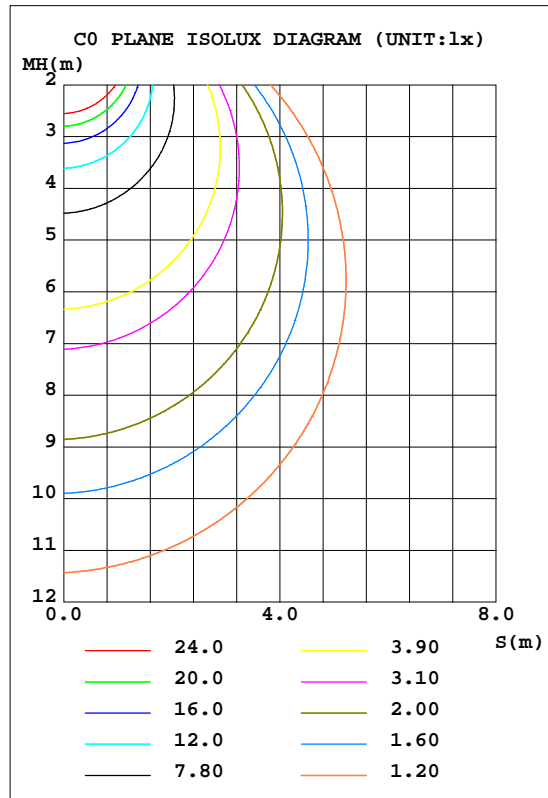
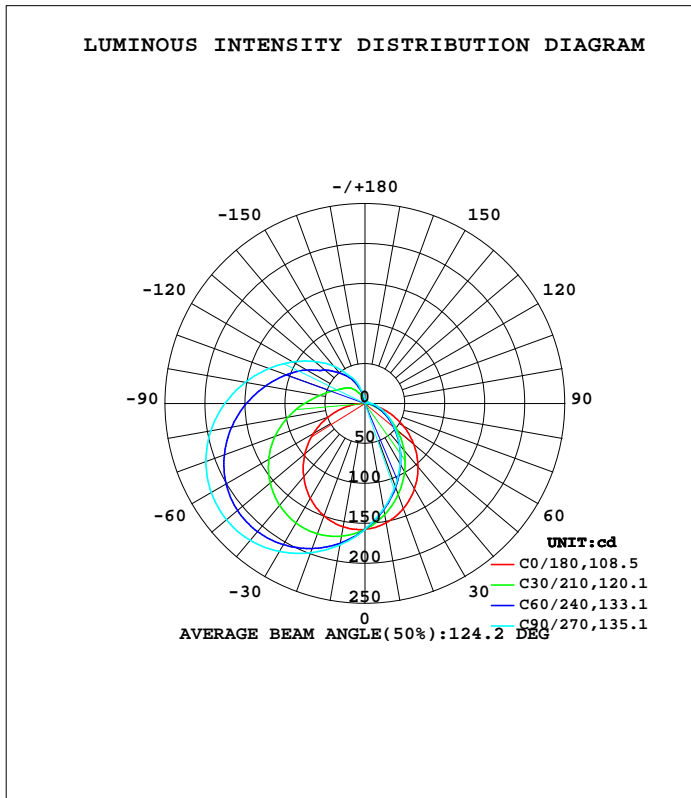


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.59 lm/W			
MODEL	1918A1-11P03	I _{max} (cd)	226.3	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	2.02
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	821.10	h UP, DN(C0-180)	1.1,18.9
NOMINAL FLUX(lm)	821.101	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	21.9,58.1
LAMPS INSIDE	1	h up(%)	23.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.0	h down(%)	77.0	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

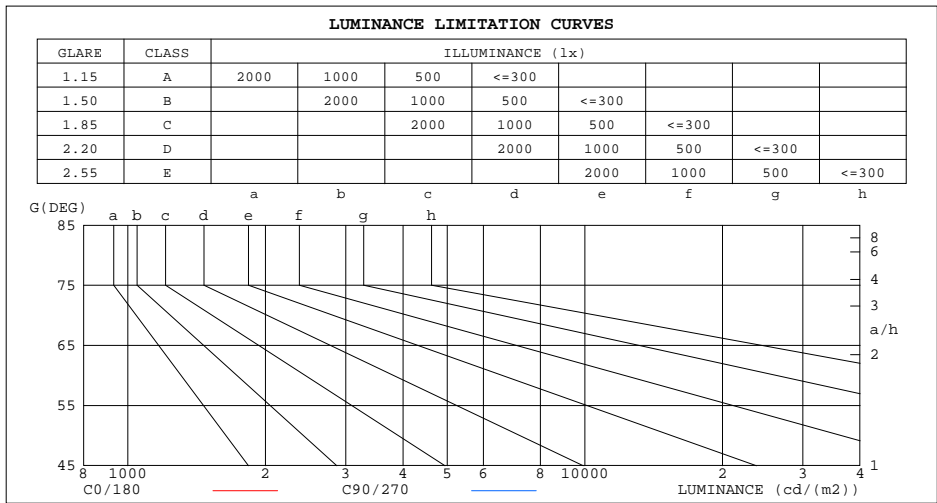
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	151.7	137.8	134.0	141.1	156.7	173.4	179.4	169.6	0- 10	14.93	14.93	1.82,1.82
20	140.2	115.7	110.6	122.1	149.7	184.3	198.6	177.2	10- 20	43.27	58.20	7.09,7.09
30	123.7	92.80	88.13	101.3	136.9	189.8	213.7	179.7	20- 30	67.24	125.4	15.3,15.3
40	103.3	70.28	67.54	80.05	119.4	189.6	223.4	177.4	30- 40	84.68	210.1	25.6,25.6
50	80.04	49.37	49.50	59.48	98.19	183.9	226.3	170.1	40- 50	94.29	304.4	37.1,37.1
60	54.80	31.34	34.26	40.81	74.25	172.6	222.2	158.0	50- 60	95.68	400.1	48.7,48.7
70	29.01	17.42	22.19	25.00	48.51	156.3	211.7	141.9	60- 70	89.63	489.7	59.6,59.6
80	6.901	8.325	13.37	13.30	22.95	136.5	195.6	123.7	70- 80	78.17	567.9	69.2,69.2
90	0.8204	3.803	7.544	6.060	3.238	115.3	175.3	105.4	80- 90	64.76	632.6	77.77
100	1.507	2.384	4.421	2.927	0.9707	95.13	152.3	88.63	90-100	52.83	685.5	83.5,83.5
110	1.996	2.462	3.252	2.317	1.679	77.36	128.1	73.89	100-110	42.67	728.2	88.7,88.7
120	2.442	2.639	3.336	2.502	2.316	60.82	104.2	60.99	110-120	33.26	761.4	92.7,92.7
130	2.860	2.766	3.336	2.667	2.896	48.73	81.85	49.68	120-130	24.58	786.0	95.7,95.7
140	3.348	2.809	3.245	2.755	3.371	38.55	61.37	39.36	130-140	16.91	802.9	97.8,97.8
150	3.243	2.844	3.146	2.790	3.753	27.46	40.37	26.49	140-150	10.48	813.4	99.1,99.1
160	3.356	2.999	3.012	2.873	4.036	14.27	25.29	14.87	150-160	5.334	818.7	99.7,99.7
170	3.391	4.235	3.556	3.806	4.170	5.053	10.23	6.195	160-170	1.950	820.7	99.9,99.9
180	4.730	4.748	4.105	4.682	4.722	4.801	4.133	4.728	170-180	0.4442	821.1	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 January 2019

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 KEDH009S0350NR12A7

LUMINANCE LIMITATION CURVES

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



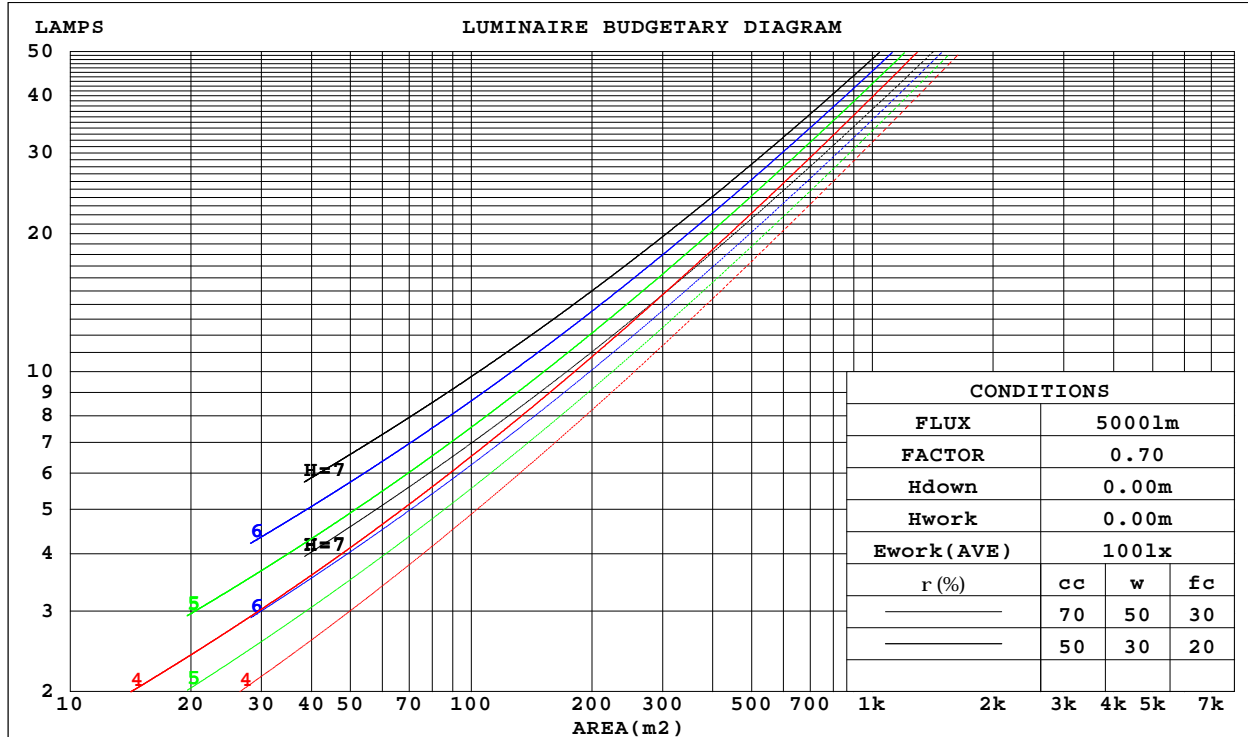
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	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	.57
2.0	.80	.72	.66	.76	.69	.63	.69	.63	.58	.62	.58	.53	.56	.52	.49	.45
3.0	.70	.61	.53	.66	.58	.51	.60	.53	.47	.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	.38	.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	.40	.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	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

WEC AND CCEC

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marylin 40 8W 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	.390	.222	.070	.376	.215	.068	.350	.201	.064	.325	.187	.060	.302	.175	.057	
2.0	.336	.184	.056	.323	.178	.055	.299	.166	.052	.276	.155	.049	.256	.145	.046	
3.0	.297	.158	.047	.285	.153	.046	.264	.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	.198	.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	.365	.365	.365	.312	.312	.312	.213	.213	.213	.122	.122	.122	.039	.039	.039	
1.0	.362	.332	.304	.310	.285	.262	.212	.196	.181	.122	.113	.105	.039	.036	.034	
2.0	.356	.309	.270	.305	.266	.234	.209	.184	.163	.120	.107	.095	.039	.035	.031	
3.0	.348	.293	.249	.298	.253	.216	.205	.176	.151	.118	.103	.089	.038	.033	.029	
4.0	.340	.281	.235	.292	.242	.204	.201	.169	.144	.116	.099	.085	.037	.032	.028	
5.0	.333	.271	.225	.286	.234	.196	.197	.164	.138	.114	.096	.082	.037	.031	.027	
6.0	.325	.263	.218	.280	.228	.190	.193	.159	.135	.112	.094	.080	.036	.031	.026	
7.0	.318	.257	.213	.274	.222	.186	.189	.156	.132	.110	.092	.078	.036	.030	.026	
8.0	.312	.251	.209	.268	.218	.183	.186	.153	.130	.108	.090	.077	.035	.030	.026	
9.0	.305	.246	.206	.263	.214	.180	.182	.150	.128	.106	.089	.076	.034	.029	.025	
10.0	.300	.242	.204	.258	.210	.178	.179	.148	.126	.104	.087	.075	.034	.029	.025	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

UGR(Unified Glare Rating) Table

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm										
NAME: Marylin 40 8W 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	0.9	2.2	1.5	2.8	3.5	-0.5	0.8	0.0	1.4	2.0
3H	1.9	3.1	2.5	3.8	4.5	0.8	2.0	1.4	2.6	3.3
4H	2.2	3.4	2.8	4.0	4.7	1.5	2.6	2.1	3.3	4.0
6H	2.3	3.4	2.9	4.0	4.7	2.2	3.3	2.8	3.9	4.7
8H	2.2	3.3	2.9	3.9	4.7	2.6	3.6	3.2	4.3	5.0
12H	2.2	3.2	2.8	3.8	4.6	3.0	4.0	3.6	4.7	5.4
4H 2H	1.0	2.1	1.6	2.8	3.5	-0.2	0.9	0.4	1.6	2.3
3H	2.1	3.1	2.7	3.7	4.5	1.3	2.3	1.9	3.0	3.7
4H	2.4	3.3	3.1	4.0	4.8	2.1	3.0	2.8	3.7	4.5
6H	2.5	3.3	3.2	4.0	4.9	3.0	3.8	3.7	4.5	5.4
8H	2.5	3.3	3.2	4.0	4.8	3.5	4.2	4.2	5.0	5.8
12H	2.4	3.1	3.2	3.9	4.8	4.0	4.7	4.7	5.5	6.3
8H 4H	2.4	3.2	3.2	3.9	4.8	2.2	3.0	2.9	3.7	4.5
6H	2.6	3.3	3.4	4.0	4.9	3.2	3.9	4.0	4.7	5.5
8H	2.7	3.2	3.4	4.0	4.9	3.9	4.5	4.6	5.2	6.1
12H	2.6	3.2	3.4	3.9	4.9	4.6	5.2	5.4	5.9	6.9
12H 4H	2.4	3.2	3.2	3.9	4.8	2.1	2.9	2.9	3.6	4.5
6H	2.7	3.3	3.4	4.0	5.0	3.2	3.8	4.0	4.6	5.5
8H	2.7	3.3	3.5	4.0	5.0	3.9	4.5	4.7	5.2	6.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.5					+ 0.2 / - 0.2				
1.5H	+ 1.0 / - 1.0					+ 0.1 / - 0.2				
2.0H	+ 1.8 / - 1.5					+ 0.2 / - 0.2				

CIE Pub.117, 821.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.7)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

UTILIZATION FACTORS TABLE

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

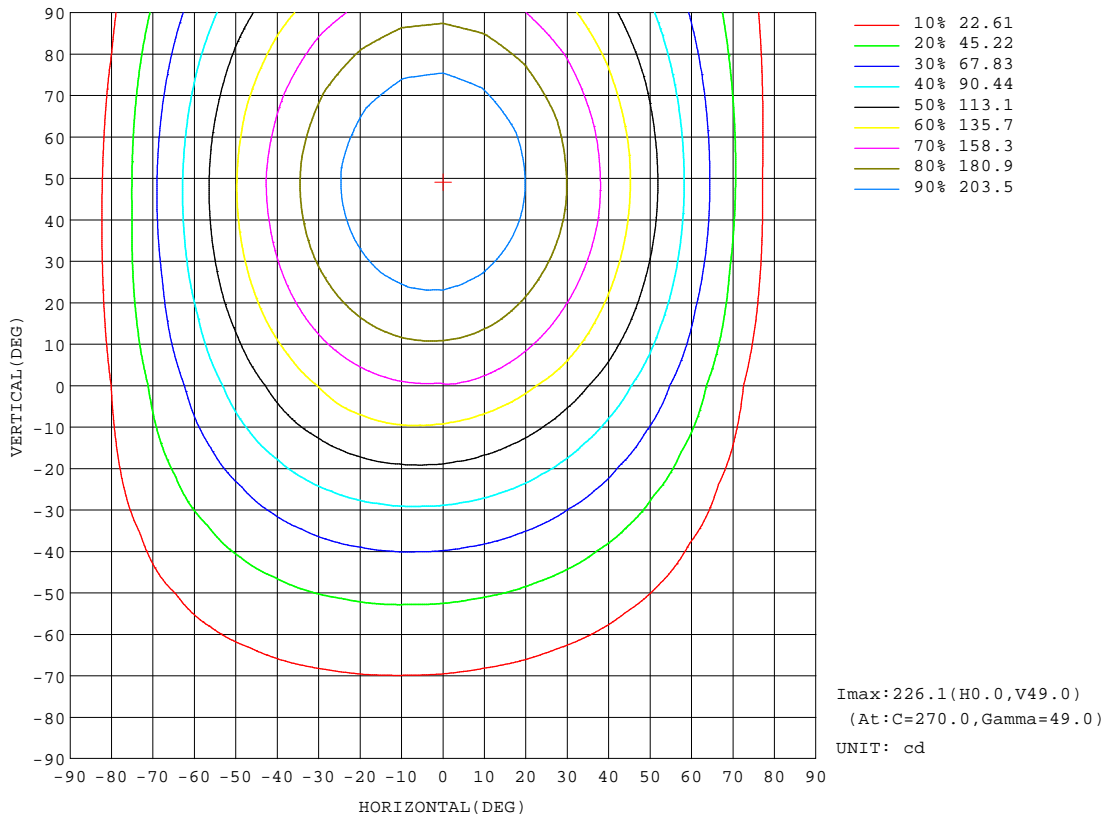
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	33	26	45	33	26	42	32	25	18
0.80	55	42	34	53	41	33	50	39	32	24
1.00	62	49	41	60	48	40	56	48	39	30
1.25	69	56	48	67	55	47	62	52	45	35
1.50	75	62	53	72	60	52	66	57	50	38
2.00	82	70	62	78	68	60	72	64	57	44
2.50	86	76	68	83	73	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	51
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 January 2019

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 KEDH009S0350NR12A7

ISOCANDELA DIAGRAM

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



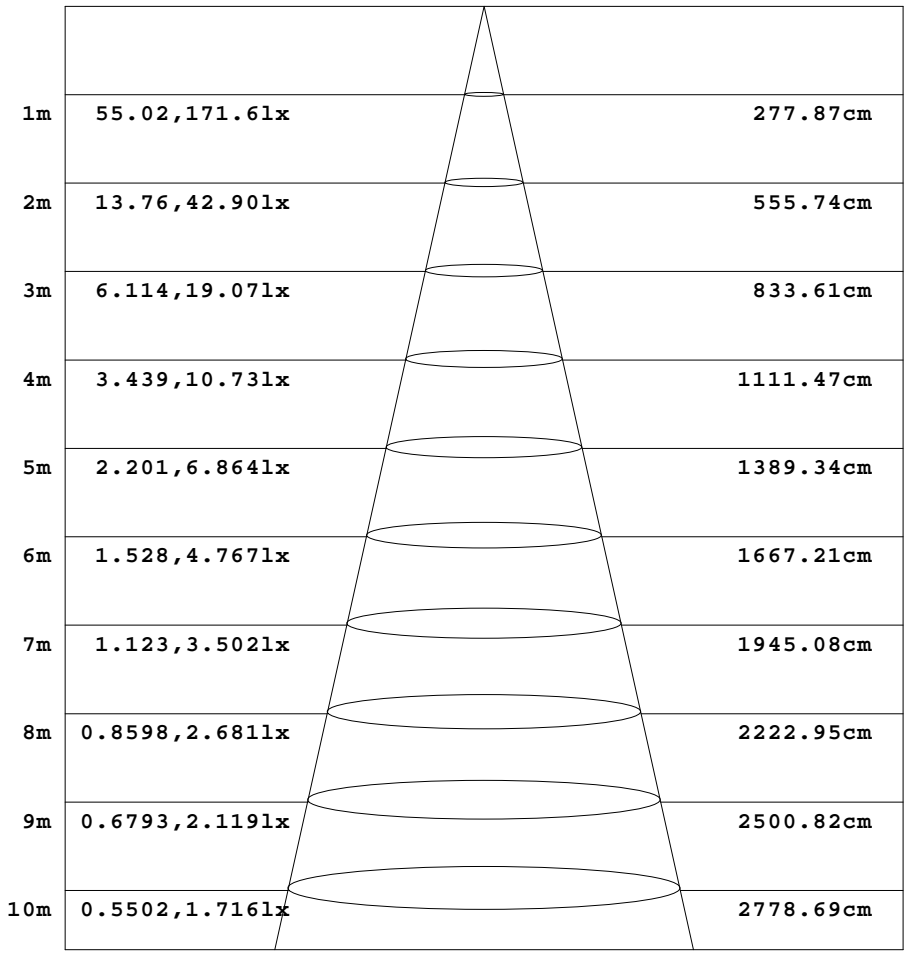
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

AAI Figure

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Flux out:352.6 lm



Height Eavg, Emax Angle:108.51deg Diameter

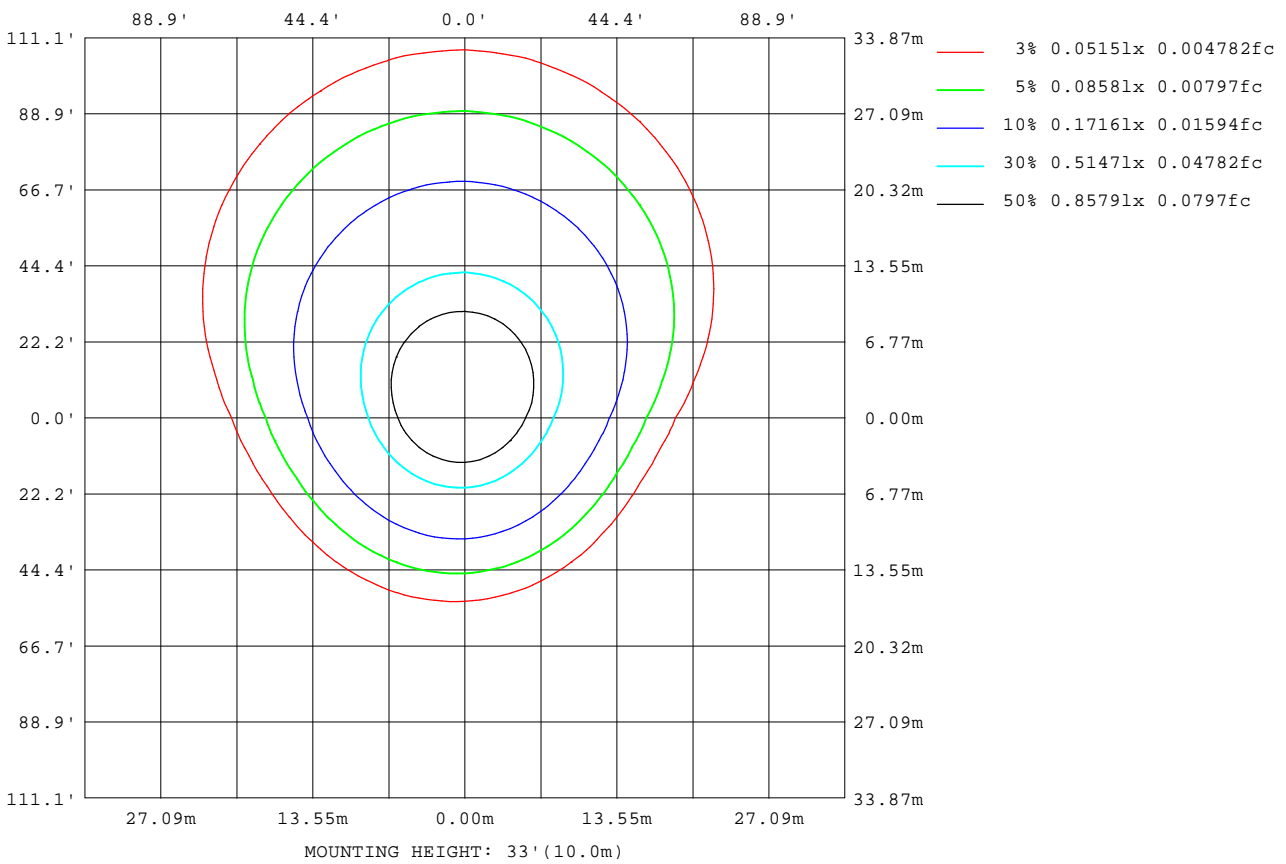
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

ISOLUX DIAGRAM

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marilyn 40 8W 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 January 2019

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 KEDH009S0350NR12A7

LED Avg.L Report

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marylin 40 8W LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

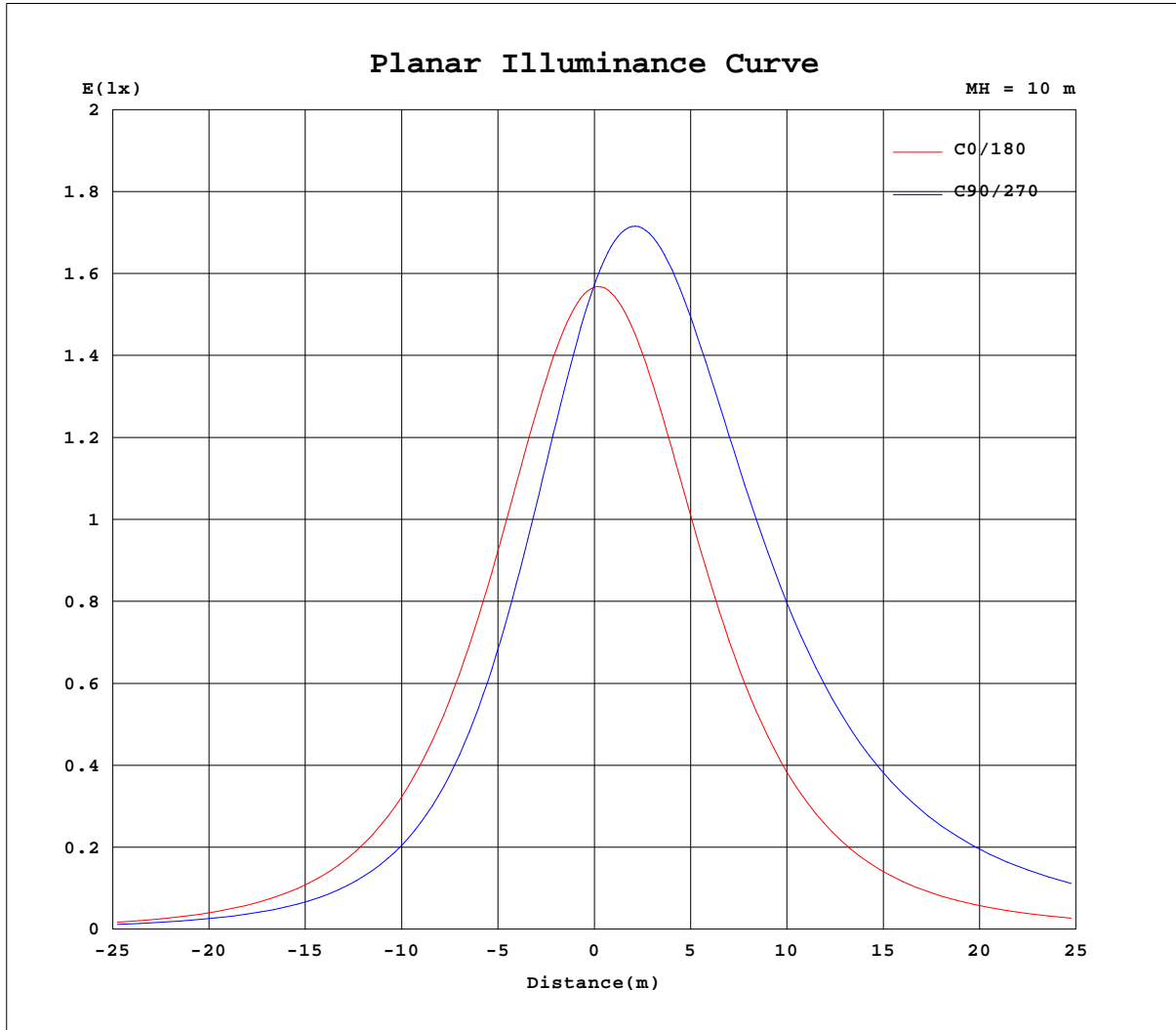
AvgL	cd/m2
L_0~180(65)av	122
L_0~180(75)av	101
L_0~180(85)av	72
L_90~270(65)av	291
L_90~270(75)av	428
L_90~270(85)av	1124
L_45(65)av	220
L_45(75)av	301
L_45(85)av	733

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 19 January 2019

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 KEDH009S0350NR12A7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marylin 40 8W 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	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
5	155	153	152	150	149	147	147	146	146	146	146	147	148	149	150	152	154	156	158
10	152	148	144	141	139	137	135	134	134	134	135	136	138	140	142	146	149	153	157
15	147	141	136	132	128	126	124	122	122	122	123	125	127	130	134	138	143	148	154
20	140	133	127	122	117	114	112	111	110	111	112	114	116	120	124	130	135	142	150
25	132	124	116	111	106	103	100	99.1	98.7	99.2	100	103	106	109	114	120	127	135	144
30	124	114	106	99.3	94.4	91.2	88.9	87.9	87.6	88.1	89.4	91.7	94.7	98.8	104	110	118	127	137
35	114	103	94.1	87.7	82.9	79.9	77.8	77.0	76.9	77.6	79.0	81.2	84.1	88.2	93.1	99.6	107	117	129
40	103	91.6	82.4	76.1	71.6	68.9	67.3	66.7	66.7	67.5	69.0	71.1	73.9	77.7	82.4	88.8	96.8	107	119
45	92.0	79.7	70.4	64.6	60.6	58.5	57.3	57.0	57.2	58.2	59.5	61.5	64.0	67.4	71.8	77.9	85.6	96.2	109
50	80.0	67.5	58.5	53.4	50.1	48.7	47.9	48.1	48.4	49.5	50.6	52.6	54.6	57.6	61.4	67.0	74.2	84.7	98.2
55	67.6	55.0	46.8	42.7	40.3	39.6	39.2	39.8	40.3	41.5	42.5	44.2	45.7	48.3	51.4	56.2	62.7	72.9	86.5
60	54.8	42.7	35.7	32.8	31.3	31.3	31.5	32.4	33.1	34.3	35.1	36.5	37.6	39.7	42.0	45.8	51.3	60.8	74.2
65	41.8	30.8	25.5	23.9	23.5	24.1	24.8	25.9	26.8	27.8	28.6	29.6	30.4	31.7	33.1	36.1	40.4	48.6	61.5
70	29.0	19.7	16.5	16.4	16.8	18.0	19.1	20.3	21.2	22.2	22.9	23.5	24.0	24.7	25.3	27.2	30.0	36.7	48.5
75	16.9	10.5	9.50	10.4	11.5	13.0	14.2	15.6	16.5	17.4	17.9	18.3	18.4	18.6	18.6	19.3	20.7	25.3	35.5
80	6.90	4.11	4.74	6.19	7.53	9.12	10.4	11.7	12.5	13.4	13.7	14.0	13.7	13.6	13.0	12.8	12.9	15.2	22.9
85	1.01	1.27	2.27	3.53	4.85	6.27	7.48	8.64	9.44	10.1	10.3	10.4	9.97	9.53	8.65	7.94	7.09	7.30	11.6
90	0.82	0.93	1.41	2.21	3.25	4.36	5.40	6.35	7.04	7.54	7.67	7.61	7.15	6.55	5.57	4.58	3.39	2.53	3.24
95	1.20	1.04	1.28	1.70	2.44	3.21	4.07	4.77	5.35	5.68	5.77	5.60	5.16	4.49	3.65	2.68	1.74	0.92	0.73
100	1.51	1.16	1.42	1.77	2.13	2.64	3.28	3.78	4.21	4.42	4.46	4.24	3.86	3.26	2.59	1.85	1.26	0.91	0.97
105	1.76	1.30	1.54	1.89	2.19	2.55	2.88	3.21	3.54	3.63	3.66	3.43	3.13	2.63	2.16	1.71	1.29	1.03	1.34
110	2.00	1.42	1.66	2.02	2.27	2.65	2.89	3.11	3.21	3.25	3.23	3.04	2.81	2.52	2.12	1.83	1.42	1.17	1.68
115	2.23	1.56	1.76	2.12	2.44	2.74	2.94	3.18	3.23	3.29	3.18	3.09	2.83	2.60	2.22	1.96	1.56	1.31	2.01
120	2.44	1.73	1.88	2.24	2.47	2.81	3.01	3.21	3.26	3.34	3.22	3.14	2.89	2.69	2.32	2.07	1.71	1.47	2.32
125	2.64	2.04	1.99	2.34	2.56	2.87	3.03	3.23	3.31	3.34	3.24	3.13	2.94	2.76	2.42	2.18	1.85	1.62	2.62
130	2.86	2.38	2.11	2.42	2.62	2.91	3.05	3.22	3.34	3.34	3.25	3.13	3.02	2.81	2.52	2.27	1.96	1.87	2.90
135	3.10	2.71	2.22	2.50	2.68	2.91	3.06	3.19	3.33	3.32	3.25	3.13	3.01	2.85	2.55	2.37	2.07	2.30	3.15
140	3.35	3.02	2.27	2.55	2.70	2.91	3.06	3.16	3.30	3.24	3.25	3.11	3.01	2.88	2.63	2.45	2.17	2.72	3.37
145	3.28	3.02	2.66	2.60	2.73	2.91	3.06	3.11	3.25	3.23	3.25	3.11	3.01	2.89	2.65	2.51	2.28	3.08	3.58
150	3.24	3.15	2.87	2.65	2.78	2.91	3.06	3.11	3.20	3.15	3.19	3.07	3.00	2.89	2.69	2.57	2.72	3.38	3.75
155	3.36	3.25	3.09	3.04	2.79	2.90	3.03	3.03	3.15	3.11	3.14	3.01	3.01	2.88	2.72	2.72	3.19	3.54	3.90
160	3.36	3.32	3.24	3.47	3.11	2.89	2.97	2.99	3.07	3.01	3.08	2.99	2.97	2.88	2.86	3.24	3.53	3.71	4.04
165	3.37	3.38	3.36	3.88	3.76	3.52	3.22	3.07	3.01	3.00	3.01	2.99	3.08	3.25	3.42	3.67	3.76	3.85	4.11
170	3.39	3.43	3.45	3.96	4.26	4.21	4.01	3.96	3.82	3.56	3.53	3.63	3.66	3.78	3.83	3.88	3.86	3.96	4.17
175	4.69	4.68	4.55	4.58	4.47	4.49	4.39	4.38	3.87	3.91	3.89	3.94	3.90	3.94	4.12	4.44	4.42	4.53	4.72
180	4.73	4.73	4.73	4.74	4.74	4.75	4.44	4.13	4.08	4.11	4.06	4.71	4.70	4.69	4.67	4.67	4.68	4.68	4.72

