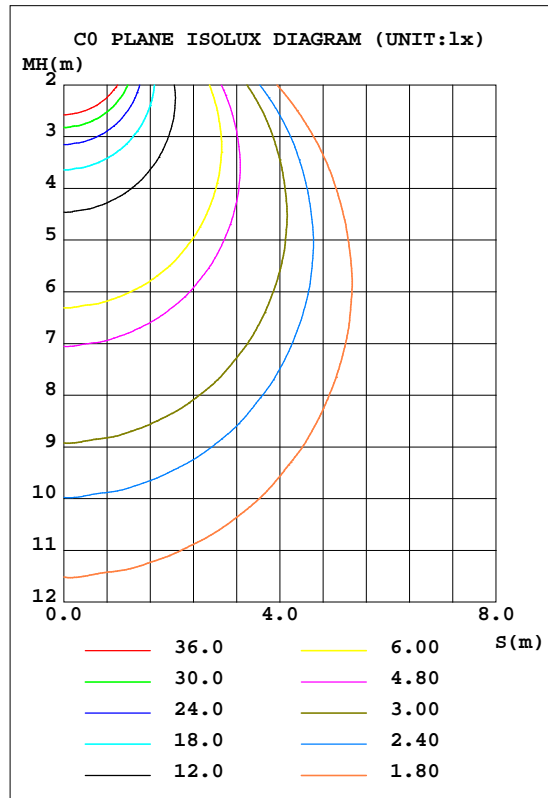
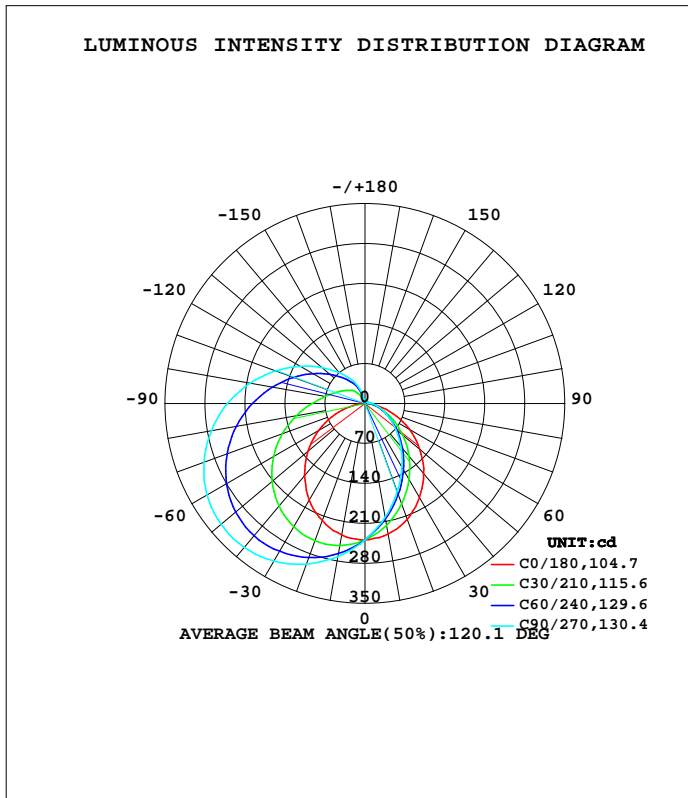


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.32 lm/W			
MODEL 1918A3-16比1新透光罩		I _{max} (cd)	330.5	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.97
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1148.7	h UP, DN(C0-180)	1.2, 20.0
NOMINAL FLUX(lm)	1148.68	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	19.6, 59.1
LAMPS INSIDE	1	h up(%)	20.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.0	h down(%)	79.2	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:

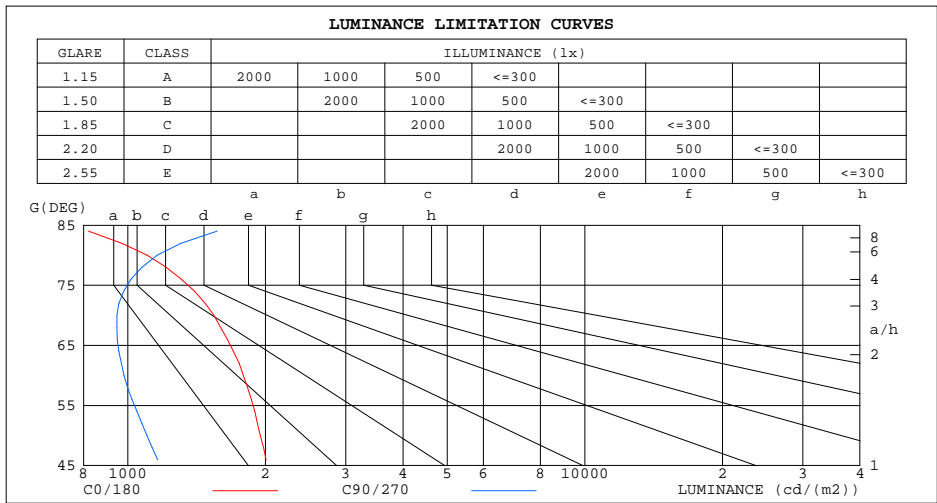
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	232.2	210.6	202.7	211.7	234.2	260.4	271.9	259.2	0- 10	22.63	22.63	1.97,1.97
20	216.3	177.5	165.0	179.3	218.1	273.1	299.3	270.4	10- 20	65.22	87.85	7.65,7.65
30	190.8	142.7	129.7	144.7	195.5	276.5	318.3	272.4	20- 30	100.4	188.2	16.4,16.4
40	160.2	109.0	97.75	110.7	164.7	270.7	329.2	265.4	30- 40	124.7	313.0	27.2,27.2
50	125.3	78.21	70.81	79.42	130.4	256.7	328.9	250.7	40- 50	136.8	449.8	39.2,39.2
60	89.48	51.90	49.05	52.55	92.83	235.2	319.7	228.7	50- 60	136.9	586.7	51.1,51.1
70	52.75	31.03	32.40	31.31	55.26	208.3	300.3	202.1	60- 70	126.4	713.0	62.1,62.1
80	19.14	16.25	20.15	16.26	20.73	178.3	272.9	172.3	70- 80	108.5	821.5	71.5,71.5
90	1.174	7.705	11.93	7.642	1.437	148.2	240.9	142.6	80- 90	88.02	909.5	79.2,79.2
100	1.763	4.247	7.240	4.250	2.070	120.7	204.7	116.0	90-100	70.44	980.0	85.3,85.3
110	2.508	3.551	5.269	3.636	2.703	96.61	167.4	92.94	100-110	55.59	1036	90.2,90.2
120	3.304	3.822	4.950	3.949	3.343	75.94	130.7	73.05	110-120	42.13	1078	93.8,93.8
130	4.026	4.071	5.009	4.198	3.908	58.63	98.02	56.66	120-130	30.09	1108	96.4,96.4
140	4.666	4.239	4.972	4.369	4.512	44.12	70.26	43.37	130-140	20.04	1128	98.2,98.2
150	5.054	4.310	4.890	4.425	4.667	30.87	48.76	30.34	140-150	12.13	1140	99.2,99.2
160	5.404	4.366	4.704	4.470	4.898	11.31	27.94	12.75	150-160	6.103	1146	99.8,99.8
170	5.612	5.538	4.720	4.920	5.026	5.162	7.477	7.142	160-170	2.054	1148	100,100
180	6.424	6.390	5.017	6.420	6.409	6.372	5.017	6.431	170-180	0.5547	1149	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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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	983	1880
80	1102	1160
75	1491	1043
70	1542	947
65	1766	992
60	1790	981
55	1944	1073
50	1950	1102
45	2078	1223

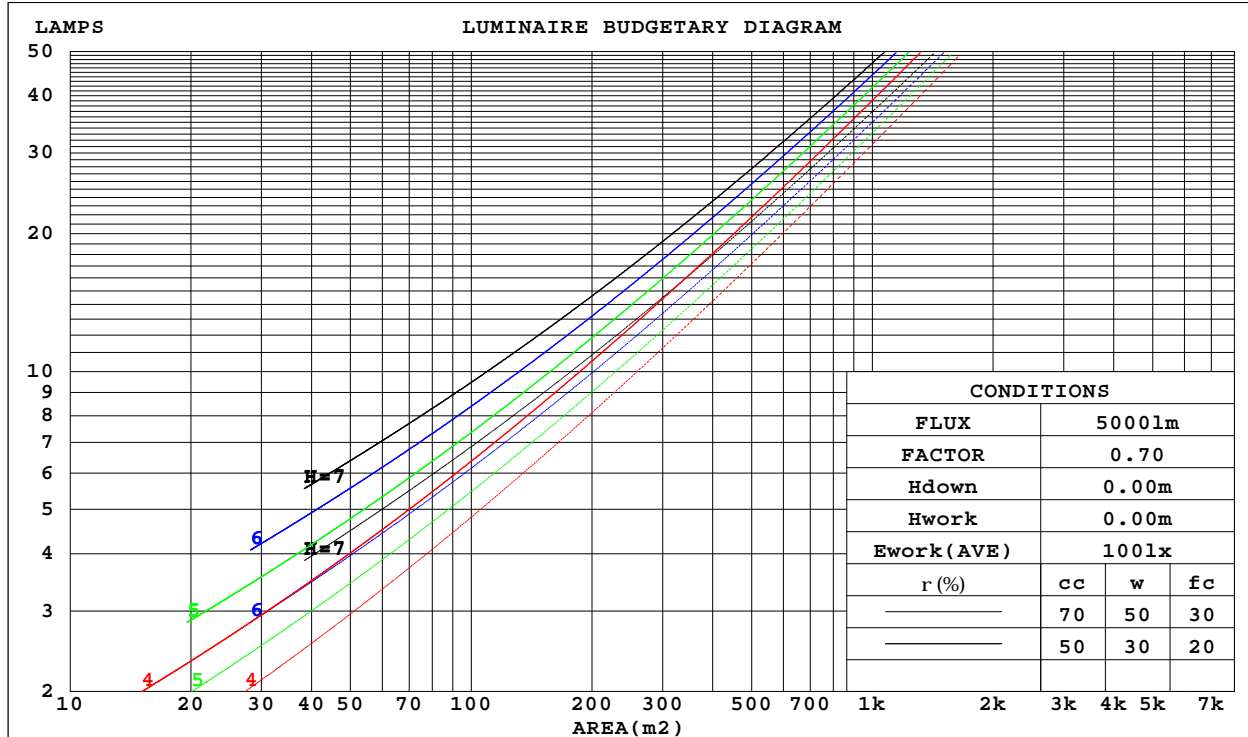
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 28 August 2023

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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn 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	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.83	.83	.83	.79
1.0	.95	.89	.85	.90	.86	.81	.82	.78	.75	.75	.72	.69	.68	.65	.63	.60
2.0	.81	.73	.67	.77	.70	.64	.70	.65	.59	.64	.59	.55	.58	.54	.51	.47
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.49	.55	.50	.45	.50	.46	.42	.39
4.0	.62	.52	.45	.59	.50	.44	.54	.46	.41	.49	.43	.38	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.44	.37	.48	.40	.35	.44	.37	.32	.40	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.36	.30	.39	.33	.28	.36	.30	.26	.24
7.0	.44	.35	.29	.42	.34	.28	.39	.32	.26	.36	.29	.25	.33	.27	.23	.21
8.0	.40	.31	.25	.39	.30	.25	.35	.28	.23	.33	.26	.22	.30	.25	.21	.18
9.0	.37	.28	.23	.35	.27	.22	.33	.26	.21	.30	.24	.20	.28	.22	.19	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.28	.22	.18	.26	.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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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	.373	.213	.068	.348	.200	.064	.324	.187	.060	.303	.176	.057	
2.0	.334	.183	.056	.321	.177	.055	.298	.166	.052	.277	.155	.049	.257	.146	.046	
3.0	.296	.157	.047	.285	.152	.046	.264	.143	.043	.245	.134	.041	.227	.126	.039	
4.0	.266	.138	.041	.256	.134	.040	.237	.126	.038	.219	.118	.036	.203	.110	.034	
5.0	.242	.123	.036	.233	.119	.035	.215	.112	.033	.199	.105	.031	.184	.098	.030	
6.0	.221	.111	.032	.213	.108	.031	.197	.101	.029	.183	.095	.028	.169	.089	.026	
7.0	.204	.101	.029	.196	.098	.028	.182	.092	.027	.169	.086	.025	.156	.081	.024	
8.0	.189	.092	.026	.182	.090	.025	.169	.084	.024	.157	.079	.023	.145	.074	.022	
9.0	.176	.085	.024	.170	.083	.023	.158	.078	.022	.146	.073	.021	.135	.069	.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	.349	.349	.349	.298	.298	.298	.204	.204	.204	.117	.117	.117	.037	.037	.037	
1.0	.346	.315	.288	.296	.271	.248	.202	.186	.172	.116	.108	.100	.037	.035	.032	
2.0	.339	.293	.254	.290	.252	.220	.199	.174	.153	.115	.101	.090	.037	.033	.029	
3.0	.331	.276	.233	.284	.238	.202	.195	.166	.141	.113	.097	.083	.036	.031	.027	
4.0	.324	.264	.218	.278	.228	.190	.191	.159	.134	.110	.093	.079	.036	.030	.026	
5.0	.316	.254	.209	.271	.220	.182	.187	.154	.128	.108	.090	.076	.035	.029	.025	
6.0	.308	.246	.202	.265	.213	.176	.183	.149	.124	.106	.088	.074	.034	.029	.024	
7.0	.301	.240	.197	.259	.208	.171	.179	.146	.121	.104	.086	.072	.034	.028	.024	
8.0	.295	.234	.193	.254	.203	.168	.176	.143	.119	.102	.084	.071	.033	.028	.024	
9.0	.289	.229	.190	.249	.199	.165	.172	.140	.117	.100	.083	.070	.032	.027	.023	
10.0	.283	.225	.187	.244	.196	.163	.169	.138	.116	.099	.081	.069	.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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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	8.0	9.4	8.6	9.9	10.5
3H	11.4	12.7	12.0	13.3	13.9	9.4	10.6	10.0	11.2	11.9
4H	11.9	13.1	12.5	13.7	14.4	10.1	11.3	10.7	11.8	12.5
6H	12.2	13.3	12.8	13.9	14.6	10.8	11.9	11.4	12.5	13.2
8H	12.3	13.3	12.9	14.0	14.7	11.2	12.3	11.8	12.9	13.6
12H	12.3	13.3	12.9	14.0	14.7	11.6	12.7	12.3	13.3	14.0
4H 2H	10.2	11.4	10.8	12.0	12.7	8.5	9.7	9.1	10.3	11.0
3H	11.6	12.7	12.3	13.3	14.0	10.0	11.1	10.7	11.7	12.4
4H	12.2	13.1	12.9	13.8	14.6	10.9	11.8	11.5	12.5	13.2
6H	12.6	13.4	13.3	14.1	14.9	11.8	12.6	12.5	13.3	14.1
8H	12.7	13.5	13.4	14.2	15.0	12.3	13.1	13.0	13.8	14.6
12H	12.7	13.4	13.4	14.1	15.0	12.8	13.6	13.6	14.3	15.1
8H 4H	12.3	13.1	13.0	13.8	14.6	11.1	11.9	11.8	12.6	13.4
6H	12.8	13.4	13.5	14.2	15.0	12.2	12.9	12.9	13.6	14.5
8H	12.9	13.5	13.7	14.3	15.1	12.9	13.5	13.6	14.2	15.1
12H	13.0	13.5	13.8	14.3	15.2	13.6	14.2	14.4	14.9	15.8
12H 4H	12.3	13.0	13.0	13.7	14.5	11.1	11.8	11.8	12.5	13.4
6H	12.8	13.4	13.5	14.2	15.0	12.3	12.9	13.0	13.6	14.5
8H	13.0	13.5	13.8	14.3	15.2	13.0	13.5	13.7	14.3	15.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.7 / - 0.7					+ 0.1 / - 0.2				
2.0H	+ 1.3 / - 1.2					+ 0.1 / - 0.2				

