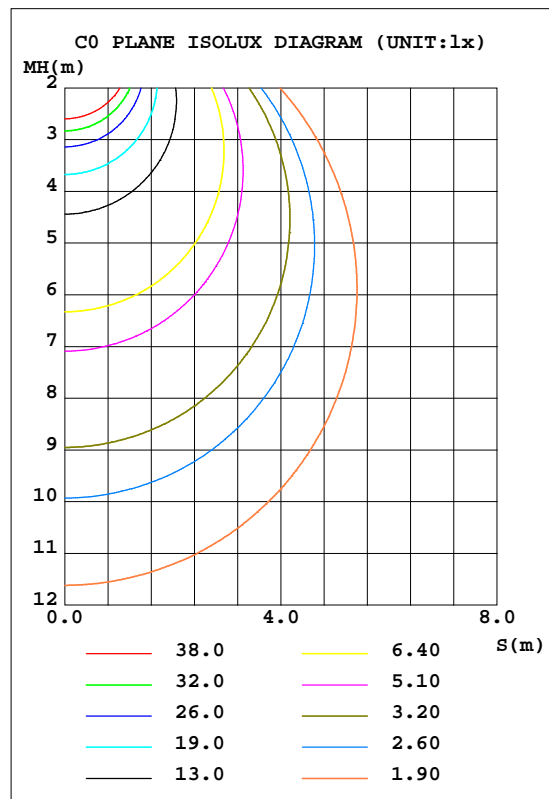
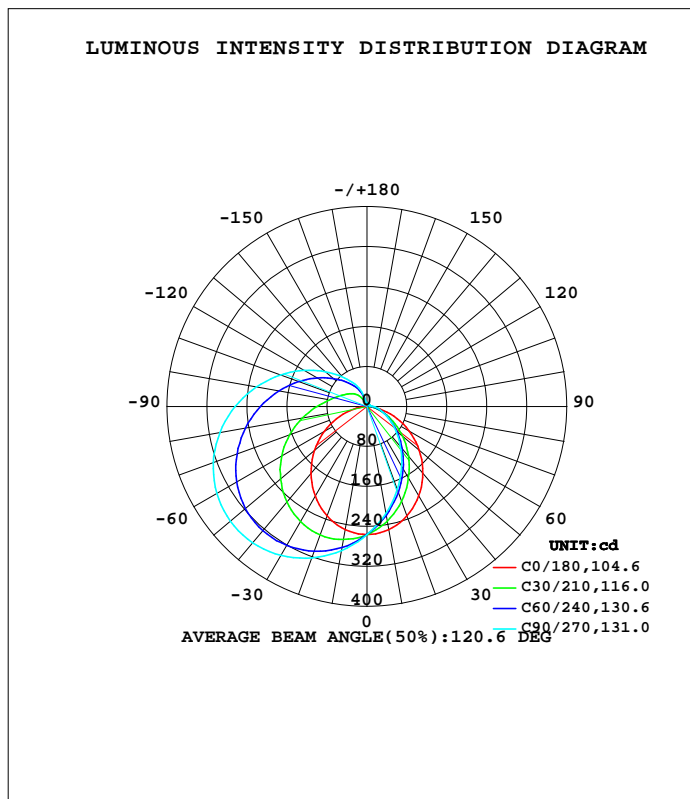


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.79 lm/W			
MODEL 1918A3-16比1新透光罩		I <sub>max</sub> (cd)	357.8	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.99
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1246.5	h UP, DN(C0-180)	1.2, 19.8
NOMINAL FLUX(lm)	1246.53	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	20.0, 59.1
LAMPS INSIDE	1	h up(%)	21.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.0	h down(%)	78.8	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 28 August 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

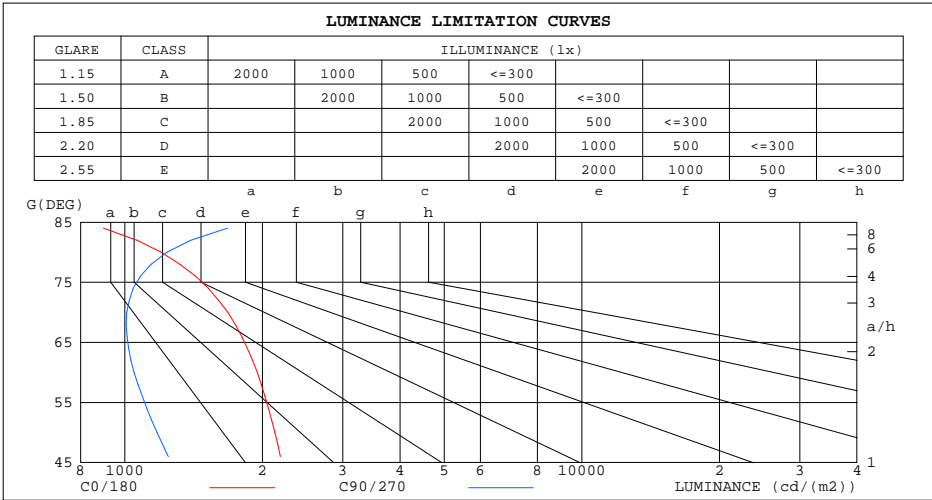
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	250.3	226.4	217.5	226.2	250.3	279.1	292.5	279.4	0- 10	24.31	24.31	1.95,1.95
20	233.4	191.4	177.3	191.2	233.4	292.2	322.4	293.0	10- 20	70.10	94.41	7.57,7.57
30	207.2	154.1	138.9	153.6	207.1	295.4	344.0	296.2	20- 30	107.9	202.3	16.2,16.2
40	174.1	117.6	104.5	117.3	174.3	289.2	356.2	289.7	30- 40	134.2	336.6	27,27
50	136.9	84.21	75.67	84.06	137.3	274.0	356.9	274.6	40- 50	147.5	484.0	38.8,38.8
60	97.44	55.75	52.43	55.49	98.04	251.7	346.9	251.8	50- 60	147.7	631.8	50.7,50.7
70	57.45	33.28	34.54	33.01	58.28	223.4	327.3	222.8	60- 70	136.8	768.6	61.7,61.7
80	20.85	17.42	21.48	17.14	21.64	191.8	298.8	191.1	70- 80	117.9	886.5	71.1,71.1
90	1.256	8.241	12.78	8.144	1.571	160.1	263.8	159.0	80- 90	96.15	982.6	78.8,78.8
100	1.875	4.556	7.776	4.600	2.249	131.1	225.1	129.9	90-100	77.37	1060	85,85
110	2.731	3.841	5.708	3.993	2.971	105.4	184.7	104.5	100-110	61.31	1121	90,90
120	3.579	4.120	5.367	4.310	3.685	83.20	145.0	82.26	110-120	46.61	1168	93.7,93.7
130	4.324	4.384	5.389	4.574	4.311	64.53	108.5	63.87	120-130	33.34	1201	96.4,96.4
140	5.001	4.552	5.374	4.734	4.988	48.56	78.13	48.66	130-140	22.22	1223	98.1,98.1
150	5.463	4.652	5.248	4.782	5.159	34.07	54.13	34.08	140-150	13.44	1237	99.2,99.2
160	5.828	4.715	5.076	4.820	5.449	12.72	31.19	14.29	150-160	6.761	1244	99.8,99.8
170	6.022	6.018	5.122	5.374	5.569	5.784	8.348	7.849	160-170	2.268	1246	100,100
180	6.982	6.997	5.501	7.038	6.982	6.971	5.545	7.034	170-180	0.6092	1247	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:28 August 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

**LUMINANCE LIMITATION CURVES**

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1077	2014
80	1201	1237
75	1623	1110
70	1680	1010
65	1924	1058
60	1949	1049
55	2115	1145
50	2130	1177
45	2257	1304

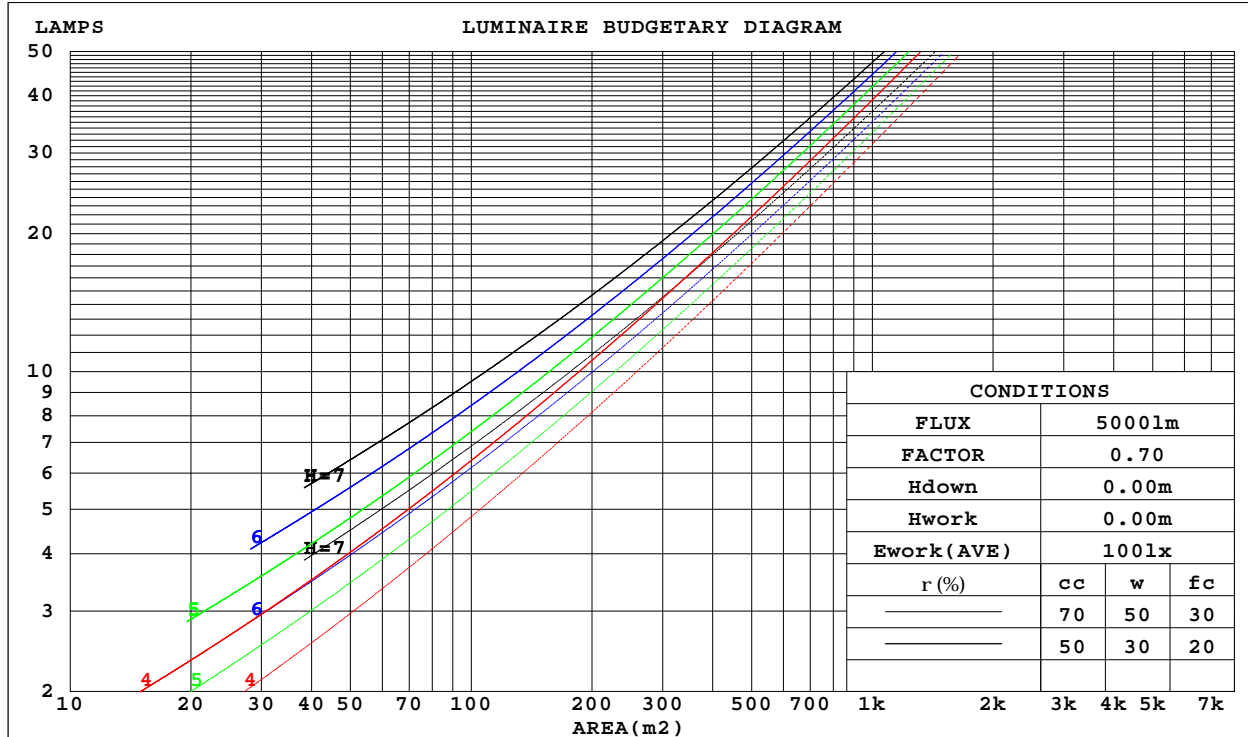
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

