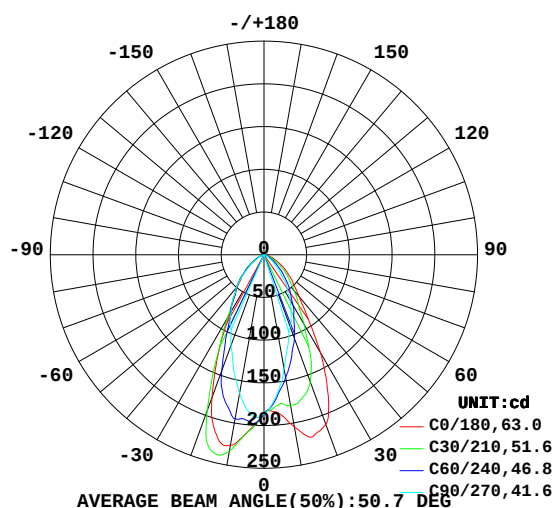


LUMINAIRE PHOTOMETRIC TEST REPORT

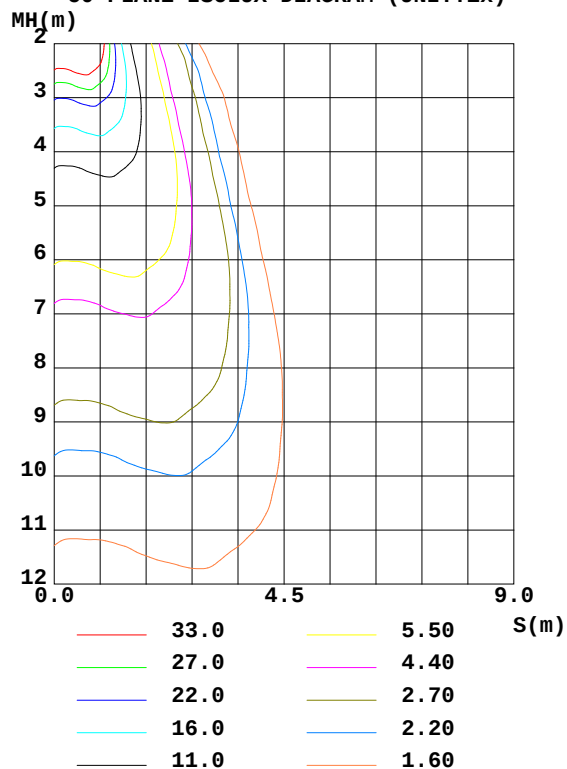
Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.88 lm/W			
MODEL	ASD-EML-2RL-W	I _{max} (cd)	244.1	S/MH(C0/180)	0.86
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	4.01	TOTAL FLUX(lm)	215.92	η UP, DN(C0-180)	0.2, 45.0
NOMINAL FLUX(lm)	215.92	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 54.6
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	4.01	η down(%)	99.7	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.900m [K=1.3161]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