CIE Pub.117, 1149 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)

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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

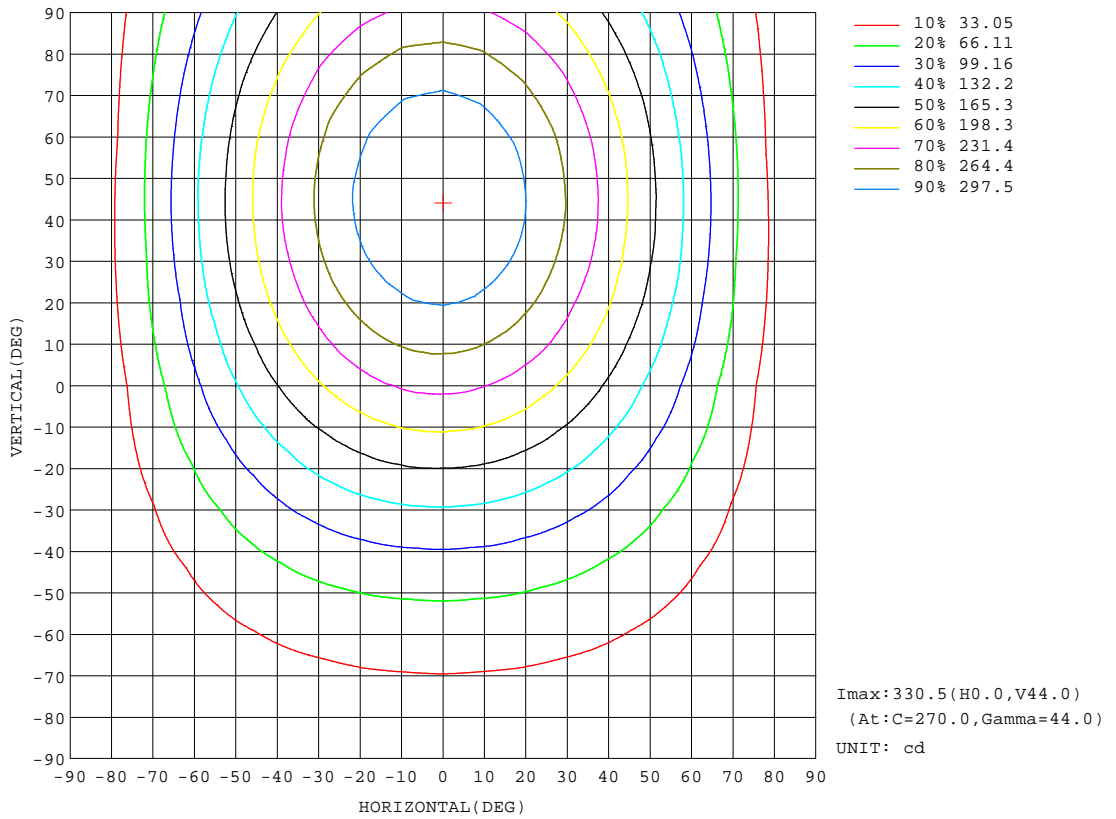
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	47	34	27	46	34	27	44	33	26	20
0.80	56	43	35	54	42	34	51	41	33	25
1.00	64	51	42	62	49	41	58	50	40	31
1.25	70	58	49	68	56	48	63	54	46	36
1.50	76	63	55	73	61	53	68	58	51	40
2.00	83	72	63	80	69	62	74	65	59	46
2.50	87	77	69	84	74	67	77	70	63	50
3.00	91	82	74	87	79	72	80	73	68	54
4.00	96	88	81	92	85	78	84	78	73	58
5.00	99	92	86	95	88	83	87	82	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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