G Range: 0 - 180DEG  
 G Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn 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	1.09	1.09	1.09	.99	.99	.99	.91	.91	.91	.83	.83	.83	.79
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.75	.75	.71	.69	.68	.65	.63	.59
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.64	.59	.55	.58	.54	.50	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.48	.55	.50	.45	.50	.45	.42	.38
4.0	.62	.52	.45	.59	.50	.43	.54	.46	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.48	.40	.35	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.36	.30	.26	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.35	.29	.25	.32	.27	.23	.21
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.30	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.26	.21	.30	.24	.20	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.25	.20	.17	.15



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

WEC AND CCEC

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn 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	.387	.220	.070	.374	.213	.068	.348	.200	.064	.325	.187	.060	.303	.176	.057	
2.0	.334	.183	.056	.322	.177	.055	.298	.166	.052	.277	.155	.049	.257	.145	.046	
3.0	.296	.158	.047	.285	.153	.046	.264	.143	.043	.244	.134	.041	.226	.125	.039	
4.0	.266	.138	.041	.256	.134	.040	.237	.126	.038	.219	.118	.035	.203	.110	.034	
5.0	.242	.123	.036	.232	.119	.035	.215	.112	.033	.199	.105	.031	.184	.098	.030	
6.0	.221	.111	.032	.213	.108	.031	.197	.101	.029	.182	.095	.028	.168	.089	.026	
7.0	.204	.101	.029	.196	.098	.028	.182	.092	.026	.168	.086	.025	.155	.081	.024	
8.0	.189	.092	.026	.182	.090	.025	.169	.084	.024	.156	.079	.023	.144	.074	.022	
9.0	.176	.085	.024	.170	.083	.023	.157	.078	.022	.146	.073	.021	.135	.068	.020	
10.0	.165	.079	.022	.159	.077	.021	.148	.072	.020	.137	.068	.019	.127	.064	.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	.352	.352	.352	.301	.301	.301	.205	.205	.205	.118	.118	.118	.038	.038	.038	
1.0	.348	.318	.291	.298	.273	.250	.204	.188	.173	.117	.109	.101	.038	.035	.033	
2.0	.342	.295	.257	.293	.254	.222	.201	.176	.155	.116	.102	.091	.037	.033	.030	
3.0	.334	.279	.235	.286	.241	.204	.197	.167	.143	.114	.098	.084	.036	.032	.028	
4.0	.326	.267	.221	.280	.230	.192	.193	.161	.135	.111	.094	.080	.036	.031	.026	
5.0	.319	.257	.211	.274	.222	.184	.189	.155	.130	.109	.091	.077	.035	.030	.025	
6.0	.311	.249	.204	.268	.216	.178	.185	.151	.126	.107	.089	.075	.035	.029	.025	
7.0	.304	.243	.199	.262	.210	.174	.181	.147	.123	.105	.087	.073	.034	.028	.024	
8.0	.298	.237	.195	.256	.206	.170	.177	.144	.121	.103	.085	.072	.033	.028	.024	
9.0	.291	.232	.192	.251	.202	.168	.174	.142	.119	.101	.084	.071	.033	.027	.024	
10.0	.285	.228	.190	.246	.198	.166	.171	.139	.118	.100	.082	.070	.032	.027	.023	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

UGR(Unified Glare Rating) Table

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm										
NAME: Marilyn 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	10.1	11.5	10.7	12.0	12.6	7.9	9.3	8.5	9.8	10.4
3H	11.4	12.7	12.0	13.2	13.9	9.3	10.5	9.9	11.1	11.8
4H	11.9	13.1	12.5	13.7	14.4	10.0	11.1	10.6	11.7	12.4
6H	12.2	13.3	12.8	13.9	14.6	10.7	11.8	11.3	12.4	13.1
8H	12.3	13.3	12.9	14.0	14.7	11.1	12.1	11.7	12.8	13.5
12H	12.3	13.3	12.9	13.9	14.7	11.5	12.6	12.2	13.2	13.9
4H 2H	10.2	11.4	10.8	12.0	12.6	8.4	9.6	9.0	10.2	10.9
3H	11.6	12.6	12.2	13.3	14.0	10.0	11.0	10.6	11.6	12.4
4H	12.2	13.1	12.8	13.8	14.5	10.8	11.7	11.4	12.4	13.2
6H	12.5	13.4	13.2	14.1	14.9	11.7	12.5	12.4	13.2	14.0
8H	12.6	13.4	13.3	14.1	14.9	12.2	13.0	12.9	13.7	14.5
12H	12.7	13.4	13.4	14.1	15.0	12.7	13.5	13.4	14.2	15.0
8H 4H	12.2	13.0	12.9	13.7	14.5	11.0	11.8	11.7	12.5	13.3
6H	12.7	13.4	13.4	14.1	15.0	12.1	12.8	12.8	13.5	14.4
8H	12.9	13.5	13.6	14.2	15.1	12.7	13.3	13.5	14.1	15.0
12H	13.0	13.5	13.7	14.3	15.2	13.5	14.1	14.3	14.8	15.7
12H 4H	12.2	12.9	12.9	13.7	14.5	11.0	11.7	11.7	12.4	13.3
6H	12.8	13.4	13.5	14.1	15.0	12.2	12.8	12.9	13.5	14.4
8H	13.0	13.5	13.7	14.3	15.2	12.9	13.4	13.6	14.2	15.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.7 / - 0.7					+ 0.2 / - 0.3				
2.0H	+ 1.3 / - 1.2					+ 0.1 / - 0.2				

CIE Pub.117, 1247 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

UTILIZATION FACTORS TABLE

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

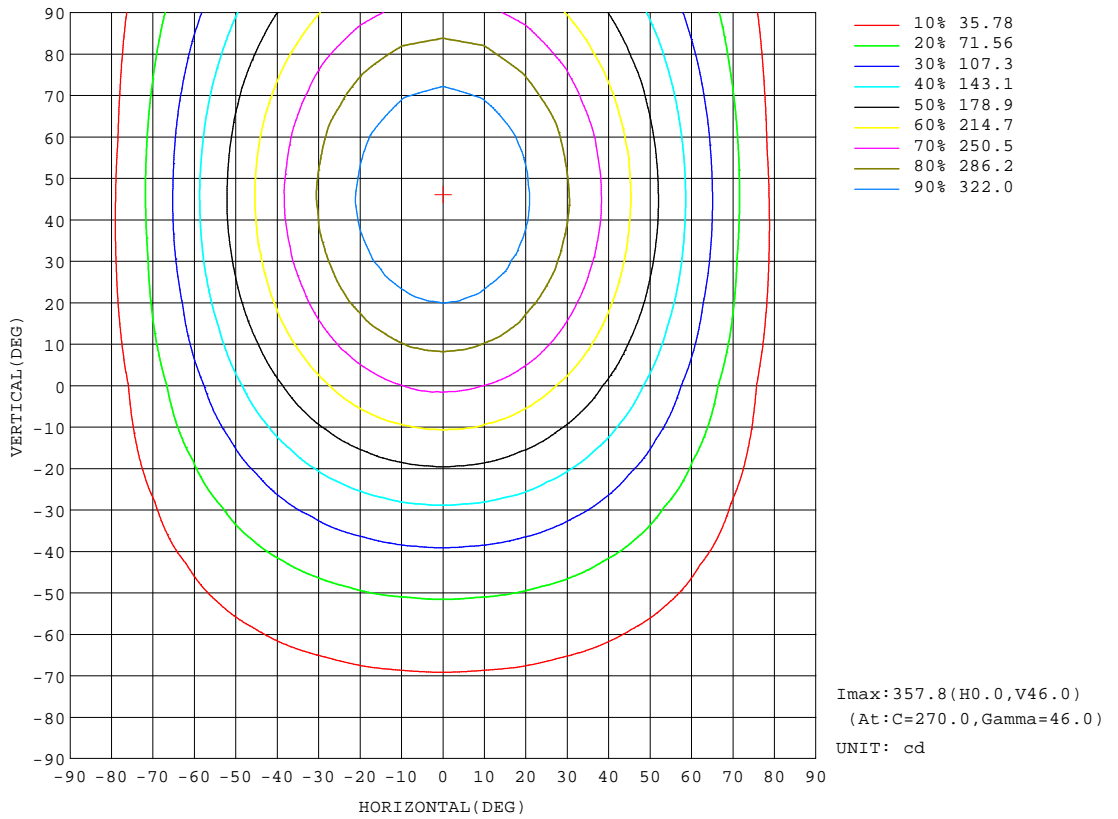
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	58	49	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	75	63	54	73	61	53	67	58	51	40
2.00	83	71	63	79	69	61	73	65	58	46
2.50	87	77	69	84	74	67	77	69	63	50
3.00	91	82	74	87	79	72	80	73	67	53
4.00	96	88	81	92	84	78	84	78	73	58
5.00	99	92	86	94	88	83	86	81	77	61
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:28 August 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

ISOCANDELA DIAGRAM

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



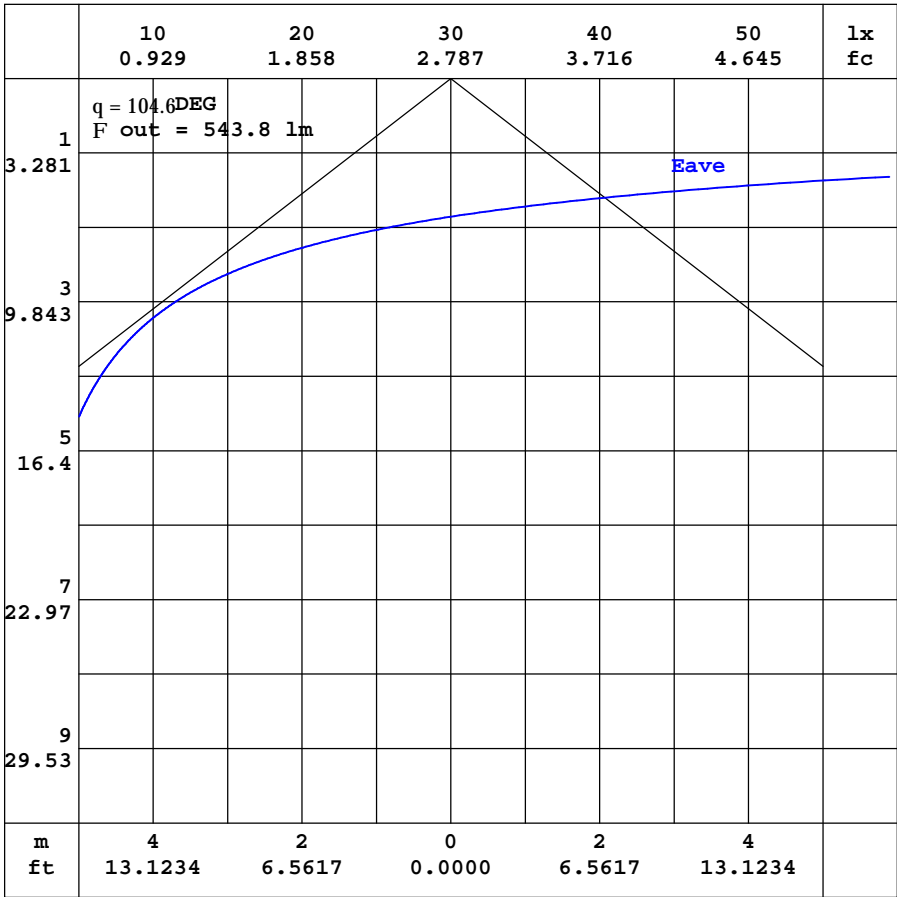
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 28 August 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7



AAI CURVES

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



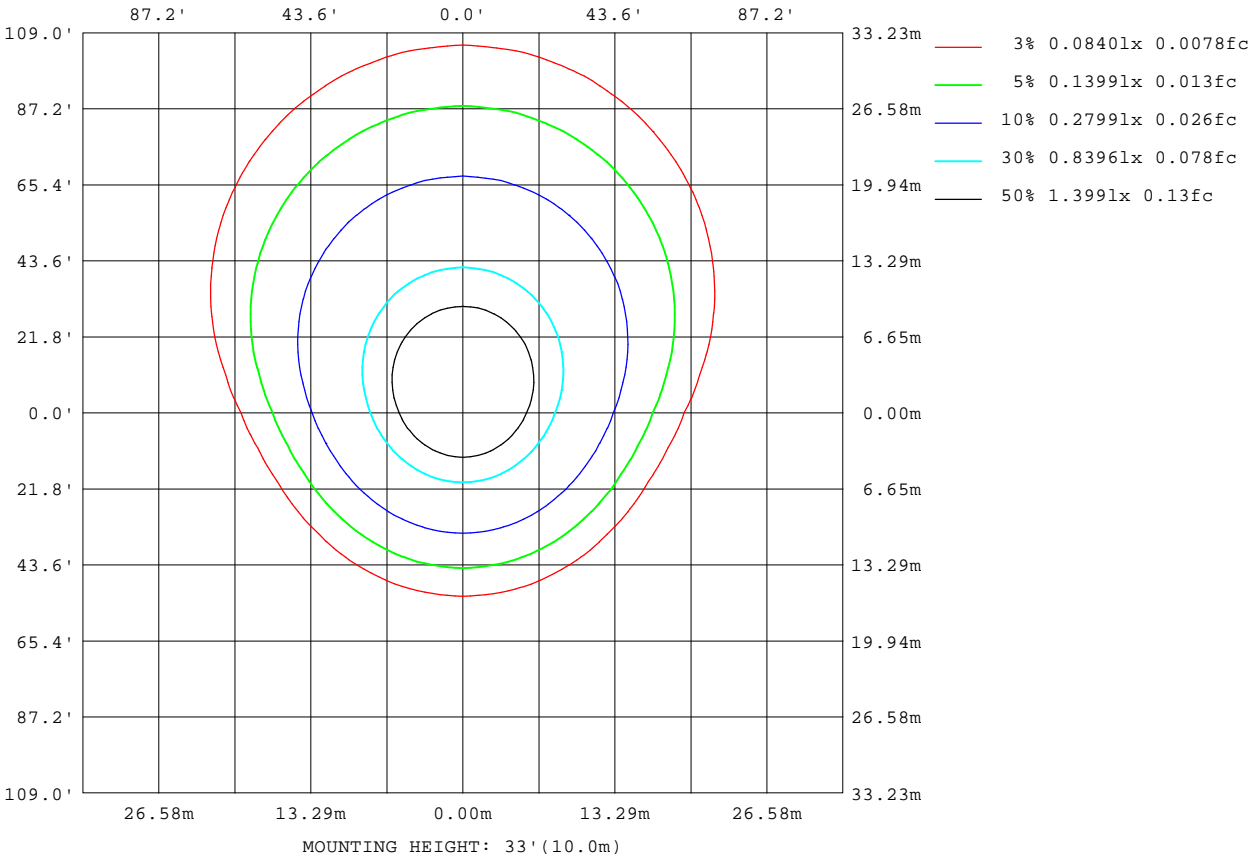
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

**ISOLUX DIAGRAM**

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn 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: 28 August 2023**

**Range: 0 - 180DEG**  
**Interval: 2.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403**  
**Humidity: 65.0%**  
**Test Distance: 10.365m [K=1.0000]**  
**Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7**

LED Avg.L Report

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

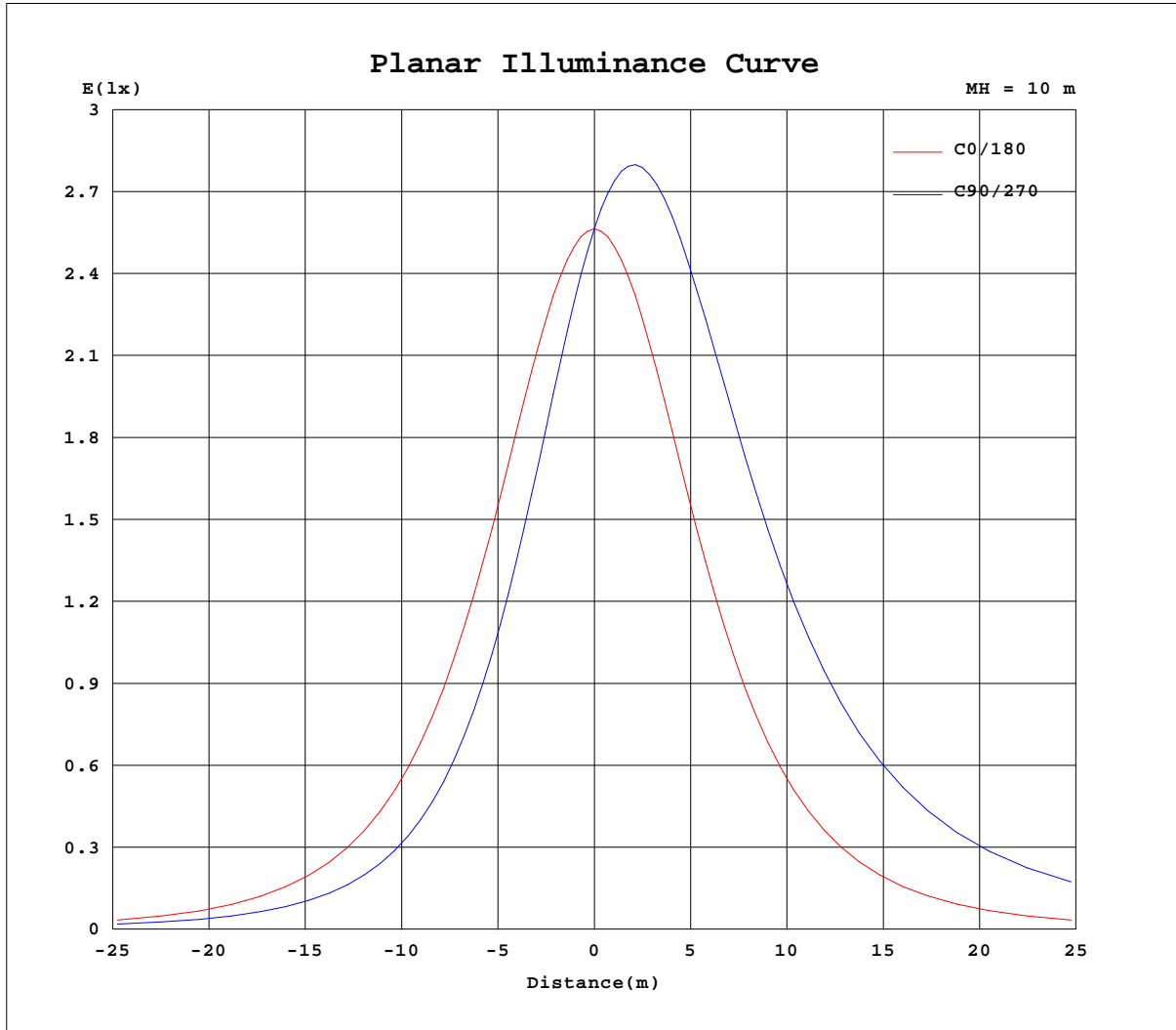
AvgL	cd/m2
L_0~180(65)av	1838
L_0~180(75)av	1495
L_0~180(85)av	858
L_90~270(65)av	4509
L_90~270(75)av	6591
L_90~270(85)av	17131
L_45(65)av	3332
L_45(75)av	4483
L_45(85)av	10762

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 28 August 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn 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	256	256	256	257	257	256	256	256	256	257	256	257	257	256	256	257	257	257	256
5	255	253	251	248	246	244	243	242	241	241	241	242	243	244	246	249	251	253	255
10	250	244	238	233	228	225	222	219	218	217	217	219	221	225	228	233	238	245	250
15	245	237	228	222	215	211	206	204	201	201	202	203	206	210	215	222	229	237	245
20	233	222	211	202	195	188	183	180	178	177	178	180	183	188	194	202	212	222	233
25	224	211	199	189	179	173	168	164	162	161	162	164	168	173	179	188	199	211	224
30	207	191	177	166	157	151	145	142	139	139	139	142	145	150	157	167	178	192	207
35	195	178	163	152	142	136	130	127	125	125	125	127	130	135	142	152	163	178	195
40	174	156	141	129	121	115	110	107	105	104	105	107	109	114	120	129	140	156	174
45	160	141	125	115	107	101	96.8	94.3	92.4	92.2	92.5	94.2	96.5	101	106	115	125	141	160
50	137	118	103	93.7	86.3	82.2	78.9	77.1	75.7	75.7	75.6	76.8	78.4	82.0	86.2	93.3	103	118	137
55	121	102	88.2	79.8	73.9	70.7	68.1	66.8	65.6	65.7	65.5	66.5	67.4	70.2	73.7	79.7	88.0	102	122
60	97.4	79.0	66.9	61.0	56.6	54.9	53.4	53.0	52.3	52.4	52.2	52.8	53.1	54.6	56.4	60.6	66.7	78.9	98.0
65	81.3	63.9	53.7	49.5	46.5	45.7	44.7	44.8	44.4	44.7	44.4	44.7	44.6	45.3	46.0	49.0	53.5	63.9	82.1
70	57.5	42.6	35.9	34.0	33.0	33.5	33.5	34.2	34.2	34.5	34.2	34.2	33.4	33.3	32.8	33.5	35.4	42.4	58.3
75	42.0	29.7	25.5	25.2	25.6	26.7	27.3	28.2	28.5	28.7	28.4	28.1	27.1	26.4	25.3	24.8	25.1	29.4	42.9
80	20.9	13.8	13.4	15.0	16.6	18.3	19.5	20.6	21.2	21.5	21.2	20.5	19.4	18.1	16.2	14.7	13.0	13.5	21.6
85	9.39	6.73	7.97	10.1	12.0	13.9	15.3	16.6	17.1	17.6	17.1	16.5	15.2	13.8	11.8	9.79	7.61	6.32	10.1
90	1.26	2.05	3.55	5.50	7.29	9.19	10.5	11.8	12.4	12.8	12.4	11.8	10.5	9.10	7.19	5.30	3.34	1.79	1.57
95	1.32	1.65	2.53	3.87	5.41	7.03	8.30	9.43	10.0	10.3	10.1	9.48	8.34	7.00	5.39	3.78	2.42	1.53	1.77
100	1.87	1.85	2.26	2.90	4.00	5.11	6.15	7.00	7.55	7.78	7.60	7.07	6.23	5.16	4.04	2.95	2.20	1.76	2.25
105	2.22	2.00	2.37	2.87	3.62	4.45	5.35	6.03	6.52	6.68	6.58	6.12	5.47	4.55	3.71	2.94	2.38	1.91	2.53
110	2.73	2.25	2.60	3.09	3.57	4.12	4.71	5.17	5.59	5.71	5.66	5.28	4.86	4.28	3.71	3.20	2.62	2.22	2.97
115	3.08	2.42	2.76	3.25	3.70	4.20	4.60	4.95	5.26	5.35	5.35	5.11	4.76	4.38	3.83	3.38	2.80	2.40	3.28
120	3.58	2.69	2.98	3.48	3.87	4.37	4.67	5.06	5.22	5.37	5.29	5.20	4.88	4.56	4.06	3.63	3.09	2.69	3.69
125	3.91	2.86	3.24	3.63	4.03	4.47	4.76	5.11	5.25	5.39	5.36	5.27	4.98	4.67	4.19	3.77	3.25	2.90	3.94
130	4.32	3.16	3.38	3.83	4.18	4.59	4.86	5.14	5.30	5.39	5.37	5.32	5.14	4.80	4.35	4.00	3.50	3.24	4.31
135	4.60	3.49	3.55	3.96	4.27	4.67	4.90	5.14	5.33	5.39	5.39	5.32	5.15	4.86	4.44	4.12	3.70	3.60	4.59
140	5.00	4.15	3.79	4.13	4.38	4.73	4.92	5.14	5.33	5.37	5.39	5.28	5.15	4.89	4.58	4.28	3.91	4.15	4.99
145	5.18	4.56	3.89	4.21	4.42	4.75	4.93	5.13	5.31	5.36	5.40	5.25	5.17	4.89	4.66	4.38	4.02	4.46	5.05
150	5.46	5.10	4.18	4.33	4.54	4.76	4.93	5.05	5.25	5.25	5.31	5.19	5.15	4.89	4.67	4.49	4.27	4.90	5.16
155	5.60	5.41	4.67	4.42	4.55	4.77	4.93	5.03	5.19	5.17	5.26	5.13	5.11	4.89	4.72	4.56	4.65	5.13	5.29
160	5.83	5.72	5.26	4.82	4.65	4.78	4.91	4.96	5.09	5.08	5.14	5.04	5.04	4.89	4.75	4.84	5.08	5.34	5.45
165	5.91	5.88	5.65	5.41	4.96	4.78	4.88	4.90	5.01	5.00	5.06	4.99	4.99	4.89	4.89	5.17	5.31	5.43	5.51
170	6.02	6.05	6.00	6.25	6.12	5.91	5.60	5.49	5.33	5.12	5.09	5.20	5.23	5.36	5.39	5.55	5.49	5.54	5.57
175	6.87	6.87	6.79	6.83	6.69	6.71	6.55	6.22	5.37	5.47	5.45	5.53	5.54	5.65	6.04	6.39	6.53	6.66	6.62
180	6.98	7.03	7.05	7.06	7.06	6.94	5.78	5.55	5.50	5.50	5.52	7.03	7.03	7.03	7.05	7.06	7.01	6.98	6.98

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.67V I:0.0876A P:9.9894W PF:0.4931 Freq:49.99Hz Lamp Flux:1246.53x1 lm		
NAME: Marilyn 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	256	256	257	257	256	256	256	256	257	256	257	257	256	256	257	257	257		
5	258	261	263	265	267	269	270	271	272	271	270	269	268	266	264	261	259		
10	257	264	270	276	282	286	290	292	292	292	289	287	282	277	271	264	258		
15	254	264	274	282	290	296	301	304	305	304	301	296	290	282	274	264	255		
20	246	260	273	286	298	308	316	320	322	321	316	308	299	287	274	261	247		
25	239	255	272	288	302	314	324	330	332	330	324	315	303	289	272	256	240		
30	225	246	266	287	304	321	334	341	344	341	333	321	306	287	267	246	226		
35	215	238	261	284	305	324	338	347	350	347	338	323	305	284	261	238	216		
40	197	223	249	277	302	324	341	352	356	353	341	324	302	277	250	223	197		
45	184	212	241	271	298	323	342	353	358	354	341	323	298	270	241	212	184		
50	163	194	226	259	289	318	339	352	357	353	339	317	290	259	226	194	163		
55	148	181	215	250	283	312	334	349	354	349	335	312	283	250	215	181	148		
60	126	160	197	234	269	301	325	342	347	342	325	301	269	235	197	160	126		
65	110	146	184	223	259	292	318	335	340	334	318	292	258	222	184	146	110		
70	87.1	125	164	204	242	276	304	321	327	321	303	277	242	204	163	124	86.2		
75	71.6	110	151	192	230	265	293	311	317	311	292	265	230	191	150	109	70.6		
80	49.3	89.2	131	172	211	247	274	293	299	293	274	246	210	172	129	87.8	48.0		
85	36.2	76.2	118	159	198	233	261	280	285	279	261	233	198	158	116	74.6	34.8		
90	22.0	59.7	100.0	141	179	214	240	258	264	258	240	213	178	140	98.8	58.1	20.4		
95	17.1	51.4	90.1	130	166	200	226	243	249	243	226	199	165	129	88.6	49.8	15.6		
100	14.2	42.5	77.3	114	148	179	204	220	225	220	203	179	147	113	75.8	41.0	13.0		
105	13.7	38.4	70.2	104	136	166	189	204	209	204	188	165	136	103	68.7	37.0	12.6		
110	13.6	34.1	61.0	91.3	120	146	167	181	185	180	166	145	119	90.1	59.8	32.8	12.5		
115	13.0	31.9	55.8	82.9	109	133	152	165	168	165	152	133	108	81.8	54.9	30.7	11.8		
120	10.8	29.3	49.2	72.0	94.4	115	131	142	145	142	131	115	93.5	71.0	48.3	28.3	9.72		
125	8.68	27.9	45.7	65.4	84.8	103	117	127	130	127	117	103	84.6	64.7	44.6	27.1	7.75		
130	5.94	24.6	40.2	56.5	72.5	87.1	98.6	106	108	106	98.4	86.8	71.9	55.8	39.5	23.8	6.28		
135	5.74	21.3	37.0	50.8	64.6	77.2	87.0	93.7	95.6	93.5	86.9	77.1	64.3	50.6	36.6	20.6	6.23		
140	5.84	15.5	31.3	43.2	53.9	64.3	71.6	76.7	78.1	76.6	71.2	64.2	53.9	43.4	31.0	15.0	6.24		
145	5.98	11.3	26.4	38.8	47.5	56.0	62.4	66.6	67.8	66.5	62.1	56.1	47.9	38.8	26.0	10.8	6.32		
150	5.94	7.29	18.0	29.5	38.7	45.4	50.2	53.3	54.1	53.3	50.3	45.7	38.9	29.3	17.5	7.61	6.46		
155	5.58	6.08	11.0	22.4	31.0	37.6	42.2	45.5	46.2	45.4	42.5	37.9	31.0	22.2	11.4	7.43	6.54		
160	5.58	5.84	6.19	8.80	16.6	23.7	27.6	30.4	31.2	30.5	27.7	23.8	17.8	10.8	8.08	7.32	6.31		
165	5.58	5.72	5.98	6.07	7.18	11.8	16.9	18.7	19.7	19.1	16.8	13.5	9.69	8.32	7.81	7.29	6.30		
170	5.58	5.65	5.72	5.73	5.84	5.80	5.86	8.35	8.35	8.37	8.35	8.15	7.97	7.73	7.50	7.18	6.45		
175	6.41	6.18	5.72	5.65	5.68	5.61	5.67	5.59	7.22	7.67	7.71	7.61	7.57	7.38	7.30	7.13	7.03		
180	7.02	7.05	7.04	7.04	6.90	5.72	5.55	5.55	5.55	5.58	7.07	7.05	7.05	7.02	7.05	7.06	6.99		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:28 August 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: SPMWH1228MD5WAVURK KEDH009S0350NR12A7