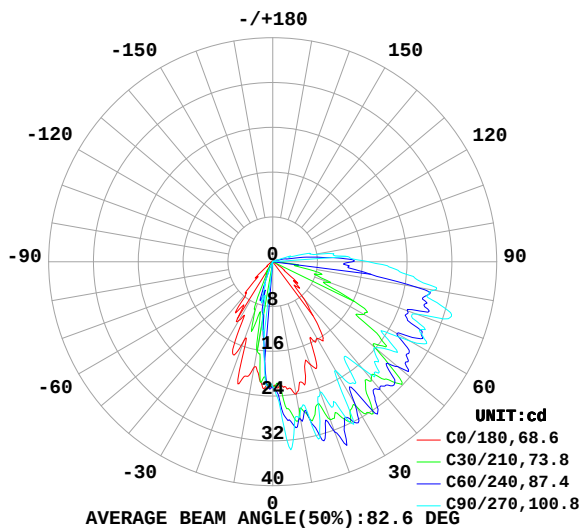


LUMINAIRE PHOTOMETRIC TEST REPORT

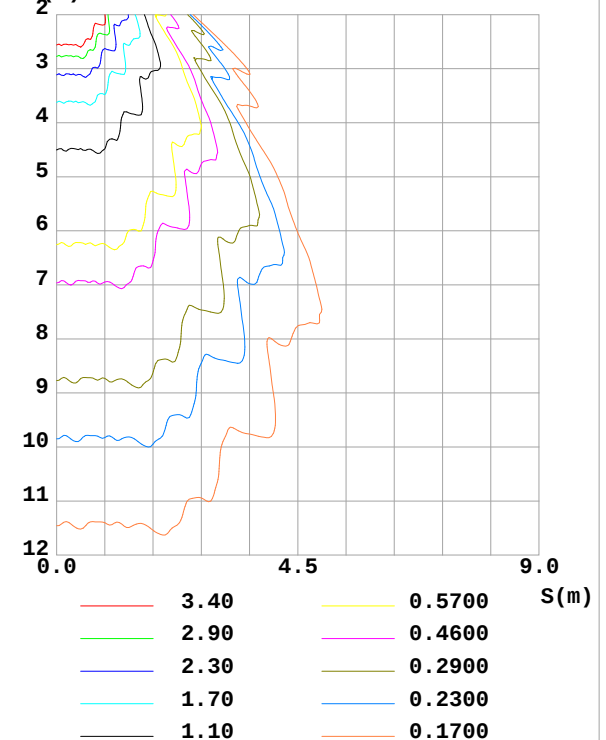
Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.93 lm/W
MODEL	ASD-EML-LP-W	I _{max} (cd)	38.32	S/MH(C0/180)	0.93	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.34	
RATED VOLTAGE(V)	4.2	TOTAL FLUX(lm)	69.104	η UP, DN(C0-180)	5.0, 88.3	
NOMINAL FLUX(lm)	69.1042	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 6.6	
LAMPS INSIDE	1	η up(%)	5.1	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	4.2	η down(%)	94.9	CIBSE SHR MAX	0.90	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date:
Stability time: 0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks: Stability time: 0 s

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	24.03	29.30	27.98	29.10	19.10	12.66	10.90	12.33	0- 10	2.112	2.112	3.06,3.06
20	19.49	28.19	24.77	25.70	14.89	5.417	4.508	6.523	10- 20	5.316	7.428	10.7,10.7
30	15.79	27.82	22.42	27.22	12.10	1.260	0.6707	1.640	20- 30	7.290	14.72	21.3,21.3
40	8.760	33.39	24.87	30.69	7.418	0.3866	0.2209	0.4328	30- 40	8.398	23.12	33.5,33.5
50	5.514	32.93	23.90	28.57	2.026	0.1808	0.0776	0.2301	40- 50	9.436	32.55	47.1,47.1
60	0.9622	29.08	28.35	22.02	0.6643	0.0803	0.0214	0.1084	50- 60	9.685	42.24	61.1,61.1
70	0.4662	23.87	27.39	17.90	0.3886	0.0553	0.0140	0.0773	60- 70	9.457	51.69	74.8,74.8
80	0.2800	13.83	29.29	10.56	0.2245	0.0358	0.0244	0.0702	70- 80	8.328	60.02	86.9,86.9
90	0.1365	5.334	17.17	2.900	0.1059	0.0115	0.0312	0.0331	80- 90	5.571	65.59	94.9,94.9
100	0.0762	1.077	7.425	0.8396	0.0618	0.0034	0.0326	0.0172	90-100	2.443	68.03	98.5,98.5
110	0.0422	0.4343	1.676	0.3828	0.0355	0.0042	0.0326	0.0132	100-110	0.7966	68.83	99.6,99.6
120	0.0147	0.2026	0.3907	0.1730	0.0117	0.0073	0.0290	0.0089	110-120	0.1787	69.01	99.9,99.9
130	0.0005	0.0705	0.1823	0.0713	0	0.0066	0.0214	0.0068	120-130	0.0660	69.08	100,100
140	0	0.0164	0.0556	0.0063	0	0.0037	0.0229	0.0121	130-140	0.0214	69.10	100,100
150	0.0032	0	0	0	0	0.0033	0.0165	0.0134	140-150	0.0048	69.10	100,100
160	0.0032	0	0	0	0	0.0020	0.0052	0.0074	150-160	0.0014	69.10	100,100
170	0.0025	0.0022	0	0	0	0.0008	0	0.0015	160-170	0.0004	69.10	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0001	69.10	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:
 Stability time:0 s

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks: Stability time:0 s

LUMINANCE LIMITATION CURVES

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz
Lamp Flux:69.1042x1 lm

NAME: ASD-EML-LP-W

TYPE:

WEIGHT:

SPEC.: 4000K

DIM.:

SERIAL No.: s26010001b-01

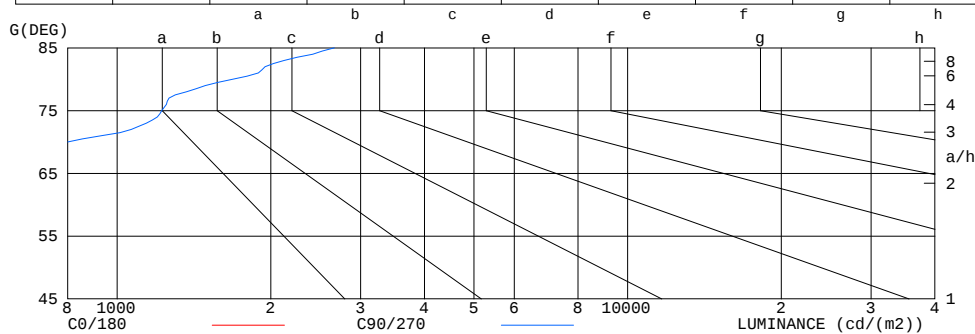
MFR.: ASD Lighting Corp

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)

G (DEG)	C0/180	C90/270
85	25	2666
80	16	1687
75	15	1224
70	14	801
65	14	684
60	19	567
55	39	458
50	86	372
45	95	366

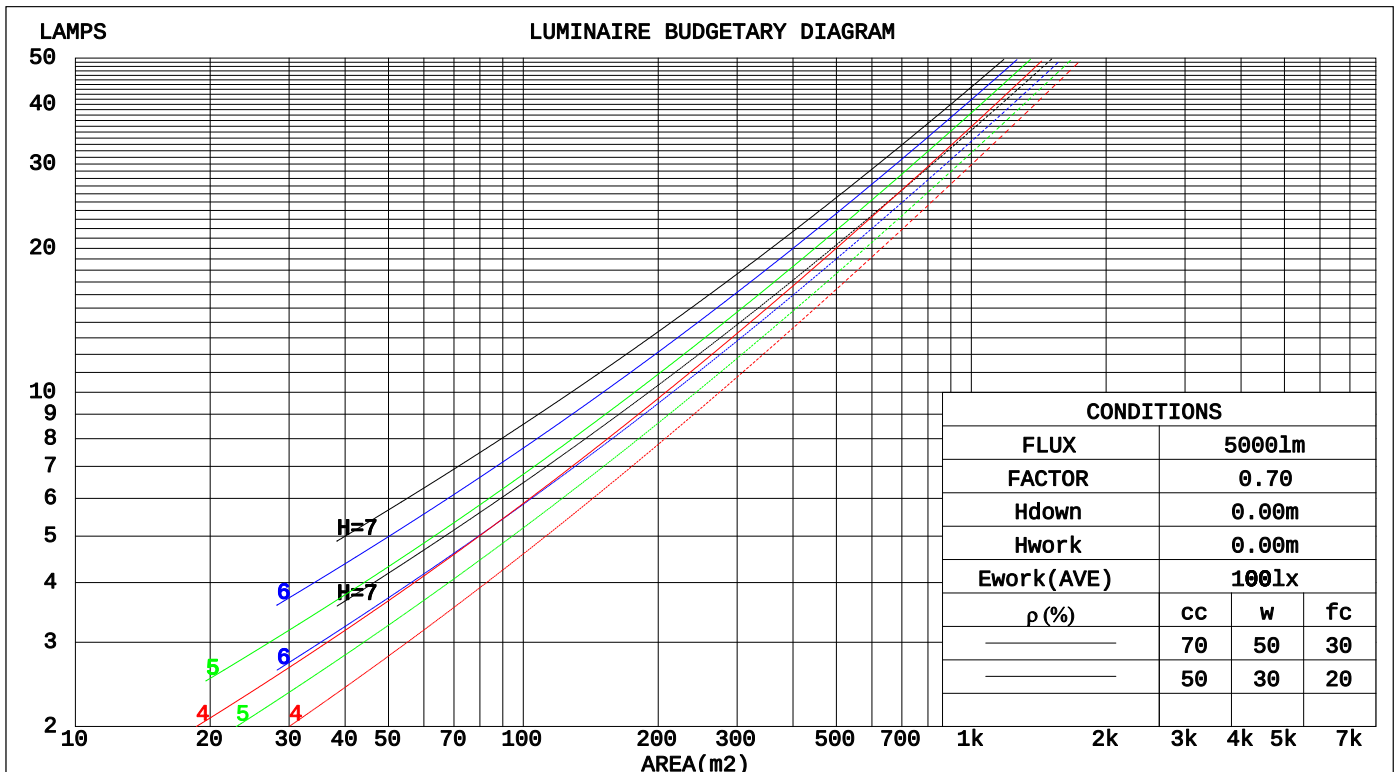
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	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															



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

WEC AND CCEC

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm																	
NAME: ASD-EML-LP-W						TYPE:						WEIGHT:					
SPEC.: 4000K						DIM.:						SERIAL No.: s26010001b-01					
MFR.: ASD Lighting Corp						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	.404	.230	.073	.395	.225	.072	.378	.217	.069	.363	.209	.067	.349	.202	.065															
2.0	.349	.191	.059	.341	.188	.058	.326	.181	.056	.312	.175	.055	.299	.169	.053															
3.0	.308	.164	.049	.301	.161	.049	.288	.156	.047	.276	.151	.046	.264	.146	.045															
4.0	.276	.144	.042	.270	.141	.042	.258	.137	.041	.247	.133	.040	.237	.129	.039															
5.0	.250	.127	.037	.244	.125	.037	.234	.122	.036	.224	.118	.035	.215	.115	.034															
6.0	.228	.114	.033	.223	.113	.032	.214	.110	.032	.205	.106	.031	.197	.103	.031															
7.0	.210	.104	.029	.206	.102	.029	.197	.100	.029	.189	.097	.028	.181	.094	.028															
8.0	.194	.095	.027	.190	.094	.026	.183	.091	.026	.175	.089	.026	.168	.086	.025															
9.0	.181	.087	.024	.177	.086	.024	.170	.084	.024	.164	.082	.023	.157	.080	.023															
10.0	.169	.081	.022	.166	.080	.022	.159	.078	.022	.153	.076	.022	.148	.074	.021															

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.229	.229	.229	.196	.196	.196	.134	.134	.134	.077	.077	.077	.025	.025	.025	
1.0	.226	.194	.166	.193	.167	.143	.132	.115	.099	.076	.066	.057	.024	.021	.019	
2.0	.219	.171	.130	.188	.147	.113	.129	.102	.079	.074	.059	.046	.024	.019	.015	
3.0	.211	.154	.108	.181	.133	.094	.124	.092	.066	.072	.054	.039	.023	.018	.013	
4.0	.203	.141	.094	.174	.122	.082	.120	.085	.057	.069	.050	.034	.022	.016	.011	
5.0	.195	.131	.084	.168	.114	.073	.115	.079	.052	.067	.047	.031	.022	.015	.010	
6.0	.187	.123	.077	.161	.107	.067	.111	.075	.047	.064	.044	.028	.021	.014	.009	
7.0	.180	.116	.072	.155	.101	.062	.107	.071	.044	.062	.042	.026	.020	.014	.009	
8.0	.173	.110	.068	.149	.096	.059	.103	.067	.042	.060	.040	.025	.019	.013	.008	
9.0	.166	.106	.065	.143	.092	.056	.099	.064	.040	.058	.038	.024	.019	.012	.008	
10.0	.160	.101	.062	.138	.088	.054	.096	.062	.038	.056	.037	.023	.018	.012	.008	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:
 Stability time:0 s

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks: Stability time:0 s

UGR(Unified Glare Rating) Table

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz										
Lamp Flux:69.1042x1 lm										
NAME: ASD-EML-LP-W					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.: s26010001b-01		
MFR.: ASD Lighting Corp					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	---	---	---	---	---	---	---	---	---	---
3H	---	---	---	---	---	---	---	---	---	---
4H	---	---	---	---	---	---	---	---	---	---
6H	---	---	---	---	---	---	---	---	---	---
8H	---	---	---	---	---	---	---	---	---	---
12H	---	---	---	---	---	---	---	---	---	---
4H 2H	---	---	---	---	---	---	---	---	---	---
3H	---	---	---	---	---	---	---	---	---	---
4H	---	---	---	---	---	---	---	---	---	---
6H	---	---	---	---	---	---	---	---	---	---
8H	---	---	---	---	---	---	---	---	---	---
12H	---	---	---	---	---	---	---	---	---	---
8H 4H	---	---	---	---	---	---	---	---	---	---
6H	---	---	---	---	---	---	---	---	---	---
8H	---	---	---	---	---	---	---	---	---	---
12H	---	---	---	---	---	---	---	---	---	---
12H 4H	---	---	---	---	---	---	---	---	---	---
6H	---	---	---	---	---	---	---	---	---	---
8H	---	---	---	---	---	---	---	---	---	---
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.0 / - 0.0					+ 0.0 / - 0.0				
1.5H	+ 0.0 / - 0.0					+ 0.0 / - 0.0				
2.0H	+ 0.0 / - 0.0					+ 0.0 / - 0.0				

CIE Pub.117, 69.10 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -9.3)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

UTILIZATION FACTORS TABLE

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

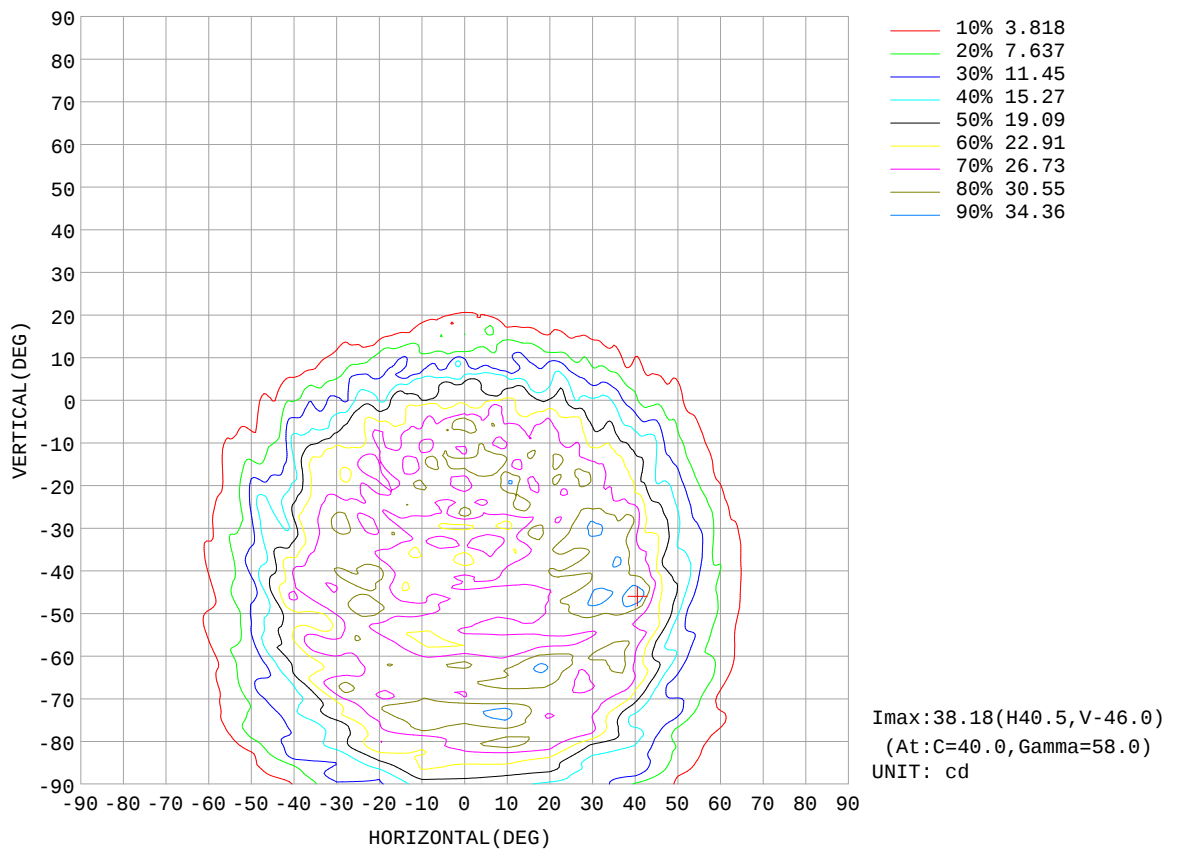
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	51	39	31	51	39	31	49	38	31	24
0.80	60	48	39	59	47	39	57	46	39	31
1.00	68	55	47	67	55	47	64	56	46	38
1.25	75	62	54	73	62	54	70	60	53	44
1.50	80	68	59	78	67	59	74	65	58	49
2.00	87	76	68	85	75	67	81	72	66	56
2.50	92	82	74	89	80	73	85	77	71	61
3.00	95	86	79	93	84	78	88	81	75	65
4.00	100	92	86	97	90	84	92	86	81	70
5.00	103	96	91	100	94	89	95	90	85	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

ISOCANDELA DIAGRAM

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

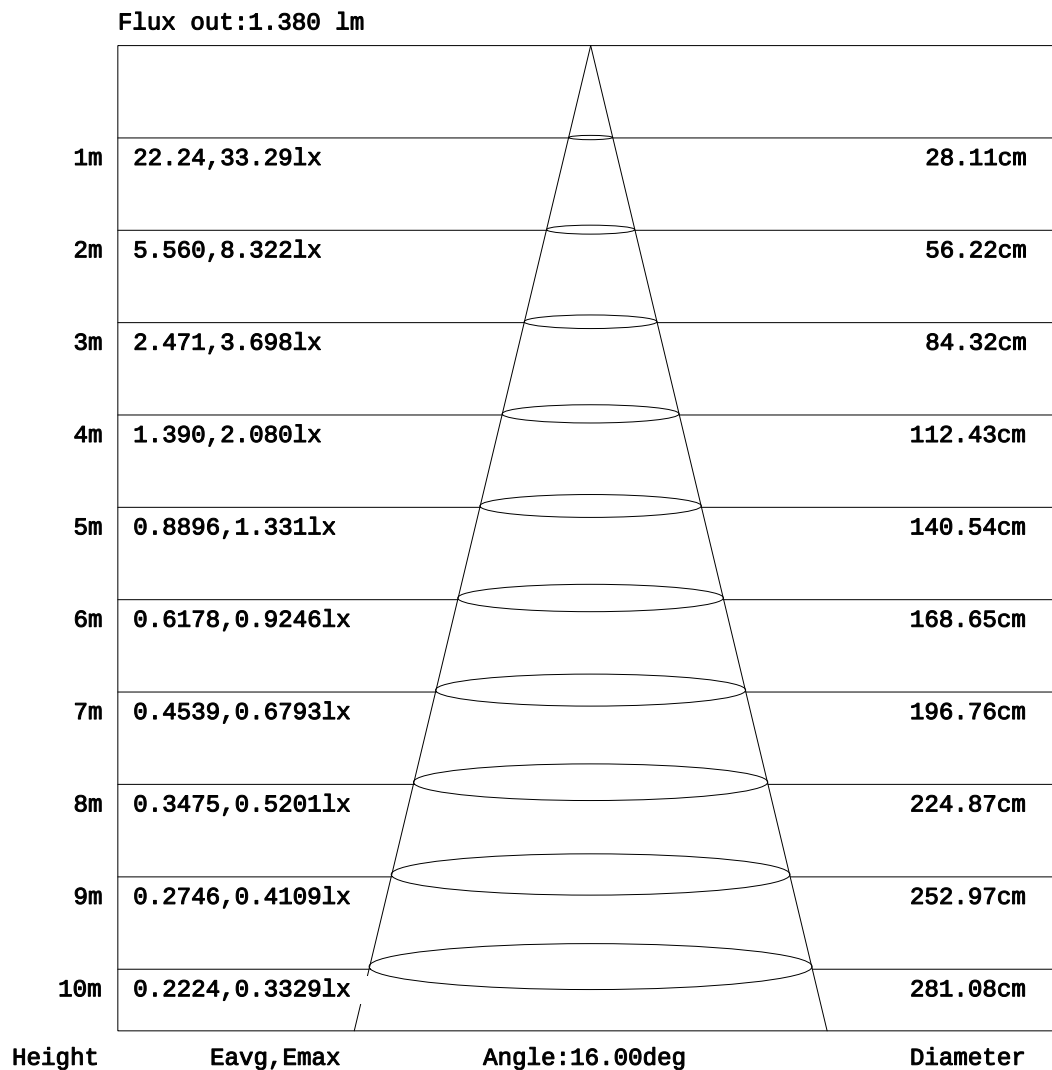


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

AAI Figure

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



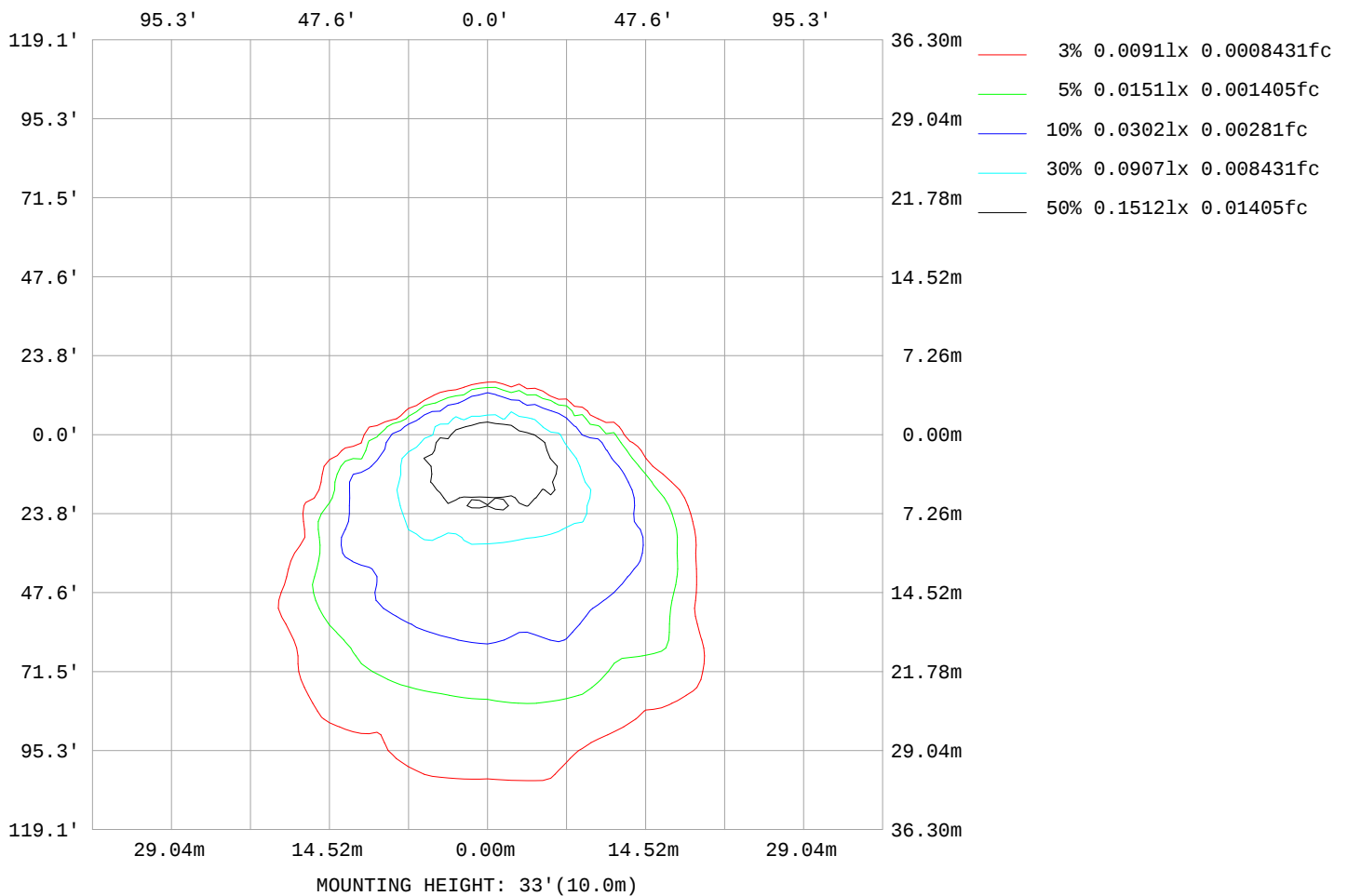
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

ISOLUX DIAGRAM

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

LED Avg.L Report

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm		
NAME: ASD-EML-LP-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001b-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

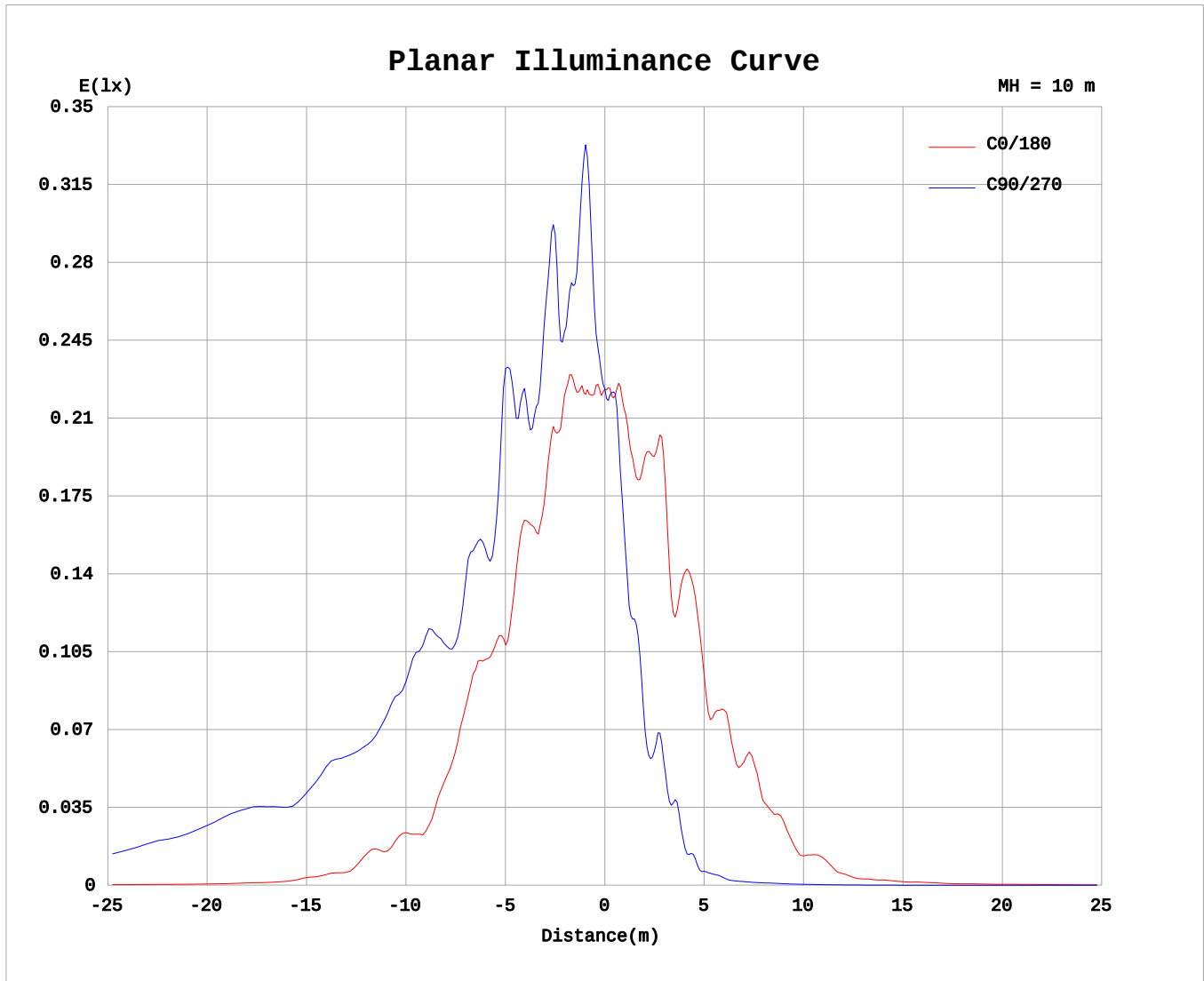
AvgL	cd/m2
L_0~180(65)av	13
L_0~180(75)av	13
L_0~180(85)av	21
L_90~270(65)av	342
L_90~270(75)av	612
L_90~270(85)av	1335
L_45(65)av	319
L_45(75)av	293
L_45(85)av	558

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date:
Stability time: 0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks: Stability time: 0 s

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm																		
NAME: ASD-EML-LP-W									TYPE:					WEIGHT:				
SPEC.: 4000K									DIM.:					SERIAL No.: s26010001b-01				
MFR.: ASD Lighting Corp									SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
5	22.5	23.6	24.9	25.8	26.2	27.0	28.1	30.0	31.7	33.1	32.6	31.5	28.9	26.3	24.5	23.9	22.2	21.5	22.1
10	24.0	26.5	25.9	27.4	29.6	29.0	28.5	29.3	28.7	28.0	28.7	28.5	29.2	28.8	29.4	28.1	25.4	25.1	19.1
15	22.5	21.8	24.2	28.6	28.4	27.3	31.8	31.8	31.3	32.6	32.5	29.4	30.5	24.4	28.5	28.4	22.5	20.3	22.0
20	19.5	26.1	30.4	30.0	31.4	25.0	32.3	28.6	28.6	24.8	26.6	29.7	29.6	23.1	28.3	25.1	26.4	20.5	14.9
25	16.7	24.1	24.7	31.3	28.7	26.0	30.7	28.1	26.5	30.4	25.8	27.1	28.3	26.5	26.4	27.3	22.2	22.2	16.4
30	15.8	19.3	24.4	29.7	27.7	27.9	29.4	22.4	23.5	22.4	22.4	24.2	27.9	27.5	27.0	24.5	23.0	17.9	12.1
35	14.6	20.4	25.7	30.1	28.9	26.1	32.7	24.5	29.2	24.9	27.0	25.4	31.0	26.2	27.7	23.6	24.7	15.2	10.1
40	8.76	16.8	23.7	27.4	34.3	32.5	29.8	28.0	25.0	24.9	25.1	25.4	25.9	29.0	32.4	25.3	21.1	15.8	7.42
45	6.69	17.2	18.7	30.3	31.6	30.0	30.8	26.8	24.9	25.9	26.3	22.5	32.9	28.8	27.7	23.5	13.1	7.72	3.74
50	5.51	9.67	18.0	23.9	35.4	30.5	29.1	22.9	25.8	23.9	27.1	28.0	30.7	28.9	28.3	15.2	14.2	4.85	2.03
55	2.25	6.28	14.9	23.3	32.6	35.1	29.1	27.5	27.0	26.3	22.6	23.8	29.7	28.3	28.8	18.1	10.9	5.31	1.18
60	0.96	3.65	12.2	18.8	30.8	27.3	25.6	27.5	24.9	28.4	25.0	29.1	30.6	19.9	24.1	14.9	7.09	2.07	0.66
65	0.60	2.30	7.33	14.1	25.1	33.3	29.4	34.9	29.9	28.9	28.5	29.7	24.7	26.9	18.8	9.57	4.66	1.01	0.52
70	0.47	1.19	5.73	11.0	17.5	30.3	25.6	29.5	29.0	27.4	30.6	25.5	32.1	22.1	13.7	5.55	2.50	0.87	0.39
75	0.38	0.63	2.30	8.81	10.8	22.0	28.5	26.3	34.9	31.7	33.6	28.9	22.7	15.1	12.9	4.20	1.28	0.53	0.30
80	0.28	0.53	1.05	3.90	12.0	15.7	25.8	29.7	31.5	29.3	23.3	26.3	16.6	12.2	8.90	3.12	0.80	0.39	0.22
85	0.21	0.41	0.64	2.03	7.02	13.4	14.1	21.4	23.4	23.2	23.4	18.9	12.0	13.1	4.19	1.06	0.52	0.31	0.16
90	0.14	0.29	0.51	0.91	3.45	7.21	14.2	14.4	16.6	17.2	17.3	10.9	10.9	3.91	1.89	0.68	0.43	0.23	0.11
95	0.10	0.20	0.36	0.58	1.18	4.47	8.90	8.61	12.1	12.0	8.66	8.17	5.20	2.45	0.80	0.50	0.30	0.16	0.08
100	0.08	0.13	0.26	0.44	0.70	1.45	3.77	6.58	6.00	7.42	5.75	5.19	3.62	1.11	0.57	0.37	0.21	0.10	0.06
105	0.06	0.09	0.18	0.31	0.49	0.73	1.78	4.74	7.28	4.07	5.01	2.55	1.10	0.59	0.45	0.27	0.14	0.07	0.05
110	0.04	0.06	0.12	0.24	0.38	0.49	0.92	1.09	1.53	1.68	1.42	0.83	0.68	0.44	0.33	0.20	0.10	0.05	0.04
115	0.03	0.04	0.08	0.16	0.25	0.34	0.50	0.60	0.68	0.73	0.60	0.50	0.43	0.31	0.21	0.12	0.06	0.03	0.02
120	0.01	0.03	0.05	0.10	0.17	0.24	0.34	0.37	0.43	0.39	0.41	0.35	0.30	0.21	0.14	0.07	0.03	0.02	0.01
125	0.01	0.01	0.03	0.06	0.11	0.16	0.22	0.26	0.30	0.27	0.28	0.24	0.20	0.14	0.07	0.04	0.01	0.01	0.00
130	0.00	0.00	0.01	0.03	0.05	0.09	0.13	0.16	0.18	0.18	0.18	0.15	0.13	0.10	0.05	0.01	0.00	0.00	0.00
135	0.00	0.00	0.00	0.01	0.03	0.05	0.08	0.09	0.10	0.11	0.10	0.08	0.07	0.04	0.02	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.06	0.05	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	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	0.00	0.00	0.00
155	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	0.00	0.00	0.00
160	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	0.00	0.00	0.00
165	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	0.00	0.00	0.00
170	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	0.00	0.00	0.00
175	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	0.00	0.00	0.00
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	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.2000V I:0.1815A P:0.7600W PF:0.0000 Freq:0Hz Lamp Flux:69.1042x1 lm																	
NAME: ASD-EML-LP-W									TYPE:			WEIGHT:					
SPEC.: 4000K									DIM.:			SERIAL No.: s26010001b-01					
MFR.: ASD Lighting Corp									SUR.:			Shielding Angle:					

Table--2

UNIT: cd

C (DEG) γ (DEG)	C (DEG)																			
	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350			
0	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3			
5	21.6	20.6	21.2	21.9	20.0	17.2	15.8	15.3	17.6	19.0	20.3	21.2	20.3	19.2	18.2	18.9	20.9			
10	17.1	17.6	16.2	14.0	11.3	9.54	10.3	13.1	10.9	9.16	10.5	11.0	11.0	13.7	18.6	17.8	20.5			
15	18.5	11.0	9.95	8.53	7.16	5.26	7.16	6.52	7.61	5.87	6.37	7.48	10.5	11.7	11.3	14.5	17.3			
20	12.5	10.7	9.29	6.65	4.19	4.80	3.77	4.11	4.51	3.69	4.75	3.45	5.17	7.88	9.46	12.0	14.6			
25	13.4	7.10	3.53	2.86	1.92	1.59	1.33	1.00	1.23	1.48	1.36	1.74	2.82	2.85	5.41	10.2	14.5			
30	7.27	4.98	2.03	1.56	0.96	0.63	0.54	0.62	0.67	0.54	0.59	0.85	0.99	2.29	2.67	7.38	8.68			
35	4.49	1.80	0.92	0.64	0.51	0.41	0.32	0.30	0.30	0.30	0.39	0.44	0.56	0.71	1.44	3.32	7.33			
40	1.88	0.88	0.59	0.43	0.34	0.28	0.21	0.21	0.22	0.22	0.25	0.30	0.37	0.49	0.67	1.69	3.87			
45	1.22	0.60	0.44	0.32	0.23	0.17	0.14	0.13	0.13	0.13	0.16	0.20	0.28	0.36	0.50	0.73	1.99			
50	0.72	0.47	0.33	0.21	0.15	0.10	0.08	0.08	0.08	0.08	0.09	0.13	0.20	0.26	0.38	0.55	1.21			
55	0.54	0.35	0.23	0.14	0.09	0.06	0.04	0.03	0.04	0.05	0.05	0.08	0.12	0.19	0.31	0.43	0.65			
60	0.44	0.28	0.18	0.10	0.06	0.05	0.02	0.02	0.02	0.03	0.04	0.06	0.08	0.13	0.21	0.35	0.47			
65	0.34	0.21	0.11	0.08	0.05	0.04	0.01	0.00	0.01	0.02	0.03	0.05	0.08	0.11	0.16	0.26	0.38			
70	0.23	0.14	0.10	0.07	0.04	0.02	0.00	0.00	0.01	0.01	0.03	0.03	0.06	0.09	0.13	0.17	0.28			
75	0.17	0.11	0.07	0.07	0.03	0.01	0.00	0.00	0.02	0.02	0.02	0.03	0.06	0.09	0.10	0.14	0.20			
80	0.12	0.10	0.06	0.05	0.02	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.05	0.09	0.08	0.12	0.15			
85	0.09	0.08	0.06	0.03	0.01	0.01	0.00	0.00	0.03	0.03	0.02	0.02	0.04	0.07	0.07	0.09	0.11			
90	0.08	0.06	0.04	0.02	0.01	0.00	0.00	0.01	0.03	0.03	0.02	0.02	0.02	0.04	0.06	0.07	0.08			
95	0.06	0.05	0.02	0.01	0.00	0.00	0.01	0.01	0.03	0.03	0.03	0.02	0.02	0.03	0.04	0.06	0.07			
100	0.05	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.05	0.07			
105	0.05	0.02	0.01	0.00	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.04	0.04			
110	0.03	0.02	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.03	0.04			
115	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.02			
120	0.00	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.01	0.01			
125	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01			
155	0.00	0.00	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	0.01	0.01			
160	0.00	0.00	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	0.01			
165	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	0.00			
170	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	0.00			
175	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	0.00			
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	0.00			

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:
Stability time:0 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R3000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: Stability time:0 s