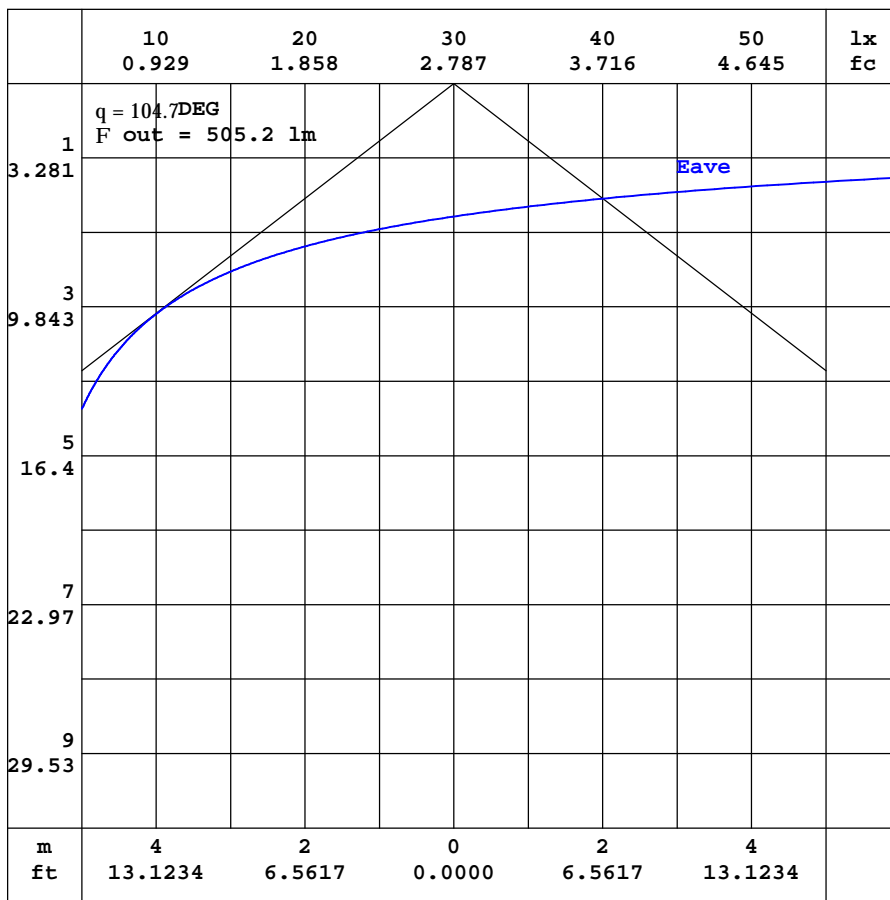


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 28 August 2023

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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



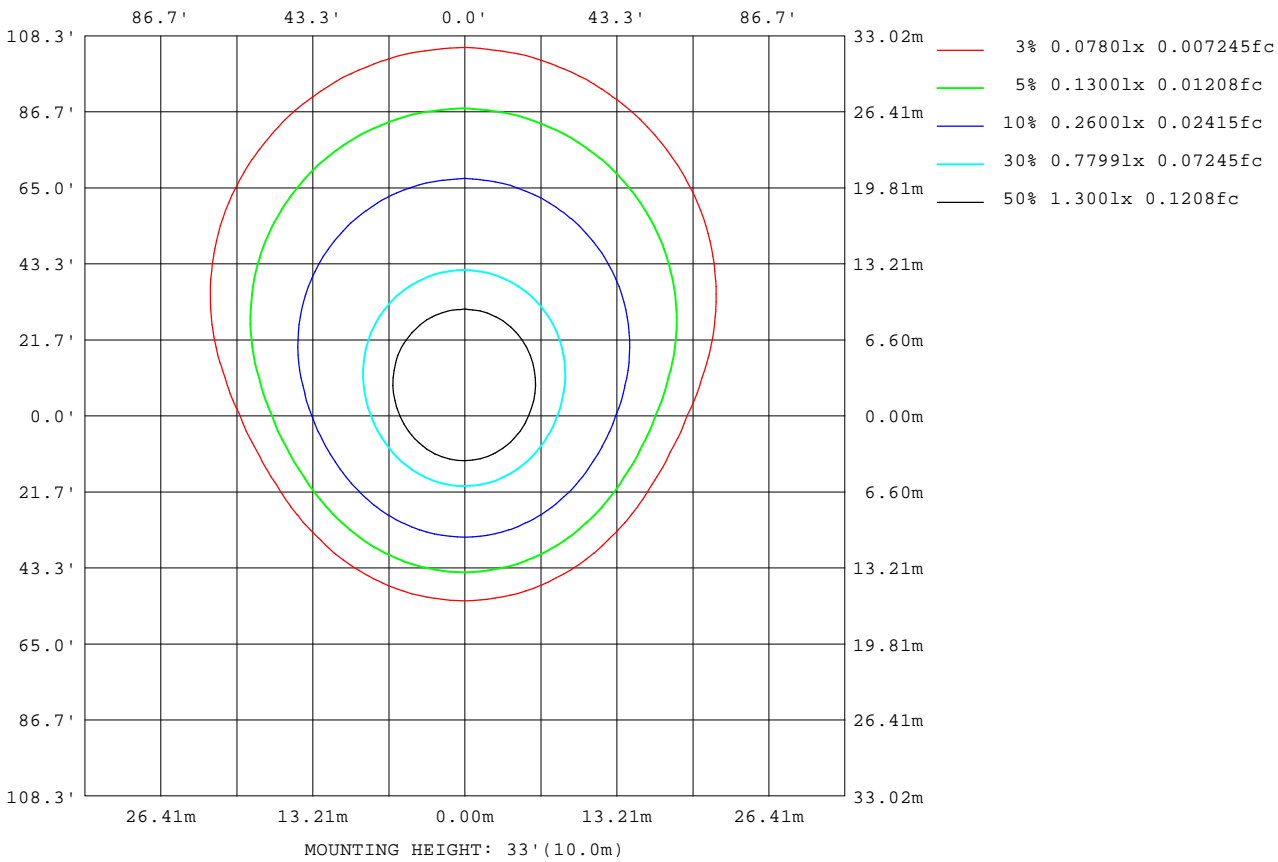
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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

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

LED Avg.L Report

Test:U:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 lm		
NAME: Marilyn LED bathroom light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

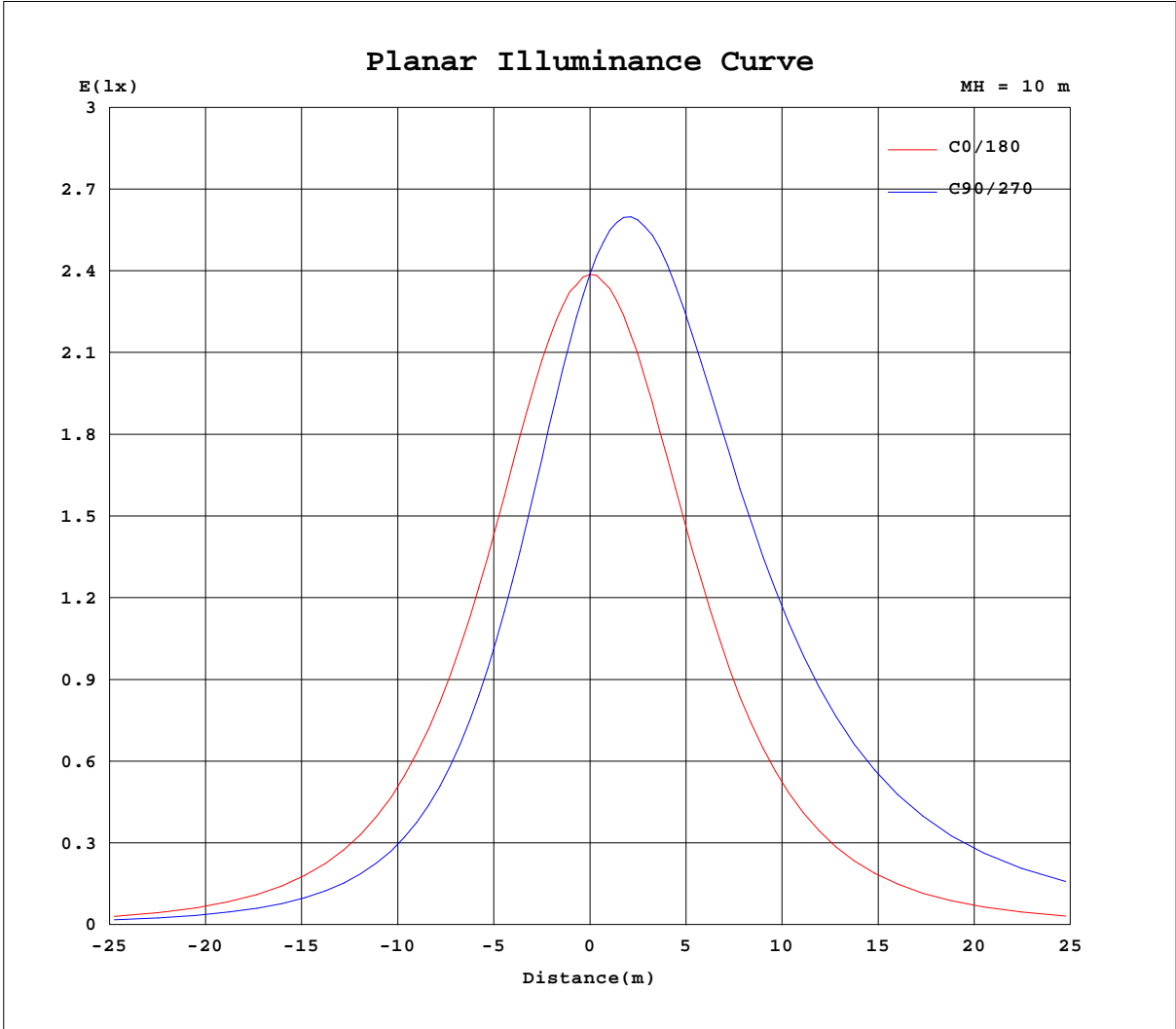
AvgL	cd/m2
L_0~180(65)av	1714
L_0~180(75)av	1400
L_0~180(85)av	800
L_90~270(65)av	4152
L_90~270(75)av	6050
L_90~270(85)av	15650
L_45(65)av	3079
L_45(75)av	4125
L_45(85)av	9852

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
Page 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:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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	239	239	239	239	239	239	239	239	238	239	239	239	239	239	238	239	240	239	239
5	237	235	233	231	229	227	225	225	225	225	225	226	226	228	229	231	233	236	238
10	232	227	221	217	212	209	206	204	203	203	203	205	207	210	213	218	223	229	234
15	227	219	212	206	200	196	192	189	188	188	188	190	193	197	202	207	214	222	230
20	216	206	196	188	180	175	170	167	166	165	166	168	171	176	182	190	198	208	218
25	206	194	183	175	166	161	156	153	151	151	151	154	157	163	169	177	187	198	210
30	191	176	164	154	146	140	135	132	130	130	130	133	136	142	148	157	167	180	195
35	179	164	151	140	132	126	121	119	117	116	117	119	123	128	134	143	153	168	184
40	160	144	130	120	112	106	102	99.8	97.7	97.7	98.1	100	103	108	114	122	132	147	165
45	147	130	116	106	98.7	93.8	89.7	87.9	86.3	86.5	86.7	88.6	90.9	95.1	100	108	118	133	152
50	125	108	95.0	86.6	80.1	76.3	73.2	71.9	70.7	70.8	70.9	72.5	74.0	77.4	81.4	88.5	97.5	112	130
55	111	94.3	81.5	74.1	68.5	65.6	63.2	62.3	61.4	61.6	61.5	62.7	63.9	66.6	69.7	75.5	83.6	97.0	116
60	89.5	72.8	62.1	56.5	52.7	51.1	49.8	49.5	48.9	49.1	49.0	49.7	50.2	51.8	53.3	57.6	63.5	75.2	92.8
65	74.6	59.4	49.9	45.8	43.2	42.4	41.7	41.9	41.6	41.9	41.7	42.1	42.1	43.0	43.9	46.4	50.9	61.0	77.9
70	52.8	39.6	33.3	31.5	30.8	31.2	31.4	32.0	32.1	32.4	32.2	32.2	31.5	31.5	31.1	31.9	33.8	40.5	55.3
75	38.6	27.5	23.7	23.6	23.8	24.9	25.5	26.4	26.6	27.0	26.7	26.5	25.6	25.0	23.9	23.6	23.8	28.2	40.9
80	19.1	12.8	12.5	14.0	15.4	17.1	18.2	19.3	19.8	20.1	19.8	19.4	18.3	17.1	15.4	13.9	12.4	12.9	20.7
85	8.57	6.24	7.47	9.48	11.2	13.1	14.3	15.5	16.0	16.4	16.1	15.6	14.3	13.1	11.1	9.31	7.23	6.01	9.70
90	1.17	1.92	3.33	5.14	6.81	8.60	9.85	11.0	11.6	11.9	11.6	11.1	9.88	8.56	6.73	4.96	3.11	1.65	1.44
95	1.21	1.56	2.38	3.62	5.08	6.58	7.78	8.82	9.38	9.68	9.44	8.85	7.80	6.55	5.03	3.48	2.21	1.38	1.62
100	1.76	1.73	2.08	2.75	3.73	4.76	5.75	6.53	7.00	7.24	7.07	6.57	5.78	4.76	3.74	2.67	1.99	1.59	2.07
105	2.02	1.88	2.17	2.68	3.37	4.15	4.99	5.60	6.07	6.21	6.12	5.66	5.04	4.20	3.41	2.68	2.14	1.76	2.31
110	2.51	2.10	2.41	2.88	3.28	3.83	4.38	4.81	5.20	5.27	5.23	4.87	4.47	3.92	3.36	2.93	2.39	2.02	2.70
115	2.86	2.27	2.58	3.03	3.48	3.90	4.27	4.60	4.88	4.93	4.93	4.70	4.37	4.01	3.49	3.10	2.56	2.20	2.98
120	3.30	2.52	2.79	3.25	3.59	4.06	4.35	4.68	4.82	4.95	4.90	4.78	4.47	4.19	3.71	3.33	2.82	2.47	3.34
125	3.59	2.67	2.94	3.36	3.71	4.16	4.41	4.74	4.88	5.00	4.91	4.85	4.54	4.29	3.83	3.46	2.98	2.67	3.56
130	4.03	2.95	3.18	3.57	3.86	4.28	4.53	4.77	4.89	5.01	4.99	4.89	4.66	4.40	4.00	3.68	3.21	2.97	3.91
135	4.27	3.24	3.31	3.69	3.96	4.34	4.56	4.77	4.91	5.00	5.02	4.89	4.70	4.47	4.09	3.80	3.36	3.29	4.15
140	4.67	3.85	3.55	3.85	4.07	4.41	4.56	4.77	4.91	4.97	5.02	4.89	4.72	4.55	4.19	3.95	3.56	3.79	4.51
145	4.80	4.24	3.65	3.94	4.13	4.43	4.58	4.77	4.91	4.91	4.99	4.88	4.72	4.54	4.28	4.03	3.69	4.06	4.64
150	5.05	4.73	3.83	4.05	4.19	4.43	4.58	4.69	4.87	4.89	4.92	4.79	4.72	4.54	4.31	4.14	3.93	4.44	4.67
155	5.21	5.02	4.28	4.12	4.22	4.44	4.58	4.66	4.82	4.79	4.86	4.76	4.72	4.54	4.36	4.21	4.22	4.66	4.77
160	5.40	5.31	4.89	4.47	4.29	4.44	4.57	4.59	4.73	4.70	4.77	4.67	4.67	4.54	4.40	4.45	4.63	4.83	4.90
165	5.50	5.49	5.23	5.03	4.57	4.45	4.53	4.56	4.65	4.62	4.71	4.67	4.64	4.54	4.52	4.73	4.87	4.93	4.98
170	5.61	5.63	5.60	5.79	5.63	5.44	5.16	5.08	4.91	4.72	4.70	4.80	4.79	4.92	4.92	5.05	5.01	5.02	5.03
175	6.31	6.29	6.19	6.25	6.13	6.16	5.99	5.70	4.90	4.99	4.97	5.06	5.02	5.13	5.50	5.85	5.97	6.09	6.04
180	6.42	6.43	6.42	6.45	6.43	6.35	5.20	5.03	5.02	5.02	5.04	6.46	6.41	6.43	6.41	6.41	6.36	6.36	6.41

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.68V I:0.0862A P:9.7907W PF:0.4913 Freq:49.99Hz Lamp Flux:1148.68x1 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	239	239	239	239	239	239	239	238	239	239	239	239	239	238	239	240	239		
5	240	243	245	247	249	250	252	252	252	252	252	250	249	247	245	243	240		
10	240	246	253	258	263	266	270	271	272	271	269	266	262	257	250	245	239		
15	238	246	255	263	270	276	280	282	283	282	279	274	268	261	253	244	235		
20	231	244	256	268	278	287	294	297	299	297	292	285	276	265	253	241	227		
25	225	240	255	269	282	293	301	306	308	305	299	291	279	266	251	237	221		
30	212	231	250	268	285	299	311	317	318	315	308	296	281	264	246	226	208		
35	203	223	244	265	285	302	314	322	324	321	311	298	280	261	239	219	198		
40	186	210	234	259	282	302	317	327	329	325	314	298	277	254	229	205	181		
45	173	199	226	254	279	301	317	327	331	325	314	296	273	248	221	194	169		
50	154	182	212	243	271	296	314	326	329	324	310	290	265	236	206	177	149		
55	140	170	202	234	263	290	310	323	326	320	306	285	258	227	196	165	136		
60	119	151	185	219	251	280	302	315	320	313	297	274	245	213	179	146	115		
65	104	138	173	208	241	271	294	308	313	306	290	266	235	202	167	133	100		
70	82.2	117	154	191	226	257	281	296	300	294	276	251	219	185	148	113	78.4		
75	67.7	104	141	179	214	246	271	286	290	283	266	240	208	173	135	99.0	64.0		
80	46.4	83.4	122	160	196	229	253	269	273	266	249	223	190	155	116	78.9	43.3		
85	33.8	70.9	109	148	184	216	241	257	260	254	236	211	178	143	104	66.7	31.0		
90	20.5	55.4	92.8	131	166	197	221	237	241	234	217	192	160	125	88.2	51.5	17.8		
95	15.8	47.3	83.2	120	154	184	207	223	226	220	204	179	148	115	79.1	44.0	13.7		
100	13.1	39.0	71.1	105	136	165	187	201	205	199	183	161	132	100	67.2	36.0	11.3		
105	12.5	35.4	64.4	95.8	125	152	173	186	190	184	170	148	121	91.6	60.8	32.5	10.9		
110	12.5	31.1	55.9	83.4	110	134	152	164	167	163	149	130	106	79.9	52.8	28.8	10.9		
115	11.9	29.0	51.2	76.0	99.9	122	139	150	152	149	136	119	96.5	72.7	48.5	27.1	10.3		
120	9.83	26.6	45.0	65.8	86.1	105	119	129	131	128	117	102	83.2	62.9	42.7	24.9	8.50		
125	7.89	25.4	41.4	59.7	77.6	94.4	107	115	117	114	105	91.9	75.1	57.2	39.3	23.8	6.84		
130	5.30	22.4	36.5	51.4	65.9	79.5	89.4	96.2	98.0	95.5	88.1	77.4	63.8	49.5	35.0	21.0	5.69		
135	5.14	19.3	33.4	46.2	58.8	70.3	78.8	84.7	86.0	84.1	77.8	68.8	57.1	44.8	32.6	18.2	5.67		
140	5.33	14.1	28.4	39.4	48.9	58.2	64.8	69.3	70.3	68.8	64.0	57.1	48.1	38.6	27.4	13.3	5.73		
145	5.43	10.3	23.9	35.2	43.2	50.6	56.5	60.2	61.0	59.8	55.8	50.2	42.8	34.5	22.9	9.56	5.84		
150	5.37	6.55	16.2	26.7	35.0	40.9	45.3	48.2	48.8	47.8	45.0	40.9	34.6	26.1	15.5	6.90	5.94		
155	5.03	5.37	9.80	20.2	28.0	34.0	38.0	41.0	41.6	40.8	38.1	33.9	27.6	19.7	10.2	6.77	5.98		
160	5.02	5.22	5.52	7.77	14.8	21.4	24.8	27.2	27.9	27.3	24.8	21.2	15.9	9.61	7.29	6.66	5.85		
165	5.02	5.13	5.34	5.39	6.25	10.5	15.1	16.7	17.7	17.1	15.0	12.0	8.57	7.53	7.09	6.59	5.85		
170	5.02	5.11	5.14	5.12	5.20	5.15	5.20	7.54	7.48	7.57	7.57	7.38	7.26	7.03	6.83	6.56	5.95		
175	5.89	5.60	5.10	5.08	5.11	5.03	5.08	5.01	6.68	7.05	7.01	6.89	6.87	6.69	6.65	6.46	6.41		
180	6.42	6.42	6.45	6.45	6.29	5.15	5.02	5.02	5.02	5.10	6.46	6.45	6.45	6.42	6.42	6.38	6.36		

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