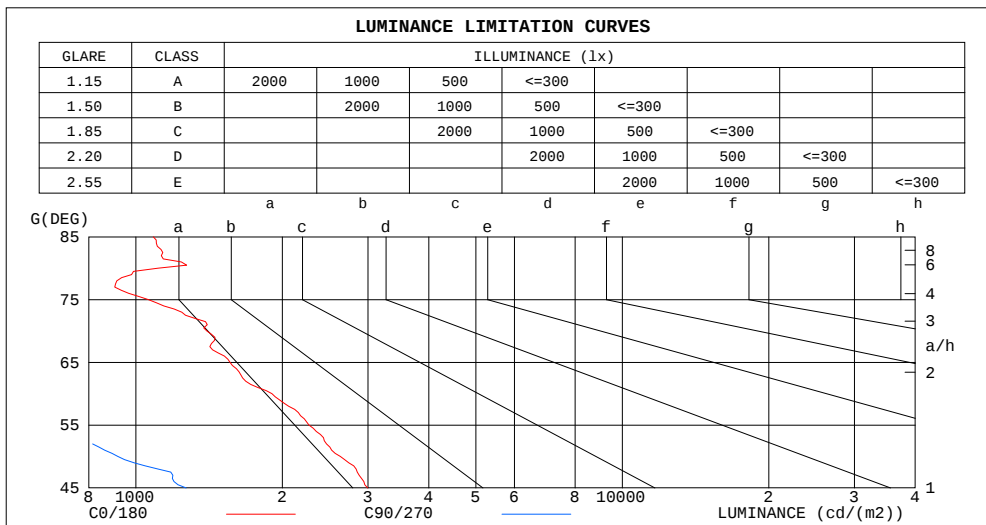
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	204.7	162.0	135.7	172.8	226.3	214.3	164.8	185.5	0- 10	17.69	17.69	8.19, 8.19
20	211.4	124.9	89.68	109.6	178.4	172.5	113.2	166.5	10- 20	47.32	65.01	30.1, 30.1
30	131.8	76.51	60.85	65.99	80.74	82.02	77.41	100.1	20- 30	51.86	116.9	54.1, 54.1
40	64.07	48.12	33.43	38.73	48.58	49.75	50.90	60.33	30- 40	40.47	157.3	72.9, 72.9
50	39.14	27.06	15.13	16.99	27.76	27.07	25.60	33.61	40- 50	28.81	186.1	86.2, 86.2
60	22.03	13.40	5.738	6.434	12.94	12.08	10.07	15.68	50- 60	17.06	203.2	94.1, 94.1
70	11.07	4.675	1.588	1.984	4.731	3.646	3.433	5.796	60- 70	7.935	211.1	97.8, 97.8
80	4.461	1.472	0.6562	0.7279	1.340	1.036	1.042	1.830	70- 80	2.987	214.1	99.2, 99.2
90	0.9264	0.5146	0.2123	0.2967	0.4864	0.4104	0.4267	0.6457	80- 90	1.038	215.2	99.7, 99.7
100	0.3703	0.1433	0.1398	0.0941	0.1662	0.1353	0.1635	0.2494	90-100	0.3480	215.5	99.8, 99.8
110	0.1272	0.0750	0.0614	0.0563	0.0934	0.0837	0.0996	0.0930	100-110	0.1260	215.6	99.9, 99.9
120	0.0809	0.0535	0.0272	0.0348	0.0665	0.0492	0.0466	0.0645	110-120	0.0669	215.7	99.9, 99.9
130	0.0558	0.0383	0.0264	0.0367	0.0654	0.0451	0.0386	0.0480	120-130	0.0410	215.7	99.9, 99.9
140	0.0509	0.0457	0.0450	0.0500	0.1033	0.0818	0.0598	0.0681	130-140	0.0409	215.8	99.9, 99.9
150	0.0579	0.0630	0.0717	0.0706	0.1201	0.1131	0.0953	0.0936	140-150	0.0460	215.8	100, 100
160	0.0766	0.0841	0.0976	0.0916	0.1143	0.1179	0.1183	0.1088	150-160	0.0433	215.9	100, 100
170	0.0947	0.1033	0.1165	0.1066	0.1255	0.1249	0.1367	0.1353	160-170	0.0313	215.9	100, 100
180	0.1292	0.1268	0.1347	0.1414	0.1344	0.1282	0.1333	0.1428	170-180	0.0119	215.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1086	166
80	1110	147
75	1060	160
70	1399	181
65	1561	285
60	1904	448
55	2269	627
50	2631	918
45	2997	1269

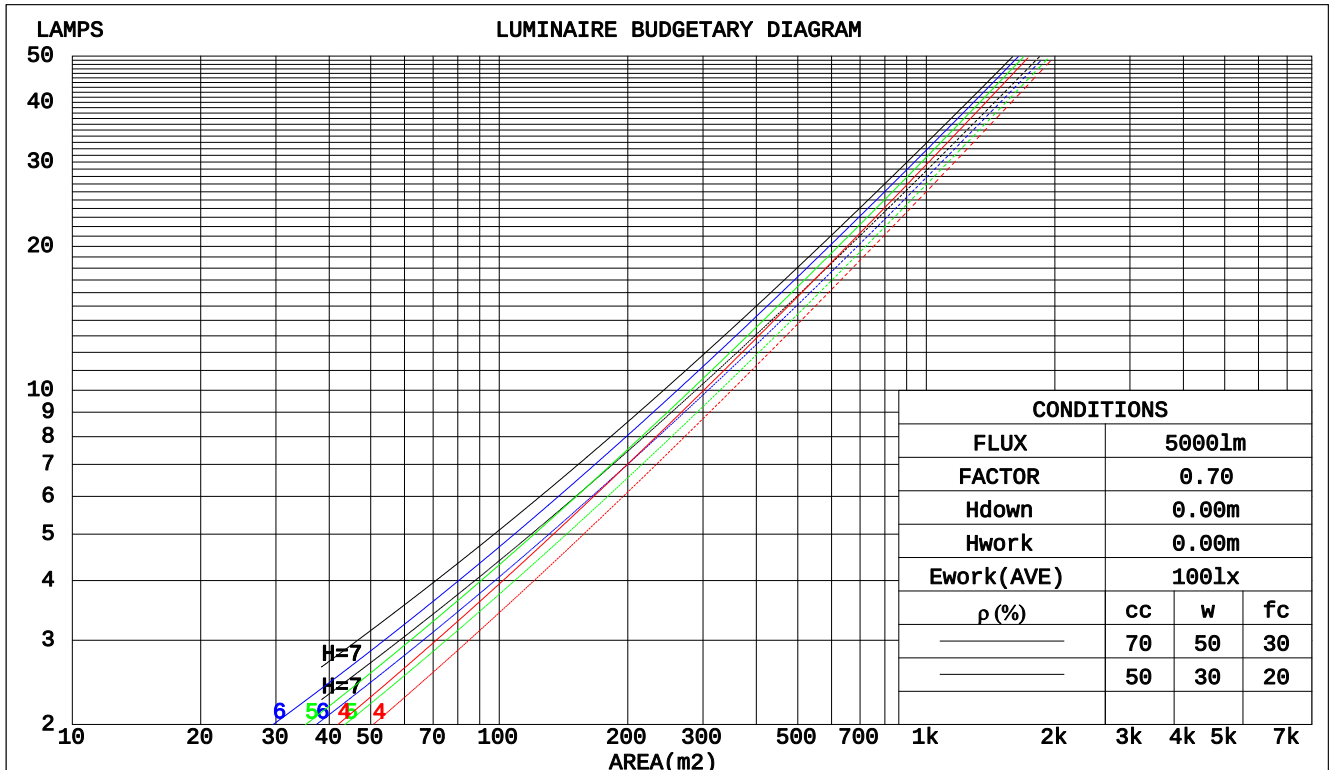
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-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: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

WEC AND CCEC

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm					
NAME: ASD-EML-2RS-W			TYPE:		WEIGHT:
SPEC.:4000K			DIM.:		SERIAL No.:s25050020d-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	.218	.124	.039	.211	.120	.038	.198	.113	.036	.186	.107	.034	.175	.101	.033	
2.0	.209	.115	.035	.203	.112	.034	.192	.107	.033	.182	.102	.032	.172	.097	.031	
3.0	.198	.105	.032	.193	.103	.031	.183	.099	.030	.174	.096	.029	.166	.092	.028	
4.0	.187	.097	.029	.183	.096	.028	.174	.092	.028	.166	.089	.027	.159	.086	.026	
5.0	.177	.090	.026	.173	.089	.026	.165	.086	.025	.158	.084	.025	.152	.081	.024	
6.0	.167	.084	.024	.163	.083	.024	.157	.080	.023	.151	.078	.023	.145	.076	.023	
7.0	.158	.078	.022	.155	.077	.022	.149	.075	.022	.143	.074	.021	.138	.072	.021	
8.0	.150	.073	.021	.147	.072	.020	.142	.071	.020	.137	.069	.020	.132	.068	.020	
9.0	.142	.069	.019	.140	.068	.019	.135	.067	.019	.130	.065	.019	.126	.064	.019	
10.0	.135	.065	.018	.133	.064	.018	.129	.063	.018	.125	.062	.018	.121	.061	.017	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.177	.160	.144	.151	.137	.124	.103	.094	.086	.059	.055	.050	.019	.018	.016	
2.0	.164	.135	.111	.140	.116	.096	.096	.080	.067	.055	.047	.039	.018	.015	.013	
3.0	.153	.117	.087	.131	.101	.076	.090	.070	.053	.052	.041	.031	.017	.013	.010	
4.0	.144	.102	.070	.124	.088	.061	.085	.062	.043	.049	.036	.025	.016	.012	.008	
5.0	.136	.091	.058	.117	.079	.050	.081	.055	.036	.047	.032	.021	.015	.011	.007	
6.0	.129	.082	.049	.111	.071	.042	.077	.050	.030	.044	.029	.018	.014	.010	.006	
7.0	.123	.075	.042	.106	.065	.036	.073	.046	.026	.042	.027	.015	.014	.009	.005	
8.0	.117	.069	.036	.101	.060	.031	.070	.042	.022	.040	.025	.013	.013	.008	.004	
9.0	.111	.064	.032	.096	.055	.028	.067	.039	.020	.039	.023	.012	.013	.008	.004	
10.0	.107	.060	.028	.092	.052	.025	.064	.036	.018	.037	.022	.010	.012	.007	.003	

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm											
NAME: ASD-EML-2RS-W						TYPE:			WEIGHT:		
SPEC.:4000K						DIM.:			SERIAL No.:s25050020d-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		14.6	15.8	14.9	16.0	16.1	10.0	11.2	10.3	11.4	11.6
	3H	15.4	16.4	15.7	16.6	16.9	10.1	11.1	10.3	11.3	11.6
	4H	15.6	16.6	15.9	16.9	17.1	10.0	11.0	10.3	11.3	11.5
	6H	15.8	16.7	16.1	17.0	17.3	10.0	10.9	10.3	11.2	11.4
	8H	15.9	16.8	16.2	17.1	17.4	9.9	10.8	10.3	11.1	11.4
	12H	16.0	16.8	16.3	17.1	17.4	9.9	10.8	10.2	11.1	11.3
4H	2H	14.6	15.6	14.9	15.8	16.0	10.6	11.6	10.9	11.8	12.1
	3H	15.4	16.3	15.8	16.6	16.9	10.7	11.6	11.1	11.9	12.2
	4H	15.8	16.5	16.1	16.8	17.2	10.7	11.5	11.1	11.8	12.1
	6H	16.0	16.7	16.4	17.1	17.4	10.7	11.4	11.1	11.7	12.1
	8H	16.2	16.8	16.6	17.2	17.6	10.7	11.3	11.1	11.7	12.0
	12H	16.3	16.9	16.7	17.3	17.7	10.6	11.2	11.1	11.6	12.0
8H	4H	15.7	16.3	16.1	16.7	17.0	10.8	11.5	11.2	11.8	12.2
	6H	16.0	16.5	16.4	16.9	17.3	10.8	11.4	11.3	11.8	12.2
	8H	16.2	16.7	16.7	17.1	17.5	10.8	11.3	11.3	11.7	12.2
	12H	16.4	16.8	16.9	17.2	17.7	10.8	11.2	11.3	11.7	12.2
12H	4H	15.6	16.2	16.0	16.6	17.0	10.8	11.4	11.2	11.8	12.2
	6H	16.0	16.4	16.4	16.8	17.3	10.9	11.3	11.3	11.8	12.2
	8H	16.2	16.6	16.6	17.0	17.5	10.9	11.3	11.4	11.7	12.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.6					+ 1.3 / - 2.0					
1.5H	+ 0.9 / - 0.9					+ 0.8 / - 1.6					
2.0H	+ 1.4 / - 1.7					+ 1.6 / - 2.7					

CIE Pub.117, 215.9 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -5.3$)

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

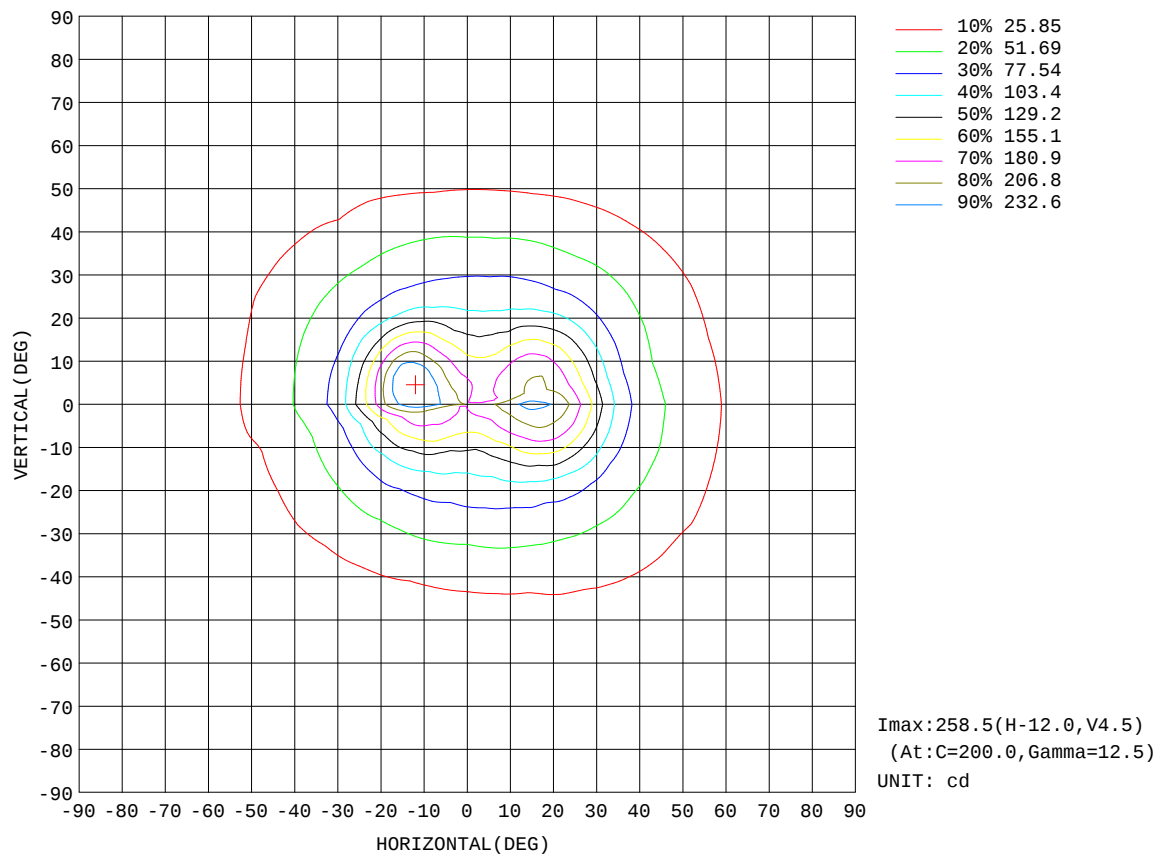
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	66	61	74	66	60	73	65	60	55
0.80	83	75	70	83	75	70	81	74	69	64
1.00	90	82	77	89	82	77	87	82	76	71
1.25	96	88	84	94	88	83	92	86	82	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	97	90
4.00	111	107	104	109	105	103	105	102	100	92
5.00	113	109	107	110	107	105	106	104	102	94
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:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

ISOCANDELA DIAGRAM

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

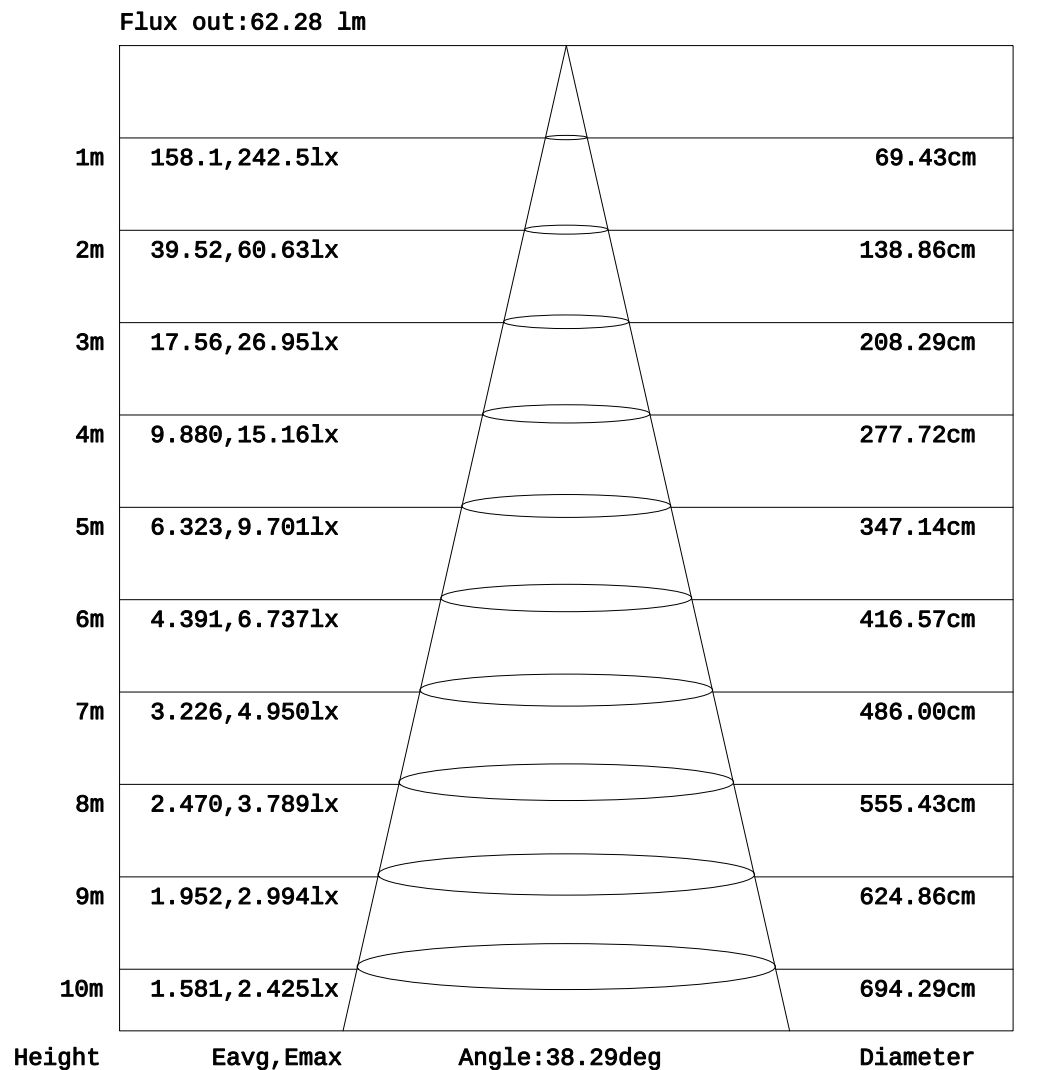


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

AAI Figure

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



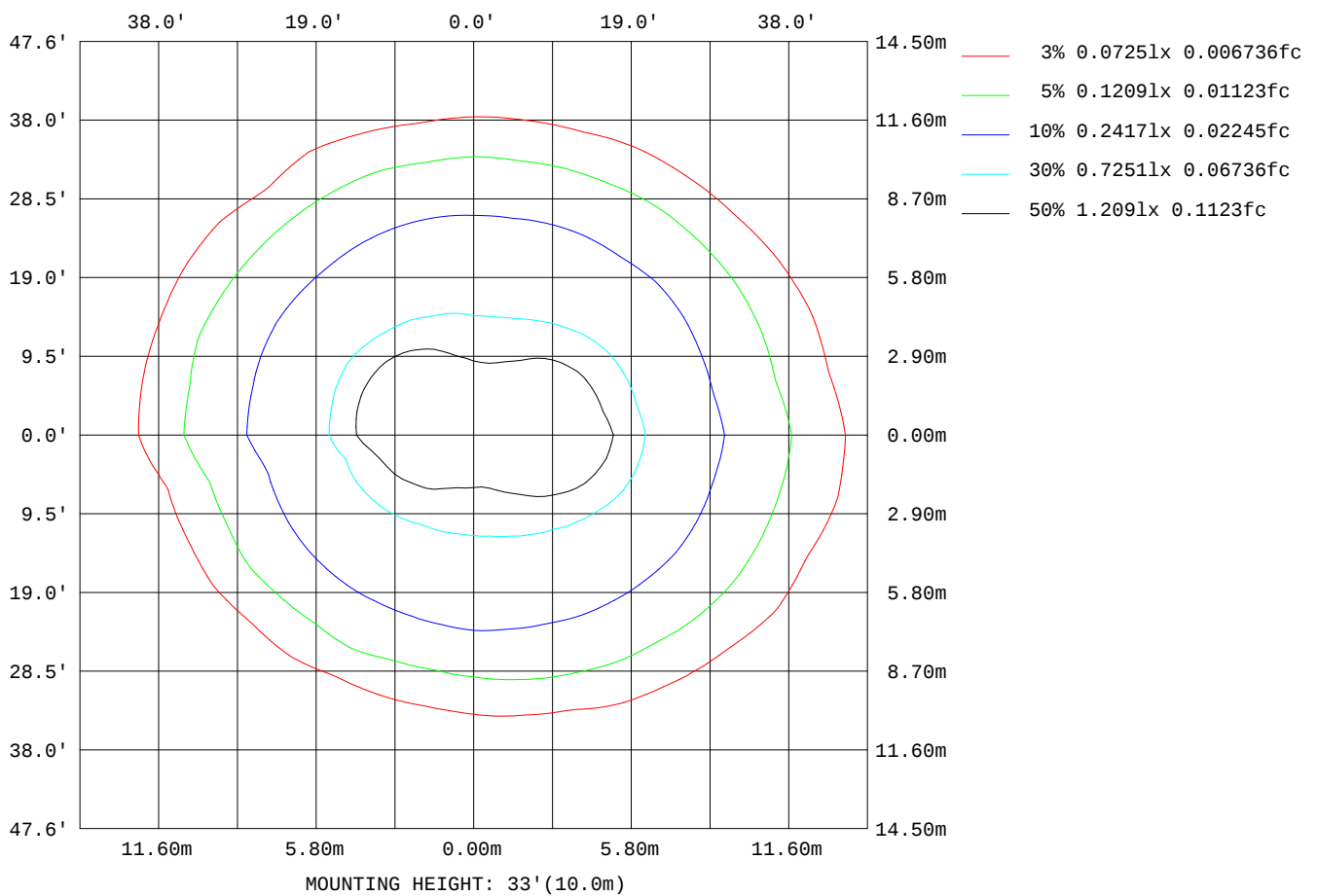
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

ISOLUX DIAGRAM

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

LED Avg.L Report

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

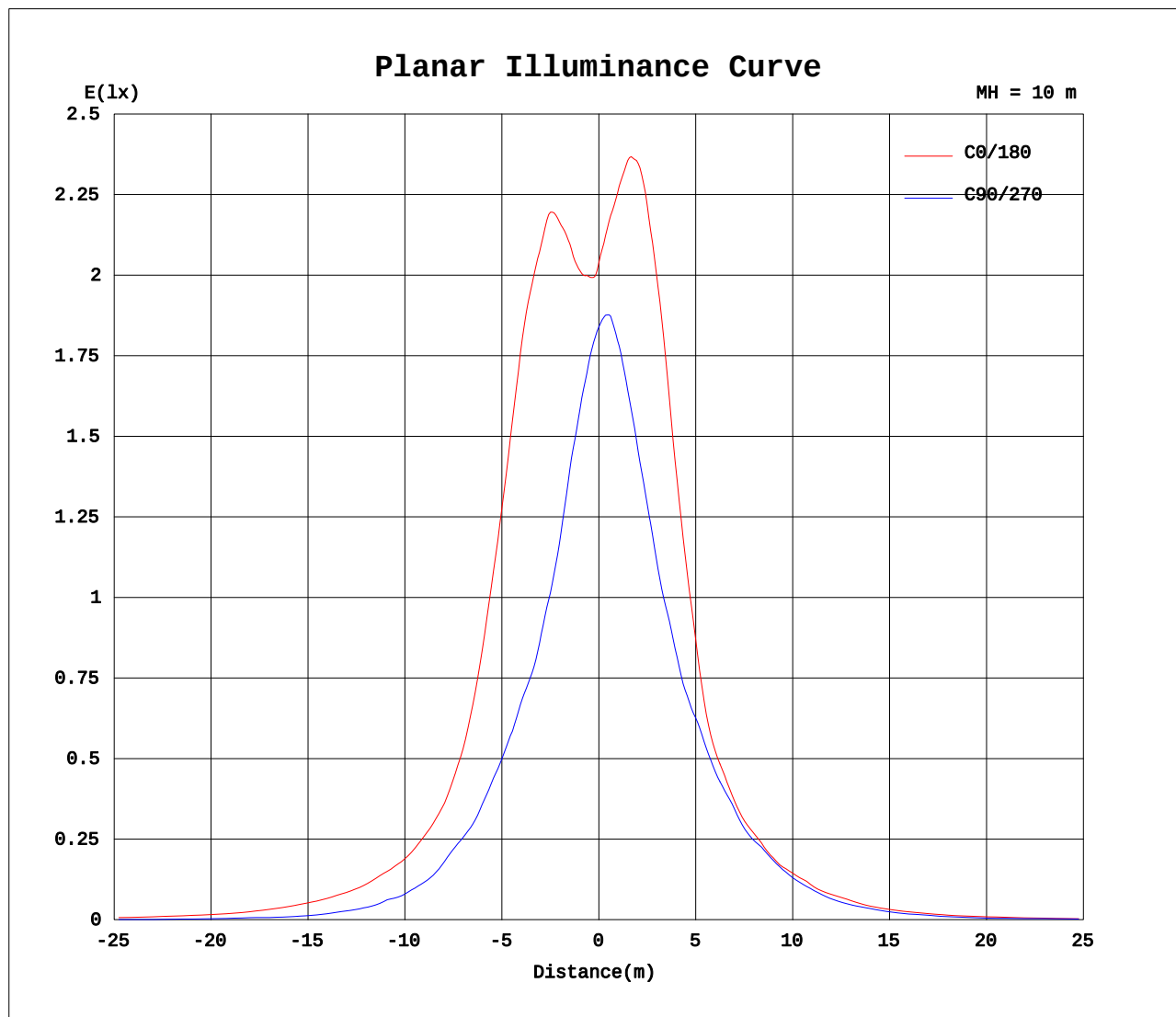
AvgL	cd/m2
L_0~180(65)av	1117
L_0~180(75)av	785
L_0~180(85)av	679
L_90~270(65)av	413
L_90~270(75)av	203
L_90~270(85)av	241
L_45(65)av	677
L_45(75)av	341
L_45(85)av	346

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

Planar Illuminance Curve



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 1.900m [K=1.3161]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020d-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	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
5	186	183	180	178	174	170	168	167	167	166	166	169	175	183	190	196	202	205	207
10	205	196	187	179	168	156	146	137	133	136	139	143	153	167	179	188	203	215	226
15	220	207	192	173	154	137	125	114	112	109	111	117	122	135	147	163	180	196	217
20	211	198	181	158	135	115	104	95.3	91.2	89.7	90.1	92.6	95.2	105	114	127	140	158	178
25	177	168	150	128	105	91.1	82.9	79.1	76.0	75.4	73.2	75.3	77.3	80.4	88.0	94.2	104	110	126
30	132	123	110	94.1	80.3	72.7	67.8	63.5	61.8	60.9	60.2	61.1	61.3	63.9	68.1	72.3	73.6	77.9	80.7
35	88.3	84.4	75.8	70.1	62.6	56.8	53.8	51.1	48.4	47.1	46.0	46.1	47.1	49.4	51.7	54.2	57.6	58.8	61.3
40	64.1	61.5	58.3	55.0	50.2	46.0	42.1	38.5	36.4	33.4	31.6	33.4	35.4	37.1	40.4	41.5	43.2	44.0	48.6
45	49.0	49.1	46.2	42.9	39.4	34.8	31.7	27.0	24.8	23.0	22.3	22.8	23.3	26.1	27.3	31.2	32.3	34.8	37.5
50	39.1	37.7	34.7	32.8	28.6	25.6	21.7	18.7	17.9	15.1	15.0	14.7	14.9	15.8	18.1	21.1	24.5	25.6	27.8
55	30.1	29.3	26.4	24.0	20.5	17.7	14.7	13.4	10.8	9.22	8.51	8.53	9.23	10.8	11.6	12.6	15.9	17.9	19.1
60	22.0	22.2	19.4	15.8	14.0	12.8	9.89	8.04	5.76	5.74	4.95	4.79	5.20	5.91	6.96	8.53	9.80	11.8	12.9
65	15.3	14.5	13.5	11.2	9.11	7.25	6.26	4.66	4.01	3.09	2.78	2.89	3.00	3.42	3.74	4.44	5.78	7.43	8.62
70	11.1	9.89	8.78	6.75	5.11	4.23	3.50	2.83	1.83	1.59	1.47	1.47	1.60	1.85	2.12	2.66	3.29	4.13	4.73
75	6.35	5.87	5.28	3.78	2.83	2.48	1.93	1.39	1.18	1.06	0.95	0.87	0.96	1.15	1.26	1.59	1.97	2.76	3.93
80	4.46	4.29	3.33	2.31	1.60	1.35	1.15	0.85	0.75	0.66	0.60	0.55	0.56	0.65	0.80	0.98	1.28	1.31	1.34
85	2.19	1.80	1.68	1.27	1.02	0.76	0.62	0.51	0.43	0.37	0.33	0.32	0.35	0.41	0.50	0.61	0.72	0.81	0.80
90	0.93	1.00	0.99	0.74	0.57	0.46	0.35	0.29	0.22	0.21	0.18	0.18	0.22	0.27	0.33	0.39	0.44	0.48	0.49
95	0.60	0.63	0.57	0.44	0.33	0.25	0.20	0.16	0.15	0.15	0.14	0.13	0.13	0.14	0.17	0.20	0.21	0.26	0.32
100	0.37	0.35	0.31	0.21	0.16	0.13	0.11	0.11	0.12	0.14	0.12	0.11	0.10	0.10	0.09	0.09	0.10	0.12	0.17
105	0.20	0.17	0.13	0.10	0.09	0.08	0.09	0.09	0.09	0.10	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.11
110	0.13	0.10	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.08	0.09
115	0.09	0.09	0.08	0.09	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.08
120	0.08	0.07	0.07	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.07
125	0.06	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06
130	0.06	0.06	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.07
135	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.09
140	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.10
145	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.11
150	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.12
155	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.12
160	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.11
165	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.12
170	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.13
175	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13
180	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.0100V I:0.5860A P:2.3500W PF:0.0000 Freq:0Hz Lamp Flux:215.92x1 lm																	
NAME: ASD-EML-2RS-W									TYPE:						WEIGHT:		
SPEC.:4000K									DIM.:						SERIAL No.:s25050020d-01		
MFR.: ASD Lighting Corp									SUR.:						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)																		
	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
0	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	
5	208	209	207	204	200	196	193	189	187	185	184	183	183	184	185	186	185	
10	235	238	233	220	208	195	181	171	165	164	166	170	179	192	201	204	206	
15	233	237	238	222	198	177	159	146	138	136	144	155	172	194	211	219	223	
20	190	196	195	181	164	145	129	117	113	114	119	130	154	179	197	213	215	
25	129	132	128	121	110	104	96.2	94.3	92.1	93.1	96.5	107	123	142	163	175	183	
30	85.9	86.4	85.8	83.7	80.4	77.3	76.4	76.2	77.4	78.9	83.7	87.6	92.8	107	121	131	137	
35	62.6	64.1	63.8	64.4	62.8	60.2	61.5	62.9	63.3	67.3	67.1	69.9	74.9	80.9	87.3	92.3	94.7	
40	48.9	50.3	51.0	50.2	49.2	50.1	49.8	49.8	50.9	50.8	53.1	55.9	57.9	62.8	65.2	66.7	68.1	
45	37.7	39.0	40.2	38.3	38.7	38.1	37.7	36.7	37.5	37.9	40.1	41.6	46.1	49.3	51.2	52.7	51.6	
50	28.9	28.9	28.8	28.3	25.9	28.3	26.5	25.1	25.6	26.4	27.6	30.7	32.3	35.0	38.1	40.3	40.4	
55	21.7	21.7	21.1	18.9	19.1	19.0	17.3	16.6	17.1	17.1	17.7	19.5	22.9	25.2	28.0	31.6	31.1	
60	13.0	13.8	13.2	11.8	12.4	11.4	10.6	9.76	10.07	10.00	11.0	11.8	14.4	17.0	20.8	23.0	22.5	
65	8.74	8.69	7.91	7.53	6.91	6.54	6.36	5.66	5.75	6.02	6.17	7.37	9.06	11.1	13.1	14.6	15.9	
70	5.04	5.19	4.34	3.78	3.51	3.36	3.73	3.76	3.43	3.40	3.44	4.25	5.12	6.47	7.78	9.99	11.6	
75	3.81	2.71	2.34	1.95	1.85	1.71	1.76	1.63	1.60	1.65	1.83	2.35	2.86	3.66	4.67	6.20	6.64	
80	1.63	1.60	1.29	1.08	0.99	0.93	0.92	1.02	1.04	1.03	1.16	1.32	1.61	2.05	2.75	3.63	4.15	
85	0.86	0.85	0.77	0.68	0.61	0.54	0.57	0.64	0.69	0.67	0.68	0.83	1.00	1.19	1.54	2.07	2.55	
90	0.52	0.53	0.48	0.43	0.39	0.35	0.33	0.35	0.43	0.40	0.42	0.48	0.57	0.72	0.90	1.11	1.17	
95	0.31	0.29	0.28	0.25	0.24	0.23	0.20	0.19	0.26	0.21	0.26	0.32	0.38	0.47	0.57	0.67	0.70	
100	0.16	0.14	0.13	0.13	0.14	0.13	0.14	0.16	0.16	0.15	0.16	0.19	0.22	0.27	0.32	0.37	0.39	
105	0.10	0.09	0.09	0.09	0.09	0.10	0.11	0.13	0.16	0.14	0.12	0.12	0.13	0.14	0.16	0.19	0.21	
110	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.11	0.11	
115	0.08	0.08	0.07	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.08	0.09	0.09	0.10	0.09	
120	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.08	0.08	0.08	
125	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	
130	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	
135	0.08	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	
140	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	
145	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	
150	0.12	0.12	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	
155	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
160	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	
165	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	
170	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	
175	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	
180	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks: