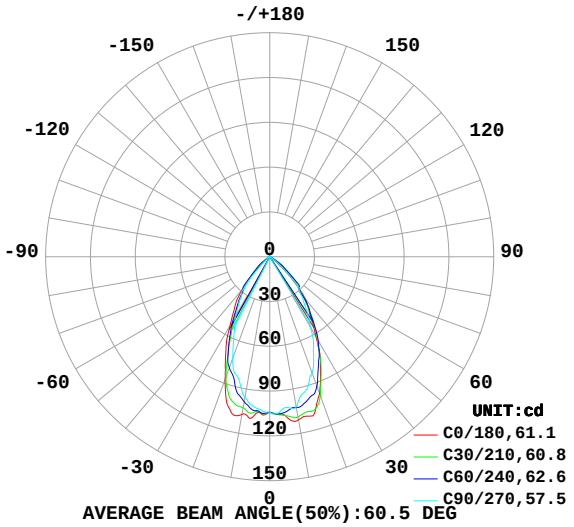
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

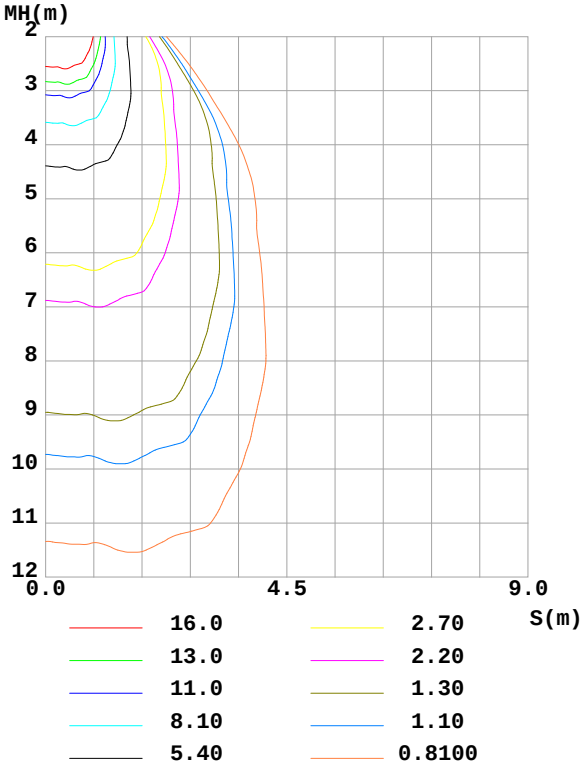
DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.59 lm/W			
MODEL	ASD-ERH-1SL-W	Imax(cd)	112.3	S/MH(C0/180)	0.93
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	3.6	TOTAL FLUX(lm)	119.22	η UP,DN(C0-180)	0.1,53.5
NOMINAL FLUX(lm)	119.222	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,46.4
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	3.6	η down(%)	99.8	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):60.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

