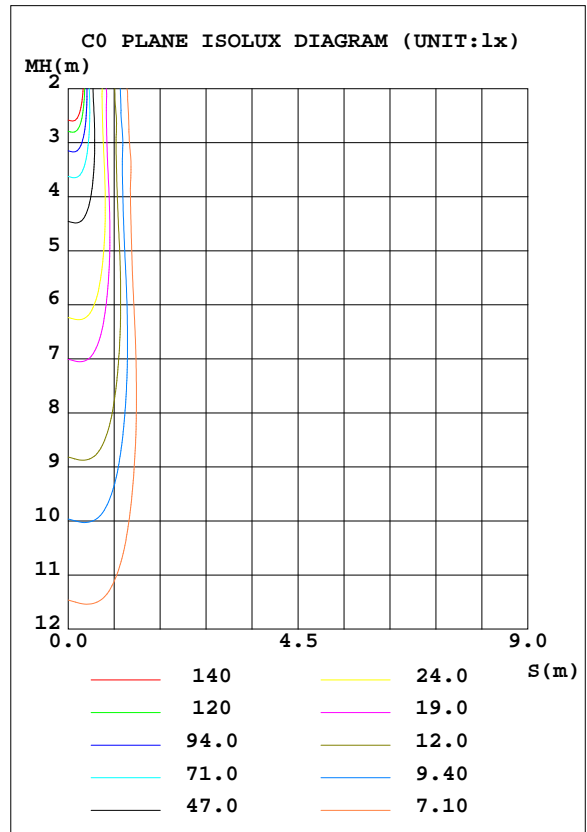
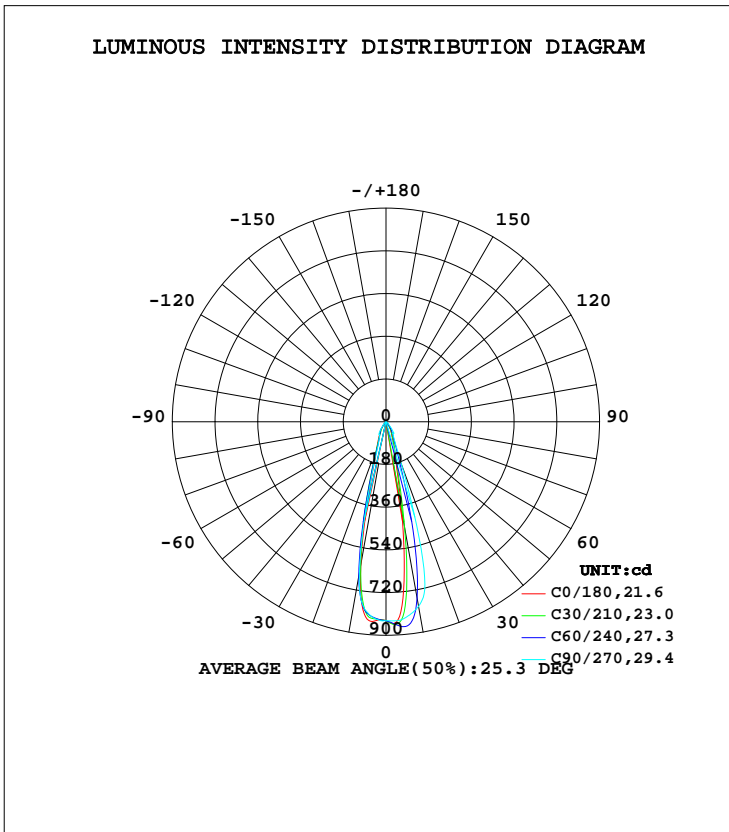


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RS-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.61 lm/W			
MODEL	ASD-EML-2RS-W	I _{max} (cd)	866.8	S/MH(C0/180)	0.37
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	4.02	TOTAL FLUX(lm)	225.07	η UP, DN(C0-180)	0.1,55.0
NOMINAL FLUX(lm)	225.074	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1,44.7
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	4.02	η down(%)	99.8	CIBSE SHR MAX	1.00



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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

