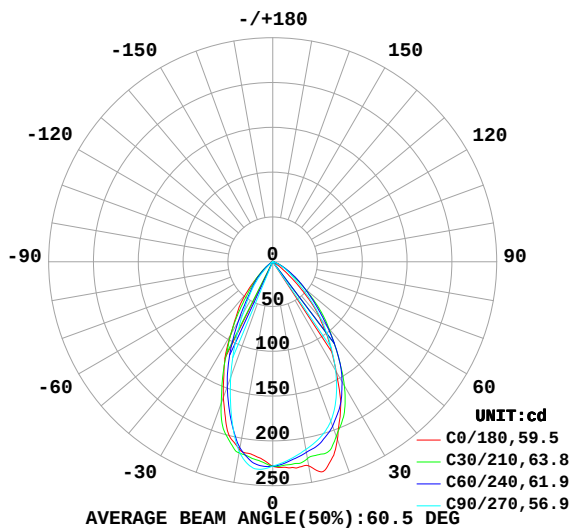


LUMINAIRE PHOTOMETRIC TEST REPORT

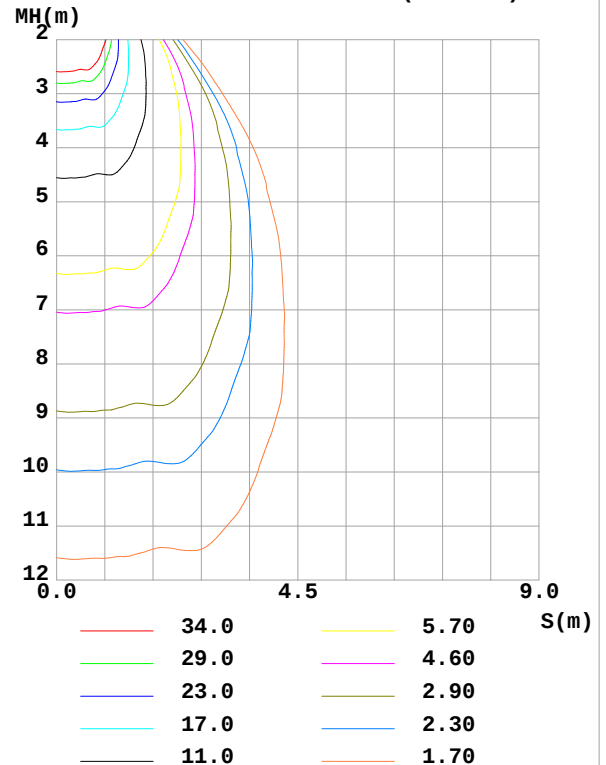
Test:U:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 65.14 lm/W
MODEL	ASD-EXL-RH-2SL-RGW	I _{max} (cd)	244.0	S/MH(C0/180)	0.82	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.73	
RATED VOLTAGE(V)	10.9	TOTAL FLUX(lm)	244.93	η UP, DN(C0-180)	0.1, 58.3	
NOMINAL FLUX(lm)	244.93	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 41.5	
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	10.9	η down(%)	99.8	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	231.3	221.1	212.7	210.0	212.9	212.9	215.3	228.8	0- 10	21.26	21.26	8.68,8.68
20	211.1	202.4	189.5	173.4	161.6	162.8	137.2	187.3	10- 20	56.56	77.82	31.8,31.8
30	141.4	160.0	140.4	112.2	94.24	82.88	66.42	97.06	20- 30	66.87	144.7	59.1,59.1
40	82.12	103.6	84.53	58.87	47.00	33.67	28.56	42.93	30- 40	52.95	197.6	80.7,80.7
50	23.99	49.21	36.58	22.03	7.230	12.97	5.868	15.60	40- 50	30.33	228.0	93.1,93.1
60	3.480	18.39	15.88	3.928	2.013	2.986	1.548	2.557	50- 60	11.22	239.2	97.7,97.7
70	1.815	6.060	3.460	1.116	1.285	0.6329	0.6371	0.6741	60- 70	3.727	242.9	99.2,99.2
80	1.063	1.303	1.061	0.5267	0.6051	0.2452	0.3477	0.2966	70- 80	1.140	244.1	99.6,99.6
90	0.0190	0.4466	0.5273	0.2047	0.0456	0.0881	0.1333	0.1131	80- 90	0.3995	244.5	99.8,99.8
100	0.0924	0.1824	0.2029	0.0600	0	0.0342	0.0447	0.0205	90-100	0.1443	244.6	99.9,99.9
110	0.0125	0.0602	0.0627	0.0062	0	0.0140	0.0183	0.0031	100-110	0.0473	244.6	99.9,99.9
120	0	0.0137	0.0153	0.0084	0.0183	0.0373	0.0288	0.0123	110-120	0.0165	244.7	99.9,99.9
130	0.0197	0.0146	0.0115	0.0172	0.0687	0.0827	0.0579	0.0306	120-130	0.0209	244.7	99.9,99.9
140	0.0545	0.0379	0.0316	0.0346	0.1488	0.1546	0.0990	0.0645	130-140	0.0399	244.7	99.9,99.9
150	0.1106	0.0746	0.0591	0.0607	0.2361	0.2305	0.1565	0.1136	140-150	0.0603	244.8	99.9,99.9
160	0.1777	0.1195	0.0990	0.0865	0.3128	0.2725	0.2081	0.1687	150-160	0.0685	244.8	100,100
170	0.2363	0.1874	0.1499	0.1923	0.3200	0.2924	0.2492	0.2319	160-170	0.0565	244.9	100,100
180	0.2870	0.2870	0.2870	0.2870	0.2870	0.2870	0.2870	0.2870	170-180	0.0243	244.9	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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz
Lamp Flux:244.93x1 lm

NAME: ASD-EXL-RH-2SL-RGW

TYPE:

WEIGHT:

SPEC.: 4000K

DIM.:

SERIAL No.: s26010001d-01

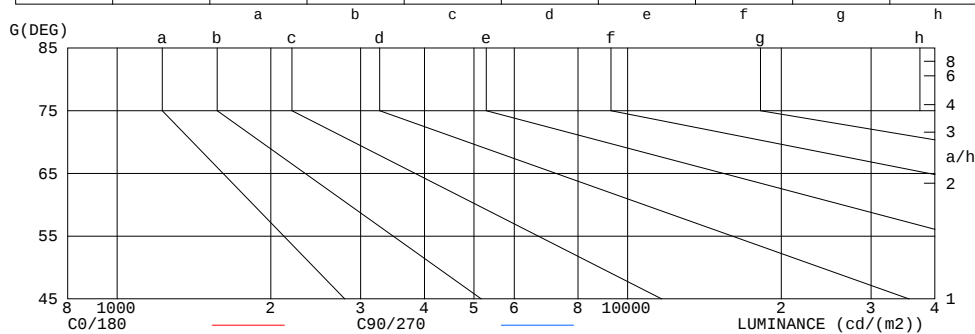
MFR.: ASD Lighting Corp

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	80	78
80	61	61
75	55	63
70	53	101
65	54	198
60	70	318
55	156	422
50	373	569
45	722	826

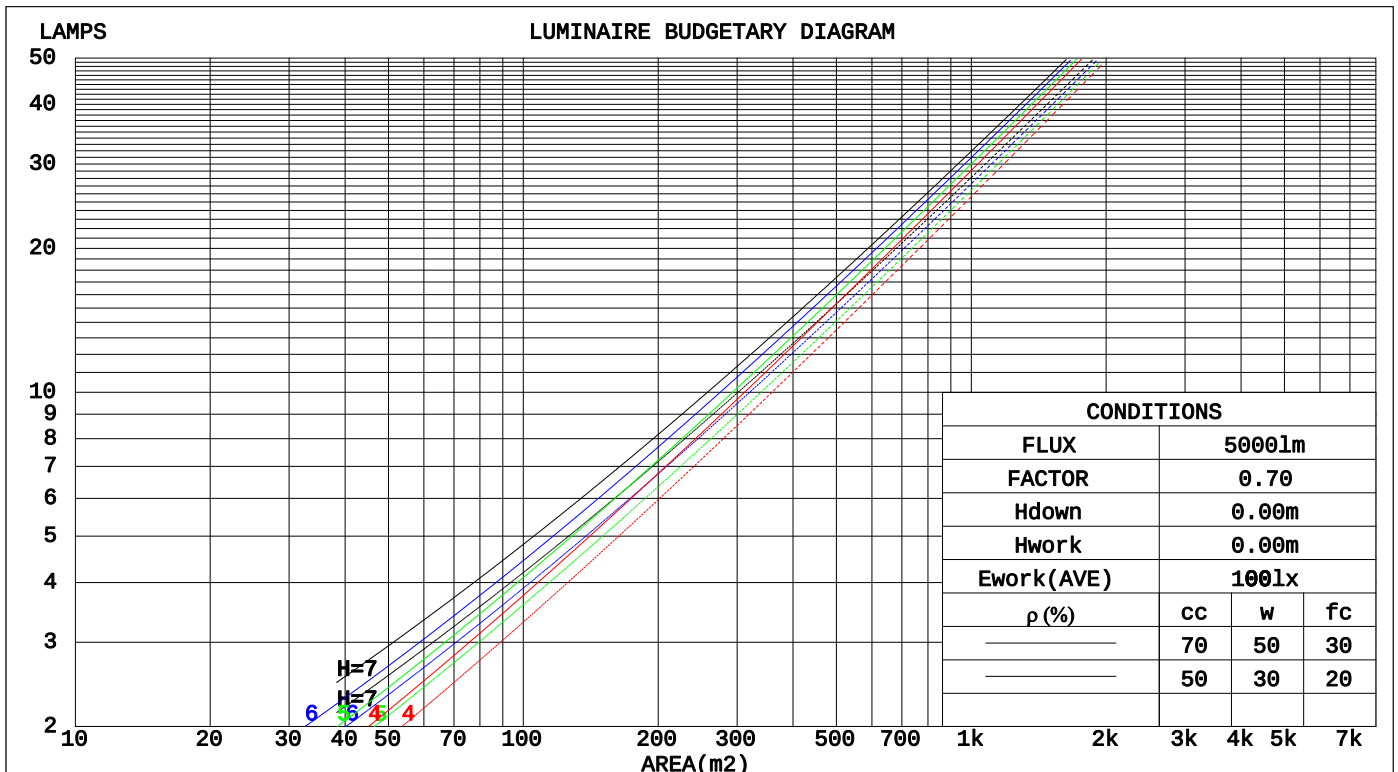
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-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	1.04	1.07	1.05	1.03	1.03	1.01	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.92	.96	.92	.89	.93	.90	.87	.90	.88	.86	.84
3.0	.93	.87	.83	.92	.86	.82	.89	.84	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.86	.80	.75	.85	.79	.75	.82	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.80	.73	.68	.79	.73	.68	.77	.71	.67	.75	.70	.67	.73	.69	.66	.64
6.0	.74	.67	.63	.73	.67	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.59
7.0	.69	.62	.58	.68	.62	.58	.67	.61	.57	.66	.61	.57	.64	.60	.57	.55
8.0	.64	.58	.53	.64	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.57	.52	.49	.48
10.0	.57	.51	.46	.56	.50	.46	.56	.50	.46	.55	.50	.46	.54	.49	.46	.44



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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm																	
NAME: ASD-EXL-RH-2SL-RGW						TYPE:						WEIGHT:					
SPEC.: 4000K						DIM.:						SERIAL No.: s26010001d-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	.198	.113	.036	.191	.109	.035	.178	.102	.033	.167	.096	.031	.156	.090	.029															
2.0	.191	.105	.032	.185	.102	.031	.175	.097	.030	.165	.092	.029	.155	.088	.028															
3.0	.183	.097	.029	.178	.095	.029	.168	.091	.028	.160	.087	.027	.151	.084	.026															
4.0	.174	.090	.027	.169	.089	.026	.161	.085	.026	.154	.082	.025	.147	.080	.024															
5.0	.165	.084	.024	.161	.083	.024	.154	.080	.024	.147	.078	.023	.141	.075	.023															
6.0	.157	.079	.023	.154	.078	.022	.147	.076	.022	.141	.073	.022	.136	.072	.021															
7.0	.149	.074	.021	.147	.073	.021	.141	.071	.021	.136	.069	.020	.131	.068	.020															
8.0	.142	.070	.020	.140	.069	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019															
9.0	.136	.066	.018	.134	.065	.018	.129	.064	.018	.125	.063	.018	.121	.061	.018															
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.059	.017	.116	.058	.017															

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	.145	.149	.136	.125	.102	.094	.086	.059	.054	.050	.019	.017	.016	
2.0	.160	.134	.112	.137	.115	.097	.094	.080	.067	.054	.046	.039	.017	.015	.013	
3.0	.149	.115	.088	.128	.099	.076	.088	.069	.054	.051	.040	.032	.016	.013	.010	
4.0	.140	.101	.071	.120	.087	.062	.082	.061	.043	.048	.036	.026	.015	.012	.008	
5.0	.132	.090	.058	.113	.077	.051	.078	.054	.036	.045	.032	.021	.015	.010	.007	
6.0	.125	.080	.049	.107	.070	.043	.074	.049	.030	.043	.029	.018	.014	.009	.006	
7.0	.118	.073	.041	.102	.063	.036	.070	.044	.026	.041	.026	.015	.013	.009	.005	
8.0	.113	.067	.036	.097	.058	.031	.067	.041	.022	.039	.024	.013	.013	.008	.004	
9.0	.108	.062	.031	.093	.054	.027	.064	.038	.019	.037	.022	.012	.012	.007	.004	
10.0	.103	.058	.028	.089	.050	.024	.061	.035	.017	.036	.021	.010	.012	.007	.003	

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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm										
NAME: ASD-EXL-RH-2SL-RGW					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.: s26010001d-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, 244.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.9)
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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

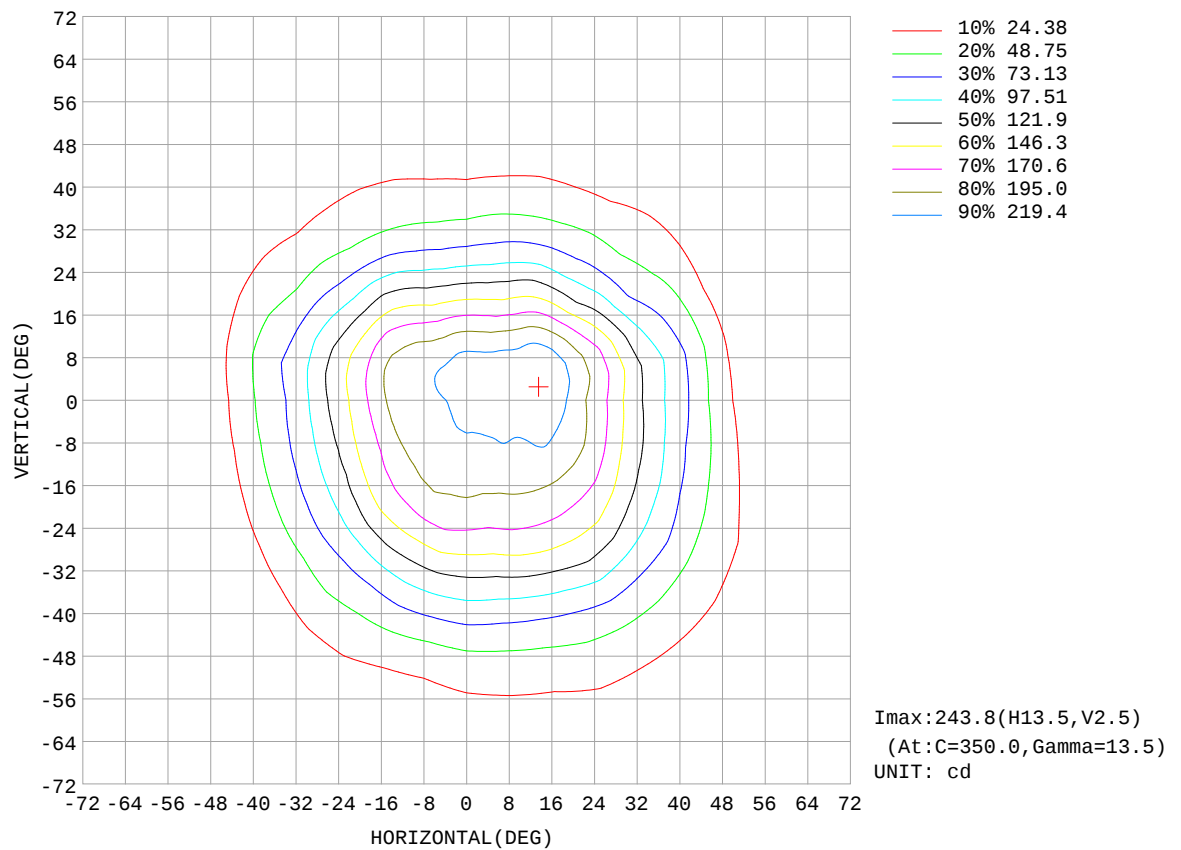
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	71	67	79	71	67	78	71	67	62
0.80	88	81	76	87	80	76	86	80	75	71
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	103	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	102	105	102	99	93
4.00	112	109	106	110	107	105	106	104	102	95
5.00	114	111	109	111	109	107	107	105	104	96
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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

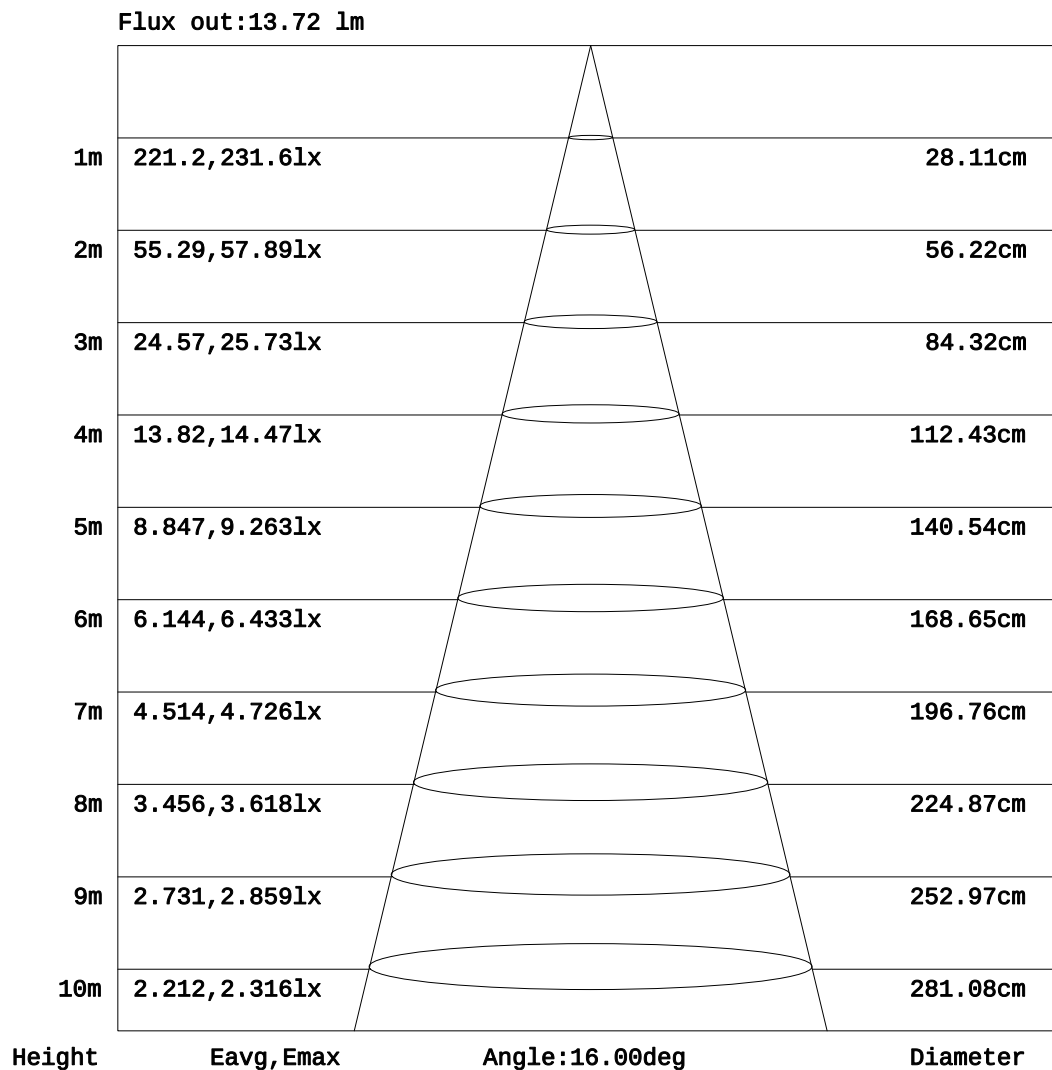


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:
Stability time:0 s

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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

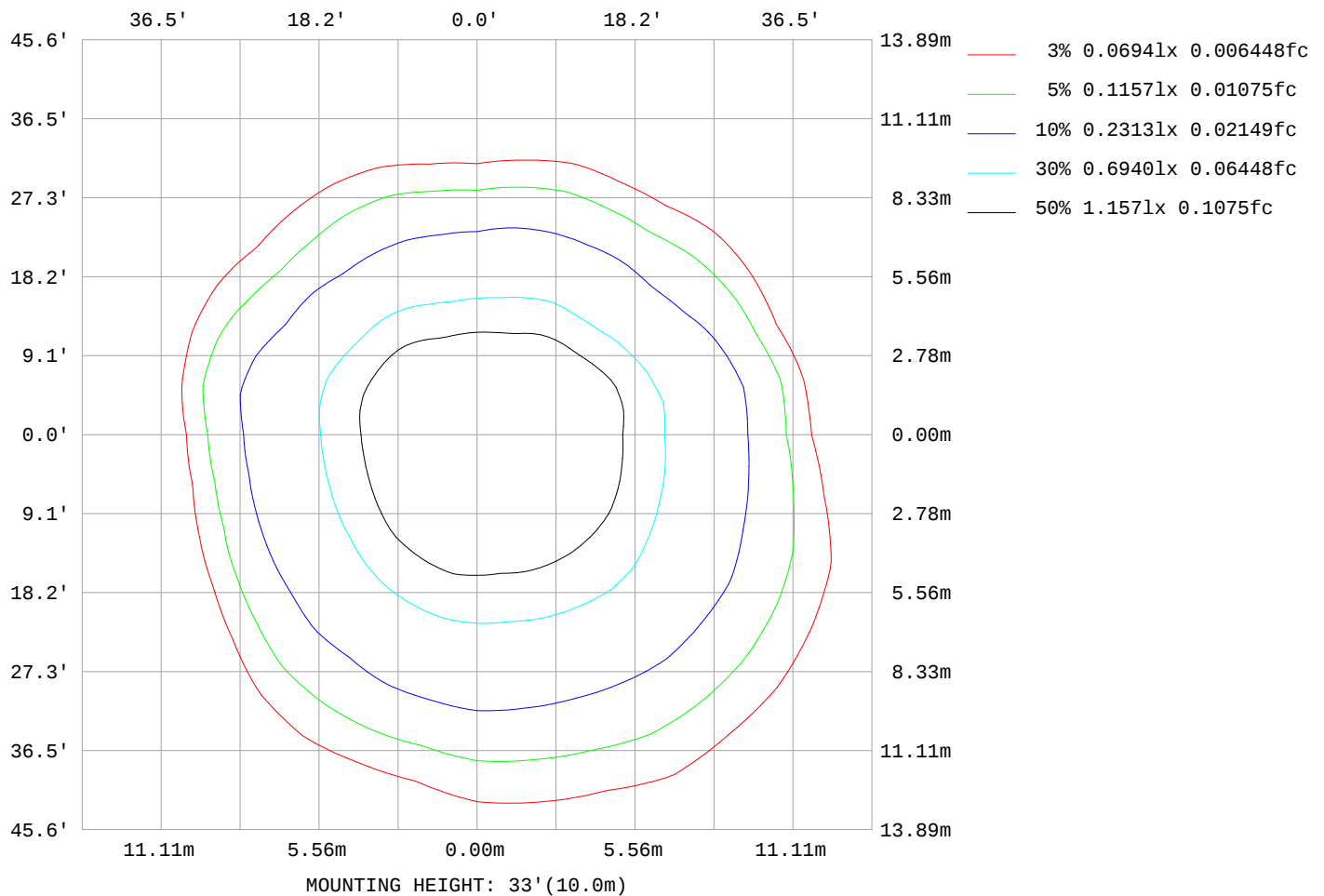


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date:
 Stability time: 0 s

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

ISOLUX DIAGRAM

Test:U:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm		
NAME: ASD-EXL-RH-2SL-RGW	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26010001d-01
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

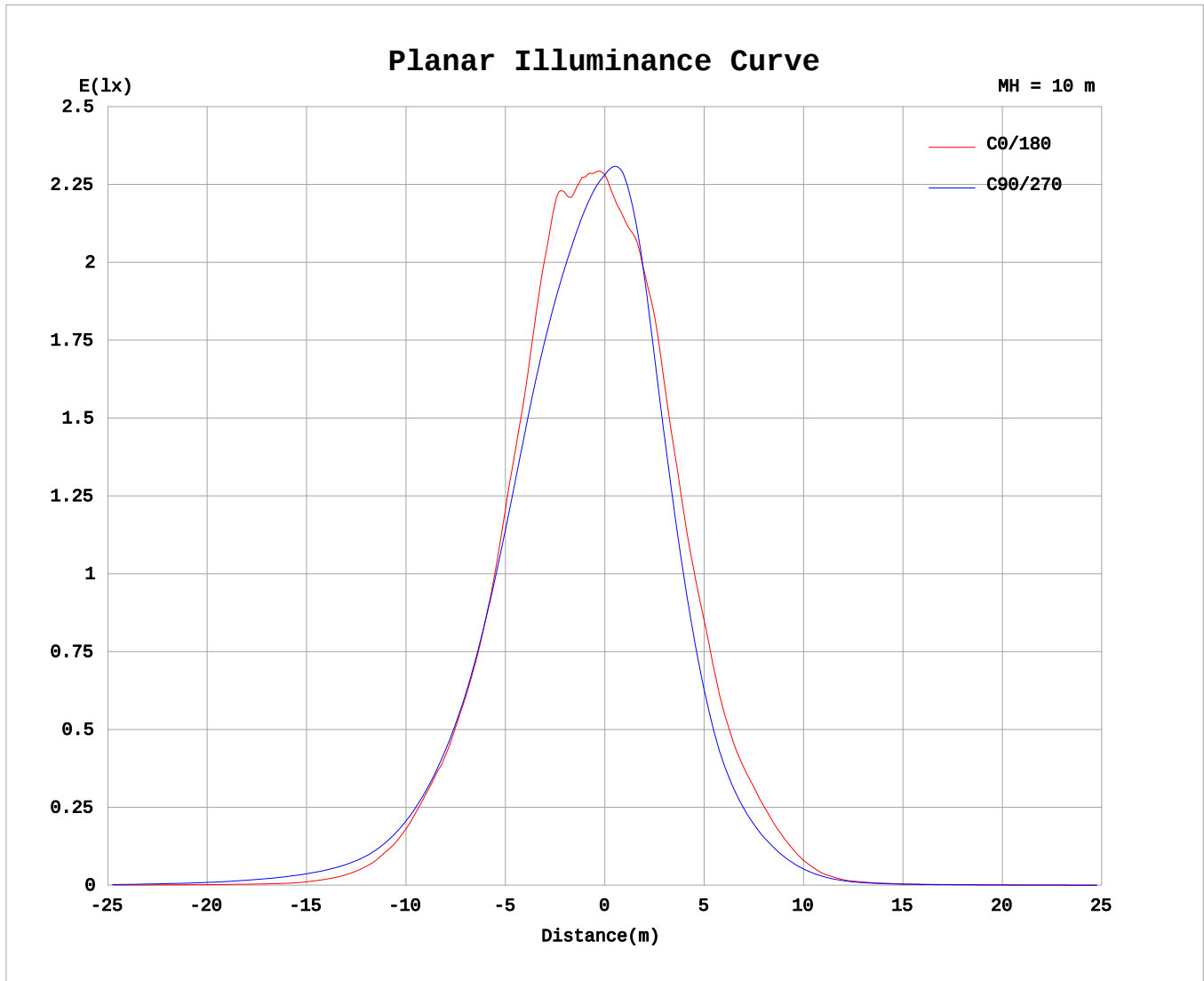
AvgL	cd/m2
L_0~180(65)av	47
L_0~180(75)av	45
L_0~180(85)av	59
L_90~270(65)av	110
L_90~270(75)av	40
L_90~270(85)av	52
L_45(65)av	89
L_45(75)av	46
L_45(85)av	37

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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm																		
NAME: ASD-EXL-RH-2SL-RGW									TYPE:					WEIGHT:				
SPEC.: 4000K									DIM.:					SERIAL No.: s26010001d-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	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
5	231	230	229	227	226	224	223	222	221	221	221	220	219	218	217	217	217	217	218
10	231	228	225	223	222	220	216	214	213	213	213	210	208	209	211	212	211	212	213
15	237	233	229	222	214	210	209	204	203	203	203	202	201	197	195	193	192	193	195
20	211	211	210	207	205	200	195	191	188	189	189	189	182	177	170	163	160	160	162
25	179	183	187	188	183	181	178	173	167	167	169	163	157	152	142	132	126	126	128
30	141	145	152	160	162	158	155	149	142	140	139	132	127	118	106	101	96.0	93.5	94.2
35	110	115	120	127	135	134	127	120	113	112	108	102	93.7	84.8	80.3	74.1	70.0	68.5	68.6
40	82.1	83.1	91.7	97.9	103	105	95.2	89.2	84.9	84.5	79.3	74.5	65.7	62.1	55.7	51.6	47.6	45.0	47.0
45	51.1	58.1	64.1	72.8	72.8	73.7	67.8	62.8	59.9	58.4	52.5	49.8	45.5	42.6	35.5	29.2	24.7	21.7	22.7
50	24.0	32.3	42.3	47.3	49.4	49.0	47.2	41.9	38.8	36.6	31.0	30.1	29.5	25.7	18.3	12.8	8.85	7.13	7.23
55	8.96	15.7	26.2	29.3	31.3	31.1	32.0	27.3	26.0	24.2	20.2	18.3	17.3	12.4	7.81	4.51	3.42	2.97	3.16
60	3.48	5.90	12.9	18.3	17.9	18.9	19.6	17.5	17.1	15.9	14.1	11.9	9.81	5.07	2.79	2.24	2.00	1.91	2.01
65	2.29	2.61	4.78	10.7	11.2	10.8	10.7	9.47	8.71	8.38	8.24	7.09	4.61	2.18	1.52	1.36	1.40	1.55	1.65
70	1.82	1.82	2.17	5.01	6.40	5.72	4.76	3.66	3.07	3.46	4.14	3.70	1.77	1.16	1.07	1.04	1.06	1.16	1.28
75	1.43	1.30	1.27	2.00	3.00	3.00	1.92	1.42	1.31	1.62	1.99	1.80	0.92	0.80	0.76	0.74	0.74	0.83	0.91
80	1.06	0.82	0.78	0.87	1.24	1.36	1.13	1.07	1.06	1.06	0.93	0.88	0.63	0.55	0.50	0.48	0.46	0.48	0.61
85	0.70	0.49	0.46	0.53	0.66	0.63	0.74	0.77	0.75	0.68	0.53	0.49	0.43	0.37	0.31	0.26	0.22	0.23	0.32
90	0.02	0.23	0.30	0.34	0.41	0.48	0.56	0.59	0.58	0.53	0.44	0.35	0.28	0.23	0.18	0.14	0.12	0.10	0.05
95	0.00	0.14	0.17	0.21	0.26	0.32	0.38	0.40	0.40	0.34	0.28	0.22	0.17	0.14	0.12	0.08	0.04	0.02	0.00
100	0.09	0.10	0.10	0.12	0.16	0.21	0.24	0.26	0.25	0.20	0.16	0.13	0.09	0.07	0.05	0.01	0.01	0.01	0.00
105	0.05	0.06	0.08	0.08	0.09	0.12	0.14	0.15	0.15	0.12	0.09	0.07	0.04	0.02	0.00	0.01	0.01	0.00	0.00
110	0.01	0.02	0.04	0.05	0.05	0.07	0.07	0.08	0.09	0.06	0.05	0.03	0.02	0.00	0.01	0.01	0.01	0.00	0.00
115	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
120	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.02
125	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04
130	0.02	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.07
135	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.10
140	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.15
145	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.11	0.19
150	0.11	0.10	0.09	0.08	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.15	0.24
155	0.14	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.08	0.07	0.07	0.11	0.20	0.28
160	0.18	0.17	0.15	0.14	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.10	0.17	0.25	0.31
165	0.21	0.20	0.19	0.17	0.15	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.13	0.17	0.23	0.28	0.32
170	0.24	0.23	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.16	0.18	0.20	0.24	0.27	0.30	0.32
175	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30
180	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29

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:10.900V I:0.3452A P:3.7600W PF:0.0000 Freq:0Hz Lamp Flux:244.93x1 lm																		
NAME: ASD-EXL-RH-2SL-RGW									TYPE:					WEIGHT:				
SPEC.: 4000K									DIM.:					SERIAL No.: s26010001d-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	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228		
5	219	220	222	223	224	226	229	231	232	232	232	233	233	233	233	233	232		
10	215	217	217	214	212	211	211	214	215	216	217	221	227	231	233	234	233		
15	200	202	201	196	191	181	176	177	178	179	184	195	207	224	236	242	241		
20	166	168	169	167	159	149	138	136	137	140	146	161	180	195	209	218	217		
25	133	134	128	123	123	113	102	97.3	98.9	103	112	126	135	145	164	182	186		
30	100	100	93.8	84.2	81.6	77.4	69.9	65.3	66.4	72.0	80.5	88.5	92.2	102	120	139	147		
35	74.6	68.8	62.1	57.5	50.6	48.8	47.0	44.6	44.8	50.0	54.2	58.7	64.2	69.4	76.4	96.9	113		
40	53.0	48.5	38.4	34.8	32.5	33.1	32.5	29.7	28.6	32.1	35.7	37.5	41.3	44.6	53.3	69.6	83.7		
45	28.8	28.4	25.3	21.0	21.1	21.2	19.7	16.1	14.8	17.6	20.9	21.8	24.0	30.5	35.8	41.9	51.6		
50	10.0	11.0	13.8	13.6	12.3	11.6	9.52	6.60	5.87	7.90	10.3	11.2	14.3	16.9	16.2	16.0	21.8		
55	3.70	3.60	5.73	7.74	6.48	5.34	4.31	2.84	2.59	3.44	4.53	5.19	7.87	7.00	4.62	4.44	6.81		
60	2.02	1.86	2.21	2.84	3.13	2.33	1.99	1.54	1.55	1.61	1.95	2.51	2.99	2.12	1.87	2.25	2.99		
65	1.49	1.11	1.02	0.92	1.48	0.99	0.90	0.84	0.88	0.84	0.93	1.26	1.12	1.03	1.13	1.49	2.04		
70	1.05	0.74	0.60	0.60	0.67	0.57	0.59	0.61	0.64	0.68	0.66	0.71	0.65	0.70	0.76	1.03	1.49		
75	0.67	0.48	0.40	0.40	0.43	0.41	0.42	0.44	0.45	0.49	0.48	0.46	0.45	0.47	0.51	0.65	0.99		
80	0.37	0.28	0.25	0.24	0.25	0.28	0.32	0.34	0.35	0.36	0.34	0.30	0.29	0.31	0.33	0.38	0.53		
85	0.15	0.11	0.10	0.13	0.15	0.19	0.21	0.22	0.23	0.23	0.22	0.19	0.18	0.18	0.18	0.19	0.18		
90	0.01	0.02	0.05	0.08	0.10	0.11	0.11	0.12	0.13	0.12	0.12	0.11	0.11	0.12	0.11	0.10	0.06		
95	0.00	0.01	0.03	0.05	0.07	0.07	0.06	0.07	0.08	0.07	0.06	0.05	0.05	0.06	0.06	0.04	0.03		
100	0.00	0.01	0.01	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.04		
105	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.01	0.02	0.02		
110	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00		
115	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00		
120	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00		
125	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01		
130	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.02		
135	0.10	0.11	0.12	0.12	0.11	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03		
140	0.15	0.15	0.15	0.15	0.15	0.15	0.13	0.11	0.10	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05		
145	0.19	0.19	0.19	0.19	0.20	0.18	0.16	0.14	0.13	0.11	0.10	0.10	0.09	0.08	0.08	0.07	0.08		
150	0.24	0.22	0.23	0.23	0.23	0.21	0.20	0.17	0.16	0.14	0.13	0.12	0.12	0.11	0.11	0.10	0.11		
155	0.28	0.27	0.26	0.26	0.25	0.24	0.22	0.20	0.18	0.17	0.16	0.15	0.14	0.14	0.13	0.13	0.14		
160	0.32	0.30	0.29	0.28	0.27	0.25	0.24	0.22	0.21	0.20	0.19	0.18	0.17	0.17	0.16	0.17	0.17		
165	0.33	0.32	0.30	0.29	0.28	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.20	0.20	0.20	0.20	0.21		
170	0.32	0.32	0.31	0.30	0.29	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.23	0.23	0.23	0.24	0.24		
175	0.30	0.30	0.30	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26		
180	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29		

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