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.42V I:0.0921A P:10.448W PF:0.4911 Freq:49.99Hz Lamp Flux:821.10lx1 lm		
NAME: Marylin 40 8W 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	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157		
5	160	162	164	165	167	168	168	169	169	168	168	166	165	163	161	159	157		
10	161	165	168	172	175	177	179	180	179	179	177	174	171	168	164	160	156		
15	160	166	172	177	182	186	188	190	189	188	185	182	177	171	165	159	153		
20	158	166	174	181	188	193	197	199	199	197	193	188	181	173	165	157	148		
25	154	164	174	184	192	199	204	207	207	204	200	193	184	174	163	153	142		
30	148	161	173	185	195	204	210	214	214	211	205	196	186	174	161	148	135		
35	142	156	170	184	197	207	215	219	219	216	209	199	186	172	157	142	127		
40	134	150	166	182	197	209	218	223	223	220	212	200	186	169	152	134	118		
45	125	143	161	179	196	210	219	225	226	222	213	200	183	165	146	126	108		
50	115	135	155	175	193	208	219	226	226	222	212	198	180	160	139	117	96.9		
55	104	125	147	169	189	205	217	224	225	220	210	195	175	154	131	108	85.6		
60	92.7	116	139	162	183	201	213	221	222	217	206	190	169	147	122	97.5	73.6		
65	80.7	105	130	154	176	195	208	217	218	213	201	184	162	139	113	86.8	61.4		
70	68.1	93.7	120	145	167	187	201	210	212	207	194	177	154	130	103	75.7	49.0		
75	55.2	82.0	109	135	158	179	193	203	204	199	186	168	146	120	92.6	64.5	36.9		
80	42.3	70.0	97.6	125	148	169	184	194	196	191	178	160	136	111	82.7	53.9	25.9		
85	30.1	58.1	86.4	114	138	159	174	184	186	181	168	150	127	102	73.5	44.9	17.5		
90	19.7	47.4	75.8	103	127	148	164	174	175	171	158	141	118	92.9	65.4	37.9	12.9		
95	12.8	38.7	66.3	93.1	117	137	152	162	164	160	148	131	109	84.7	58.5	32.9	11.2		
100	9.83	32.3	58.0	83.7	107	126	141	150	152	148	137	121	100	77.2	52.8	29.5	10.8		
105	9.03	28.0	51.2	75.2	96.6	116	129	138	140	137	126	111	91.6	70.4	48.0	27.2	10.8		
110	8.80	24.6	45.4	67.4	87.3	105	118	126	128	125	115	101	83.6	64.2	44.0	25.5	10.1		
115	8.60	22.3	40.0	59.6	77.9	94.7	106	114	116	113	104	92.0	75.9	58.5	40.5	24.3	8.75		
120	7.42	21.2	36.2	53.1	68.5	83.9	95.5	103	104	102	94.0	83.0	68.7	53.3	37.4	23.1	8.09		
125	6.93	20.1	33.2	47.6	61.6	72.6	84.5	91.3	92.8	90.6	83.9	74.4	61.9	48.4	34.7	21.0	7.82		
130	6.72	18.3	30.5	42.8	54.6	65.5	72.0	80.5	81.8	80.0	74.3	66.1	55.4	43.9	32.0	18.1	7.28		
135	6.24	15.6	27.9	38.5	48.3	57.4	62.9	68.4	71.5	70.0	65.2	58.3	49.4	39.7	28.3	15.0	6.50		
140	5.52	12.7	24.4	34.4	42.7	50.0	55.5	56.1	61.4	60.6	56.7	51.0	43.7	35.0	23.8	13.1	5.62		
145	4.72	11.4	19.9	29.7	37.3	43.3	47.6	50.4	50.4	51.9	48.8	44.3	37.7	29.2	18.7	11.6	4.75		
150	4.47	9.73	15.3	23.8	31.1	36.8	40.4	42.6	40.4	42.6	41.0	36.7	30.4	22.6	15.4	9.81	4.40		
155	4.40	7.42	12.6	17.4	23.7	28.9	32.4	34.5	33.9	32.1	31.7	27.8	22.2	17.0	12.8	7.78	3.73		
160	4.38	5.10	8.44	12.3	16.3	19.9	22.9	24.9	25.3	23.4	21.0	18.8	16.3	13.4	9.77	5.67	3.67		
165	4.35	4.59	5.38	7.33	9.54	12.6	15.5	16.5	16.7	15.8	15.0	13.8	11.8	9.43	6.52	5.10	3.60		
170	4.30	4.40	4.62	4.71	5.40	6.06	7.22	9.95	10.2	9.90	9.19	8.22	6.85	5.54	5.25	4.96	3.72		
175	4.73	4.79	4.48	4.39	4.46	4.45	4.50	4.47	4.47	5.28	5.32	5.20	5.18	5.04	4.98	4.87	4.73		
180	4.74	4.74	4.79	4.80	4.80	4.37	4.15	4.13	4.13	4.12	4.75	4.73	4.74	4.71	4.72	4.69	4.67		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 January 2019

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 KEDH009S0350NR12A7