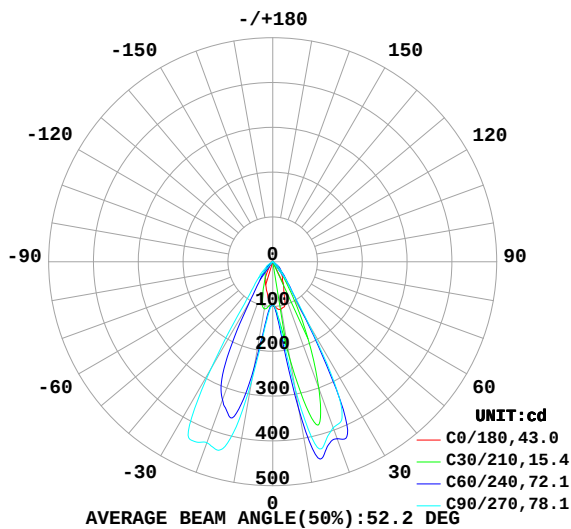


LUMINAIRE PHOTOMETRIC TEST REPORT

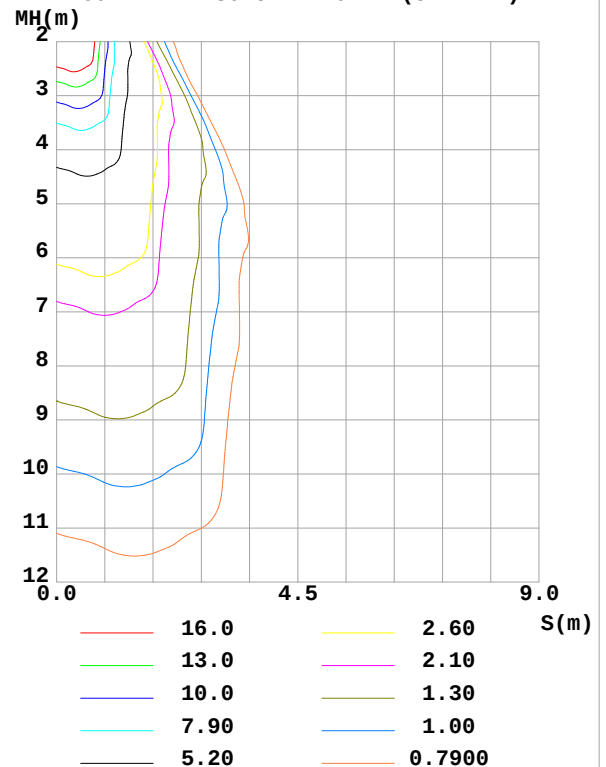
Test:U:4.2000V I:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.95 lm/W
MODEL	ASD-EML-RH-2RS-W	I _{max} (cd)	452.9	S/MH(C0/180)	0.59	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.20	
RATED VOLTAGE(V)	4.2	TOTAL FLUX(lm)	217.38	η UP, DN(C0-180)	0.1, 47.5	
NOMINAL FLUX(lm)	217.38	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 52.3	
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	4.2	η down(%)	99.7	CIBSE SHR MAX	1.00	

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	107.2	290.3	285.5	93.10	71.02	169.1	265.6	122.1	0- 10	12.20	12.20	5.61, 5.61
20	74.25	399.4	394.6	59.19	46.41	138.9	429.9	206.8	10- 20	65.08	77.28	35.6, 35.6
30	43.91	153.2	161.8	30.99	21.59	51.65	277.6	93.87	20- 30	80.59	157.9	72.6, 72.6
40	19.67	34.02	32.81	17.53	9.517	24.84	55.94	32.77	30- 40	33.99	191.9	88.3, 88.3
50	7.531	13.41	12.84	6.461	2.855	6.789	20.95	22.84	40- 50	15.27	207.1	95.3, 95.3
60	2.662	2.867	2.247	1.888	1.605	2.135	6.939	7.604	50- 60	6.110	213.2	98.1, 98.1
70	1.545	1.286	1.149	1.064	0.9664	1.168	1.629	2.020	60- 70	1.962	215.2	99, 99
80	0.8667	0.6701	0.5975	0.5607	0.3813	0.6397	0.9419	1.085	70- 80	1.052	216.3	99.5, 99.5
90	0.3515	0.3272	0.3169	0.2014	0.1500	0.3174	0.4948	0.6025	80- 90	0.5573	216.8	99.7, 99.7
100	0.1775	0.1157	0.0943	0.0919	0.0590	0.0943	0.2467	0.2413	90-100	0.2561	217.1	99.9, 99.9
110	0.0601	0.0372	0.0353	0.0264	0.0225	0.0362	0.0729	0.1182	100-110	0.0881	217.2	99.9, 99.9
120	0.0266	0.0186	0.0241	0.0138	0.0044	0.0097	0.0362	0.0372	110-120	0.0328	217.2	99.9, 99.9
130	0.0108	0.0329	0.0364	0.0098	0.0012	0.0126	0.0327	0.0188	120-130	0.0305	217.2	99.9, 99.9
140	0.0211	0.0702	0.0496	0.0450	0.0371	0.0316	0.0556	0.0183	130-140	0.0324	217.3	99.9, 99.9
150	0.0657	0.1039	0.0585	0.0934	0.0853	0.0462	0.0772	0.0561	140-150	0.0360	217.3	100, 100
160	0.1405	0.1539	0.0797	0.1443	0.1148	0.0658	0.0892	0.1135	150-160	0.0422	217.3	100, 100
170	0.1579	0.1475	0.1317	0.1168	0.1026	0.0910	0.1190	0.1407	160-170	0.0351	217.4	100, 100
180	0.1275	0.1275	0.1275	0.1275	0.1275	0.1275	0.1275	0.1275	170-180	0.0118	217.4	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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz
Lamp Flux:217.38x1 lm

NAME: ASD-EML-RH-2RS-W

TYPE:

WEIGHT:

SPEC.: 4000K

DIM.:

SERIAL No.: s26010001c-01

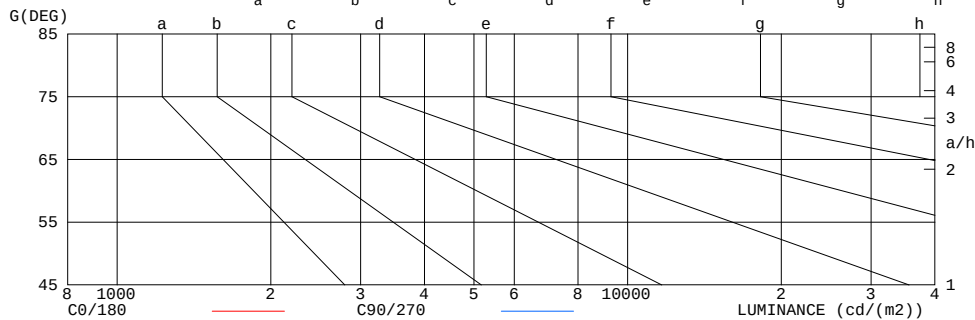
MFR.: ASD Lighting Corp

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		a	b	c	d	e	f	g	h
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	67	48
80	50	34
75	48	32
70	45	34
65	46	35
60	53	45
55	66	100
50	117	200
45	163	286

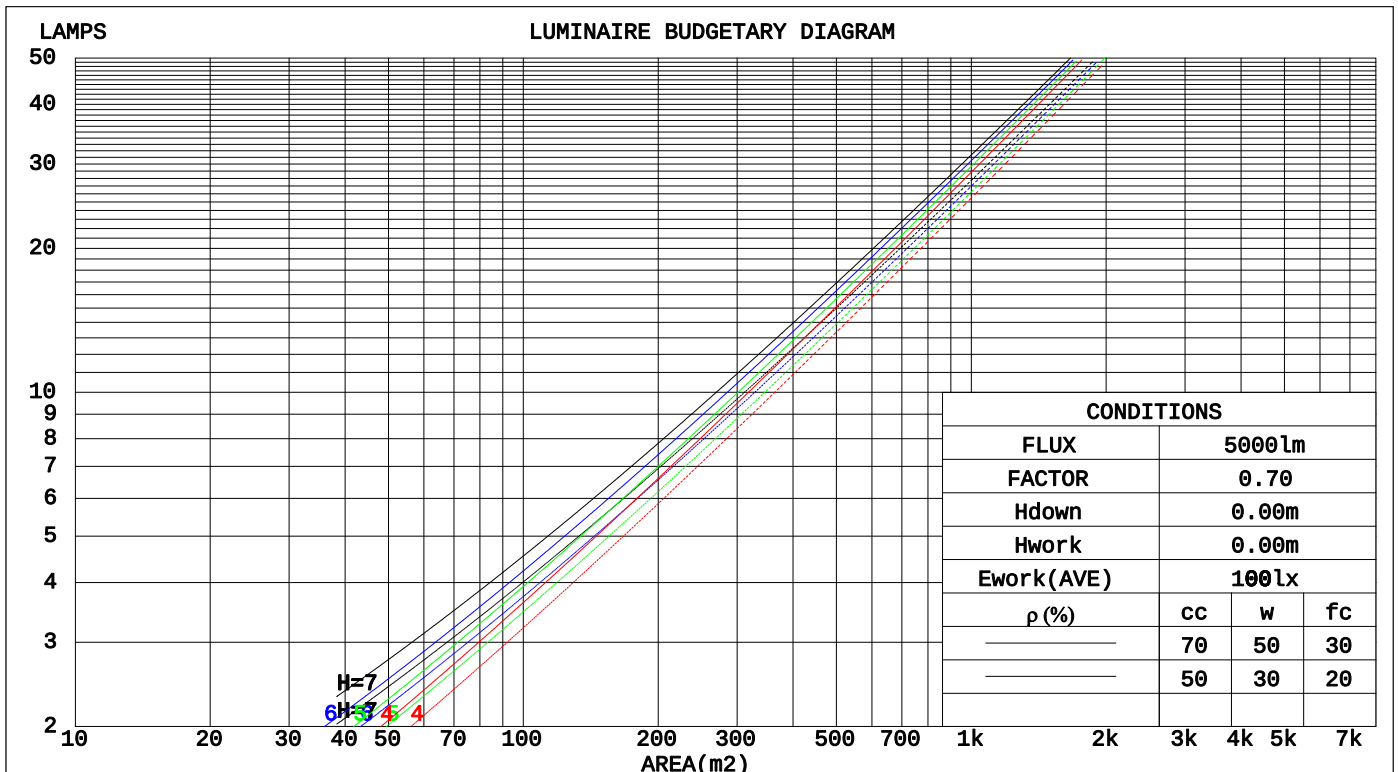
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-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 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	1.10	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.89	.85	.93	.88	.85	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79
4.0	.88	.82	.78	.87	.82	.77	.85	.80	.76	.83	.79	.76	.81	.77	.75	.73
5.0	.82	.76	.72	.81	.76	.71	.79	.74	.71	.78	.73	.70	.76	.72	.69	.68
6.0	.77	.71	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.72	.68	.64	.63
7.0	.72	.66	.61	.71	.65	.61	.70	.65	.61	.69	.64	.60	.68	.63	.60	.59
8.0	.68	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.57	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.54	.50	.59	.54	.50	.59	.53	.50	.58	.53	.50	.57	.53	.49	.48



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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm					
NAME: ASD-EML-RH-2RS-W			TYPE:		WEIGHT:
SPEC.: 4000K			DIM.:		SERIAL No.: s26010001c-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	.189	.107	.034	.182	.104	.033	.169	.097	.031	.158	.091	.029	.147	.085	.027															
2.0	.180	.099	.030	.175	.096	.030	.164	.091	.028	.154	.086	.027	.145	.082	.026															
3.0	.171	.091	.027	.167	.089	.027	.157	.085	.026	.149	.081	.025	.141	.078	.024															
4.0	.163	.085	.025	.159	.083	.025	.151	.080	.024	.143	.077	.023	.136	.074	.023															
5.0	.155	.079	.023	.151	.078	.023	.144	.075	.022	.138	.073	.022	.132	.070	.021															
6.0	.148	.074	.021	.145	.073	.021	.138	.071	.021	.133	.069	.020	.127	.067	.020															
7.0	.141	.070	.020	.138	.069	.020	.133	.067	.019	.128	.065	.019	.123	.064	.019															
8.0	.135	.066	.019	.132	.065	.018	.127	.064	.018	.123	.062	.018	.118	.061	.018															
9.0	.129	.062	.017	.127	.062	.017	.122	.061	.017	.118	.059	.017	.114	.058	.017															
10.0	.124	.059	.016	.122	.059	.016	.118	.058	.016	.114	.057	.016	.110	.055	.016															

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.174	.159	.146	.149	.137	.126	.102	.094	.087	.059	.054	.051	.019	.018	.016	
2.0	.159	.134	.113	.137	.116	.098	.094	.080	.068	.054	.047	.040	.017	.015	.013	
3.0	.148	.116	.090	.126	.100	.078	.087	.069	.055	.050	.040	.032	.016	.013	.011	
4.0	.138	.101	.073	.118	.087	.064	.081	.061	.045	.047	.036	.026	.015	.012	.009	
5.0	.129	.090	.060	.111	.078	.053	.076	.054	.037	.044	.032	.022	.014	.010	.007	
6.0	.122	.080	.051	.105	.070	.044	.072	.049	.031	.042	.029	.019	.014	.009	.006	
7.0	.116	.073	.043	.100	.063	.038	.069	.044	.027	.040	.026	.016	.013	.009	.005	
8.0	.110	.067	.037	.095	.058	.032	.066	.041	.023	.038	.024	.014	.012	.008	.005	
9.0	.105	.062	.033	.090	.054	.028	.063	.038	.020	.037	.022	.012	.012	.007	.004	
10.0	.101	.057	.029	.087	.050	.025	.060	.035	.018	.035	.021	.011	.011	.007	.004	

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

UGR(Unified Glare Rating) Table

Test:U:4.2000V I:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm										
NAME: ASD-EML-RH-2RS-W					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.: s26010001c-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, 217.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.3)
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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

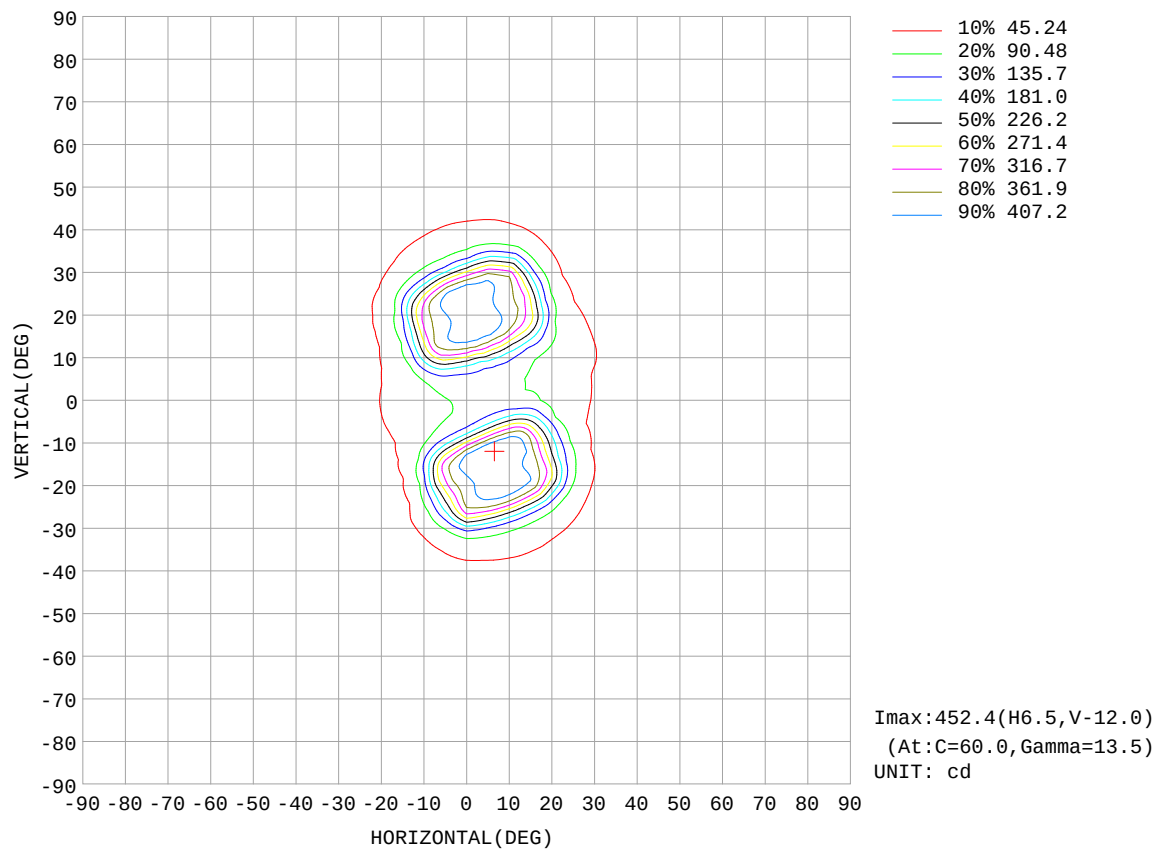
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	84	77	73	84	77	73	83	77	73	69
0.80	92	86	81	91	85	81	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
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: 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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

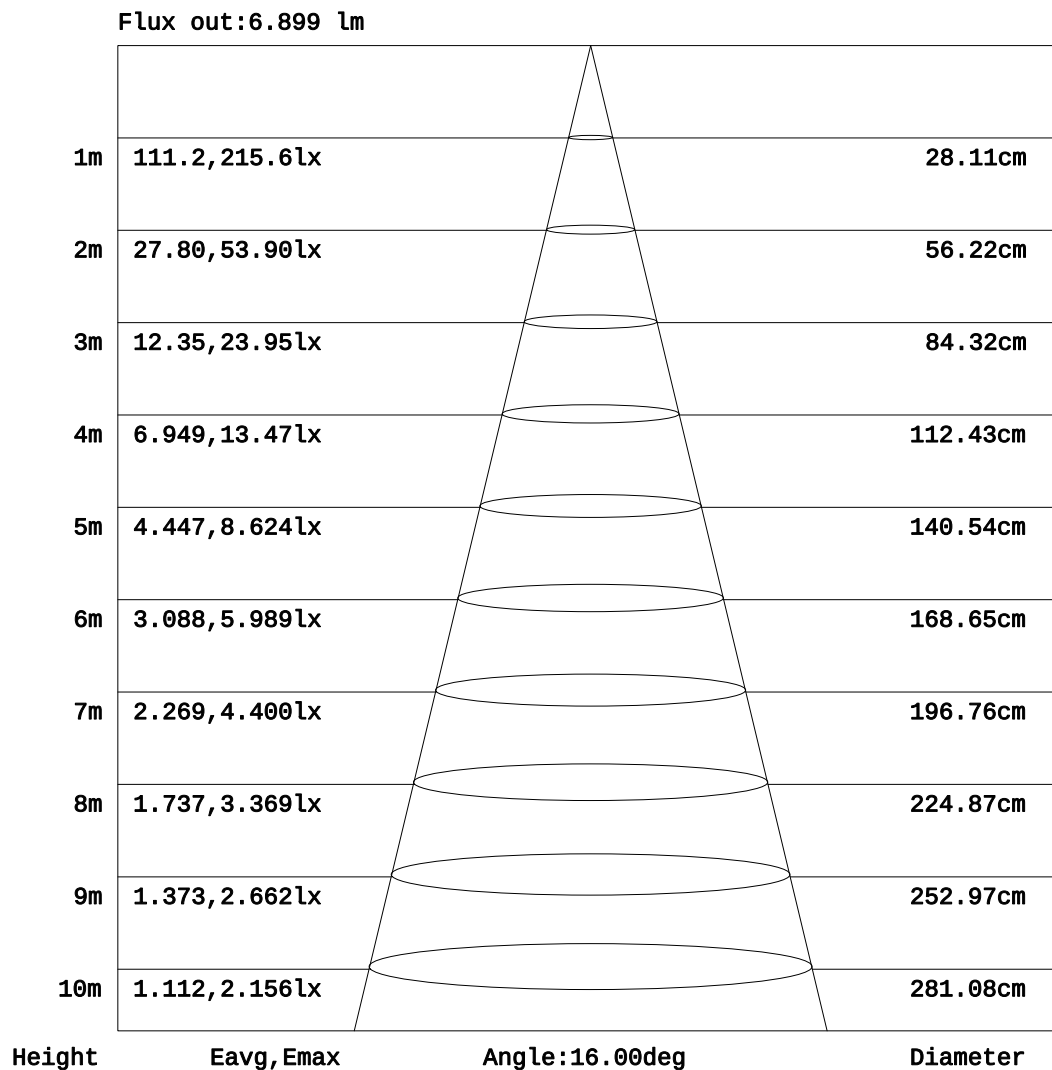


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3℃
Operators:
Test Date:
Stability time:0 s

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

AAI Figure

Test:U:4.2000V I:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



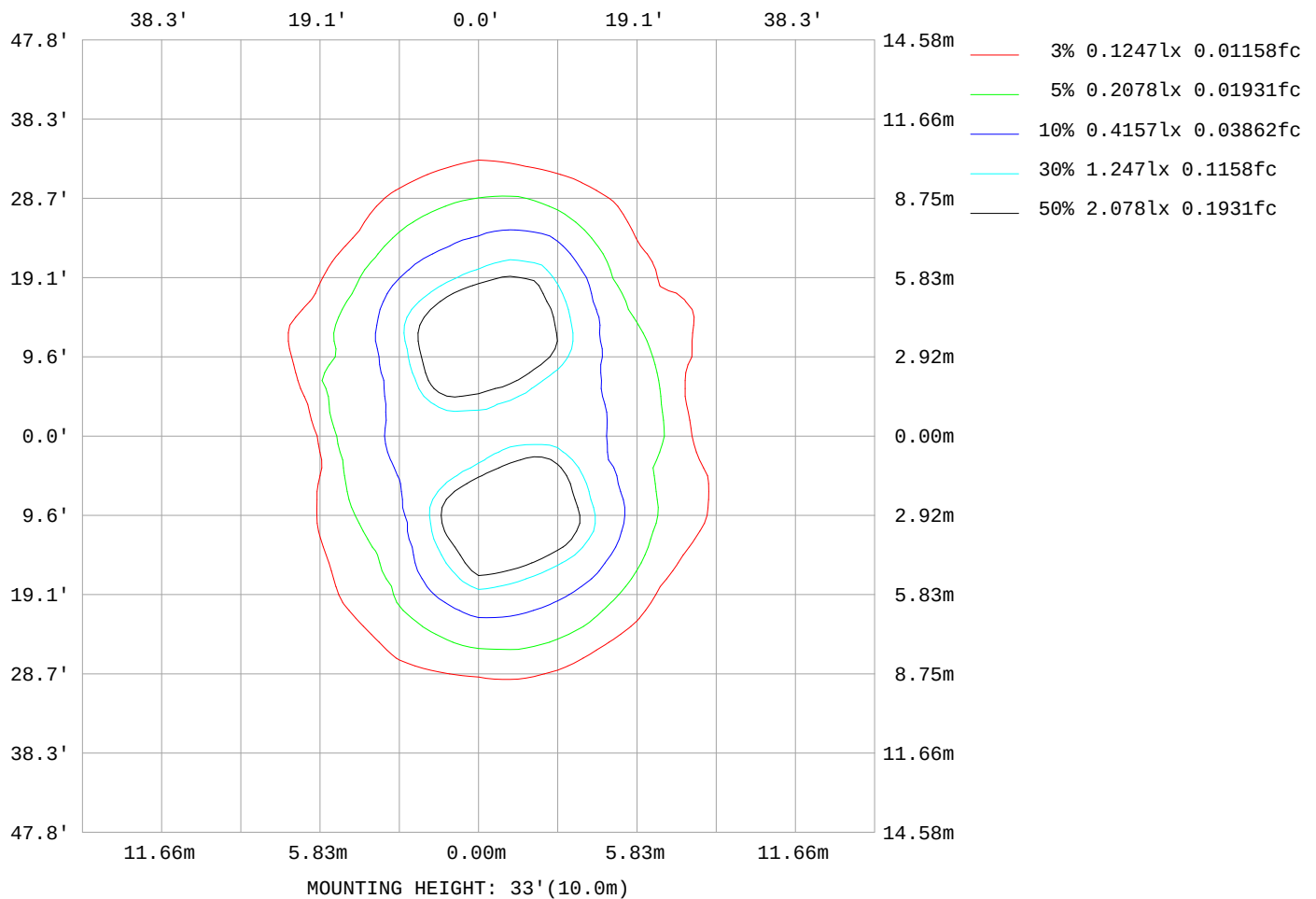
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm		
NAME: ASD-EML-RH-2RS-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001c-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

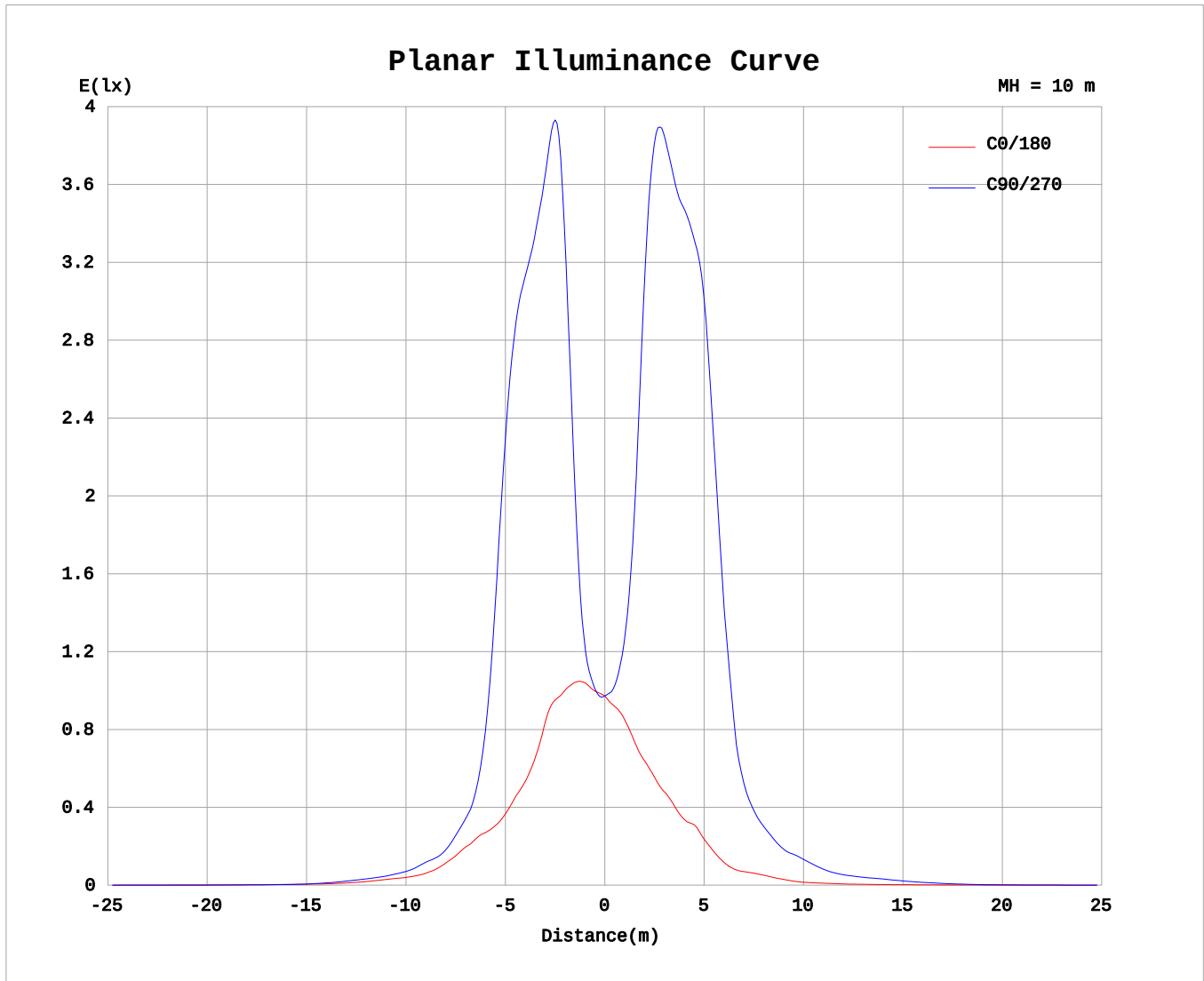
AvgL	cd/m2
L_0~180(65)av	38
L_0~180(75)av	36
L_0~180(85)av	48
L_90~270(65)av	47
L_90~270(75)av	40
L_90~270(85)av	65
L_45(65)av	49
L_45(75)av	39
L_45(85)av	60

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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm																		
NAME: ASD-EML-RH-2RS-W									TYPE:					WEIGHT:				
SPEC.: 4000K									DIM.:					SERIAL No.: s26010001c-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	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
5	104	109	113	118	122	125	127	126	121	116	110	104	98.6	93.6	89.8	87.7	86.9	87.0	88.5
10	107	127	164	219	271	310	331	335	319	286	231	177	131	101	85.3	76.9	71.8	69.7	71.0
15	103	149	254	376	437	445	445	442	437	430	393	317	197	104	71.4	62.9	58.6	57.8	58.1
20	74.3	104	196	301	388	411	421	427	418	395	347	262	137	69.7	48.6	43.9	44.8	45.7	46.4
25	56.9	59.6	103	180	316	388	384	384	378	366	229	131	59.8	40.0	38.0	36.9	35.1	35.1	39.3
30	43.9	40.8	51.8	89.5	144	163	146	142	146	162	103	62.9	38.3	31.5	30.4	27.3	25.4	19.8	21.6
35	35.8	32.6	37.7	43.9	52.0	62.2	63.1	63.5	63.4	62.3	48.1	39.5	34.1	30.3	24.8	20.6	15.0	11.8	12.8
40	19.7	29.4	35.0	31.5	31.9	36.2	38.4	39.2	39.1	32.8	33.9	30.6	26.0	21.7	13.3	9.71	6.55	6.84	9.52
45	11.5	16.7	21.4	17.9	19.9	22.0	24.3	25.0	23.4	20.2	19.7	20.6	18.6	13.5	9.16	6.24	4.40	3.84	4.49
50	7.53	10.2	11.7	9.68	11.1	15.7	19.2	19.8	16.6	12.8	8.41	9.06	9.37	7.36	5.56	3.30	2.94	2.54	2.85
55	3.81	5.52	4.49	3.87	6.11	7.44	6.75	5.93	5.89	5.72	3.68	3.30	3.87	3.94	2.51	2.26	2.13	2.04	2.04
60	2.66	2.49	2.68	2.38	2.93	2.81	2.43	2.09	2.24	2.25	2.17	2.05	1.94	1.95	1.83	1.70	1.73	1.66	1.60
65	1.95	1.85	1.74	1.70	1.68	1.67	1.54	1.39	1.40	1.48	1.53	1.51	1.47	1.45	1.36	1.31	1.36	1.31	1.28
70	1.54	1.44	1.33	1.29	1.31	1.26	1.16	1.07	1.08	1.15	1.16	1.13	1.10	1.10	1.03	1.00	0.97	0.96	0.97
75	1.24	1.11	1.02	1.04	0.98	0.91	0.83	0.81	0.80	0.83	0.86	0.89	0.81	0.82	0.77	0.69	0.64	0.63	0.65
80	0.87	0.78	0.76	0.73	0.71	0.63	0.59	0.59	0.59	0.60	0.62	0.61	0.60	0.56	0.56	0.45	0.38	0.36	0.38
85	0.58	0.54	0.49	0.49	0.48	0.44	0.40	0.40	0.40	0.41	0.42	0.40	0.39	0.38	0.34	0.29	0.22	0.24	0.25
90	0.35	0.35	0.33	0.33	0.33	0.32	0.31	0.30	0.31	0.32	0.29	0.31	0.27	0.23	0.18	0.16	0.19	0.23	0.15
95	0.22	0.23	0.21	0.22	0.22	0.25	0.24	0.22	0.23	0.23	0.19	0.16	0.13	0.12	0.12	0.12	0.14	0.10	0.09
100	0.18	0.13	0.11	0.11	0.11	0.12	0.11	0.11	0.10	0.09	0.08	0.08	0.08	0.09	0.09	0.07	0.07	0.06	0.06
105	0.09	0.08	0.08	0.07	0.06	0.05	0.04	0.04	0.04	0.05	0.05	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04
110	0.06	0.05	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
115	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01
120	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00
125	0.02	0.01	0.01	0.01	0.02	0.03	0.03	0.05	0.06	0.03	0.03	0.00	0.66	0.03	0.01	0.01	0.01	0.01	0.00
130	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.04	0.04	0.00	1.06	0.00	0.02	0.02	0.01	0.01	0.00
135	0.01	0.02	0.02	0.03	0.04	0.06	0.07	0.09	0.10	0.05	0.05	0.04	0.04	0.02	0.03	0.03	0.02	0.02	0.02
140	0.02	0.02	0.04	0.05	0.06	0.08	0.09	0.11	0.12	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
145	0.04	0.04	0.06	0.07	0.08	0.10	0.10	0.11	0.12	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.06
150	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.06	0.06	0.06	0.07	0.09	0.10	0.10	0.10	0.09	0.09
155	0.10	0.11	0.11	0.12	0.13	0.12	0.11	0.11	0.10	0.06	0.07	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.11
160	0.14	0.15	0.15	0.16	0.16	0.15	0.14	0.12	0.11	0.08	0.10	0.11	0.13	0.15	0.14	0.13	0.12	0.12	0.11
165	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.15	0.14	0.12	0.14	0.14	0.12	0.12	0.13	0.13	0.12	0.11	0.11
170	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10
175	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10
180	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

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:0.5964A P:2.5000W PF:0.0000 Freq:0Hz Lamp Flux:217.38x1 lm																	
NAME: ASD-EML-RH-2RS-W									TYPE:						WEIGHT:		
SPEC.: 4000K									DIM.:						SERIAL No.: s26010001c-01		
MFR.: ASD Lighting Corp									SUR.:						Shielding Angle:		

Table--2

UNIT: cd

γ (DEG)	C(DEG)																	
	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
5	91.6	95.4	98.9	103	108	112	116	118	119	119	116	112	108	106	104	102	102	
10	75.4	84.8	107	144	194	240	265	273	266	234	193	164	133	112	101	97.8	97.3	
15	59.8	67.2	90.5	155	256	361	400	423	432	420	380	301	194	127	99.1	89.1	88.5	
20	45.9	49.5	60.9	90.9	187	328	388	414	430	435	425	386	270	143	89.0	76.5	72.8	
25	37.2	34.6	41.3	58.2	111	250	356	423	438	423	390	358	265	127	71.1	58.7	58.6	
30	28.9	34.4	34.0	43.2	60.1	103	143	200	278	365	372	248	125	62.6	50.6	49.0	44.7	
35	15.0	24.8	31.5	34.1	38.6	49.8	66.5	75.6	95.2	148	176	98.1	51.8	41.1	39.8	37.5	35.0	
40	11.0	15.1	22.8	22.0	27.6	31.2	41.5	47.8	55.9	61.2	57.1	45.8	35.8	29.8	30.4	27.6	17.8	
45	7.39	9.41	12.8	13.1	16.3	20.4	27.1	32.7	37.7	36.3	36.5	34.9	28.6	30.5	22.5	18.6	12.0	
50	3.82	4.58	5.10	4.80	8.78	13.4	19.3	22.7	21.0	22.8	25.4	24.2	28.0	17.7	12.9	9.05	6.64	
55	2.33	2.32	2.64	2.82	4.80	6.46	11.0	14.1	15.8	12.4	13.3	17.7	15.3	10.5	9.38	5.82	3.29	
60	1.71	1.71	1.83	2.03	2.24	2.72	3.64	4.38	6.94	6.77	5.17	8.51	7.98	7.23	4.68	3.21	2.43	
65	1.32	1.32	1.38	1.51	1.56	1.67	1.85	2.05	2.46	2.96	2.73	3.26	3.75	3.38	2.70	2.27	1.97	
70	0.97	0.97	1.05	1.13	1.20	1.29	1.40	1.48	1.63	1.82	1.90	1.87	2.07	1.97	1.76	1.68	1.61	
75	0.67	0.69	0.75	0.85	0.90	1.00	1.08	1.14	1.23	1.34	1.36	1.40	1.43	1.41	1.33	1.34	1.27	
80	0.43	0.46	0.52	0.62	0.66	0.74	0.82	0.88	0.94	1.04	1.09	1.08	1.09	1.08	1.01	0.98	0.99	
85	0.26	0.31	0.37	0.41	0.47	0.52	0.57	0.64	0.72	0.79	0.82	0.80	0.82	0.82	0.75	0.67	0.66	
90	0.15	0.17	0.23	0.28	0.35	0.37	0.39	0.44	0.49	0.55	0.58	0.59	0.60	0.61	0.53	0.47	0.41	
95	0.11	0.10	0.12	0.16	0.21	0.28	0.30	0.32	0.37	0.38	0.39	0.40	0.40	0.41	0.39	0.29	0.27	
100	0.06	0.07	0.09	0.08	0.10	0.15	0.18	0.20	0.25	0.25	0.26	0.28	0.26	0.22	0.19	0.21	0.19	
105	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.10	0.13	0.15	0.15	0.15	0.14	0.14	0.14	0.15	0.10	
110	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.07	0.08	0.09	0.09	0.11	0.13	0.12	0.08	0.06	
115	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	
120	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.03	
125	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	
130	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
135	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.02	
140	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.05	0.04	0.03	0.02	0.02	0.01	0.02	0.02	
145	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.07	0.06	0.05	0.04	0.03	0.03	0.03	0.03	0.03	
150	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.05	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
155	0.09	0.08	0.07	0.06	0.05	0.05	0.04	0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	
160	0.10	0.09	0.08	0.07	0.06	0.06	0.05	0.07	0.09	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.14	
165	0.11	0.10	0.09	0.09	0.08	0.08	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.15	0.15	0.16	
170	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.11	0.12	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.16	
175	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.13	0.13	0.13	0.13	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	

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