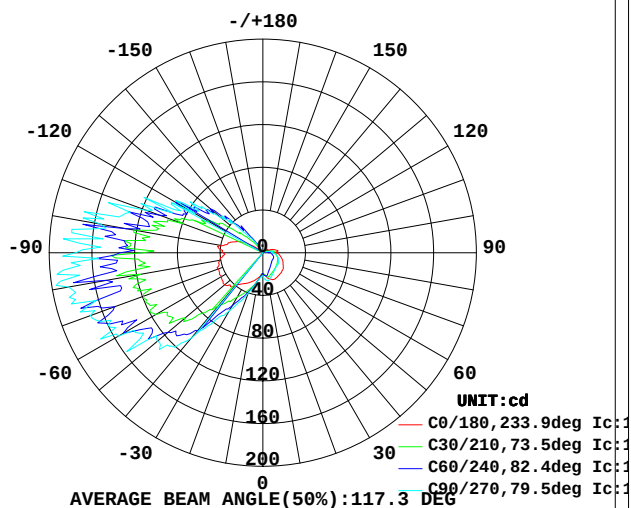


LUMINAIRE PHOTOMETRIC TEST REPORT

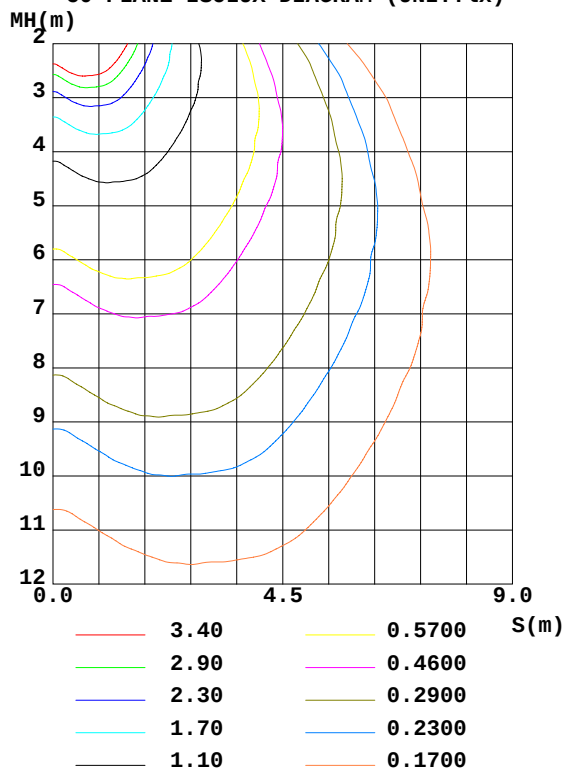
Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 40.47 lm/W			
MODEL	ASD-LWS26S-24N12BK-PC	I _{max} (cd)	206.3	S/MH(C0/180)	2.63
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	4.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	495.27	η UP, DN(C0-180)	3.7, 12.5
NOMINAL FLUX(lm)	495.272	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	30.6, 53.2
LAMPS INSIDE	1	η up(%)	34.3	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	65.7	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	23.66	22.08	26.94	27.81	23.77	27.24	26.52	25.75	0- 10	2.230	2.230	0.45,0.45
20	26.83	19.22	23.64	31.88	28.43	39.90	40.41	33.65	10- 20	7.923	10.15	2.05,2.05
30	26.48	17.52	20.57	32.02	33.34	55.59	62.83	40.66	20- 30	15.13	25.28	5.1,5.1
40	25.43	15.90	18.59	32.14	40.90	83.95	104.4	47.61	30- 40	24.73	50.01	10.1,10.1
50	24.61	14.73	18.07	30.64	46.53	116.3	128.8	53.98	40- 50	38.70	88.71	17.9,17.9
60	21.96	14.14	17.06	25.25	44.67	141.5	156.6	59.89	50- 60	50.18	138.9	28,28
70	19.55	13.35	15.43	21.44	44.50	146.9	171.9	60.18	60- 70	59.46	198.4	40,40
80	16.48	12.26	12.86	17.50	41.40	161.1	184.8	56.90	70- 80	64.12	262.5	53,53
90	12.01	10.02	8.313	12.81	36.94	148.6	175.4	47.09	80- 90	62.95	325.4	65.7,65.7
100	13.69	8.154	8.457	15.78	38.82	137.6	154.0	46.60	90-100	59.01	384.4	77.6,77.6
110	9.085	3.574	2.728	12.94	29.85	101.9	116.9	36.72	100-110	48.14	432.6	87.3,87.3
120	4.288	1.702	2.061	8.580	18.41	64.45	73.36	15.46	110-120	32.21	464.8	93.8,93.8
130	2.912	1.471	1.941	2.783	4.734	41.85	49.62	6.263	120-130	18.77	483.5	97.6,97.6
140	1.573	1.417	1.806	1.760	3.213	20.60	18.56	2.584	130-140	8.117	491.7	99.3,99.3
150	1.067	1.402	1.683	1.329	1.402	3.321	1.587	1.152	140-150	2.416	494.1	99.8,99.8
160	1.067	1.402	1.598	1.267	1.336	1.595	1.583	1.152	150-160	0.6829	494.8	99.9,99.9
170	1.132	1.413	1.552	1.225	1.294	1.510	1.537	1.175	160-170	0.3857	495.1	100,100
180	1.244	1.425	1.541	1.225	1.271	1.452	1.537	1.221	170-180	0.1290	495.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

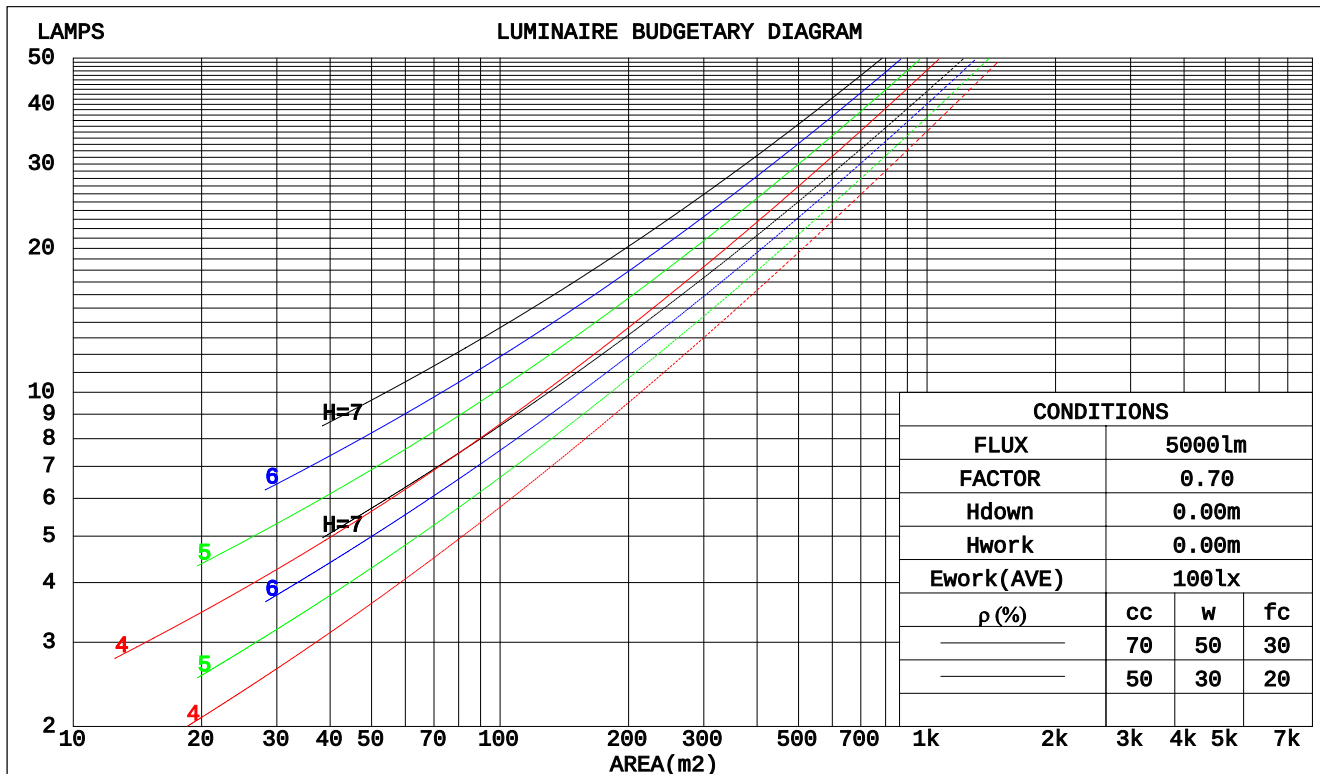
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION 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	1.11	1.11	1.11	1.04	1.04	1.04	.92	.92	.92	.81	.81	.81	.71	.71	.71	.66
1.0	.87	.81	.75	.82	.76	.71	.71	.66	.62	.61	.57	.54	.52	.49	.46	.42
2.0	.73	.64	.56	.68	.59	.53	.58	.52	.46	.50	.44	.40	.42	.38	.34	.30
3.0	.62	.52	.43	.57	.48	.41	.49	.42	.36	.42	.36	.31	.35	.30	.26	.22
4.0	.53	.43	.35	.49	.40	.33	.42	.35	.29	.36	.30	.25	.30	.25	.21	.17
5.0	.46	.36	.29	.43	.34	.27	.37	.29	.23	.31	.25	.20	.26	.21	.17	.14
6.0	.41	.31	.24	.38	.29	.23	.33	.25	.20	.28	.22	.17	.23	.18	.14	.11
7.0	.37	.27	.20	.34	.25	.19	.30	.22	.17	.25	.19	.14	.21	.16	.12	.09
8.0	.33	.24	.18	.31	.22	.17	.27	.19	.14	.23	.17	.12	.19	.14	.10	.08
9.0	.30	.21	.15	.28	.20	.14	.24	.17	.13	.21	.15	.11	.17	.12	.09	.07
10.0	.27	.19	.14	.26	.18	.13	.22	.16	.11	.19	.13	.09	.16	.11	.08	.06



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm					
NAME:ASD-LWS26S-24N12BK-PC			TYPE:LED		WEIGHT:
SPEC.:5000K			DIM.:		SERIAL No.:
MFR.:ASD Lighting Corp			SUR.:		PROTECTION 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	.468	.266	.084	.450	.257	.082	.417	.239	.076	.386	.223	.071	.357	.207	.067		
2.0	.384	.210	.065	.368	.202	.062	.337	.187	.058	.309	.173	.054	.283	.160	.050		
3.0	.331	.176	.053	.316	.169	.051	.288	.156	.047	.262	.144	.044	.238	.132	.041		
4.0	.291	.151	.044	.278	.145	.043	.252	.134	.040	.229	.123	.037	.207	.112	.034		
5.0	.261	.133	.038	.248	.127	.037	.225	.117	.034	.203	.107	.032	.183	.098	.029		
6.0	.236	.118	.034	.225	.113	.033	.203	.104	.030	.183	.095	.028	.165	.087	.026		
7.0	.215	.107	.030	.205	.102	.029	.185	.094	.027	.167	.086	.025	.150	.078	.023		
8.0	.198	.097	.027	.189	.093	.026	.171	.085	.024	.153	.078	.022	.137	.070	.021		
9.0	.184	.089	.025	.175	.085	.024	.158	.078	.022	.142	.071	.020	.127	.064	.019		
10.0	.171	.082	.023	.163	.079	.022	.147	.072	.020	.132	.066	.019	.118	.059	.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	.452	.452	.452	.386	.386	.386	.264	.264	.264	.151	.151	.151	.048	.048	.048	
1.0	.455	.418	.385	.389	.359	.332	.266	.247	.229	.153	.143	.133	.049	.046	.043	
2.0	.450	.397	.352	.385	.341	.304	.264	.236	.212	.152	.137	.124	.049	.044	.041	
3.0	.443	.381	.332	.380	.329	.288	.261	.229	.202	.151	.133	.119	.048	.043	.039	
4.0	.435	.370	.320	.373	.319	.278	.257	.223	.196	.148	.130	.116	.048	.042	.038	
5.0	.427	.361	.311	.367	.312	.271	.253	.218	.191	.146	.128	.113	.047	.042	.037	
6.0	.419	.353	.305	.360	.306	.266	.249	.214	.188	.144	.126	.112	.047	.041	.037	
7.0	.412	.347	.301	.354	.301	.262	.245	.211	.186	.142	.124	.111	.046	.041	.037	
8.0	.405	.341	.298	.349	.296	.260	.241	.208	.184	.140	.123	.110	.045	.040	.036	
9.0	.398	.337	.295	.343	.292	.258	.238	.205	.183	.138	.121	.109	.045	.040	.036	
10.0	.392	.333	.293	.338	.289	.256	.235	.203	.182	.137	.120	.108	.044	.039	.036	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm										
NAME:ASD-LWS26S-24N12BK-PC					TYPE:LED			WEIGHT:		
SPEC.:5000K					DIM.:			SERIAL No.:		
MFR.:ASD Lighting Corp					SUR.:			PROTECTION 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	3.3	4.6	4.0	5.3	6.2	0.8	2.1	1.5	2.8	3.7
3H	6.2	7.4	6.9	8.2	9.1	3.7	4.9	4.4	5.7	6.6
4H	7.8	8.9	8.5	9.7	10.7	5.4	6.5	6.1	7.3	8.2
6H	9.5	10.6	10.3	11.4	12.4	7.1	8.2	7.9	9.0	10.0
8H	10.5	11.5	11.3	12.3	13.3	8.1	9.2	8.9	10.0	11.0
12H	11.6	12.6	12.4	13.4	14.4	9.3	10.3	10.1	11.1	12.1
4H 2H	3.7	4.8	4.4	5.6	6.6	1.8	3.0	2.6	3.8	4.7
3H	6.8	7.8	7.6	8.7	9.7	4.7	5.7	5.5	6.5	7.5
4H	8.6	9.5	9.4	10.3	11.4	6.3	7.2	7.1	8.0	9.1
6H	10.5	11.3	11.3	12.2	13.2	8.0	8.8	8.8	9.7	10.7
8H	11.6	12.4	12.4	13.2	14.3	9.0	9.8	9.8	10.6	11.7
12H	12.8	13.6	13.7	14.5	15.5	10.2	11.0	11.1	11.8	12.9
8H 4H	8.9	9.7	9.8	10.6	11.7	7.1	7.9	7.9	8.7	9.8
6H	11.1	11.8	12.0	12.7	13.8	8.9	9.6	9.8	10.5	11.6
8H	12.4	13.0	13.3	13.9	15.0	9.9	10.5	10.8	11.4	12.6
12H	13.9	14.4	14.8	15.3	16.5	11.2	11.7	12.1	12.6	13.8
12H 4H	9.0	9.7	9.8	10.6	11.7	7.3	8.1	8.2	9.0	10.0
6H	11.3	11.9	12.2	12.8	13.9	9.3	9.9	10.2	10.8	11.9
8H	12.7	13.2	13.6	14.1	15.3	10.4	11.0	11.3	11.9	13.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.4 / - 0.2				
2.0H	+ 0.3 / - 0.3					+ 0.6 / - 0.4				

CIE Pub.117 Corrected 495.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

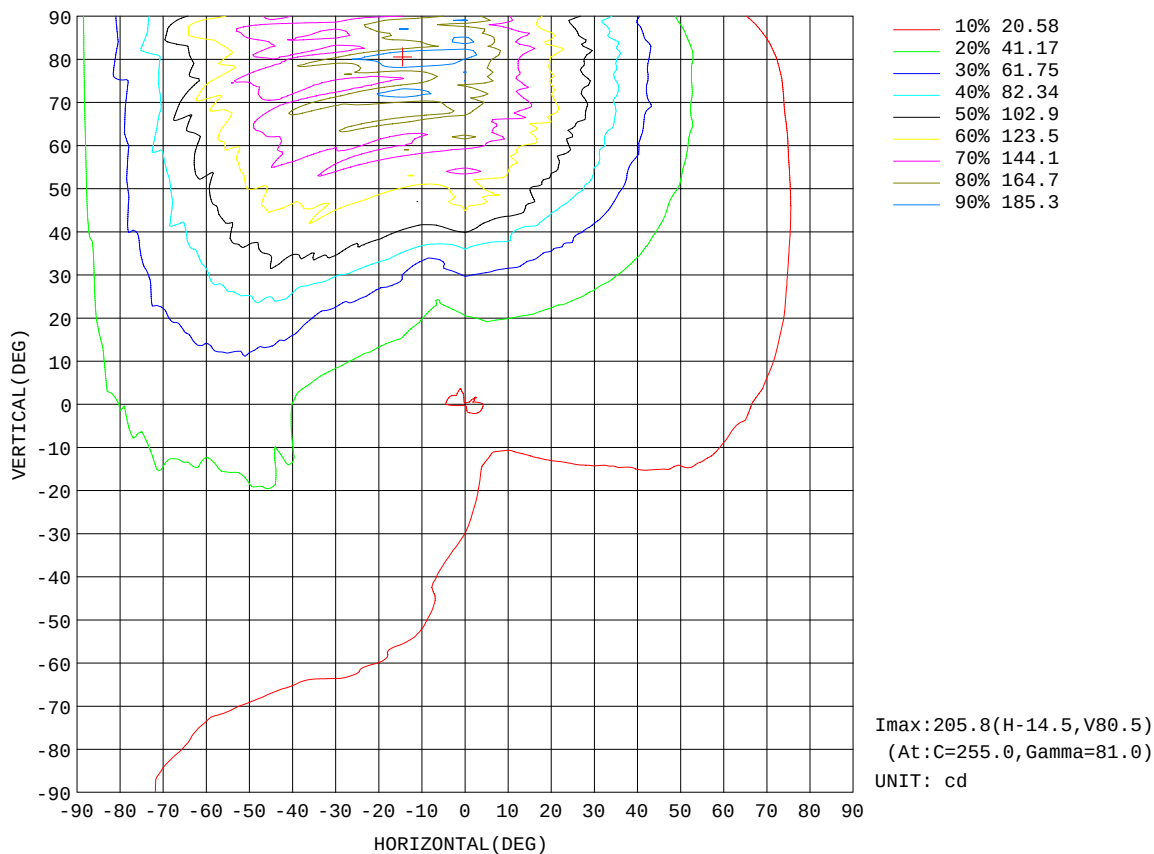
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	23	15	35	22	15	33	21	14	7
0.80	45	30	21	43	29	20	39	27	19	10
1.00	52	37	27	49	35	26	45	35	25	14
1.25	59	44	33	56	42	32	50	38	30	18
1.50	64	49	39	61	47	37	54	43	35	21
2.00	72	58	48	68	55	46	61	50	42	27
2.50	78	65	54	73	61	52	65	55	47	31
3.00	82	70	60	77	66	57	68	59	52	34
4.00	88	77	68	82	73	65	72	65	59	39
5.00	91	82	74	86	77	70	75	69	63	43
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:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

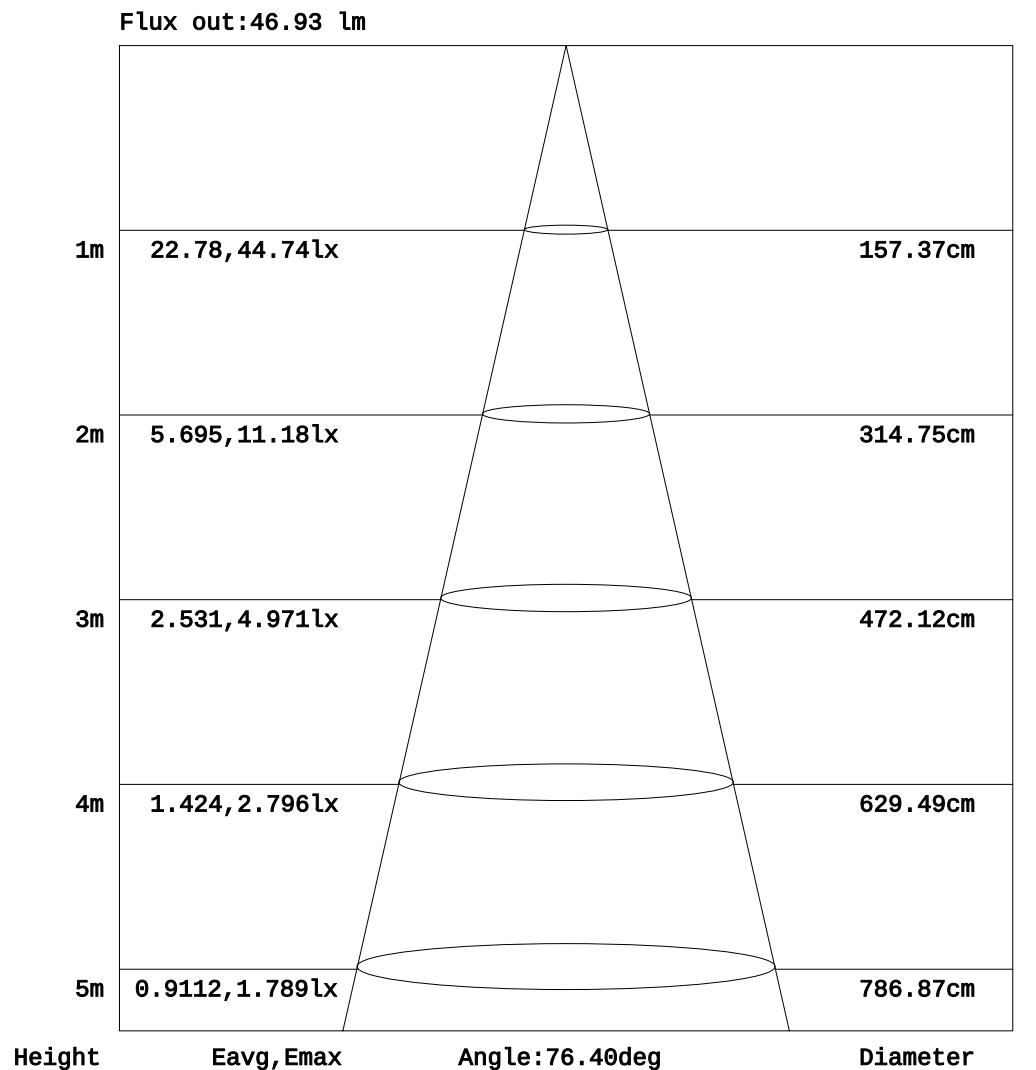


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



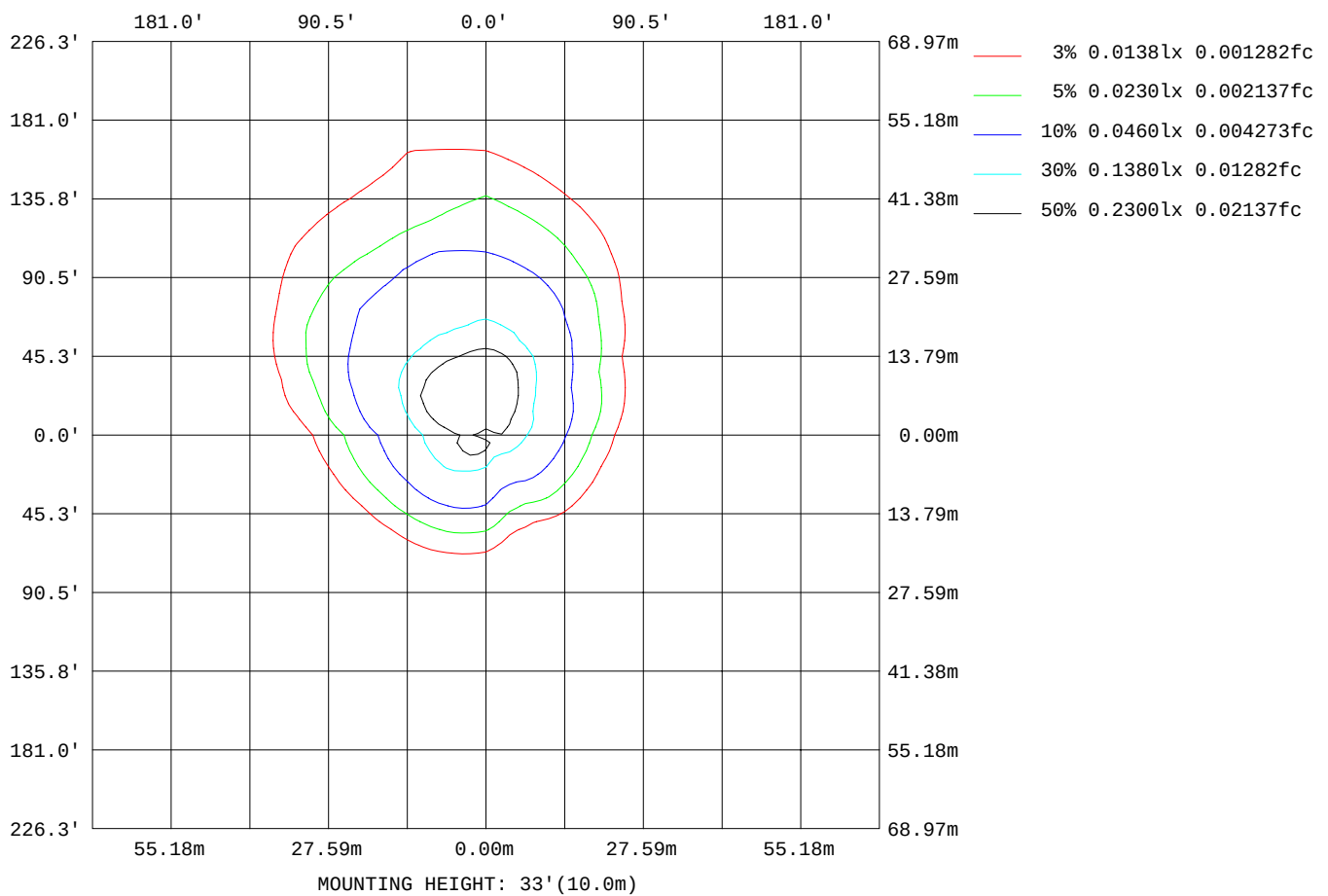
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

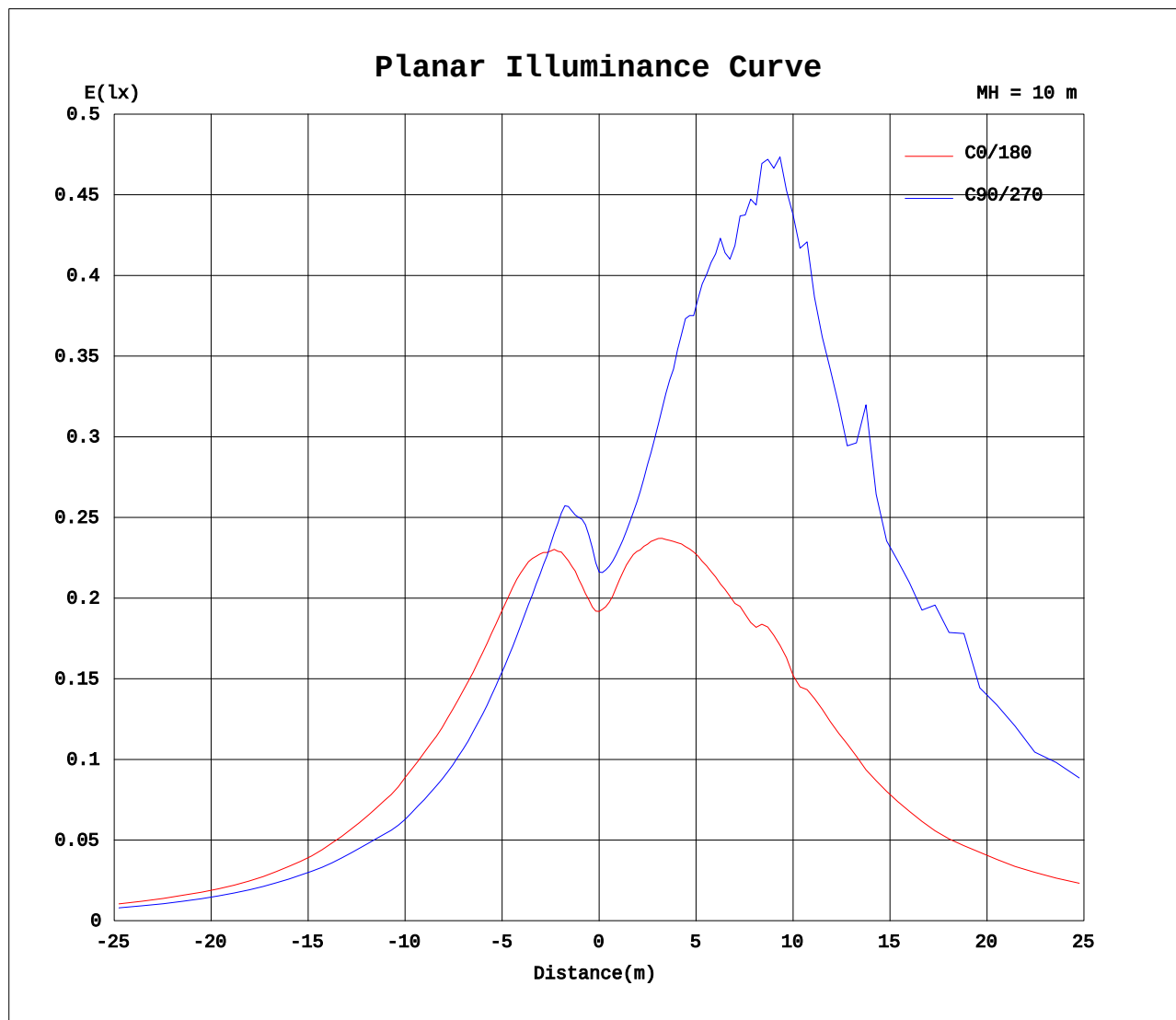
AvgL	cd/m2
L_0~180(65)av	778
L_0~180(75)av	1168
L_0~180(85)av	3016
L_90~270(65)av	2084
L_90~270(75)av	3867
L_90~270(85)av	11439
L_45(65)av	1441
L_45(75)av	2299
L_45(85)av	6524

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm																		
NAME:ASD-LWS26S-24N12BK-PC										TYPE:LED					WEIGHT:			
SPEC.:5000K										DIM.:					SERIAL No.:			
MFR.:ASD Lighting Corp										SUR.:					PROTECTION 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	19.2	19.2	19.3	19.2	19.3	19.3	21.6	21.6	21.5	21.3	21.1	20.4	19.2	19.2	19.3	19.2	19.3	19.3	21.6
5	21.0	21.0	20.8	21.0	21.5	22.1	25.2	25.4	25.1	24.4	24.1	23.3	20.9	21.1	21.4	22.2	21.7	21.2	23.0
10	23.7	23.4	23.1	22.1	22.0	23.1	26.9	27.7	28.4	27.8	26.2	26.8	23.8	25.0	26.1	27.2	26.2	24.8	26.5
15	25.3	25.0	22.8	20.6	19.3	20.6	25.1	27.7	29.8	30.0	28.0	29.0	26.1	28.7	31.2	33.4	31.8	29.0	32.2
20	26.8	24.3	21.7	19.2	17.2	18.6	23.6	26.2	29.2	31.9	29.7	30.8	28.4	32.5	36.1	39.9	38.6	34.1	40.4
25	27.0	23.4	20.6	18.4	15.7	17.1	22.0	24.5	27.8	32.6	31.3	32.6	31.0	36.6	42.1	46.9	46.2	40.7	50.4
30	26.5	22.6	19.8	17.5	14.4	15.6	20.6	23.5	27.0	32.0	32.3	34.1	33.3	40.9	47.8	55.6	57.3	52.2	62.8
35	26.0	21.7	18.9	16.5	13.3	14.3	19.4	22.4	26.0	31.3	33.5	35.6	35.8	45.5	55.1	67.1	69.0	62.7	76.2
40	25.4	21.2	18.3	15.9	12.5	13.4	18.6	21.6	25.6	32.1	36.7	39.3	40.9	53.0	65.3	84.0	95.5	93.3	104
45	25.1	20.7	17.7	15.2	11.8	12.6	17.8	22.1	26.5	30.8	36.9	40.1	43.0	61.2	80.0	108	109	109	124
50	24.6	19.8	17.1	14.7	11.3	11.8	18.1	21.5	24.4	30.6	35.3	42.0	46.5	67.8	94.9	116	116	112	129
55	23.3	19.1	16.5	14.3	11.3	11.8	17.6	20.7	24.0	28.1	32.4	39.6	46.1	73.4	105	123	126	128	140
60	22.0	18.2	16.0	14.1	11.2	11.5	17.1	19.4	22.4	25.2	30.1	37.6	44.7	76.4	116	141	151	167	157
65	21.1	17.1	15.3	13.9	11.1	10.8	16.1	18.3	21.1	23.4	28.1	36.4	44.7	77.6	117	146	157	151	160
70	19.6	16.1	14.9	13.4	10.8	10.1	15.4	17.9	18.3	21.4	26.1	34.4	44.5	78.7	119	147	148	153	172
75	18.1	14.9	13.9	13.0	9.89	8.97	14.6	16.3	16.7	19.5	23.6	31.7	42.4	77.3	126	143	138	152	186
80	16.5	13.7	12.9	12.3	8.79	7.54	12.9	14.7	15.2	17.5	21.2	29.0	41.4	76.6	116	161	149	205	185
85	15.0	12.8	12.2	12.0	8.37	6.31	11.5	12.9	13.4	15.2	18.4	25.3	37.6	74.5	111	143	153	173	188
90	12.0	10.2	9.56	10.0	6.00	3.88	8.31	9.75	10.6	12.8	15.9	21.8	36.9	78.3	113	149	134	143	175
95	13.3	10.9	9.77	8.87	5.44	3.06	9.65	11.7	12.9	15.6	19.6	25.4	40.8	74.9	131	136	130	185	150
100	13.7	10.6	10.3	8.15	3.27	2.06	8.46	11.5	12.4	15.8	19.8	27.1	38.8	71.6	123	138	130	171	154
105	11.4	9.21	6.42	3.75	2.11	1.98	4.17	9.30	11.3	14.0	17.1	21.7	33.8	59.1	95.5	115	112	117	136
110	9.08	6.26	2.64	3.57	1.85	1.95	2.73	6.80	10.7	12.9	15.8	19.9	29.9	56.0	79.4	102	103	131	117
115	4.74	3.50	4.15	1.85	1.81	1.89	2.21	2.79	8.41	11.5	14.5	17.9	25.0	46.5	73.1	85.2	82.8	120	123
120	4.29	4.62	2.77	1.70	1.75	1.83	2.06	2.26	4.76	8.58	12.1	15.5	18.4	38.3	59.0	64.5	94.1	80.2	73.4
125	5.62	3.13	2.14	1.52	1.70	1.76	2.00	2.39	2.96	4.18	6.95	9.96	9.08	20.4	48.4	55.8	65.8	68.0	83.1
130	2.91	2.15	1.49	1.47	1.66	1.71	1.94	1.82	2.39	2.78	3.32	4.24	4.73	14.2	27.6	41.9	64.1	59.3	49.6
135	2.23	1.62	1.33	1.45	1.62	1.66	1.88	1.76	1.94	2.50	2.59	3.23	3.46	8.36	19.0	29.4	45.1	48.8	44.3
140	1.57	1.21	1.32	1.42	1.58	1.61	1.81	1.68	1.57	1.76	2.92	3.78	3.21	1.96	10.8	20.6	29.5	26.6	18.6
145	1.12	1.17	1.31	1.41	1.54	1.56	1.73	1.62	1.53	1.34	1.21	1.61	1.42	1.59	4.95	9.67	15.5	16.5	9.34
150	1.07	1.17	1.30	1.40	1.50	1.51	1.68	1.58	1.49	1.33	1.21	1.12	1.40	1.56	1.61	3.32	6.16	6.90	1.59
155	1.07	1.18	1.30	1.40	1.48	1.47	1.64	1.53	1.45	1.28	1.20	1.13	1.37	1.51	1.58	1.63	1.60	1.58	1.58
160	1.07	1.18	1.29	1.40	1.47	1.46	1.60	1.48	1.41	1.27	1.19	1.14	1.34	1.47	1.53	1.59	1.58	1.56	1.58
165	1.09	1.21	1.29	1.41	1.46	1.46	1.58	1.46	1.38	1.24	1.19	1.16	1.32	1.44	1.48	1.56	1.54	1.54	1.56
170	1.13	1.25	1.31	1.41	1.46	1.47	1.55	1.43	1.35	1.22	1.18	1.16	1.29	1.42	1.44	1.51	1.52	1.51	1.54
175	1.20	1.30	1.34	1.42	1.46	1.47	1.54	1.43	1.33	1.22	1.18	1.19	1.28	1.38	1.41	1.48	1.48	1.49	1.54
180	1.24	1.34	1.37	1.42	1.47	1.47	1.54	1.43	1.32	1.22	1.18	1.18	1.27	1.34	1.38	1.45	1.46	1.47	1.54

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.1078A P:12.24W PF:0.9444 Lamp Flux:495.272x1 lm		
NAME:ASD-LWS26S-24N12BK-PC	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	21.6	21.5	21.3	21.1	20.4														
5	22.5	22.0	21.6	21.4	22.1														
10	26.8	26.6	25.8	24.7	24.4														
15	33.3	32.4	29.8	27.1	26.3														
20	41.6	38.0	33.7	29.1	27.9														
25	49.9	43.9	37.1	30.8	29.3														
30	58.0	50.3	40.7	32.3	30.4														
35	67.8	58.0	44.4	33.8	31.2														
40	84.4	64.0	47.6	34.8	31.9														
45	106	70.6	51.5	35.7	31.9														
50	115	82.0	54.0	36.6	32.0														
55	120	92.2	57.4	36.3	30.7														
60	121	93.8	59.9	35.8	29.6														
65	132	98.6	60.2	35.5	28.7														
70	150	102	60.2	34.4	26.7														
75	140	98.0	62.5	32.4	24.7														
80	136	98.6	56.9	30.2	22.3														
85	136	99.5	57.0	27.7	20.4														
90	130	95.6	47.1	23.1	15.9														
95	138	94.8	49.5	24.0	18.6														
100	131	85.7	46.6	25.1	19.3														
105	97.4	65.5	40.4	21.5	16.5														
110	92.3	58.3	36.7	18.2	14.7														
115	77.4	51.6	21.6	11.6	8.39														
120	66.3	43.8	15.5	6.87	5.22														
125	44.5	27.6	11.8	8.98	7.54														
130	35.0	14.5	6.26	6.61	4.44														
135	20.4	6.21	4.20	3.83	2.90														
140	9.40	1.60	2.58	2.74	1.99														
145	1.45	1.25	1.36	1.74	1.27														
150	1.42	1.27	1.15	1.15	1.26														
155	1.42	1.28	1.15	1.16	1.25														
160	1.42	1.29	1.15	1.16	1.24														
165	1.42	1.29	1.17	1.17	1.22														
170	1.42	1.30	1.17	1.18	1.22														
175	1.42	1.30	1.19	1.18	1.20														
180	1.42	1.31	1.22	1.18	1.19														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-04-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: