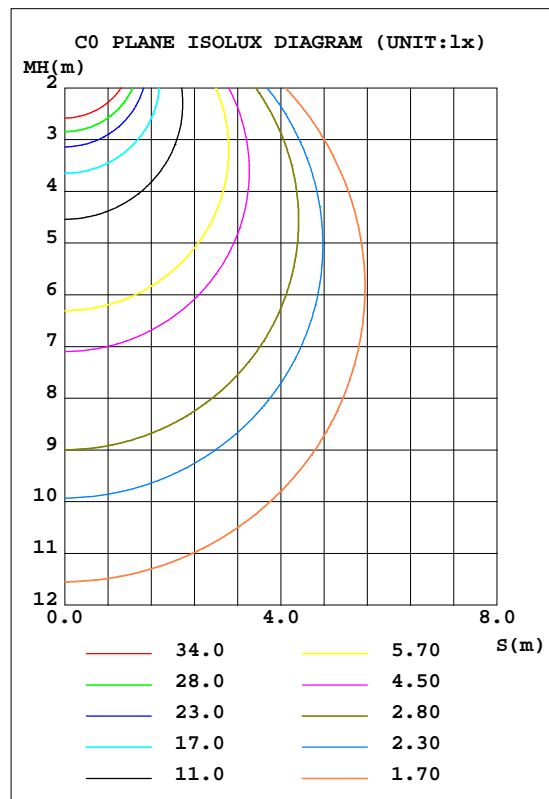
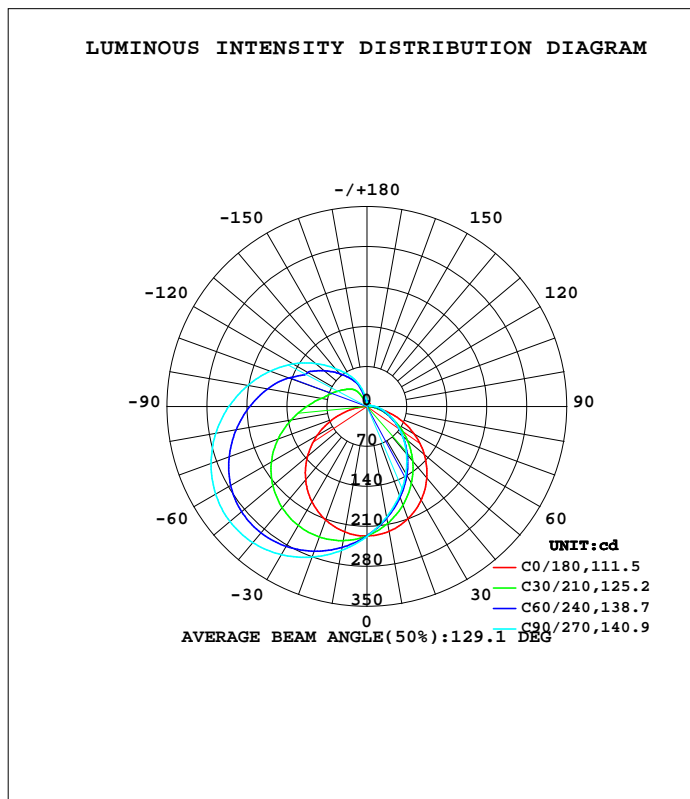


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1918B1-11P06	Imax(cd)	313.6	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.97
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1197.8	h UP, DN(C0-180)	1.2, 20.4
NOMINAL FLUX(lm)	1197.79	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	21.8, 56.6
LAMPS INSIDE	1	h up(%)	23.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.0	h down(%)	77.0	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

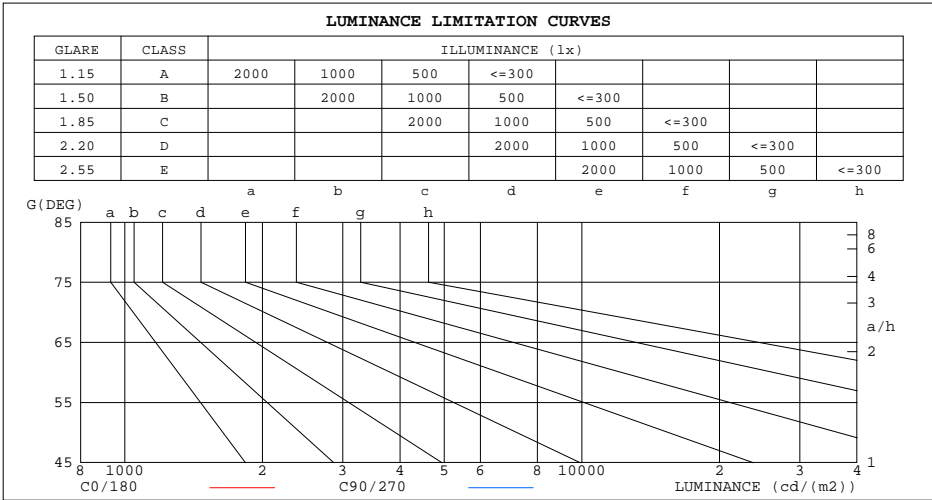
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	222.2	203.0	197.1	205.4	223.2	245.1	255.7	246.1	0- 10	21.58	21.58	1.8,1.8
20	209.5	175.6	166.4	178.6	211.6	257.8	280.4	257.8	10- 20	62.67	84.25	7.03,7.03
30	189.6	146.0	136.5	149.3	192.7	263.9	299.6	263.2	20- 30	97.79	182.0	15.2,15.2
40	163.2	115.5	107.9	118.8	167.2	263.0	311.1	261.4	30- 40	123.7	305.8	25.5,25.5
50	131.4	85.92	81.80	89.04	136.1	254.8	313.3	252.4	40- 50	138.2	444.0	37.1,37.1
60	95.35	58.65	58.79	61.42	100.3	238.9	306.1	235.9	50- 60	140.5	584.5	48.8,48.8
70	56.63	35.67	39.65	37.91	61.56	216.1	290.5	212.6	60- 70	131.2	715.7	59.7,59.7
80	19.83	18.90	24.93	20.44	23.99	188.9	268.7	185.4	70- 80	113.6	829.3	69.2,69.2
90	1.072	9.000	14.62	9.723	1.253	161.0	241.9	157.9	80- 90	93.16	922.4	77.77
100	1.810	4.810	8.481	4.954	1.890	134.4	212.1	132.5	90-100	75.97	998.4	83.4,83.4
110	2.839	3.696	5.630	3.643	2.898	108.1	180.9	110.1	100-110	61.42	1060	88.5,88.5
120	4.241	3.837	4.722	3.774	4.237	91.13	149.6	90.62	110-120	48.19	1108	92.5,92.5
130	5.692	4.010	4.792	3.968	5.703	73.87	117.4	72.35	120-130	36.07	1144	95.5,95.5
140	6.244	4.109	4.715	4.095	6.518	58.52	86.84	55.37	130-140	25.15	1169	97.6,97.6
150	6.109	4.176	4.602	4.168	6.541	44.15	63.98	42.32	140-150	15.89	1185	98.9,98.9
160	6.603	4.228	4.439	4.183	7.097	21.25	41.30	25.15	150-160	8.499	1194	99.7,99.7
170	8.587	7.702	4.831	6.201	8.827	9.232	15.58	13.31	160-170	3.272	1197	99.9,99.9
180	10.25	10.25	7.315	10.07	10.25	10.27	7.336	10.08	170-180	0.9029	1198	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

LUMINANCE LIMITATION CURVES

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



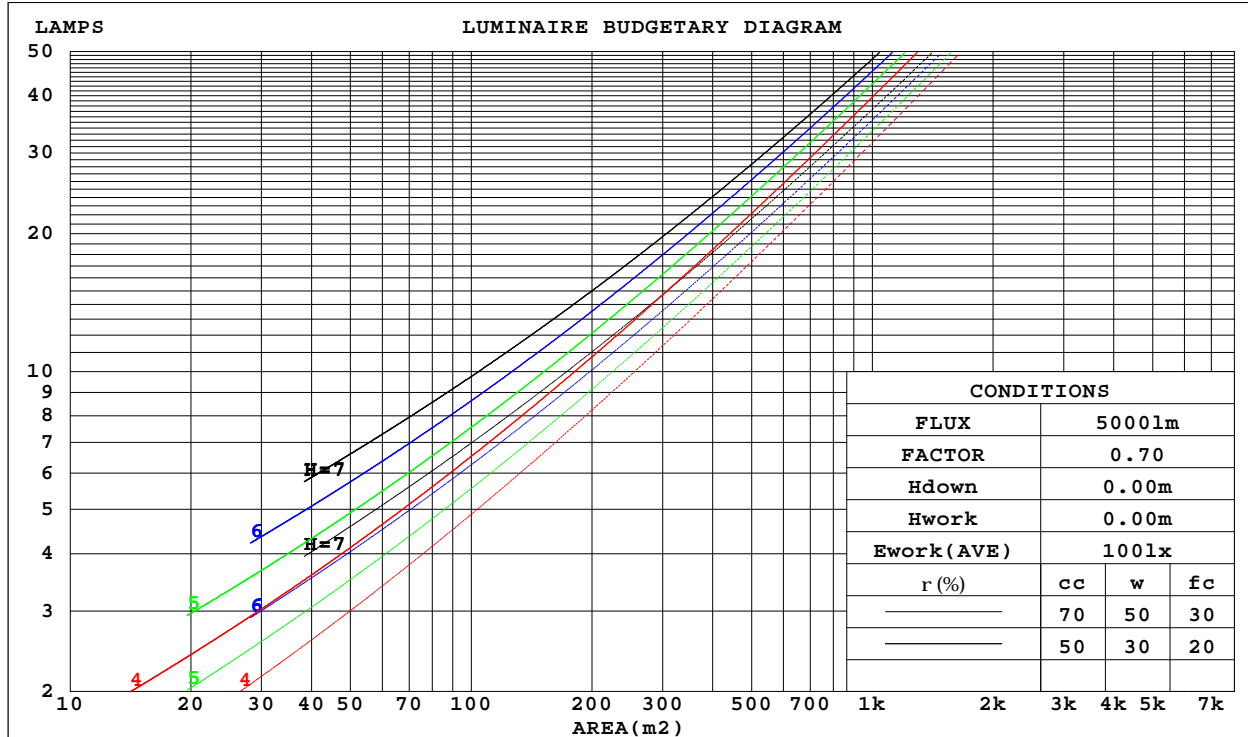
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

G Range: 0 - 180DEG  
 G Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.80	.81	.77	.74	.73	.70	.67	.66	.64	.61	.58
2.0	.80	.72	.66	.76	.69	.63	.69	.63	.58	.62	.58	.54	.56	.52	.49	.45
3.0	.70	.61	.53	.66	.58	.51	.60	.53	.48	.54	.48	.44	.49	.44	.40	.37
4.0	.61	.52	.44	.58	.49	.43	.53	.45	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.36	.47	.39	.34	.42	.36	.31	.38	.33	.29	.26
6.0	.48	.39	.32	.46	.37	.31	.42	.35	.29	.38	.32	.27	.34	.29	.25	.22
7.0	.44	.34	.28	.42	.33	.27	.38	.31	.25	.35	.28	.24	.31	.26	.22	.20
8.0	.39	.31	.25	.38	.30	.24	.35	.28	.23	.32	.25	.21	.29	.23	.20	.17
9.0	.36	.28	.22	.35	.27	.21	.32	.25	.20	.29	.23	.19	.26	.21	.18	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.23	.18	.27	.21	.17	.25	.19	.16	.14



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

WEC AND CCEC

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.389	.221	.070	.375	.214	.068	.348	.200	.064	.324	.187	.060	.301	.175	.056	
2.0	.335	.184	.056	.322	.178	.055	.298	.166	.051	.276	.155	.048	.255	.144	.046	
3.0	.297	.158	.047	.285	.153	.046	.263	.143	.043	.243	.133	.041	.224	.124	.038	
4.0	.267	.139	.041	.256	.134	.040	.236	.125	.037	.218	.117	.035	.201	.109	.033	
5.0	.242	.123	.036	.233	.119	.035	.214	.112	.033	.197	.104	.031	.182	.097	.029	
6.0	.222	.111	.032	.213	.108	.031	.196	.101	.029	.181	.094	.028	.166	.088	.026	
7.0	.204	.101	.029	.196	.098	.028	.181	.092	.026	.167	.086	.025	.153	.080	.023	
8.0	.189	.093	.026	.182	.090	.025	.168	.084	.024	.155	.078	.023	.142	.073	.021	
9.0	.176	.085	.024	.170	.083	.023	.157	.077	.022	.144	.072	.021	.133	.068	.020	
10.0	.165	.079	.022	.159	.077	.021	.147	.072	.020	.135	.067	.019	.125	.063	.018	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.366	.366	.366	.312	.312	.312	.213	.213	.213	.123	.123	.123	.039	.039	.039	
1.0	.362	.332	.305	.310	.285	.262	.212	.196	.181	.122	.113	.105	.039	.037	.034	
2.0	.356	.309	.271	.305	.266	.234	.209	.184	.163	.120	.107	.096	.039	.035	.031	
3.0	.348	.293	.249	.299	.253	.216	.205	.176	.152	.118	.103	.089	.038	.033	.029	
4.0	.341	.281	.235	.292	.243	.204	.201	.169	.144	.116	.099	.085	.037	.032	.028	
5.0	.333	.271	.226	.286	.235	.196	.197	.164	.139	.114	.096	.082	.037	.031	.027	
6.0	.326	.263	.219	.280	.228	.190	.193	.160	.135	.112	.094	.080	.036	.031	.026	
7.0	.319	.257	.214	.274	.223	.186	.189	.156	.132	.110	.092	.079	.036	.030	.026	
8.0	.312	.251	.210	.269	.218	.183	.186	.153	.130	.108	.090	.077	.035	.030	.026	
9.0	.306	.247	.207	.263	.214	.180	.182	.150	.128	.106	.089	.076	.034	.029	.025	
10.0	.300	.243	.204	.259	.211	.178	.179	.148	.127	.105	.088	.076	.034	.029	.025	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

UGR(Unified Glare Rating) Table

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm										
NAME: Marilyn 60 12W LED bathroom light					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					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	2.2	3.6	2.8	4.1	4.8	0.7	2.0	1.2	2.6	3.2
3H	3.6	4.8	4.2	5.4	6.1	2.2	3.4	2.8	4.0	4.7
4H	4.0	5.2	4.7	5.8	6.6	2.9	4.1	3.5	4.7	5.4
6H	4.3	5.4	5.0	6.1	6.8	3.7	4.8	4.3	5.4	6.2
8H	4.4	5.4	5.0	6.1	6.9	4.1	5.2	4.8	5.8	6.6
12H	4.4	5.4	5.1	6.1	6.8	4.6	5.6	5.3	6.3	7.0
4H 2H	2.4	3.5	3.0	4.2	4.9	1.1	2.3	1.7	2.9	3.6
3H	3.8	4.8	4.5	5.5	6.3	2.8	3.8	3.4	4.5	5.2
4H	4.4	5.3	5.1	6.0	6.8	3.7	4.6	4.4	5.3	6.1
6H	4.7	5.6	5.5	6.3	7.1	4.6	5.5	5.4	6.2	7.0
8H	4.8	5.6	5.6	6.3	7.2	5.2	6.0	5.9	6.7	7.5
12H	4.9	5.6	5.6	6.3	7.2	5.8	6.5	6.5	7.2	8.1
8H 4H	4.5	5.3	5.2	6.0	6.8	3.9	4.7	4.6	5.4	6.2
6H	5.0	5.6	5.7	6.4	7.3	5.1	5.7	5.8	6.5	7.4
8H	5.1	5.7	5.9	6.5	7.4	5.7	6.3	6.5	7.1	8.0
12H	5.2	5.7	6.0	6.5	7.5	6.6	7.1	7.3	7.9	8.8
12H 4H	4.5	5.2	5.2	5.9	6.8	3.9	4.6	4.6	5.3	6.2
6H	5.0	5.6	5.8	6.4	7.3	5.1	5.7	5.9	6.5	7.4
8H	5.3	5.8	6.0	6.6	7.5	5.9	6.4	6.6	7.2	8.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.7 / - 0.6					+ 0.2 / - 0.3				
2.0H	+ 1.2 / - 1.1					+ 0.1 / - 0.2				

CIE Pub.117, 1198 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

UTILIZATION FACTORS TABLE

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

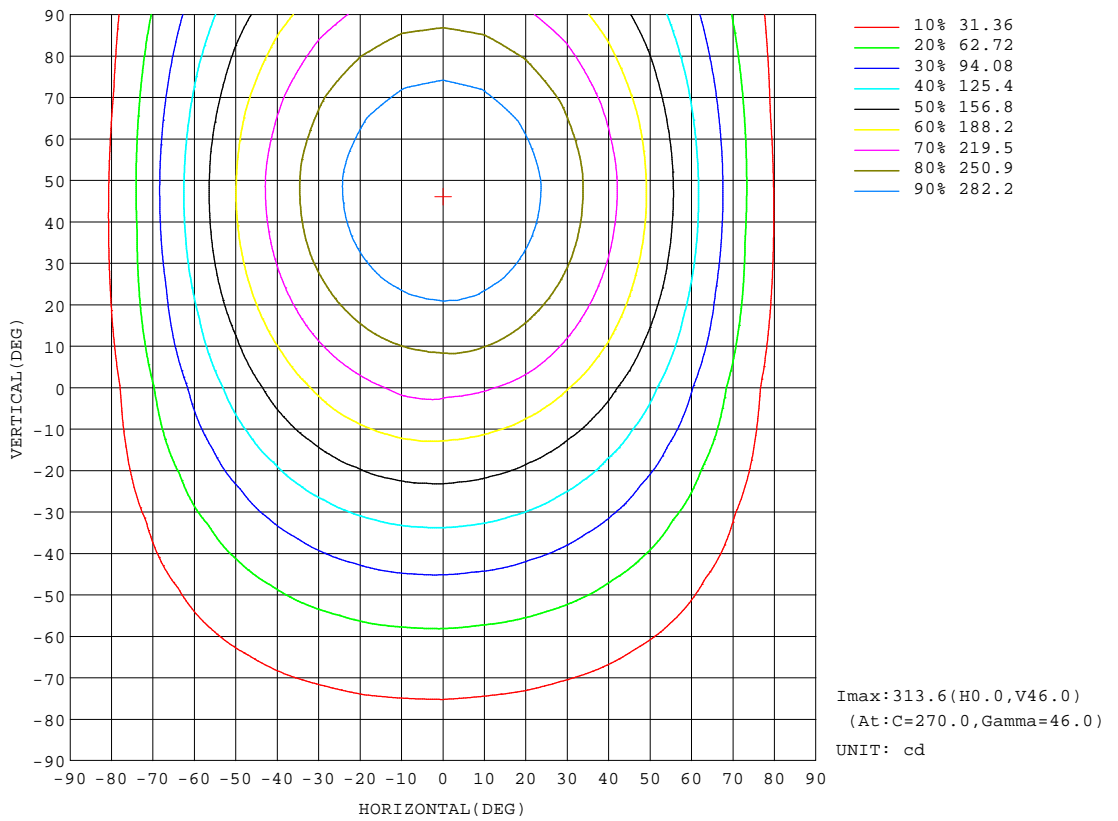
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	33	26	45	33	26	42	32	25	18
0.80	55	42	34	53	41	33	50	39	32	24
1.00	62	49	41	60	48	40	56	48	39	30
1.25	69	57	48	67	55	47	62	52	45	35
1.50	75	62	53	72	60	52	66	57	50	38
2.00	82	71	62	78	68	60	72	64	57	44
2.50	87	76	68	83	73	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	52
4.00	95	87	80	91	83	77	83	77	72	56
5.00	98	91	85	94	87	82	85	80	76	59
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

ISOCANDELA DIAGRAM

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 19 September 2018

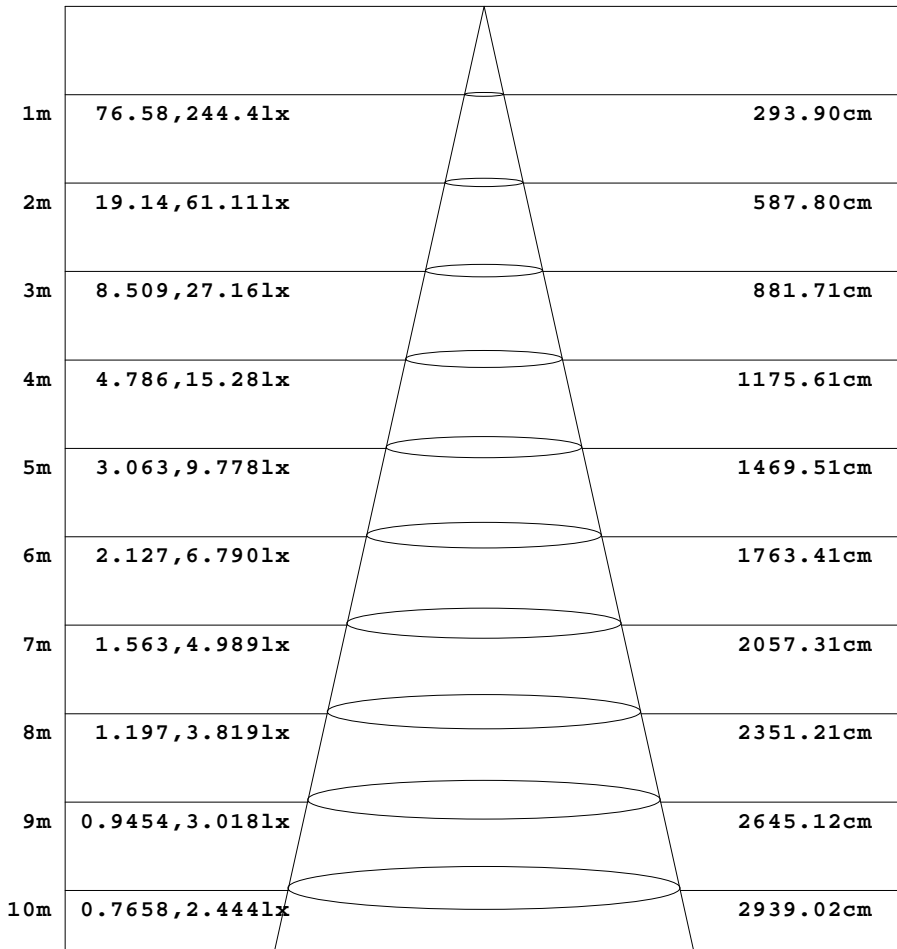
Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ



**AAI Figure**

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Flux out:528.8 lm



Height                      Eavg, Emax                      Angle:111.53deg                      Diameter

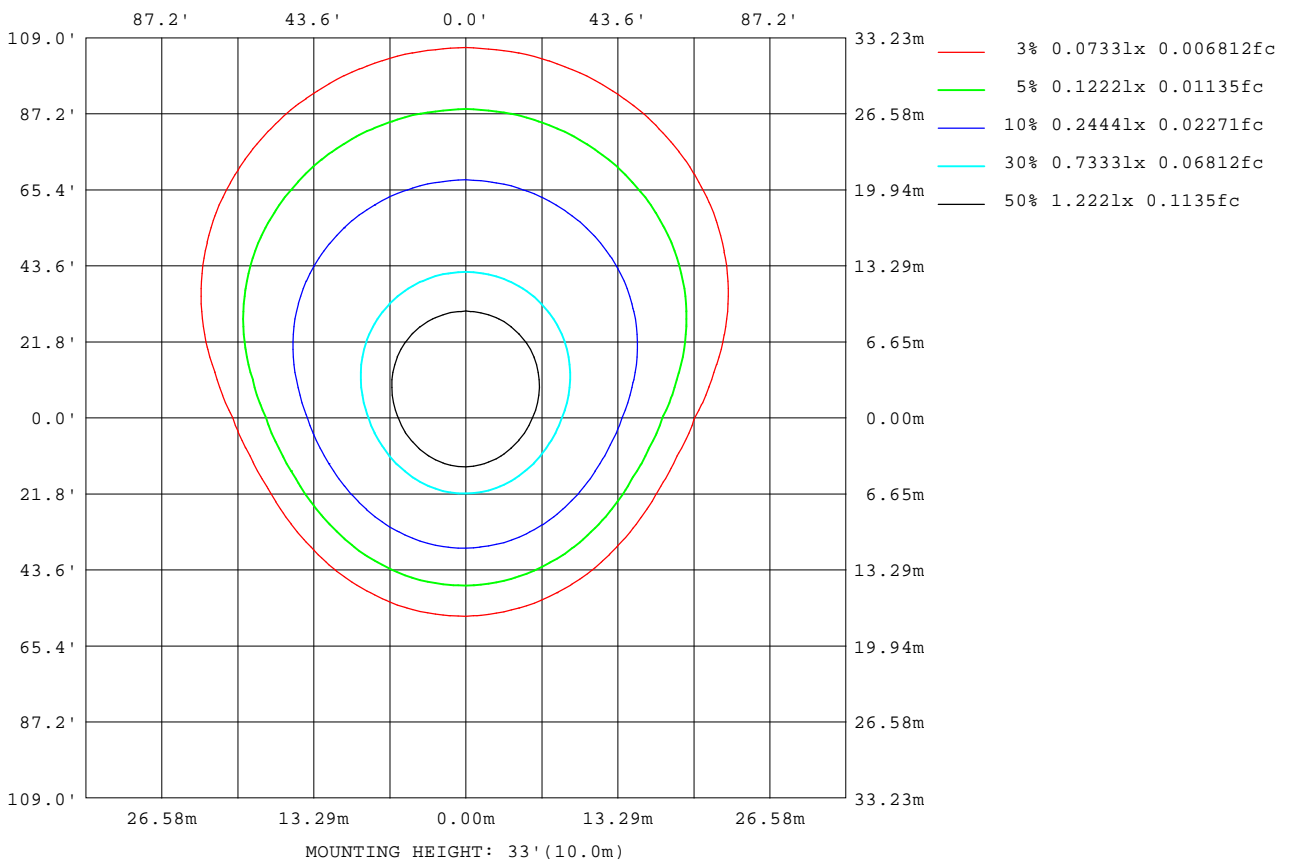
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

**ISOLUX DIAGRAM**

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 19 September 2018

Page Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

LED Avg.L Report

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

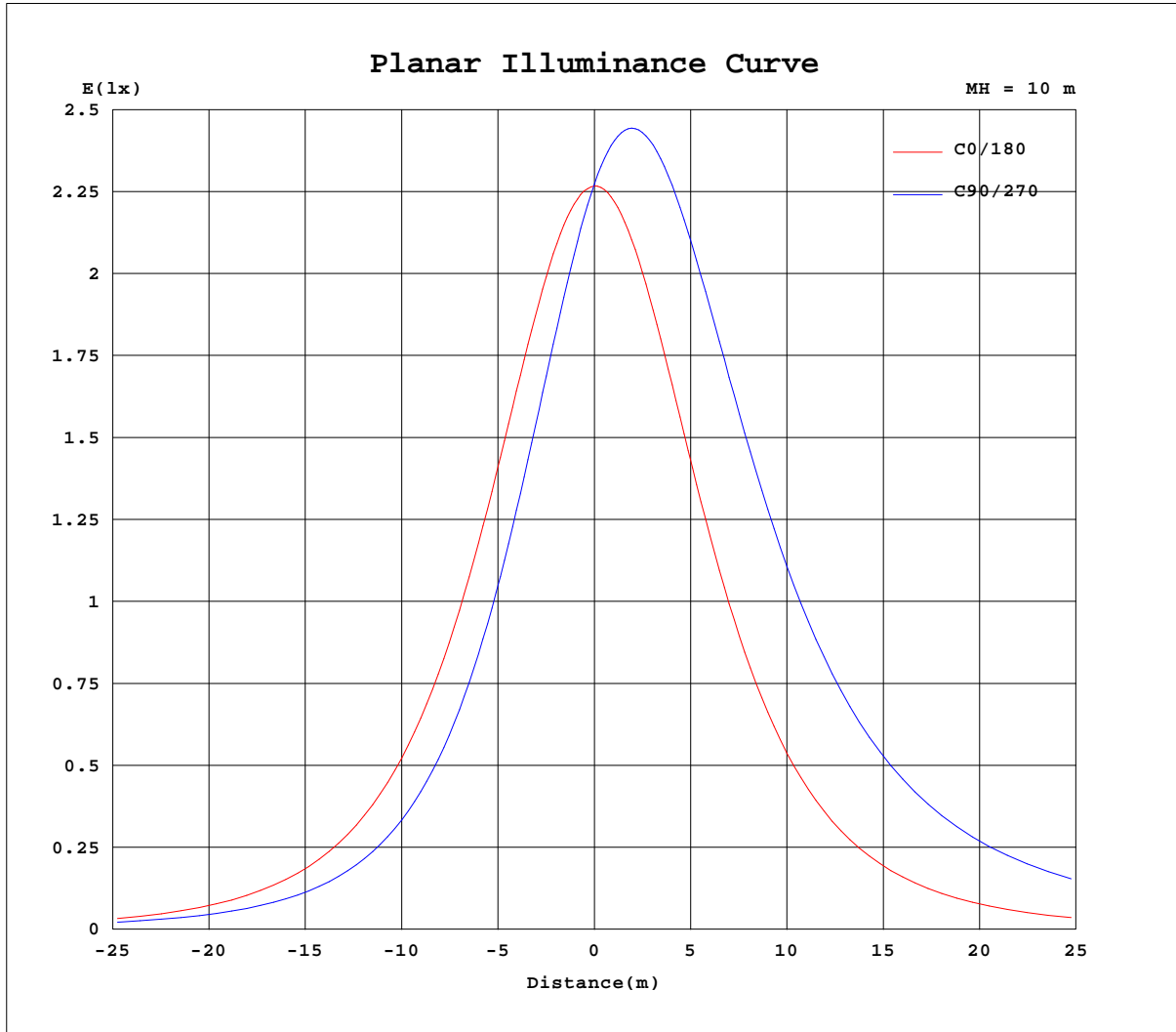
AvgL	cd/m2
L_0~180(65)av	186
L_0~180(75)av	154
L_0~180(85)av	87
L_90~270(65)av	412
L_90~270(75)av	603
L_90~270(85)av	1578
L_45(65)av	325
L_45(75)av	442
L_45(85)av	1076

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 19 September 2018

Page Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marylin 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	227	227	227	227	226	227	227	227	227	227	228	228	228	228	228	228	228	229	227
5	225	223	220	218	216	215	213	212	212	212	213	214	215	217	218	220	223	225	226
10	222	217	212	208	204	202	199	198	197	197	198	199	201	204	207	211	215	220	223
15	217	209	202	197	191	188	184	183	181	182	182	184	187	190	194	200	206	213	218
20	209	200	191	184	178	173	170	168	166	166	167	169	172	176	181	187	195	204	212
25	200	189	178	170	163	159	155	152	151	151	152	154	157	161	167	174	182	193	203
30	190	176	165	156	149	144	140	138	136	137	137	139	142	146	152	160	169	181	193
35	177	162	150	140	133	128	125	123	122	122	123	125	127	131	137	144	154	167	181
40	163	147	134	125	118	113	110	109	108	108	109	110	113	116	121	129	138	152	167
45	148	131	117	109	102	98.8	96.1	95.1	94.1	94.6	95.2	96.8	98.5	102	106	113	122	136	152
50	131	114	101	92.8	87.2	84.6	82.5	81.9	81.1	81.8	82.3	83.5	84.8	87.4	90.7	96.7	105	119	136
55	114	95.8	83.5	77.1	72.8	71.0	69.6	69.4	69.1	69.8	70.2	71.1	71.7	73.6	76.0	80.9	88.0	101	119
60	95.4	77.8	66.9	62.1	59.0	58.3	57.6	58.0	58.0	58.8	59.0	59.6	59.7	60.8	62.0	65.6	71.1	82.7	100
65	76.1	59.6	51.0	47.8	46.4	46.7	46.6	47.5	47.9	48.7	48.8	49.1	48.6	48.9	49.1	51.2	54.9	64.3	81.2
70	56.6	42.2	36.3	35.2	35.1	36.2	37.0	38.3	38.9	39.7	39.6	39.6	38.8	38.3	37.5	38.0	39.7	46.5	61.6
75	37.4	26.4	23.6	24.4	25.4	27.3	28.7	30.2	30.9	31.7	31.6	31.3	30.1	29.2	27.5	26.7	26.4	30.0	42.1
80	19.8	13.5	13.7	15.8	17.7	20.1	21.7	23.4	24.2	24.9	24.7	24.3	23.0	21.5	19.4	17.6	15.7	16.1	24.0
85	6.20	5.21	7.11	9.63	11.9	14.3	16.1	17.7	18.6	19.2	19.0	18.4	17.0	15.4	13.1	10.8	8.25	6.52	8.98
90	1.07	1.94	3.63	5.75	7.89	10.1	11.8	13.3	14.1	14.6	14.4	13.8	12.4	10.8	8.64	6.43	4.08	2.14	1.25
95	1.39	1.54	2.38	3.81	5.46	7.23	8.68	9.95	10.7	11.1	10.8	10.2	9.04	7.63	5.83	4.05	2.43	1.39	1.43
100	1.81	1.71	2.14	2.99	4.14	5.48	6.59	7.61	8.18	8.48	8.26	7.76	6.79	5.65	4.26	3.02	2.04	1.54	1.89
105	2.27	1.90	2.29	2.76	3.56	4.52	5.40	6.16	6.54	6.73	6.53	6.14	5.39	4.54	3.55	2.69	2.16	1.74	2.38
110	2.84	2.07	2.44	2.90	3.38	4.02	4.68	5.28	5.58	5.63	5.48	5.17	4.62	3.98	3.31	2.83	2.35	1.95	2.90
115	3.51	2.27	2.63	3.06	3.53	3.94	4.31	4.74	4.99	4.98	4.85	4.60	4.21	3.83	3.45	3.00	2.55	2.16	3.53
120	4.24	2.44	2.79	3.21	3.64	4.03	4.38	4.62	4.76	4.72	4.60	4.47	4.26	3.96	3.59	3.17	2.76	2.37	4.24
125	4.97	2.61	2.95	3.34	3.75	4.11	4.43	4.66	4.78	4.78	4.65	4.53	4.33	4.05	3.71	3.33	2.93	2.57	4.98
130	5.69	2.81	3.11	3.47	3.84	4.18	4.45	4.67	4.78	4.79	4.67	4.55	4.38	4.12	3.82	3.47	3.09	2.78	5.70
135	6.29	3.51	3.25	3.58	3.92	4.21	4.46	4.66	4.76	4.77	4.66	4.57	4.40	4.17	3.90	3.57	3.26	3.38	6.41
140	6.24	4.16	3.39	3.69	3.97	4.24	4.45	4.62	4.71	4.71	4.64	4.55	4.42	4.21	3.97	3.68	3.38	4.10	6.52
145	6.02	4.86	3.51	3.78	4.03	4.25	4.43	4.57	4.66	4.67	4.61	4.53	4.43	4.24	4.03	3.77	3.51	4.89	6.31
150	6.11	5.51	3.83	3.88	4.09	4.26	4.40	4.52	4.59	4.60	4.56	4.50	4.40	4.26	4.08	3.86	3.66	5.58	6.54
155	6.38	6.01	4.90	3.97	4.14	4.28	4.38	4.47	4.52	4.53	4.49	4.45	4.38	4.25	4.09	3.92	4.66	6.16	6.84
160	6.60	6.31	5.87	4.90	4.19	4.27	4.33	4.40	4.44	4.44	4.43	4.40	4.33	4.24	4.12	4.32	5.64	6.51	7.10
165	6.94	6.73	6.97	6.80	5.62	4.22	4.22	4.24	4.28	4.33	4.34	4.33	4.30	4.23	4.80	5.62	6.46	6.74	7.30
170	8.59	8.30	8.35	8.52	8.16	7.25	6.53	5.86	5.59	4.83	4.97	5.10	5.43	5.78	6.62	7.52	8.09	8.26	8.83
175	10.2	9.94	9.73	9.57	9.48	9.42	9.28	8.84	6.73	6.75	6.79	6.85	7.94	8.83	9.28	9.35	9.46	9.66	10.2
180	10.2	10.3	10.3	10.3	10.3	10.2	9.37	7.39	7.31	7.32	8.96	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.3

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.38V I:0.0677A P:15.038W PF:0.9643 Freq:49.99Hz Lamp Flux:1197.79x1 lm		
NAME: Marilyn 60 12W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	227	227	227	226	227	227	227	227	227	228	228	228	228	228	228	228	229		
5	229	231	233	235	238	239	240	241	242	242	242	240	239	237	235	232	230		
10	228	233	238	243	247	250	253	255	256	255	254	251	248	244	239	234	229		
15	226	234	242	249	256	261	265	267	269	268	266	261	256	249	242	234	226		
20	222	233	243	253	262	270	275	279	280	279	276	270	262	253	243	232	222		
25	216	229	243	256	267	277	285	289	291	289	285	277	267	255	242	229	215		
30	208	224	241	257	271	283	292	297	300	298	292	283	271	256	240	223	206		
35	198	217	237	256	273	287	298	304	306	304	298	286	272	255	235	216	196		
40	187	209	231	253	273	289	301	309	311	309	301	288	271	252	229	207	184		
45	174	199	224	249	271	289	302	311	313	310	302	288	269	247	222	196	171		
50	159	187	215	243	267	287	301	310	313	310	300	285	265	240	213	184	156		
55	144	174	205	235	261	282	298	308	311	308	297	280	258	232	202	171	140		
60	127	160	193	225	253	276	292	303	306	302	291	274	250	222	190	156	123		
65	109	145	180	214	243	267	285	296	299	295	283	265	240	210	176	140	105		
70	90.2	128	165	201	231	257	275	287	291	287	274	254	228	197	161	124	85.9		
75	71.1	111	150	187	219	245	264	277	280	276	263	243	215	183	146	107	66.8		
80	52.5	93.8	134	173	205	232	252	265	269	264	251	230	202	169	130	89.6	48.4		
85	36.0	77.8	119	158	191	219	239	252	256	251	238	217	188	155	116	74.1	32.7		
90	24.0	64.4	106	144	177	205	225	238	242	238	224	203	175	141	102	61.4	22.0		
95	18.0	54.3	93.6	131	164	191	211	224	227	223	210	189	161	129	90.8	52.0	17.1		
100	15.5	46.5	81.9	118	151	177	196	209	212	208	195	175	148	117	81.1	45.5	15.2		
105	14.9	41.5	73.4	104	135	163	181	193	197	193	180	161	136	106	73.0	41.0	14.2		
110	15.2	38.0	67.1	96.5	120	146	166	178	181	177	166	148	124	96.3	66.2	37.4	14.5		
115	15.4	35.6	61.2	88.1	112	129	149	162	165	162	151	135	113	87.5	60.4	34.3	14.4		
120	14.6	33.7	56.0	80.2	102	120	131	145	150	147	137	122	102	79.4	54.6	31.6	13.5		
125	13.3	32.1	51.4	72.5	92.0	109	116	128	134	132	123	110	91.6	71.2	49.3	30.3	12.0		
130	11.6	30.6	47.2	65.3	82.4	97.6	108	112	117	117	109	97.4	81.4	63.3	44.3	28.8	10.2		
135	10.1	27.9	43.4	58.7	73.3	86.4	95.8	98.2	102	102	95.8	85.3	71.3	55.8	40.7	26.2	9.71		
140	10.2	24.5	39.7	52.5	64.6	75.6	83.6	86.2	86.8	88.0	82.4	73.5	61.7	49.0	37.6	22.7	9.99		
145	9.57	19.7	34.7	46.6	56.5	65.4	72.0	76.1	75.2	74.1	69.7	62.3	52.9	44.3	32.8	18.5	10.2		
150	8.35	13.3	26.4	39.4	48.9	55.9	61.1	64.4	64.0	61.2	57.7	52.6	46.6	38.0	26.9	14.1	10.4		
155	8.00	9.51	17.5	28.2	38.6	47.0	51.2	53.7	53.2	51.8	49.0	44.8	38.5	30.4	20.3	12.9	10.3		
160	7.95	9.03	10.7	17.6	24.9	33.6	39.9	42.3	41.3	41.0	38.4	34.4	28.7	21.6	14.5	12.4	9.63		
165	7.86	8.58	9.35	10.1	13.4	17.6	24.3	28.7	28.9	27.6	25.3	22.3	17.6	14.7	13.2	11.8	9.34		
170	9.11	9.26	9.06	9.04	9.42	9.67	9.91	14.2	15.6	15.2	14.8	14.4	13.7	12.9	12.1	11.3	9.72		
175	10.5	10.7	10.5	10.0	8.95	8.36	8.44	8.45	12.5	12.3	12.2	12.0	11.7	11.4	11.0	10.6	10.3		
180	10.3	10.3	10.3	10.3	10.3	9.34	7.37	7.32	7.34	9.08	10.1	10.1	10.1	10.1	10.1	10.0	10.0		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:19 September 2018

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.320m [K=1.0000]  
 Remarks: Edison SMD AED12-350ILSJ