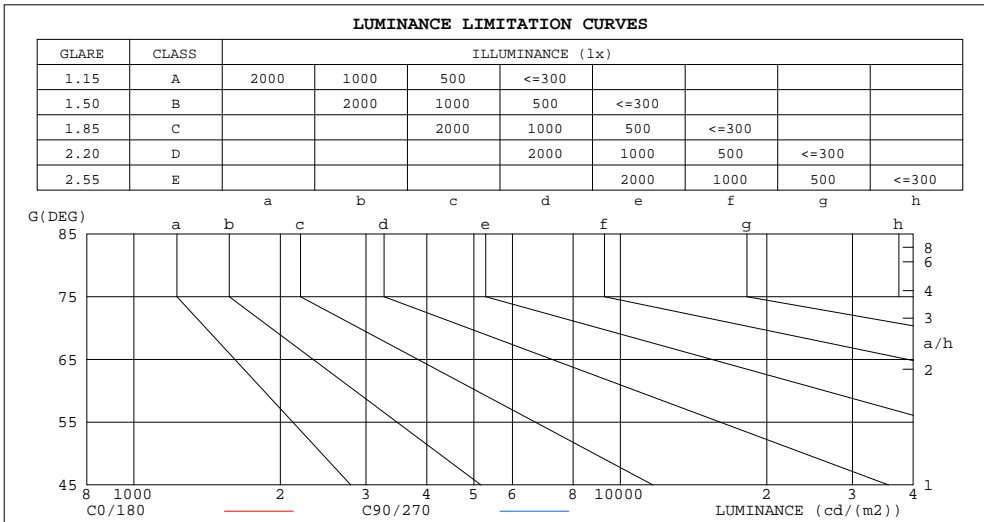
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	383.1	593.9	790.5	797.6	612.8	640.7	648.1	544.0	0- 10	72.47	72.47	32.2,32.2
20	87.84	110.4	195.0	179.2	110.0	104.0	92.64	95.75	10- 20	86.34	158.8	70.6,70.6
30	39.16	42.32	57.39	55.60	46.61	41.94	59.92	40.58	20- 30	33.30	192.1	85.4,85.4
40	8.859	13.21	34.35	19.52	14.76	11.23	19.50	12.07	30- 40	19.92	212.0	94.2,94.2
50	2.584	3.376	11.56	4.462	2.982	3.375	5.123	3.217	40- 50	6.935	219.0	97.3,97.3
60	1.536	2.031	2.861	2.313	1.778	1.960	2.192	1.867	50- 60	2.631	221.6	98.5,98.5
70	0.8358	1.191	1.762	1.444	0.9825	1.106	1.398	1.050	60- 70	1.594	223.2	99.2,99.2
80	0.4365	0.6437	0.9934	0.7619	0.5056	0.5194	0.6395	0.4928	70- 80	0.9586	224.2	99.6,99.6
90	0.0600	0.2625	0.3895	0.3195	0.0598	0.1954	0.2808	0.1830	80- 90	0.4406	224.6	99.8,99.8
100	0.0200	0.1027	0.2125	0.1232	0.0266	0.0744	0.1140	0.0827	90-100	0.1656	224.8	99.9,99.9
110	0.0094	0.0268	0.0729	0.0373	0.0117	0.0268	0.0549	0.0317	100-110	0.0592	224.8	99.9,99.9
120	0.0044	0.0095	0.0360	0.0165	0.0062	0.0119	0.0360	0.0153	110-120	0.0230	224.8	99.9,99.9
130	0.0096	0.0098	0.0265	0.0112	0.0133	0.0175	0.0361	0.0229	120-130	0.0136	224.9	99.9,99.9
140	0.0384	0.0317	0.0342	0.0278	0.0536	0.0729	0.1043	0.0950	130-140	0.0274	224.9	99.9,99.9
150	0.0938	0.0783	0.0702	0.0714	0.1394	0.1620	0.1807	0.1842	140-150	0.0550	224.9	99.9,99.9
160	0.1380	0.1306	0.1197	0.1180	0.2096	0.2150	0.2022	0.2016	150-160	0.0682	225.0	100,100
170	0.1536	0.1473	0.1363	0.1329	0.2075	0.1988	0.1780	0.1699	160-170	0.0483	225.1	100,100
180	0.1483	0.1509	0.1501	0.1350	0.1531	0.1506	0.1463	0.1362	170-180	0.0149	225.1	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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	101	208
80	78	158
75	75	150
70	76	142
65	84	142
60	96	158
55	109	244
50	125	496
45	172	699

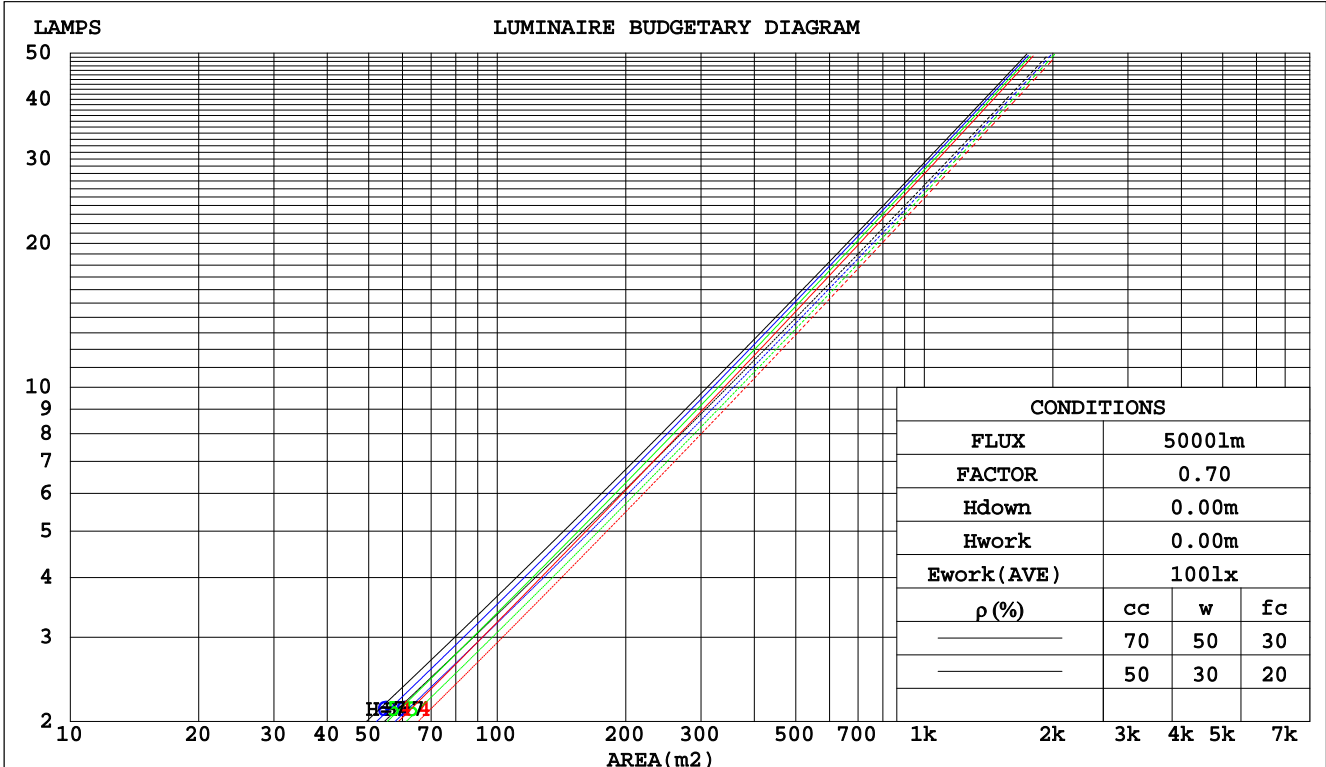
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-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:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.99	.97	.98	.96	.94	.95	.94	.92	.91
3.0	1.01	.97	.93	.99	.96	.93	.97	.94	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.96	.92	.88	.95	.91	.88	.93	.89	.87	.91	.88	.86	.89	.87	.85	.83
5.0	.92	.87	.84	.91	.87	.84	.89	.86	.83	.88	.85	.82	.86	.84	.81	.80
6.0	.88	.84	.80	.88	.83	.80	.86	.82	.79	.85	.82	.79	.84	.81	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.80	.77	.74	.80	.76	.73	.79	.76	.73	.72
9.0	.79	.75	.72	.79	.74	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



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 GO-R5000_V2 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:1.900m [K=1.3161]
Remarks:

WEC AND CCEC

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.152	.087	.027	.146	.083	.026	.133	.076	.024	.122	.070	.023	.111	.064	.021	
2.0	.142	.078	.024	.137	.075	.023	.126	.070	.022	.116	.065	.020	.108	.061	.019	
3.0	.133	.071	.021	.128	.069	.021	.119	.065	.020	.111	.061	.019	.104	.057	.018	
4.0	.125	.065	.019	.121	.063	.019	.113	.060	.018	.106	.057	.017	.100	.054	.017	
5.0	.117	.060	.017	.114	.058	.017	.108	.056	.016	.102	.054	.016	.096	.051	.015	
6.0	.111	.056	.016	.108	.055	.016	.102	.052	.015	.097	.051	.015	.092	.049	.014	
7.0	.105	.052	.015	.103	.051	.015	.098	.049	.014	.093	.048	.014	.089	.046	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.045	.013	.086	.044	.013	
9.0	.095	.046	.013	.093	.046	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012	
10.0	.091	.044	.012	.089	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.012	

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.171	.159	.148	.146	.137	.128	.100	.094	.088	.058	.054	.051	.018	.018	.017	
2.0	.154	.134	.118	.132	.116	.102	.090	.080	.071	.052	.047	.042	.017	.015	.014	
3.0	.140	.115	.095	.120	.099	.083	.082	.069	.058	.047	.040	.034	.015	.013	.011	
4.0	.128	.100	.079	.110	.086	.068	.075	.060	.048	.044	.035	.028	.014	.011	.009	
5.0	.118	.088	.066	.101	.076	.057	.070	.053	.040	.040	.031	.024	.013	.010	.008	
6.0	.109	.078	.056	.094	.068	.048	.065	.047	.034	.038	.028	.020	.012	.009	.007	
7.0	.102	.070	.048	.088	.061	.042	.060	.042	.029	.035	.025	.018	.011	.008	.006	
8.0	.095	.063	.041	.082	.055	.036	.057	.039	.026	.033	.023	.015	.011	.007	.005	
9.0	.090	.058	.036	.077	.050	.032	.054	.035	.022	.031	.021	.013	.010	.007	.004	
10.0	.085	.053	.032	.073	.046	.028	.051	.032	.020	.030	.019	.012	.010	.006	.004	

