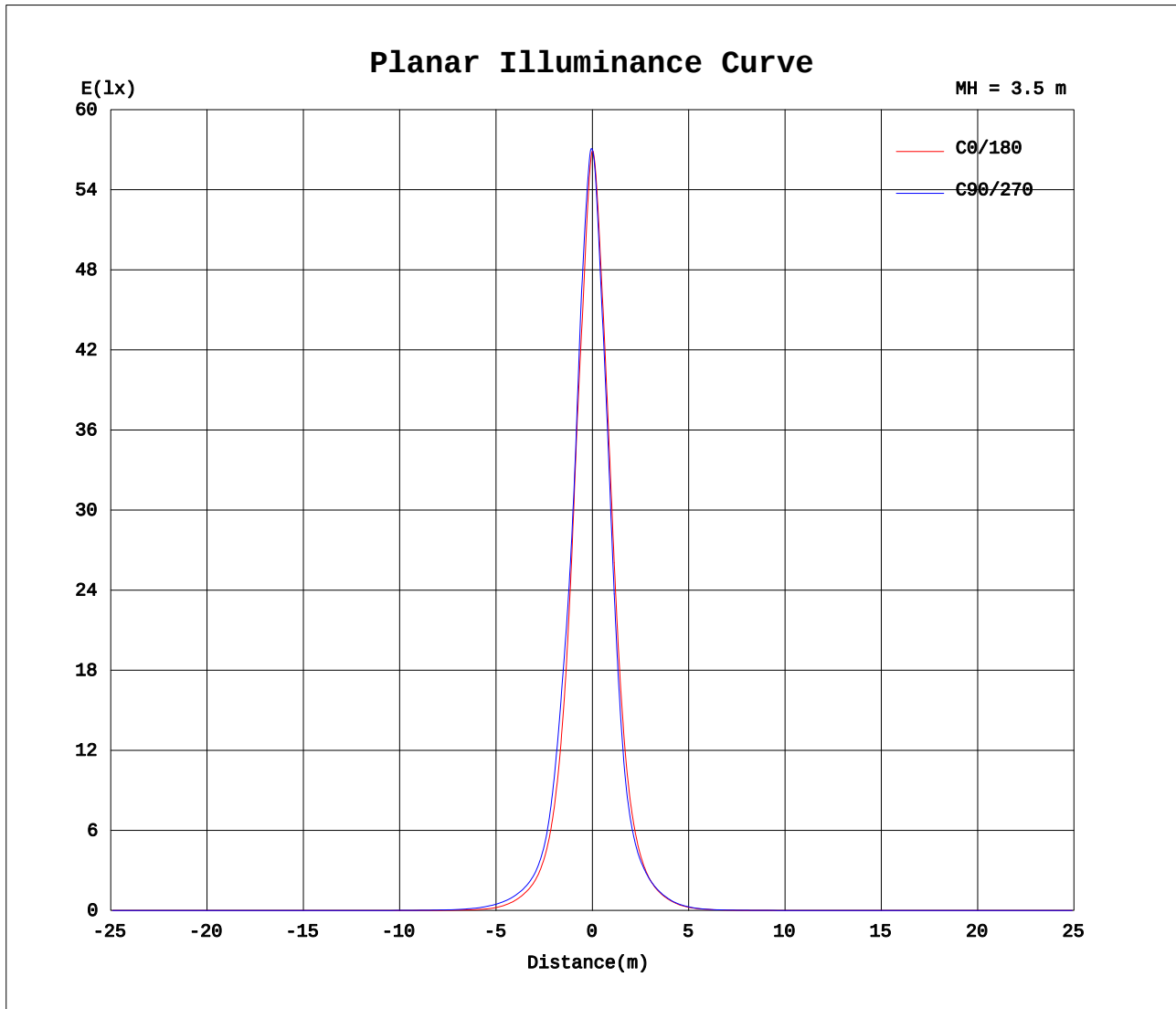
AvgL	cd/m2
L_0~180(65)av	2005
L_0~180(75)av	1501
L_0~180(85)av	856
L_90~270(65)av	3379
L_90~270(75)av	1933
L_90~270(85)av	1040
L_45(65)av	3629
L_45(75)av	2026
L_45(85)av	1057

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 G0-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 G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6277]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: GU10-4.5-827-35D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

Table--1

UNIT: cd

C(°) \ γ (°)	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	697	697	697	698	698	699	699	699	697	697	697	698	698	699	699	699			
5	632	635	643	652	658	660	660	656	647	642	637	636	633	629	627	627			
10	534	537	541	555	568	572	568	567	554	540	532	540	534	518	509	521			
15	423	416	417	429	435	443	442	451	445	417	404	419	417	388	380	404			
20	301	303	306	326	336	329	323	331	324	300	286	293	289	274	273	287			
25	206	221	231	247	258	248	240	232	219	207	198	189	185	185	189	195			
30	137	152	164	170	177	177	169	156	145	138	131	124	122	122	126	131			
35	92.5	102	111	112	115	118	116	106	98.7	91.7	87.9	87.8	88.0	85.6	82.9	87.0			
40	64.0	68.5	74.4	77.4	80.3	80.1	77.6	73.2	67.5	61.6	60.2	65.6	66.4	62.2	55.5	58.1			
45	45.6	45.8	49.6	57.9	60.4	56.4	51.6	49.8	46.8	40.8	41.3	48.2	49.0	44.0	38.3	39.0			
50	29.2	30.1	33.9	42.4	45.2	40.2	33.8	32.6	30.3	27.4	28.6	32.4	32.3	29.0	26.6	26.0			
55	14.8	19.0	22.8	28.2	31.2	27.7	22.9	19.4	16.4	18.1	19.6	19.3	18.2	18.3	17.8	16.3			
60	7.00	11.0	15.0	17.1	18.1	17.6	14.6	9.98	7.99	10.2	11.3	9.76	8.89	10.4	10.7	8.75			
65	4.06	6.12	9.50	9.90	9.19	10.8	8.67	5.20	4.34	5.53	6.11	5.48	4.98	5.78	6.15	4.80			
70	2.81	3.54	5.42	5.55	4.87	5.94	4.90	3.23	2.94	3.30	3.72	3.56	3.30	3.55	3.65	3.01			
75	1.85	2.10	2.97	3.08	2.79	3.28	2.80	2.12	2.00	2.13	2.40	2.33	2.17	2.25	2.23	1.94			
80	1.00	1.09	1.46	1.54	1.46	1.68	1.46	1.22	1.15	1.20	1.34	1.30	1.21	1.23	1.19	1.05			
85	0.31	0.34	0.45	0.48	0.48	0.57	0.52	0.45	0.43	0.44	0.48	0.46	0.42	0.41	0.38	0.33			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00			
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01			
145	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
150	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03			
155	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			
160	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
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	0.09	0.09	0.09	0.09			
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	0.08	0.08	0.09	0.09			
175	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			
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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