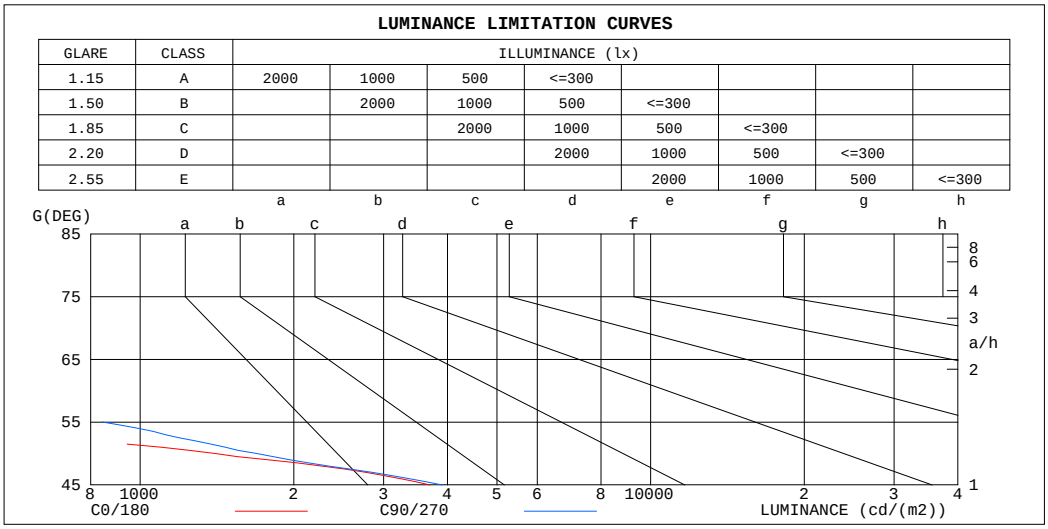
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	110.9	105.8	102.2	107.0	107.2	102.1	95.64	105.0	0- 10	10.00	10.00	8.39,8.39
20	97.52	95.67	82.75	93.25	87.52	82.01	72.50	87.10	10- 20	27.47	37.48	31.4,31.4
30	62.25	65.43	55.04	57.05	53.07	48.11	45.31	53.65	20- 30	32.66	70.13	58.8,58.8
40	37.26	34.10	32.11	30.34	28.86	22.54	26.15	26.16	30- 40	26.16	96.30	80.8,80.8
50	7.291	17.89	8.809	14.97	3.997	11.43	4.521	13.54	40- 50	15.49	111.8	93.8,93.8
60	1.056	5.370	2.044	4.046	0.8949	2.433	1.575	3.041	50- 60	4.932	116.7	97.9,97.9
70	0.6706	1.116	1.168	0.8203	0.6265	0.7635	1.037	0.8506	60- 70	1.317	118.0	99,99
80	0.3886	0.5023	0.7937	0.4309	0.1647	0.3549	0.5911	0.3746	70- 80	0.6861	118.7	99.6,99.6
90	0.0919	0.1940	0.3057	0.1665	0	0.1359	0.2087	0.1416	80- 90	0.3088	119.0	99.8,99.8
100	0.0198	0.0479	0.1001	0.0386	0	0.0236	0.0482	0.0225	90-100	0.0972	119.1	99.9,99.9
110	0	0	0.0095	0	0	0	0.0018	0	100-110	0.0128	119.1	99.9,99.9
120	0	0	0	0	0	0.0006	0	0.0016	110-120	0.0002	119.1	99.9,99.9
130	0.0024	0.0025	0.0010	0.0015	0.0115	0.0131	0.0110	0.0109	120-130	0.0023	119.1	99.9,99.9
140	0.0140	0.0119	0.0110	0.0123	0.0366	0.0379	0.0360	0.0353	130-140	0.0119	119.2	99.9,99.9
150	0.0273	0.0256	0.0250	0.0260	0.0566	0.0581	0.0583	0.0566	140-150	0.0207	119.2	100,100
160	0.0412	0.0415	0.0394	0.0410	0.0630	0.0663	0.0676	0.0664	150-160	0.0222	119.2	100,100
170	0.0536	0.0542	0.0546	0.0538	0.0666	0.0672	0.0693	0.0702	160-170	0.0164	119.2	100,100
180	0.0671	0.0668	0.0671	0.0688	0.0673	0.0666	0.0668	0.0682	170-180	0.0061	119.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

LUMINANCE LIMITATION CURVES

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	276	738
80	276	564
75	258	456
70	242	421
65	238	423
60	261	504
55	475	844
50	1400	1690
45	3696	3904

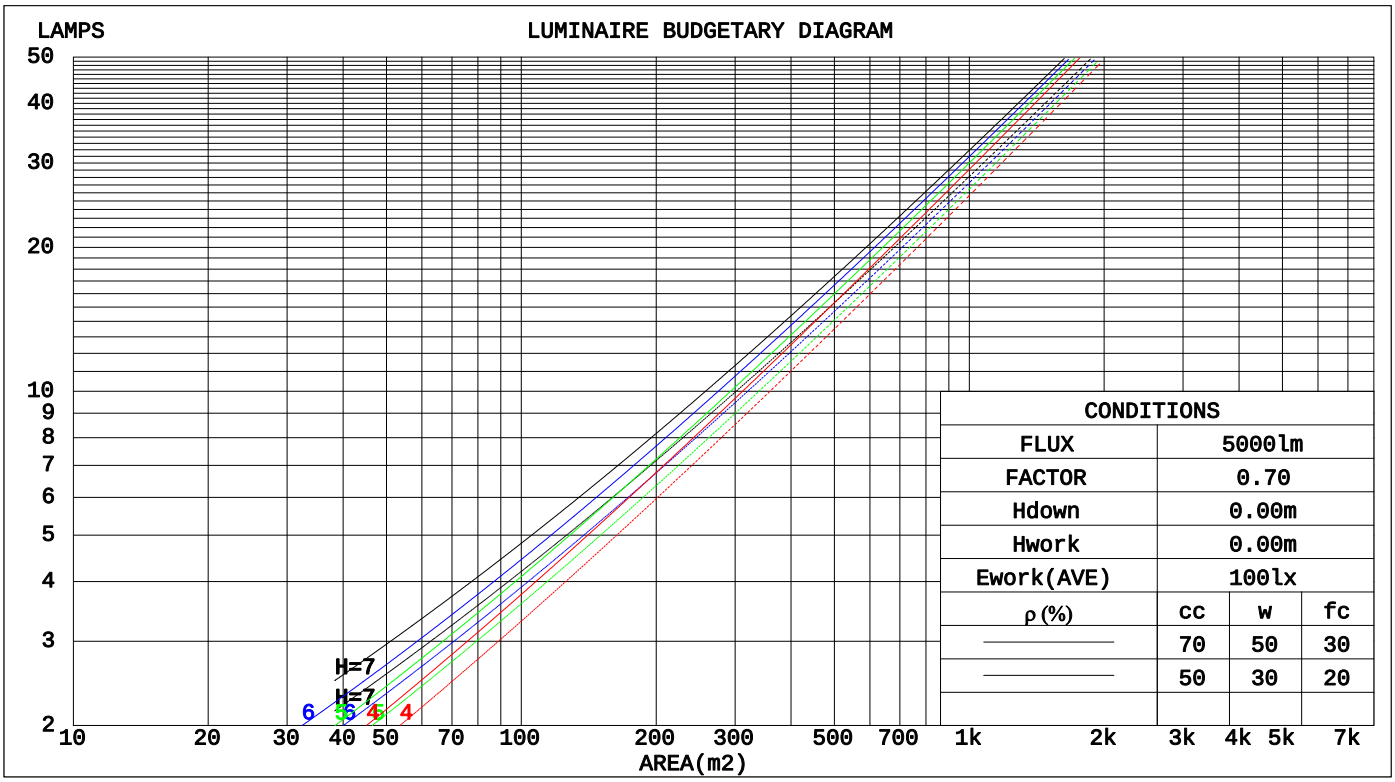
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-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			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	.99	.00	.98	.96	.96	.95	.94	.92
2.0	1.01	.96	.93	.99	.95	.91	.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	.57	.67	.61	.57	.66	.61	.57	.64	.60	.56	.55
8.0	.64	.58	.53	.64	.58	.53	.63	.57	.53	.62	.56	.53	.61	.56	.52	.51
9.0	.60	.54	.50	.60	.54	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.55	.49	.46	.54	.49	.46	.44



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

WEC AND CCEC

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-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 Coeffcients(WEC)									
0.0																
1.0	.199	.113	.036	.192	.110	.035	.179	.103	.033	.167	.097	.031	.157	.091	.029	
2.0	.191	.105	.032	.186	.102	.032	.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	.148	.078	.023	.141	.075	.023	
6.0	.157	.079	.023	.154	.078	.022	.147	.076	.022	.141	.074	.022	.136	.072	.021	
7.0	.150	.074	.021	.147	.073	.021	.141	.071	.021	.136	.070	.020	.131	.068	.020	
8.0	.143	.070	.020	.140	.069	.019	.135	.067	.019	.130	.066	.019	.126	.065	.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	.060	.017	.116	.058	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.174	.158	.144	.149	.136	.124	.102	.093	.086	.059	.054	.050	.019	.017	.016	
2.0	.160	.134	.111	.137	.115	.096	.094	.080	.067	.054	.046	.039	.017	.015	.013	
3.0	.149	.115	.088	.128	.099	.076	.088	.069	.053	.051	.040	.032	.016	.013	.010	
4.0	.139	.101	.071	.120	.087	.062	.082	.061	.043	.048	.035	.026	.015	.012	.008	
5.0	.131	.089	.058	.113	.077	.051	.078	.054	.036	.045	.032	.021	.015	.010	.007	
6.0	.124	.080	.049	.107	.069	.042	.074	.049	.030	.043	.029	.018	.014	.009	.006	
7.0	.118	.073	.041	.102	.063	.036	.070	.044	.025	.041	.026	.015	.013	.009	.005	
8.0	.112	.067	.035	.097	.058	.031	.067	.041	.022	.039	.024	.013	.013	.008	.004	
9.0	.107	.062	.031	.092	.054	.027	.064	.038	.019	.037	.022	.011	.012	.007	.004	
10.0	.103	.057	.027	.088	.050	.024	.061	.035	.017	.036	.021	.010	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

UGR(Unified Glare Rating) Table

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-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, 119.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -7.4)
Area: 0.0081 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

UTILIZATION FACTORS TABLE

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

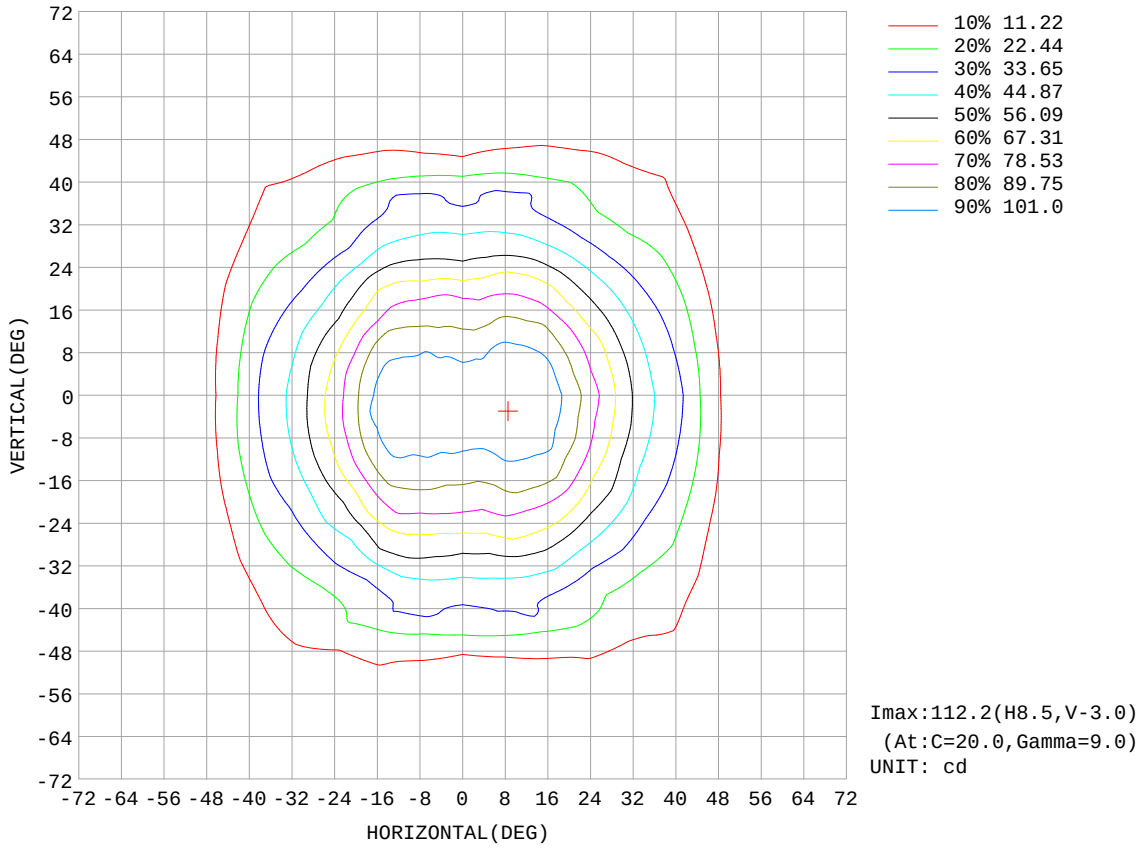
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	79	71	67	79	71	67	78	71	67	62
0.80	88	81	76	87	80	76	86	80	75	71
1.00	94	87	83	93	87	82	91	87	82	77
1.25	99	93	89	98	92	88	96	91	87	82
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	105	100	97	102	98	95	89
2.50	108	104	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	108	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: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

ISOCANDELA DIAGRAM

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:



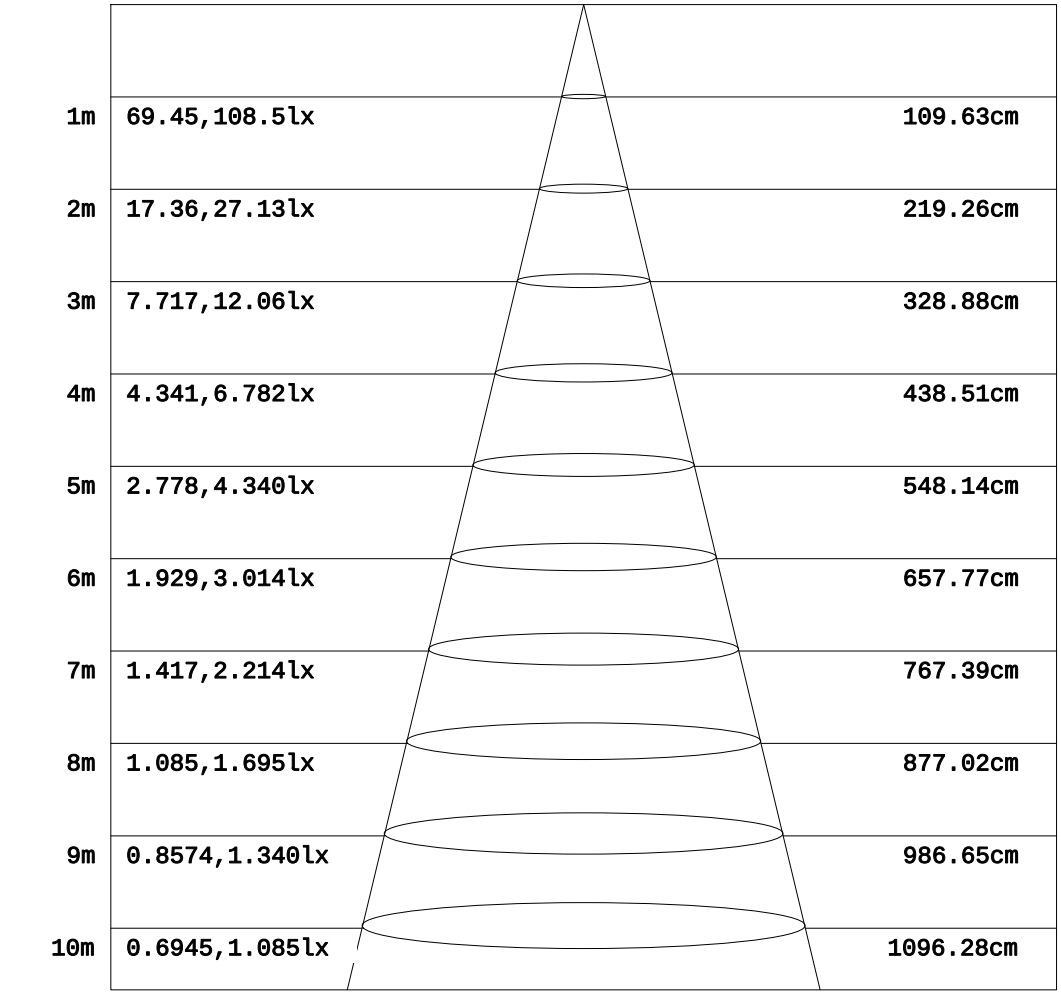
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

AAI Figure

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

Flux out:67.04 lm



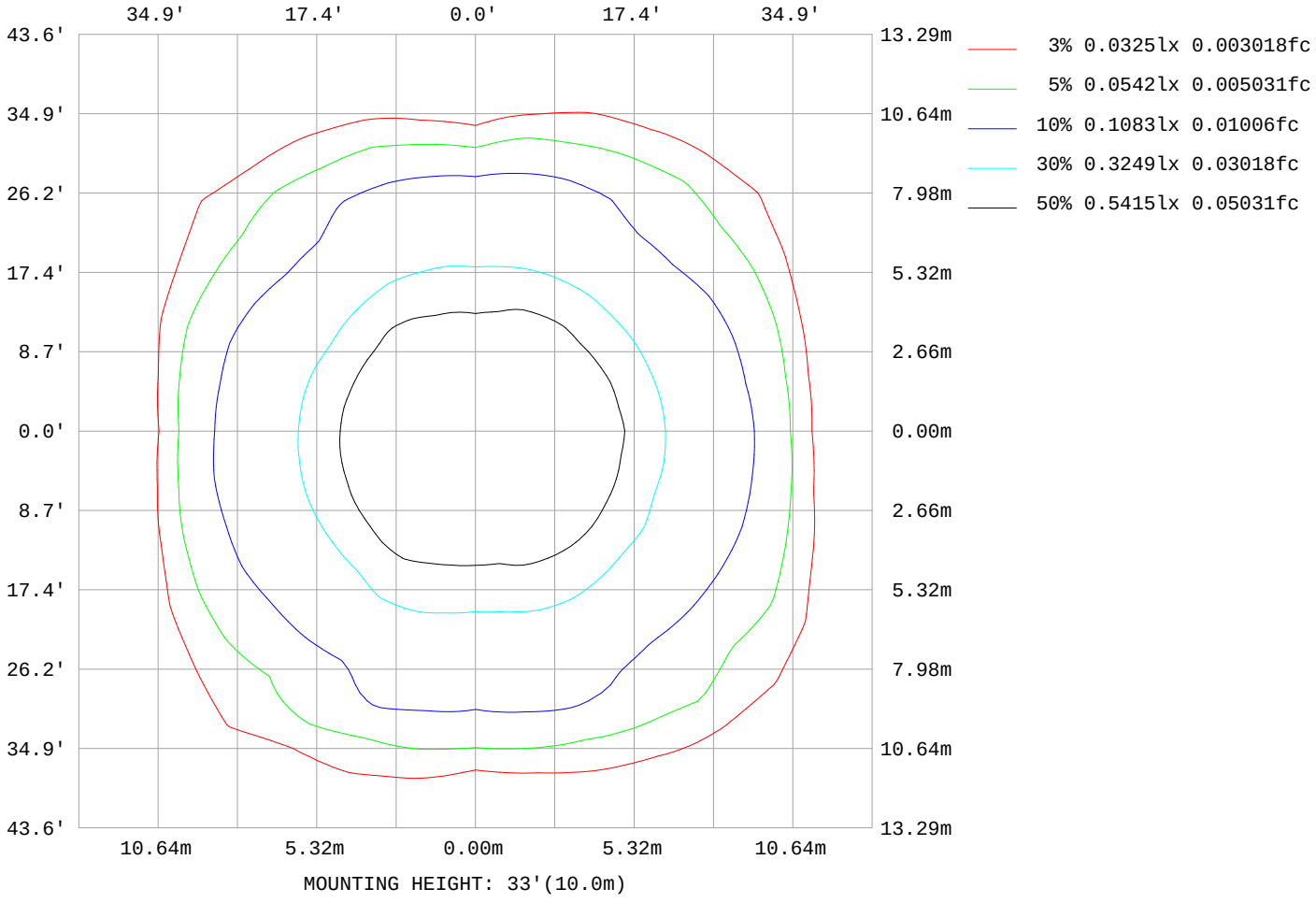
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

ISOLUX DIAGRAM

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

LED Avg.L Report

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

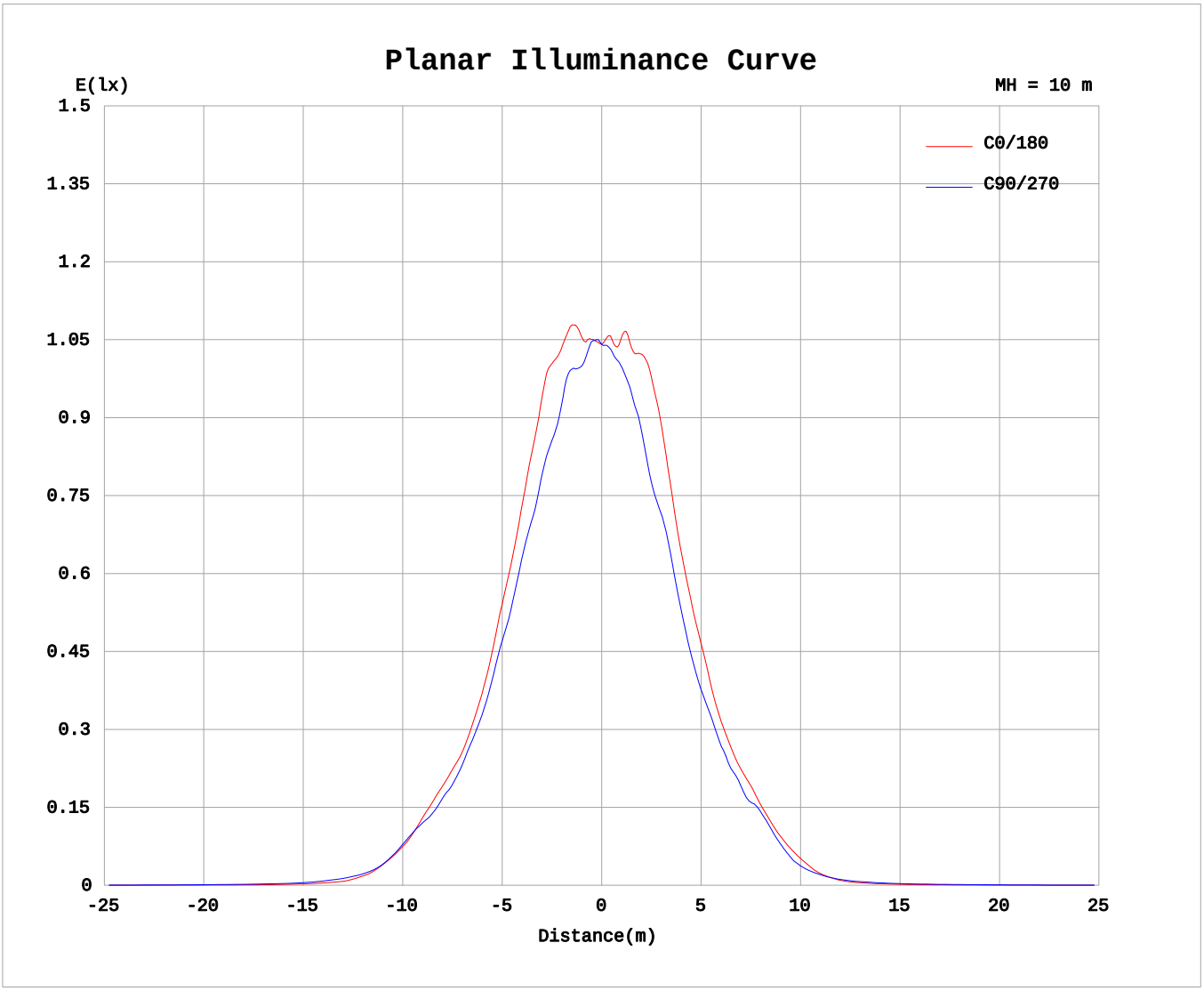
AvgL	cd/m2
L_0~180(65)av	226
L_0~180(75)av	226
L_0~180(85)av	142
L_90~270(65)av	393
L_90~270(75)av	437
L_90~270(85)av	609
L_45(65)av	455
L_45(75)av	287
L_45(85)av	374

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-01
MFR.: ASD LIGHTING CORP.	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
5	106	106	107	107	107	106	105	104	102	102	104	105	106	106	106	106	106	106	105
10	111	112	111	109	107	105	102	102	101	102	104	103	104	107	107	107	108	108	107
15	110	111	108	107	106	103	99.0	93.6	92.5	92.9	93.7	95.7	97.3	100	105	105	105	108	105
20	97.5	96.1	96.5	99.1	96.6	94.8	92.4	86.1	82.0	82.7	84.7	87.3	90.0	93.2	93.3	93.5	91.3	89.0	87.5
25	80.5	79.2	80.9	81.5	83.4	80.3	77.5	75.6	69.3	69.1	70.2	73.6	79.1	77.3	74.7	73.3	71.3	70.5	69.6
30	62.3	62.7	63.3	63.7	65.1	65.8	65.0	62.9	56.3	55.0	58.7	63.5	62.8	59.0	55.2	55.8	55.5	54.2	53.1
35	46.8	47.5	46.5	49.3	47.1	47.9	48.5	47.2	44.0	42.4	45.1	46.9	45.3	41.6	43.1	40.6	40.7	41.1	40.7
40	37.3	37.0	36.0	35.1	35.1	33.1	34.9	34.5	34.7	32.1	35.4	34.8	29.5	31.1	29.6	30.5	30.6	29.7	28.9
45	21.2	22.9	24.6	25.6	23.7	22.4	28.3	27.8	24.2	22.4	23.1	27.9	23.0	19.9	21.2	20.9	19.1	16.3	14.7
50	7.29	8.91	13.2	17.3	16.4	19.4	15.7	13.3	10.4	8.81	11.6	13.4	14.5	16.0	14.0	11.6	7.22	5.13	4.00
55	2.21	2.33	3.61	8.55	12.8	9.31	9.71	6.00	4.53	3.93	5.05	7.85	8.91	9.61	9.03	3.89	2.23	1.56	1.46
60	1.06	1.23	1.49	2.96	5.20	5.54	3.55	2.92	2.34	2.04	2.54	2.85	4.26	4.63	3.46	1.67	1.14	1.02	0.89
65	0.81	0.86	0.94	1.34	1.86	2.53	1.87	1.60	1.50	1.45	1.45	1.49	1.74	1.75	1.01	0.88	0.80	0.77	0.74
70	0.67	0.67	0.69	0.77	0.98	1.25	1.05	1.21	1.17	1.17	1.17	0.99	1.10	0.92	0.72	0.68	0.62	0.62	0.63
75	0.54	0.53	0.55	0.59	0.65	0.81	0.84	0.89	0.96	0.96	0.93	0.79	0.71	0.63	0.56	0.56	0.50	0.43	0.41
80	0.39	0.39	0.40	0.44	0.47	0.53	0.65	0.70	0.80	0.79	0.74	0.63	0.52	0.45	0.41	0.39	0.30	0.20	0.16
85	0.20	0.22	0.23	0.27	0.31	0.33	0.42	0.48	0.51	0.52	0.49	0.44	0.33	0.30	0.27	0.20	0.14	0.05	0.01
90	0.09	0.11	0.13	0.16	0.18	0.21	0.25	0.27	0.29	0.31	0.27	0.25	0.22	0.18	0.15	0.11	0.05	0.00	0.00
95	0.04	0.05	0.07	0.10	0.12	0.12	0.15	0.18	0.19	0.19	0.17	0.18	0.12	0.11	0.09	0.05	0.01	0.00	0.00
100	0.02	0.02	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.08	0.07	0.05	0.04	0.03	0.01	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	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
120	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
125	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
130	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	0.01
135	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	0.01	0.01	0.01	0.01	0.02
140	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	0.01	0.01	0.01	0.01	0.04
145	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	0.02	0.02	0.02	0.02	0.05
150	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06
155	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06
160	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06
165	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	0.05	0.05	0.05	0.06
170	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.05	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.07
175	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
180	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.6600V I:0.2522A P:0.9200W PF:0.0000 Freq:0Hz Lamp Flux:119.222x1 lm		
NAME: ASD-ERH-1SL-W	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.: s26050035a-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	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104		
5	105	104	104	103	103	103	103	103	102	102	102	102	103	104	105	106	106		
10	106	104	103	102	102	98.7	97.5	95.9	95.6	95.6	96.4	100	104	106	108	109	110		
15	104	103	99.5	97.0	93.4	89.5	85.7	85.4	83.3	84.3	87.8	94.7	97.3	100	103	106	108		
20	87.4	85.8	85.7	83.1	80.9	79.2	76.6	75.4	72.5	73.9	78.8	82.5	84.3	89.9	90.8	92.3	93.3		
25	67.9	65.8	64.1	64.4	67.7	65.0	60.2	58.6	56.5	59.8	65.6	68.6	71.1	70.5	72.9	75.7	76.7		
30	52.2	50.6	47.7	48.1	48.1	49.5	47.7	47.3	45.3	47.3	49.0	50.9	53.3	54.0	56.0	58.8	60.5		
35	39.4	37.6	34.8	33.4	32.0	36.6	36.6	37.0	34.8	37.0	37.1	37.4	37.0	39.1	41.9	43.6	45.2		
40	28.2	27.6	25.4	22.5	22.6	27.9	31.4	28.6	26.1	30.2	33.1	27.3	25.6	26.7	30.1	32.7	34.4		
45	16.0	17.4	16.7	16.3	18.6	16.9	16.3	12.9	10.7	15.1	16.9	19.8	19.3	18.8	21.3	21.4	20.6		
50	5.04	7.21	9.95	12.6	10.3	10.2	7.94	5.84	4.52	6.38	9.31	11.2	13.2	13.9	12.4	9.52	7.15		
55	1.79	2.28	3.90	5.92	6.74	4.69	3.55	2.80	2.39	3.01	4.09	6.27	7.15	9.14	4.35	2.79	2.12		
60	0.95	1.05	1.59	2.06	2.81	2.05	1.97	1.64	1.57	1.73	2.11	2.38	3.92	2.16	1.98	1.28	1.08		
65	0.76	0.76	0.80	1.06	1.36	1.24	1.26	1.24	1.24	1.31	1.22	1.35	1.49	1.14	0.93	0.85	0.79		
70	0.62	0.60	0.61	0.68	0.84	0.87	0.90	0.99	1.04	1.03	0.97	0.96	0.93	0.77	0.68	0.63	0.65		
75	0.43	0.45	0.46	0.50	0.56	0.63	0.74	0.82	0.88	0.84	0.75	0.67	0.61	0.53	0.51	0.50	0.52		
80	0.20	0.29	0.31	0.34	0.37	0.45	0.52	0.57	0.59	0.58	0.53	0.47	0.39	0.36	0.36	0.37	0.38		
85	0.07	0.14	0.17	0.21	0.24	0.28	0.29	0.32	0.34	0.32	0.31	0.30	0.24	0.22	0.21	0.20	0.19		
90	0.01	0.06	0.09	0.12	0.15	0.16	0.18	0.18	0.21	0.19	0.19	0.16	0.15	0.13	0.12	0.10	0.09		
95	0.00	0.02	0.05	0.07	0.07	0.09	0.10	0.11	0.13	0.10	0.10	0.08	0.08	0.07	0.06	0.05	0.04		
100	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.02	0.02	0.02		
105	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00		
110	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		
115	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		
120	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		
125	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
130	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	0.01	0.01	0.01		
135	0.02	0.02	0.03	0.03	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		
140	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03		
145	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	0.05	0.05		
150	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
155	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
160	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	0.07	0.07	0.06		
165	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	0.07	0.07	0.07		
170	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07		
175	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07		
180	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:28 May 2026
Stability time:1490 s

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.494
Humidity:65.0%
Test Distance:2.474m [K=1.0000]
Remarks: Stability time:1490 s