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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm										
NAME: ASD-EML-2RL-W					TYPE:			WEIGHT:		
SPEC.:4000K					DIM.:			SERIAL No.:s25050020c-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	0.3	1.1	0.6	1.2	1.4	4.0	4.8	4.3	4.9	5.1
3H	0.5	1.2	0.8	1.4	1.6	4.2	4.9	4.5	5.1	5.3
4H	0.6	1.3	0.9	1.5	1.7	4.3	5.0	4.6	5.2	5.4
6H	0.7	1.4	1.0	1.6	1.8	4.5	5.1	4.8	5.4	5.6
8H	0.8	1.4	1.1	1.6	1.9	4.6	5.2	4.9	5.4	5.7
12H	0.9	1.4	1.2	1.7	2.0	4.7	5.3	5.0	5.5	5.8
4H 2H	0.4	1.0	0.7	1.3	1.5	3.9	4.6	4.2	4.8	5.0
3H	0.7	1.3	1.0	1.5	1.8	4.2	4.7	4.5	5.0	5.3
4H	0.9	1.4	1.2	1.7	2.0	4.4	4.9	4.7	5.2	5.5
6H	1.1	1.6	1.5	1.9	2.2	4.6	5.1	5.0	5.4	5.8
8H	1.2	1.6	1.6	2.0	2.3	4.8	5.2	5.2	5.6	5.9
12H	1.3	1.7	1.7	2.1	2.5	5.0	5.4	5.4	5.7	6.1
8H 4H	1.0	1.4	1.4	1.8	2.1	4.3	4.8	4.7	5.1	5.5
6H	1.3	1.7	1.8	2.1	2.5	4.7	5.0	5.1	5.4	5.8
8H	1.5	1.8	2.0	2.3	2.7	4.9	5.2	5.4	5.6	6.1
12H	1.7	2.0	2.2	2.4	2.9	5.2	5.5	5.7	5.9	6.4
12H 4H	1.0	1.4	1.4	1.8	2.2	4.3	4.7	4.7	5.1	5.4
6H	1.4	1.7	1.8	2.1	2.6	4.6	5.0	5.1	5.4	5.8
8H	1.6	1.9	2.1	2.4	2.8	4.9	5.2	5.4	5.6	6.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 1.6					+ 2.9 / - 2.7				
1.5H	+ 2.9 / - 1.4					+ 4.5 / - 3.3				
2.0H	+ 0.6 / - 0.5					+ 4.3 / - 1.8				

CIE Pub.117, 225.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.2)

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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

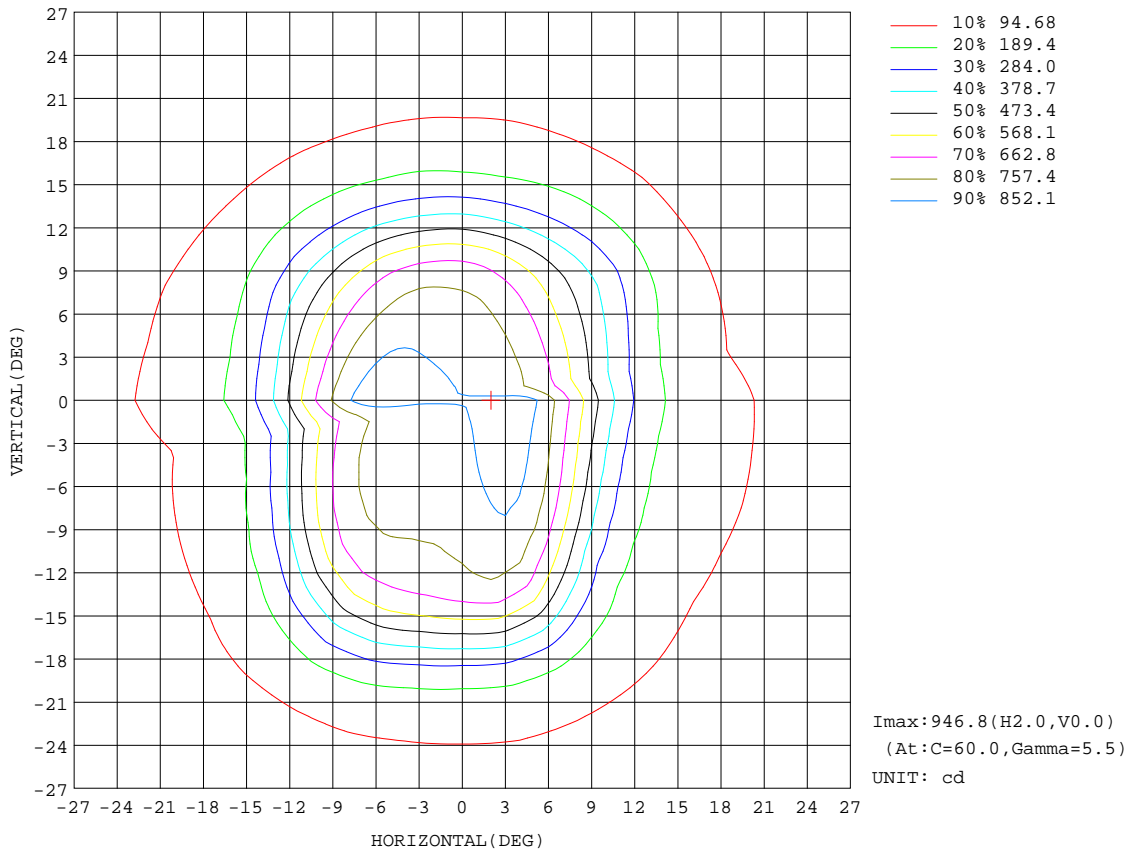
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	78	87	82	78	87	81	78	74
0.80	95	90	86	95	89	86	93	89	85	82
1.00	100	94	90	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	101	98	103	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

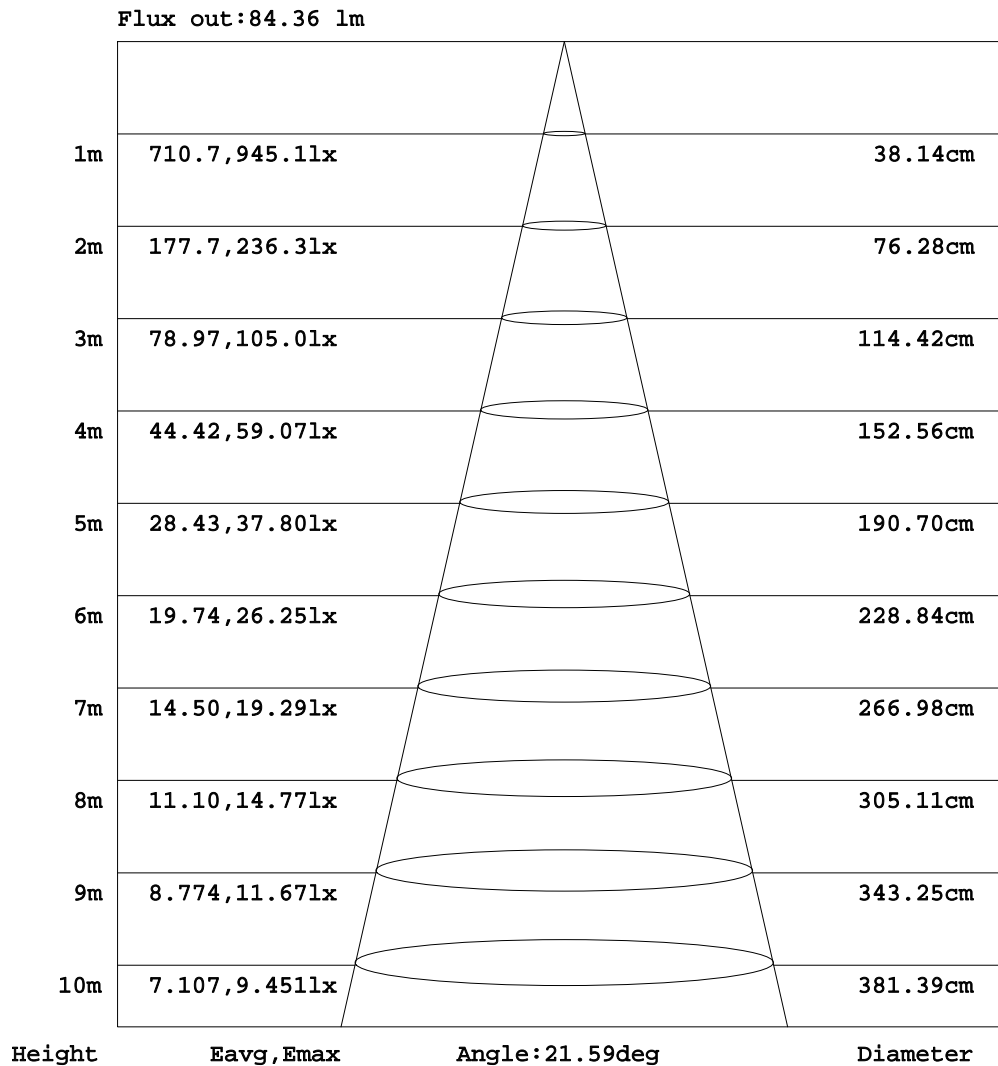


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date:

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

AAI Figure

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



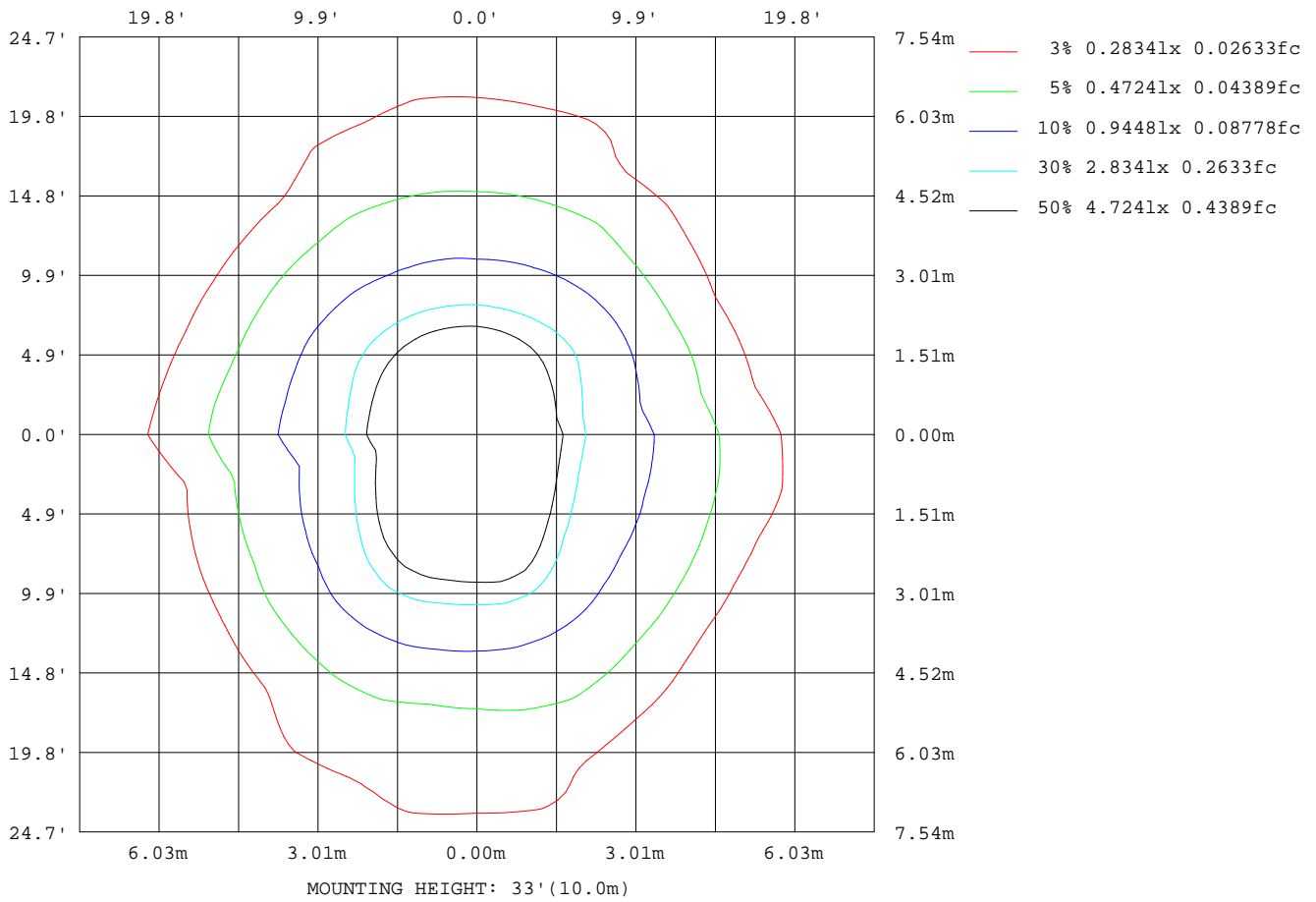
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

ISOLUX DIAGRAM

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

LED Avg.L Report

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

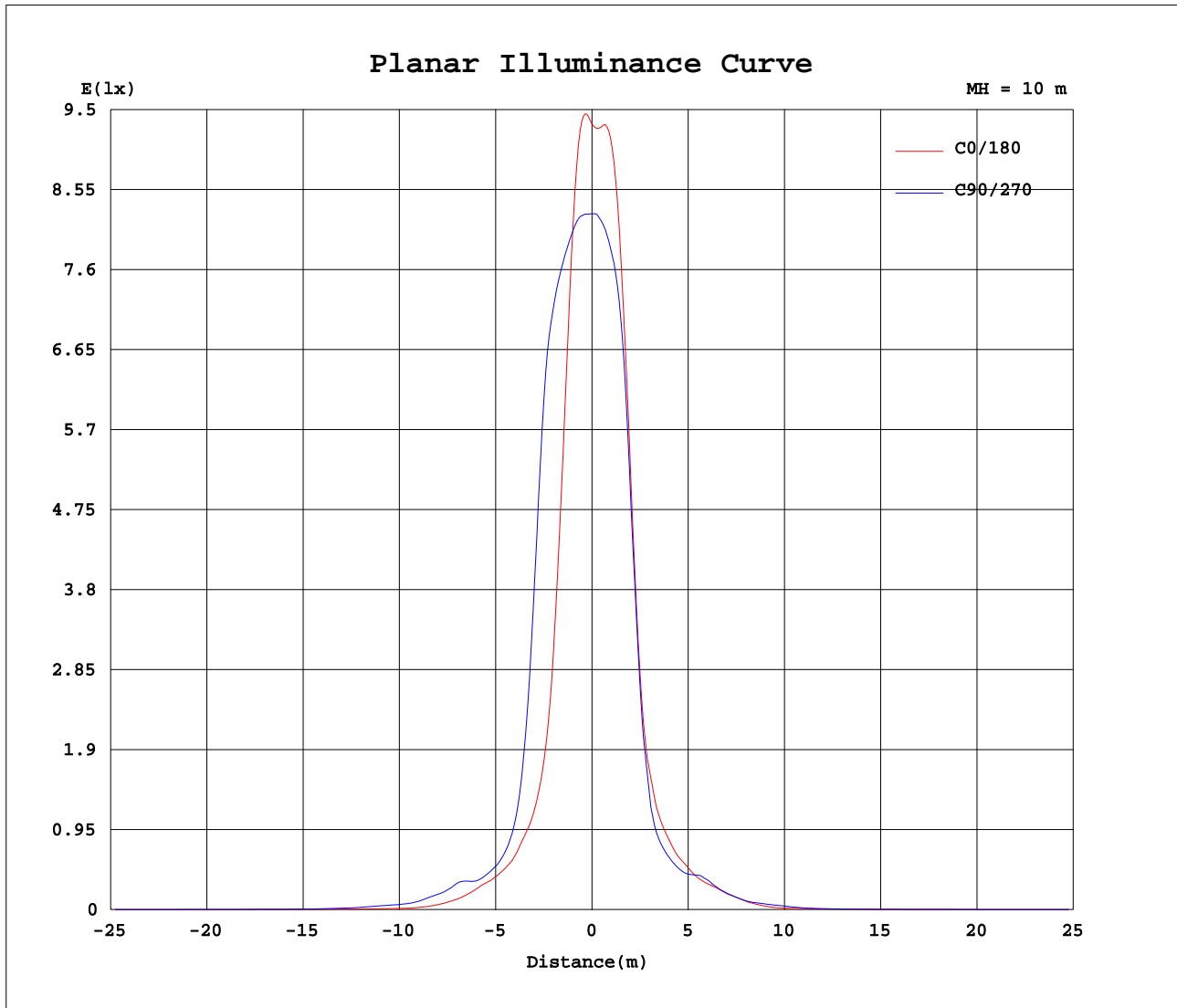
AvgL	cd/m2
L_0~180(65)av	82
L_0~180(75)av	73
L_0~180(85)av	86
L_90~270(65)av	130
L_90~270(75)av	130
L_90~270(85)av	165
L_45(65)av	105
L_45(75)av	93
L_45(85)av	127

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 GO-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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.900m [K=1.3161]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-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	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838
5	778	786	802	823	844	859	867	862	848	834	828	830	838	845	849	848	847	845	840
10	383	380	402	454	539	649	756	819	818	790	778	787	802	808	787	735	671	618	613
15	150	148	154	169	198	259	393	546	608	598	600	623	622	559	437	324	252	218	222
20	87.8	90.7	93.9	96.7	103	118	143	177	195	195	208	240	250	204	154	130	117	107	110
25	55.2	57.9	59.4	62.2	65.1	71.5	75.8	81.8	85.7	84.5	86.4	90.4	90.6	88.7	85.0	76.1	72.4	69.6	70.4
30	39.2	41.9	39.4	38.4	39.7	45.0	52.4	59.3	59.1	57.4	58.7	63.3	64.0	58.4	52.8	50.2	46.5	43.5	46.6
35	20.5	24.9	27.6	25.3	26.8	25.7	32.9	45.4	55.7	58.1	57.5	51.7	51.9	41.6	31.9	30.2	29.1	31.9	31.4
40	8.86	9.28	9.96	11.8	13.2	13.3	18.5	26.2	31.4	34.3	32.5	33.7	29.7	22.6	16.5	17.3	17.0	15.9	14.8
45	3.89	3.91	4.23	4.75	5.00	7.00	8.62	12.6	17.9	17.9	18.7	20.2	13.9	9.73	9.17	7.12	6.45	5.36	5.19
50	2.58	2.60	2.69	3.00	3.12	3.63	3.81	6.72	9.37	11.6	12.1	9.95	6.83	4.28	4.64	3.71	3.64	3.04	2.98
55	2.01	2.06	2.14	2.29	2.46	2.66	2.93	3.66	4.14	5.07	5.26	4.04	3.73	3.20	2.83	2.65	2.48	2.35	2.30
60	1.54	1.56	1.64	1.77	1.96	2.10	2.28	2.54	2.69	2.86	3.07	2.69	2.56	2.38	2.24	2.14	1.95	1.84	1.78
65	1.14	1.18	1.25	1.37	1.49	1.66	1.83	2.01	2.06	2.17	2.18	2.07	2.06	1.92	1.80	1.65	1.53	1.40	1.34
70	0.84	0.85	0.93	1.02	1.10	1.28	1.42	1.60	1.68	1.76	1.77	1.69	1.64	1.52	1.37	1.20	1.12	1.04	0.98
75	0.62	0.66	0.69	0.72	0.81	0.93	1.04	1.24	1.32	1.41	1.44	1.36	1.25	1.10	0.99	0.89	0.79	0.76	0.73
80	0.44	0.46	0.50	0.55	0.63	0.66	0.74	0.86	0.91	0.99	1.01	0.94	0.90	0.79	0.74	0.68	0.60	0.54	0.51
85	0.28	0.28	0.32	0.38	0.41	0.47	0.53	0.58	0.61	0.66	0.67	0.61	0.58	0.52	0.48	0.45	0.42	0.34	0.25
90	0.06	0.08	0.17	0.21	0.25	0.28	0.30	0.34	0.36	0.39	0.39	0.37	0.38	0.33	0.31	0.28	0.24	0.17	0.06
95	0.04	0.04	0.07	0.12	0.14	0.17	0.23	0.24	0.26	0.28	0.26	0.24	0.26	0.22	0.18	0.15	0.12	0.07	0.04
100	0.02	0.02	0.03	0.05	0.08	0.13	0.13	0.15	0.26	0.21	0.22	0.21	0.15	0.14	0.11	0.07	0.05	0.03	0.03
105	0.01	0.01	0.02	0.02	0.04	0.06	0.08	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.06	0.04	0.02	0.02	0.02
110	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.07	0.07	0.07	0.06	0.04	0.03	0.02	0.01	0.01	0.01
115	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.01	0.01	0.00	0.01
120	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.01
125	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01
130	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.01	0.01	0.01	0.00	0.01	0.01
135	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03
140	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05
145	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09
150	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.14
155	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.18
160	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.21
165	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.22
170	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.21
175	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.18
180	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.15

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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:4.0200V I:0.6310A P:2.5400W PF:0.0000 Freq:0Hz Lamp Flux:225.074x1 lm		
NAME: ASD-EML-2RL-W	TYPE:	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:s25050020c-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	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838		
5	836	830	827	824	820	817	815	814	815	816	813	808	803	798	795	796	799		
10	600	605	616	632	649	661	658	654	648	638	614	593	562	526	492	459	433		
15	224	242	277	292	284	269	252	239	230	227	234	246	255	249	221	188	171		
20	106	107	110	106	102	96.2	93.7	93.0	92.6	94.5	94.2	94.5	97.2	94.3	95.0	94.0	91.7		
25	65.3	64.5	63.9	63.3	62.9	64.8	64.1	63.5	62.7	63.0	63.0	64.8	60.5	59.4	55.0	55.8	57.1		
30	44.2	42.2	41.3	41.5	42.4	49.6	53.8	56.9	59.9	59.8	50.9	44.4	43.5	37.6	34.1	37.2	38.0		
35	27.4	24.6	24.6	23.5	27.8	32.0	35.1	33.6	36.5	36.5	34.3	32.6	27.1	20.7	19.6	19.1	21.2		
40	13.4	11.6	11.6	10.1	12.4	15.8	17.7	20.6	19.5	17.9	17.9	16.5	14.0	10.17	8.58	9.49	9.77		
45	5.12	5.04	5.35	4.79	5.71	7.17	9.53	11.6	12.5	11.7	10.14	9.03	7.09	5.13	3.89	4.98	3.99		
50	3.12	3.00	3.06	3.16	3.59	3.50	4.58	4.70	5.12	5.27	4.81	4.65	3.16	3.27	2.86	2.89	2.63		
55	2.26	2.28	2.32	2.47	2.52	2.59	2.95	2.89	3.08	2.99	2.96	2.84	2.47	2.31	2.19	2.10	2.05		
60	1.76	1.78	1.82	1.91	2.01	2.06	2.16	2.23	2.19	2.18	2.11	2.11	1.93	1.81	1.73	1.65	1.60		
65	1.31	1.33	1.40	1.45	1.55	1.62	1.71	1.77	1.76	1.75	1.68	1.61	1.46	1.38	1.35	1.26	1.19		
70	0.96	0.98	1.05	1.10	1.12	1.20	1.32	1.39	1.40	1.39	1.30	1.23	1.09	1.01	1.01	0.98	0.88		
75	0.71	0.74	0.76	0.75	0.79	0.84	0.95	1.00	0.99	0.95	0.91	0.86	0.79	0.74	0.69	0.72	0.67		
80	0.52	0.50	0.50	0.51	0.53	0.59	0.63	0.64	0.64	0.63	0.61	0.56	0.52	0.47	0.45	0.44	0.46		
85	0.22	0.30	0.30	0.32	0.34	0.33	0.36	0.37	0.37	0.37	0.36	0.34	0.32	0.30	0.28	0.28	0.28		
90	0.06	0.14	0.18	0.18	0.21	0.20	0.23	0.23	0.28	0.25	0.24	0.22	0.19	0.18	0.17	0.16	0.13		
95	0.05	0.08	0.10	0.12	0.13	0.14	0.17	0.18	0.23	0.20	0.17	0.18	0.14	0.11	0.11	0.09	0.06		
100	0.03	0.04	0.05	0.07	0.08	0.09	0.09	0.10	0.11	0.11	0.09	0.09	0.09	0.08	0.08	0.05	0.04		
105	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.04	0.03	0.02		
110	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.03	0.02	0.01	0.01		
115	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00		
120	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.00		
125	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01		
130	0.01	0.01	0.01	0.02	0.02	0.02	0.04	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.01		
135	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.04		
140	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.09	0.08	0.07		
145	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.12		
150	0.14	0.15	0.15	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.16		
155	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.20		
160	0.21	0.21	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21		
165	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20		
170	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18		
175	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.14	0.14	0.14	0.14		
180	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.900m [K=1.3161]
 Remarks: