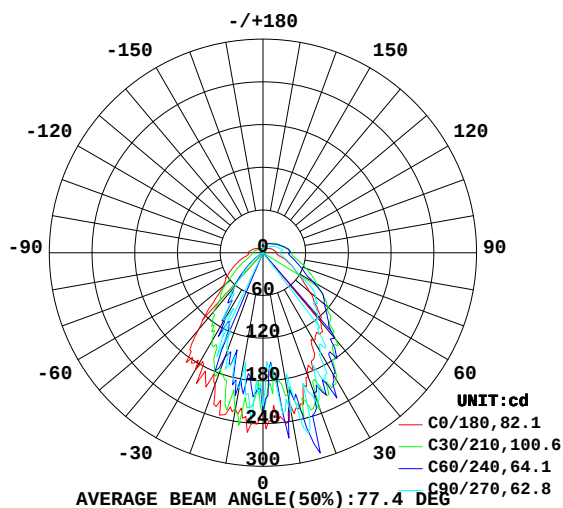


LUMINAIRE PHOTOMETRIC TEST REPORT

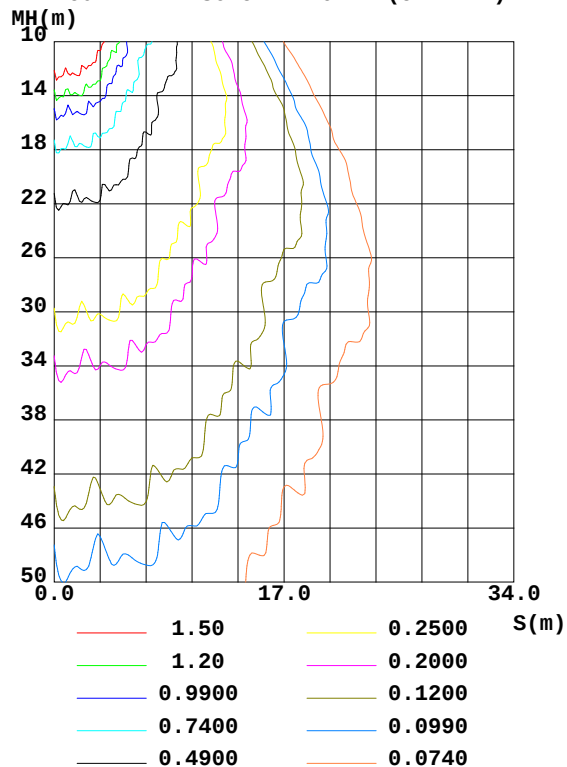
Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 30.45 lm/W			
model	ASD-LWS26S-MV-24D20CC-WH	I _{max} (cd)	292.6	S/MH(C0/180)	1.21
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	553.33	η UP, DN(C0-180)	12.4, 54.3
NOMINAL FLUX(lm)	553.329	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	3.1, 30.3
LAMPS INSIDE	1	η up(%)	15.4	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	120	η down(%)	84.6	CIBSE SHR MAX	1.15

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.500m [K=1.0388]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	214.8	222.9	228.0	204.6	222.9	191.3	193.4	211.3	0- 10	19.22	19.22	3.47, 3.47
20	185.8	208.5	225.7	266.9	196.8	173.6	146.0	153.4	10- 20	57.07	76.28	13.8, 13.8
30	142.2	207.0	162.8	191.6	190.3	117.3	109.5	101.6	20- 30	80.10	156.4	28.3, 28.3
40	127.2	158.1	120.8	146.6	141.2	75.90	59.28	78.40	30- 40	84.55	240.9	43.5, 43.5
50	84.24	114.4	96.27	117.2	72.79	45.36	21.55	45.46	40- 50	73.46	314.4	56.8, 56.8
60	55.32	89.10	56.12	90.65	54.02	21.90	1.230	20.39	50- 60	57.10	371.5	67.1, 67.1
70	36.98	62.01	38.89	61.39	36.62	12.58	0.0450	9.750	60- 70	40.95	412.4	74.5, 74.5
80	22.52	46.12	27.68	44.85	22.87	9.791	0.0499	7.654	70- 80	31.09	443.5	80.2, 80.2
90	19.41	39.42	24.03	40.13	21.22	8.170	0.0584	6.294	80- 90	24.41	467.9	84.6, 84.6
100	16.88	36.38	27.19	36.05	17.87	6.998	0.0706	5.474	90-100	22.73	490.7	88.7, 88.7
110	14.30	29.47	22.42	29.94	14.90	5.944	0.0798	4.380	100-110	18.94	509.6	92.1, 92.1
120	11.86	24.36	18.42	24.59	12.02	4.727	0.0850	3.661	110-120	14.67	524.3	94.7, 94.7
130	9.728	20.93	13.38	20.53	9.762	3.813	0.1113	3.243	120-130	10.89	535.2	96.7, 96.7
140	7.871	17.69	11.00	17.35	8.436	2.794	0.1494	2.655	130-140	7.832	543.0	98.1, 98.1
150	7.193	15.53	10.52	14.97	6.963	2.298	0.1915	1.447	140-150	5.450	548.4	99.1, 99.1
160	5.785	11.65	9.107	11.13	5.487	2.783	0.2203	0.2600	150-160	3.371	551.8	99.7, 99.7
170	3.053	5.179	4.488	4.815	2.781	1.848	0.2028	0.2639	160-170	1.351	553.2	100, 100
180	0.1568	0.1746	0.1798	0.1786	0.1763	0.1752	0.1795	0.1827	170-180	0.1589	553.3	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 279.55 lm

%lum = 50.5%

%lamp = 50.5%

Conical surface Flux(120deg): 371.49 lm

%lum = 67.1%

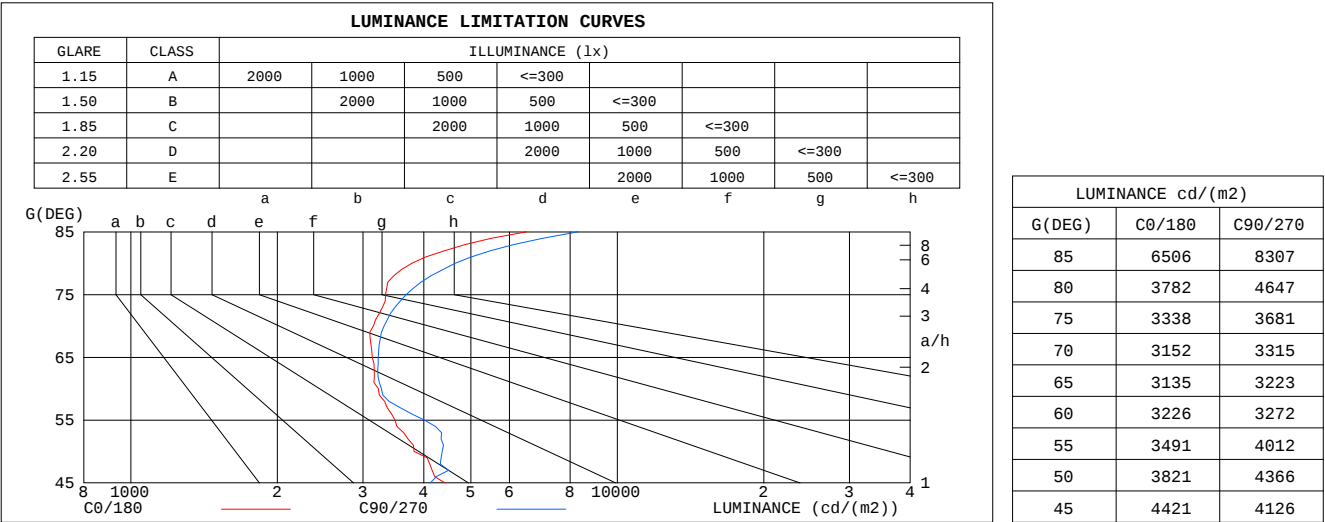
%lamp = 67.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



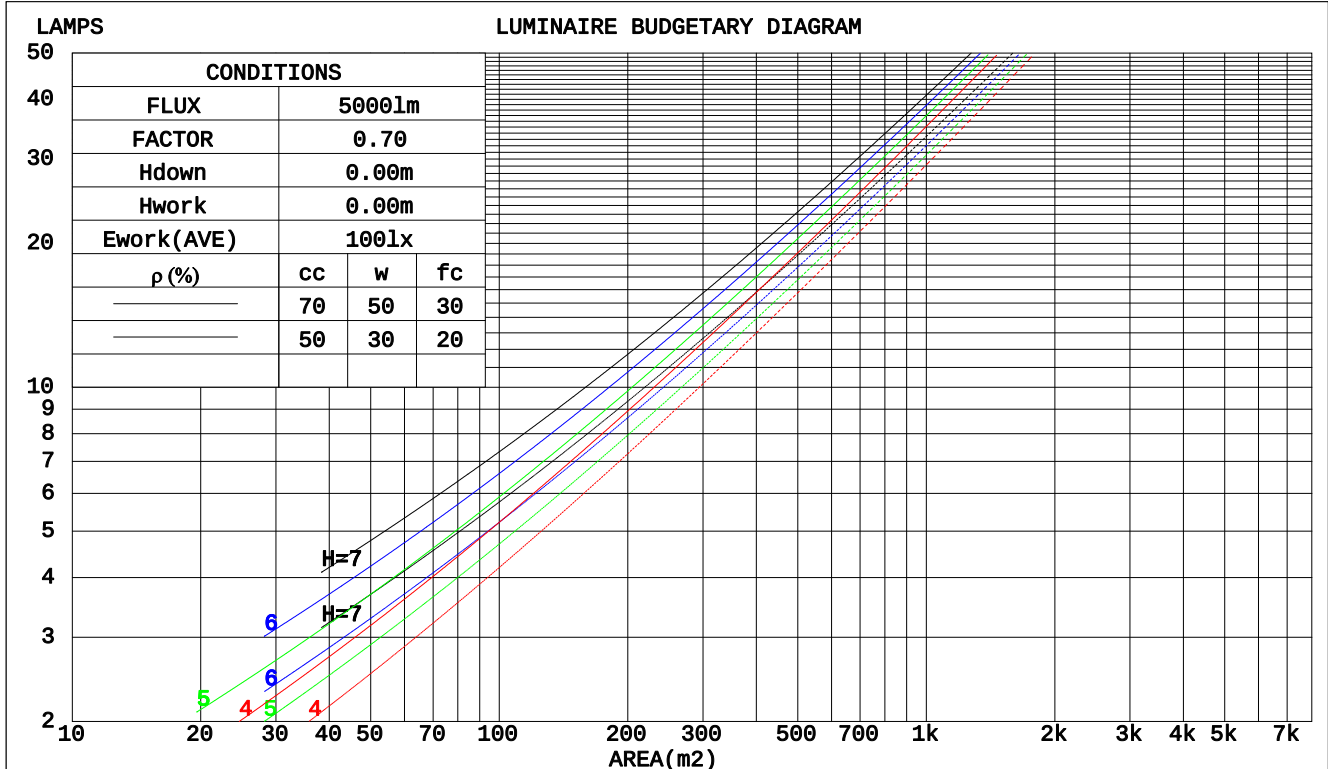
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.500m [K=1.0388]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
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	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	.90	.96	.92	.96	.92	.89	.89	.86	.83	.83	.80	.78	.77	.75	.73	.70
2.0	.88	.81	.76	.85	.79	.73	.79	.74	.69	.73	.69	.66	.68	.65	.62	.59
3.0	.78	.70	.64	.75	.68	.62	.70	.64	.59	.65	.60	.56	.61	.57	.53	.51
4.0	.70	.61	.55	.67	.60	.54	.63	.56	.51	.59	.53	.49	.55	.50	.47	.44
5.0	.63	.54	.48	.61	.53	.47	.57	.50	.45	.53	.48	.43	.50	.45	.41	.39
6.0	.57	.48	.42	.55	.47	.41	.52	.45	.40	.49	.43	.38	.46	.41	.37	.35
7.0	.52	.43	.38	.50	.42	.37	.47	.41	.36	.45	.39	.34	.42	.37	.33	.31
8.0	.47	.39	.34	.46	.39	.33	.44	.37	.32	.41	.35	.31	.39	.34	.30	.28
9.0	.44	.36	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.36	.31	.27	.26
10.0	.40	.33	.28	.39	.32	.28	.37	.31	.27	.35	.30	.26	.34	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm									
NAME: ASD-LWS26S-MV-24D20CC-WH					TYPE: LED			WEIGHT:	
SPEC.:5000K					DIM.:			SERIAL No.:	
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	.315	.179	.057	.303	.173	.055	.281	.161	.051	.261	.150	.048	.242	.140	.045	
2.0	.282	.154	.047	.271	.149	.046	.251	.140	.043	.233	.131	.041	.216	.122	.039	
3.0	.256	.136	.041	.247	.132	.040	.229	.124	.038	.212	.116	.036	.197	.109	.034	
4.0	.235	.122	.036	.226	.118	.035	.210	.111	.033	.195	.105	.032	.181	.099	.030	
5.0	.216	.110	.032	.209	.107	.031	.194	.101	.030	.181	.095	.028	.168	.090	.027	
6.0	.200	.101	.029	.194	.098	.028	.180	.092	.027	.168	.087	.026	.156	.082	.024	
7.0	.187	.092	.026	.180	.090	.026	.168	.085	.025	.157	.080	.023	.146	.076	.022	
8.0	.175	.085	.024	.169	.083	.023	.158	.079	.023	.147	.075	.022	.138	.071	.021	
9.0	.164	.079	.022	.159	.077	.022	.148	.073	.021	.139	.070	.020	.130	.066	.019	
10.0	.154	.074	.021	.149	.072	.020	.140	.069	.019	.131	.065	.019	.123	.062	.018	

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	.308	.308	.308	.263	.263	.263	.180	.180	.180	.103	.103	.103	.033	.033	.033	
1.0	.299	.275	.253	.256	.236	.217	.175	.162	.150	.101	.094	.087	.032	.030	.028	
2.0	.290	.251	.219	.249	.216	.189	.170	.150	.132	.098	.087	.077	.032	.028	.025	
3.0	.282	.234	.196	.242	.202	.170	.166	.140	.119	.096	.082	.070	.031	.027	.023	
4.0	.274	.221	.181	.235	.191	.157	.162	.133	.111	.093	.078	.066	.030	.025	.022	
5.0	.266	.211	.170	.229	.183	.148	.157	.128	.105	.091	.075	.062	.029	.024	.020	
6.0	.259	.203	.162	.223	.176	.141	.154	.123	.100	.089	.072	.059	.029	.024	.020	
7.0	.252	.196	.156	.217	.170	.136	.150	.119	.097	.087	.070	.058	.028	.023	.019	
8.0	.246	.190	.152	.212	.165	.132	.147	.116	.094	.085	.068	.056	.028	.022	.019	
9.0	.240	.186	.148	.207	.161	.129	.144	.113	.092	.084	.067	.055	.027	.022	.018	
10.0	.235	.181	.146	.203	.157	.127	.141	.111	.090	.082	.066	.054	.027	.022	.018	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm										
NAME: ASD-LWS26S-MV-24D20CC-WH					TYPE: LED			WEIGHT:		
SPEC.:5000K					DIM.:			SERIAL No.:		
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	17.7	19.0	18.2	19.4	19.9	17.5	18.7	17.9	19.2	19.7
3H	19.3	20.4	19.8	20.9	21.5	18.8	19.9	19.3	20.4	20.9
4H	20.1	21.2	20.6	21.7	22.2	19.5	20.6	20.1	21.1	21.7
6H	20.8	21.8	21.3	22.3	22.9	20.4	21.4	20.9	21.9	22.5
8H	21.1	22.1	21.7	22.6	23.2	20.8	21.8	21.4	22.3	22.9
12H	21.5	22.5	22.1	23.0	23.6	21.4	22.3	22.0	22.9	23.5
4H 2H	18.5	19.6	19.0	20.1	20.6	18.3	19.4	18.8	19.9	20.4
3H	20.5	21.4	21.0	22.0	22.6	19.9	20.9	20.5	21.4	22.0
4H	21.5	22.4	22.1	23.0	23.6	20.9	21.7	21.5	22.3	22.9
6H	22.6	23.3	23.2	23.9	24.6	21.9	22.7	22.5	23.3	24.0
8H	23.1	23.8	23.7	24.4	25.1	22.5	23.2	23.1	23.8	24.5
12H	23.6	24.3	24.3	24.9	25.6	23.2	23.9	23.9	24.5	25.2
8H 4H	22.1	22.8	22.7	23.4	24.1	21.6	22.3	22.2	22.9	23.6
6H	23.5	24.1	24.2	24.8	25.5	23.0	23.6	23.6	24.2	25.0
8H	24.3	24.9	25.0	25.5	26.3	23.8	24.3	24.5	25.0	25.7
12H	25.2	25.7	25.9	26.4	27.2	24.7	25.2	25.4	25.9	26.7
12H 4H	22.2	22.8	22.8	23.5	24.2	21.7	22.4	22.4	23.0	23.7
6H	23.8	24.3	24.5	25.0	25.7	23.3	23.8	24.0	24.5	25.2
8H	24.7	25.2	25.4	25.9	26.7	24.2	24.7	24.9	25.4	26.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 0.4 / - 0.7					+ 0.2 / - 0.6				

CIE Pub.117, 553.3 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -2.1$)
Area: 0.0343 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.500m [K=1.0388]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

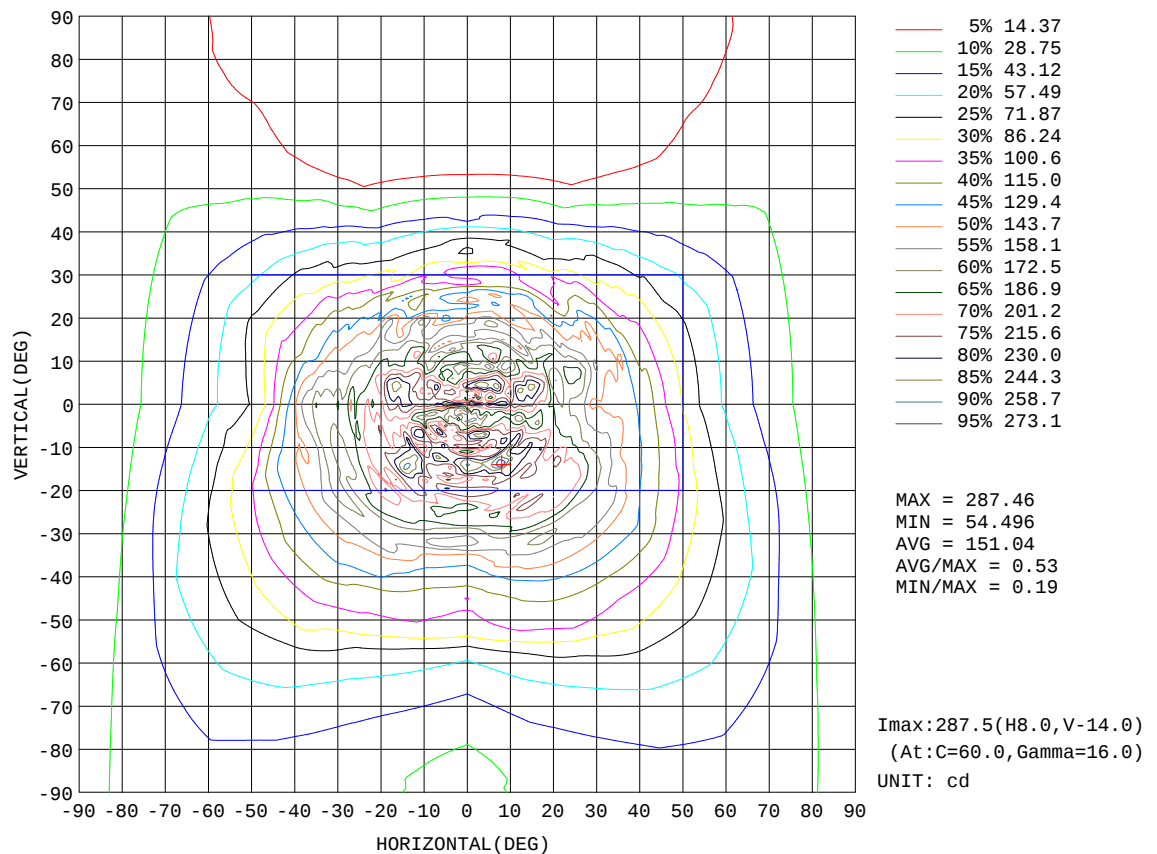
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	39	55	45	39	54	44	38	32
0.80	66	54	47	64	54	47	62	52	46	39
1.00	73	62	55	71	61	54	68	61	53	46
1.25	80	69	62	77	68	61	74	65	60	51
1.50	84	74	67	82	73	66	77	70	64	55
2.00	90	81	75	88	79	73	83	76	71	60
2.50	94	86	79	91	84	78	85	79	74	63
3.00	97	90	84	94	87	82	88	83	78	66
4.00	101	95	90	98	92	87	91	87	83	70
5.00	104	98	93	100	95	91	93	89	86	72
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

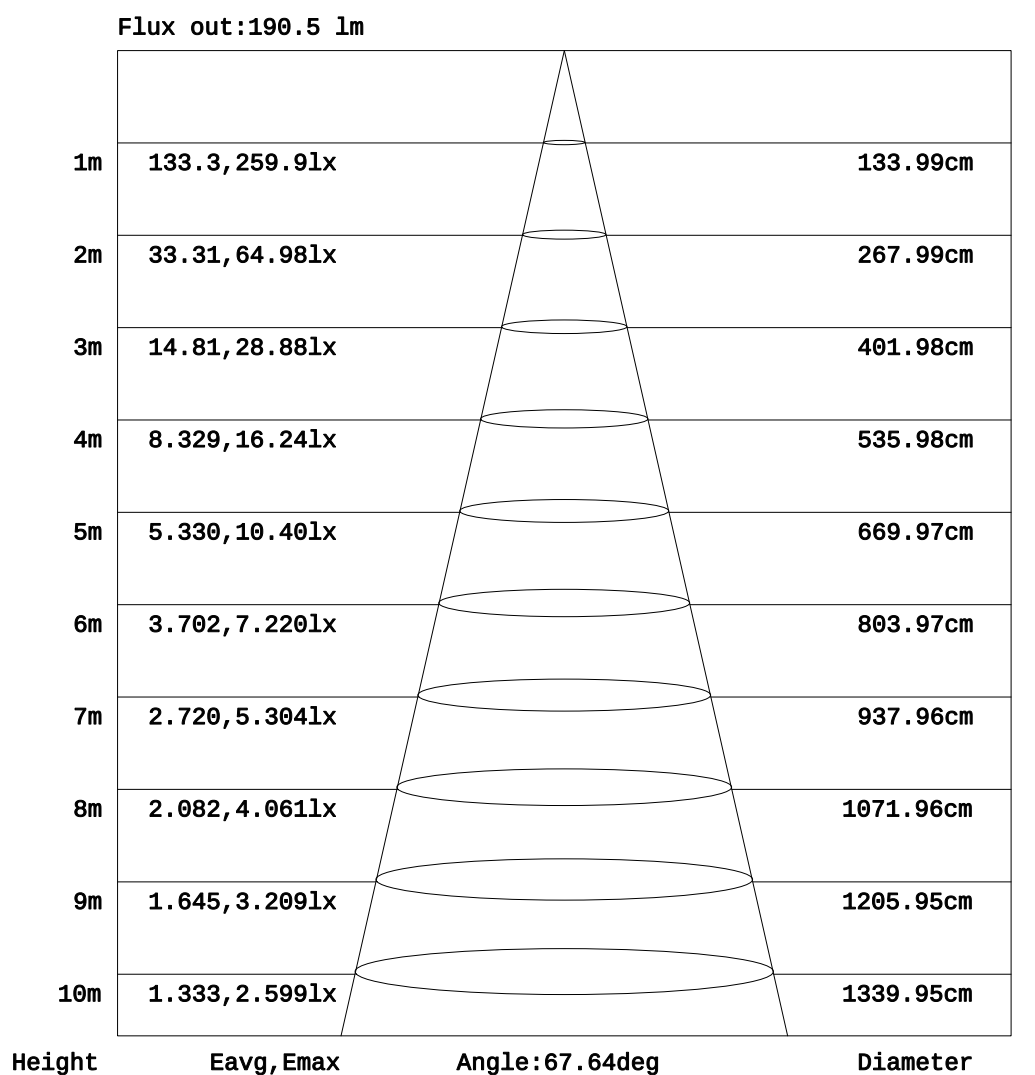


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.500m [K=1.0388]
Remarks:

AAI Figure

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

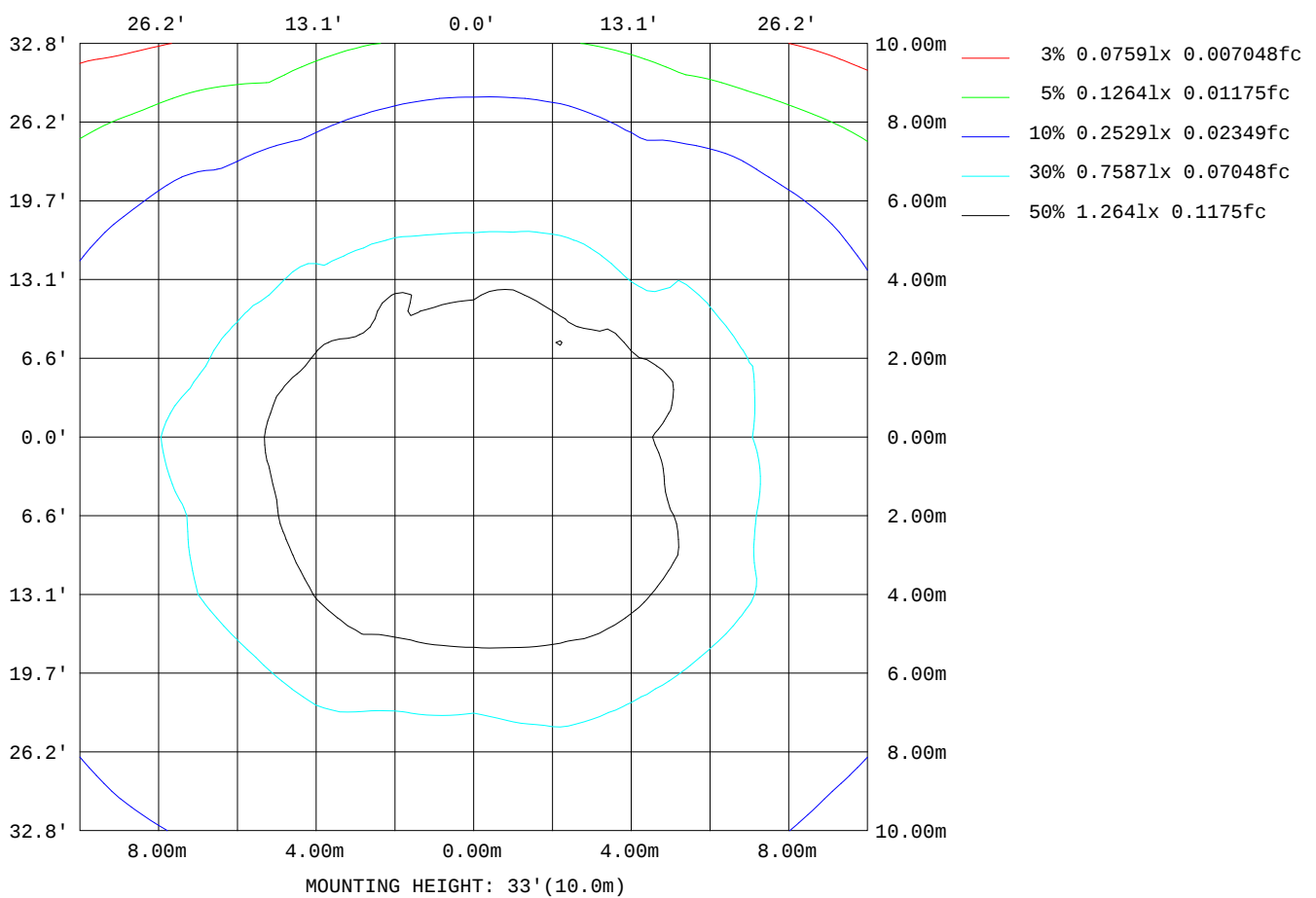


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.50m [K=1.0388]
Remarks:

LED Avg.L Report

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

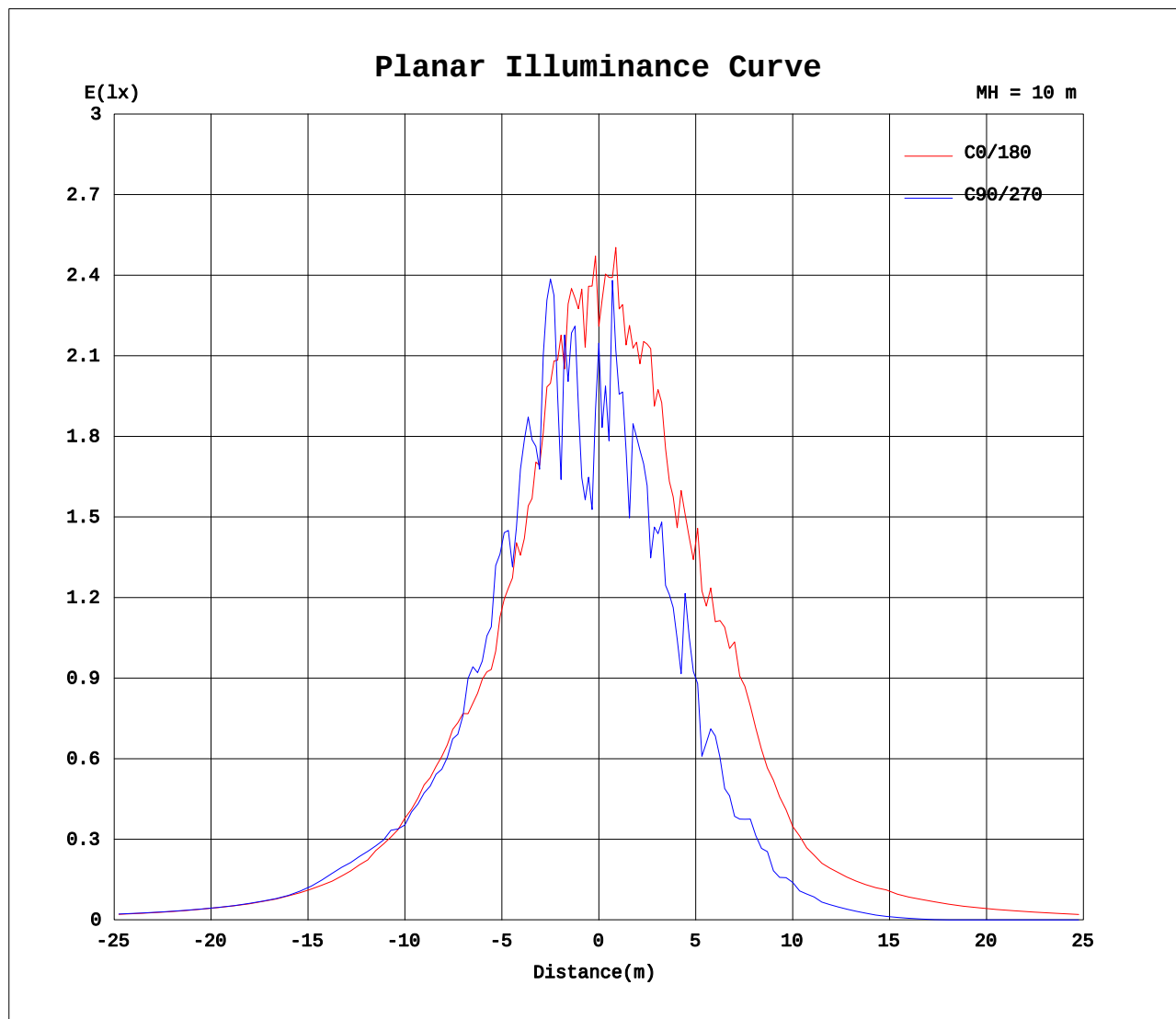
AvgL	cd/m2
L_0~180(65)av	3136
L_0~180(75)av	3352
L_0~180(85)av	6670
L_90~270(65)av	1613
L_90~270(75)av	1843
L_90~270(85)av	4163
L_45(65)av	2986
L_45(75)av	3591
L_45(85)av	8073

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.6%
Test Distance: 2.500m [K=1.0388]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	221	224	227	228	226	219	215	210	206	206	204	204	221	224	227	228	226	219	215
5	238	196	165	171	170	184	167	190	167	185	169	178	253	205	218	216	188	218	215
10	215	182	202	223	211	236	228	221	198	205	218	170	223	208	226	191	179	199	193
15	220	178	211	214	278	241	256	195	231	188	209	192	236	241	203	174	141	142	150
20	186	199	235	208	209	216	226	233	194	267	199	192	197	210	174	174	155	123	146
25	166	184	220	206	197	208	195	175	205	202	214	202	191	177	164	156	113	130	141
30	142	165	206	207	197	180	163	169	197	192	172	170	190	152	143	117	107	94.1	110
35	140	155	174	166	181	157	139	152	163	173	177	171	188	139	126	100	86.1	76.8	70.3
40	127	133	159	158	157	135	121	125	142	147	153	145	141	113	109	75.9	62.1	63.9	59.3
45	107	121	134	134	128	118	100	111	126	132	132	136	98.4	101	85.0	66.6	42.9	39.1	39.6
50	84.2	104	120	114	113	109	96.3	102	105	117	117	107	72.8	82.0	67.5	45.4	25.8	23.8	21.6
55	68.7	89.5	103	100	103	92.5	78.9	87.4	93.9	102	102	95.0	63.8	66.2	49.7	34.2	13.2	11.2	9.65
60	55.3	77.4	86.9	89.1	80.7	66.6	56.1	63.2	72.2	90.7	87.9	80.6	54.0	53.5	39.2	21.9	4.67	2.21	1.23
65	45.4	67.6	75.8	74.0	64.3	56.8	46.7	53.7	60.9	71.2	76.9	70.3	45.5	42.7	29.5	15.1	0.21	0.08	0.04
70	37.0	59.2	64.7	62.0	55.3	48.9	38.9	45.5	52.0	61.4	66.3	62.1	36.6	34.8	22.5	12.6	0.06	0.05	0.04
75	29.6	51.1	55.8	53.6	47.7	42.2	32.7	38.7	45.0	52.8	57.2	53.6	29.9	28.3	19.4	12.0	0.06	0.05	0.05
80	22.5	42.6	46.9	46.1	41.8	36.3	27.7	33.2	39.4	44.9	47.8	43.2	22.9	23.3	16.8	9.79	0.06	0.05	0.05
85	19.4	37.6	41.6	41.0	37.4	32.5	24.8	29.8	35.5	40.0	42.3	39.0	20.4	20.9	14.9	8.72	0.06	0.06	0.05
90	19.4	35.4	39.6	39.4	37.7	31.8	24.0	28.8	35.7	40.1	41.2	37.4	21.2	21.4	14.5	8.17	0.07	0.06	0.06
95	18.2	33.2	38.0	39.6	36.7	31.4	25.1	29.2	34.1	40.0	40.0	35.3	19.8	20.4	13.9	7.52	0.07	0.07	0.06
100	16.9	30.7	35.6	36.4	34.1	31.8	27.2	29.9	33.5	36.1	37.0	32.6	17.9	18.9	12.7	7.00	0.08	0.07	0.07
105	15.5	27.7	32.4	32.7	31.0	28.3	24.3	27.1	30.1	32.9	33.3	29.5	16.4	17.2	11.8	6.46	0.09	0.08	0.08
110	14.3	25.0	29.0	29.5	28.1	25.5	22.4	24.7	27.0	29.9	30.1	26.7	14.9	15.7	10.7	5.94	0.09	0.08	0.08
115	13.0	22.5	26.5	26.7	25.4	24.2	20.8	22.8	24.5	27.0	27.3	24.1	13.4	14.4	9.86	5.27	0.09	0.08	0.08
120	11.9	20.2	24.4	24.4	23.4	21.2	18.4	20.3	22.1	24.6	25.1	21.9	12.0	13.3	8.98	4.73	0.09	0.09	0.09
125	10.8	18.2	22.6	22.6	21.3	18.4	15.7	17.5	19.9	22.2	23.0	19.9	10.7	12.5	8.24	4.27	0.10	0.10	0.09
130	9.73	16.3	20.8	20.9	19.1	16.1	13.4	15.1	18.1	20.5	21.2	18.1	9.76	11.5	7.75	3.81	0.11	0.11	0.11
135	8.76	14.7	19.1	19.1	17.7	14.9	11.8	13.6	16.9	18.8	19.6	16.8	9.06	10.9	7.07	3.45	0.13	0.13	0.13
140	7.87	13.4	17.5	17.7	16.7	14.3	11.0	12.7	15.9	17.4	17.6	15.1	8.44	9.56	6.26	2.79	0.15	0.15	0.15
145	7.61	12.2	16.2	16.7	15.8	13.9	10.7	12.4	14.9	16.0	15.9	13.5	7.53	9.04	6.01	2.39	0.17	0.17	0.17
150	7.19	10.8	14.6	15.5	14.8	13.4	10.5	12.0	13.8	15.0	14.5	12.0	6.96	8.41	5.76	2.30	0.18	0.19	0.19
155	6.65	9.46	12.5	14.1	14.1	12.4	10.1	11.1	12.8	13.4	12.4	10.3	6.41	7.64	5.89	2.50	0.20	0.20	0.21
160	5.79	7.95	10.3	11.7	12.1	10.8	9.11	9.64	10.9	11.1	10.2	8.51	5.49	6.51	5.77	2.78	0.21	0.21	0.22
165	4.69	5.85	7.66	8.54	8.56	7.97	7.18	7.27	7.82	8.05	7.54	6.08	4.31	4.59	4.77	2.57	0.41	0.21	0.22
170	3.05	3.28	4.54	5.18	5.17	4.86	4.49	4.49	4.74	4.82	4.60	3.34	2.78	2.81	3.05	1.85	0.41	0.21	0.20
175	1.12	1.09	1.21	1.58	1.89	2.07	2.17	2.13	1.96	1.66	1.22	0.95	0.97	0.98	1.01	0.63	0.36	0.21	0.19
180	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.18	0.18	0.17	0.18	0.18	0.18	0.18

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 30 August 2023

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416

Humidity: 42.6%

Test Distance: 2.500m [K=1.0388]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1542A P:18.170W PF:0.9821 Freq:60.00Hz Lamp Flux:553.329x1 lm		
NAME: ASD-LWS26S-MV-24D20CC-WH	TYPE: LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	210	206	206	204	204														
5	237	262	233	209	182														
10	180	142	211	217	182														
15	164	185	184	199	253														
20	174	170	153	191	166														
25	133	151	144	157	196														
30	105	106	102	140	154														
35	81.4	94.7	112	131	149														
40	63.1	63.5	78.4	95.7	114														
45	41.6	47.3	66.6	85.5	94.6														
50	24.7	27.5	45.5	64.2	78.6														
55	11.9	14.0	30.8	51.1	67.8														
60	2.31	5.23	20.4	37.4	54.9														
65	0.08	0.19	12.8	27.8	44.1														
70	0.05	0.06	9.75	21.8	35.4														
75	0.05	0.06	9.04	18.9	29.0														
80	0.05	0.06	7.65	16.0	23.7														
85	0.06	0.06	6.82	14.5	20.6														
90	0.06	0.07	6.29	13.8	20.0														
95	0.07	0.07	5.85	13.0	18.9														
100	0.07	0.08	5.47	12.0	17.7														
105	0.08	0.09	4.93	10.9	16.1														
110	0.08	0.09	4.38	9.90	14.7														
115	0.08	0.09	3.95	8.73	13.4														
120	0.09	0.09	3.66	7.67	12.4														
125	0.09	0.10	3.44	6.98	11.6														
130	0.11	0.11	3.24	6.46	10.5														
135	0.13	0.13	3.02	6.18	9.84														
140	0.15	0.15	2.66	5.88	8.97														
145	0.17	0.17	2.04	5.52	8.33														
150	0.19	0.19	1.45	5.10	7.85														
155	0.21	0.21	0.82	4.22	6.99														
160	0.22	0.23	0.26	3.00	5.73														
165	0.22	0.23	0.24	1.82	4.04														
170	0.21	0.22	0.26	0.81	2.17														
175	0.20	0.20	0.28	0.49	0.97														
180	0.18	0.18	0.18	0.18	0.18														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 30 August 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.6%
 Test Distance: 2.500m [K=1.0388]
 Remarks: