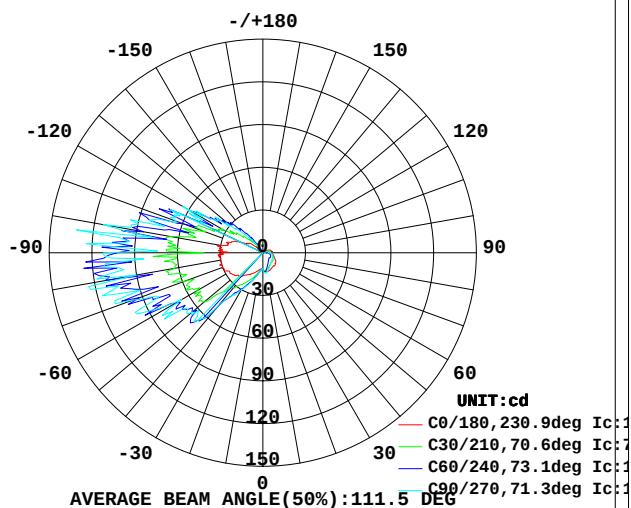


LUMINAIRE PHOTOMETRIC TEST REPORT

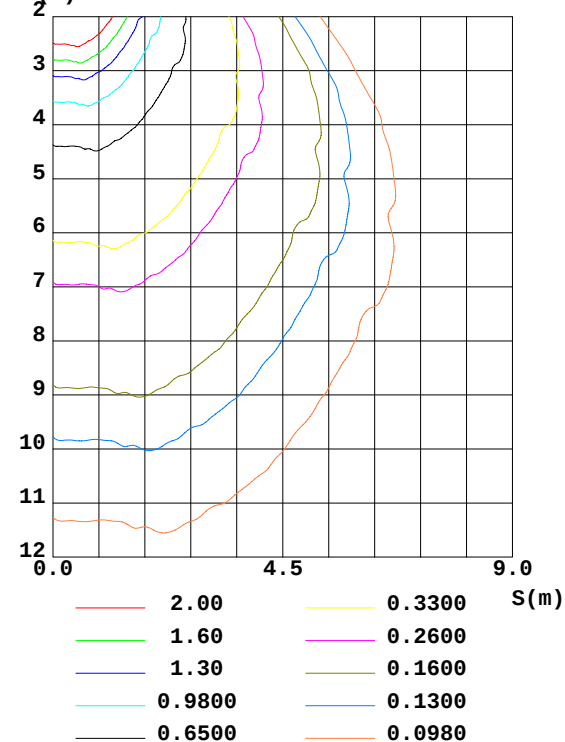
Test:U:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 31.26 lm/W
MODEL	ASD-LWS26-24D9SM-RGBW-BK	I _{max} (cd)	131.9	S/MH(C0/180)	2.50	
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	4.43	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	274.14	η UP, DN(C0-180)	3.2, 10.9	
NOMINAL FLUX(lm)	274.141	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	32.9, 53.0	
LAMPS INSIDE	1	η up(%)	36.1	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	120	η down(%)	63.9	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:2025-06-25

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	13.64	12.29	14.71	14.54	11.80	13.58	13.75	13.60	0- 10	1.231	1.231	0.45,0.45
20	13.33	10.17	12.15	17.11	14.44	19.71	20.51	17.59	10- 20	4.116	5.347	1.95,1.95
30	12.43	8.904	10.37	16.66	17.41	27.62	30.22	21.52	20- 30	7.698	13.05	4.76,4.76
40	11.92	7.995	8.940	15.80	20.81	39.98	49.20	25.40	30- 40	12.27	25.32	9.24,9.24
50	11.38	7.853	8.358	14.24	25.08	64.33	64.59	29.54	40- 50	20.24	45.56	16.6,16.6
60	10.39	7.610	7.842	12.13	26.94	57.92	65.68	32.64	50- 60	25.85	71.41	26,26
70	8.459	7.025	7.310	10.69	29.97	83.89	96.94	31.02	60- 70	31.04	102.4	37.4,37.4
80	7.272	6.423	6.625	8.803	30.65	93.08	90.32	29.93	70- 80	35.79	138.2	50.4,50.4
90	5.521	4.208	4.157	6.903	29.15	72.24	112.0	28.87	80- 90	36.82	175.1	63.9,63.9
100	6.135	4.157	3.438	7.678	29.05	79.71	113.8	27.00	90-100	34.16	209.2	76.3,76.3
110	5.535	1.359	1.364	6.008	22.86	49.30	64.77	19.60	100-110	27.92	237.1	86.5,86.5
120	2.962	0.9660	1.105	2.637	13.44	40.40	65.01	10.98	110-120	19.02	256.2	93.4,93.4
130	1.218	0.8126	1.044	1.561	7.506	27.52	29.05	2.787	120-130	11.12	267.3	97.5,97.5
140	0.8993	0.7741	0.9630	0.8430	1.338	12.37	10.16	2.402	130-140	4.814	272.1	99.3,99.3
150	0.6047	0.7741	0.8974	0.7125	0.8049	2.360	0.8627	0.6278	140-150	1.388	273.5	99.8,99.8
160	0.6085	0.7780	0.8627	0.6739	0.7857	0.9128	0.8587	0.6278	150-160	0.3702	273.9	99.9,99.9
170	0.6353	0.7934	0.8434	0.6663	0.7356	0.8704	0.8511	0.6278	160-170	0.2161	274.1	100,100
180	0.7317	0.7934	0.8434	0.6663	0.7317	0.8242	0.8511	0.6509	170-180	0.0724	274.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

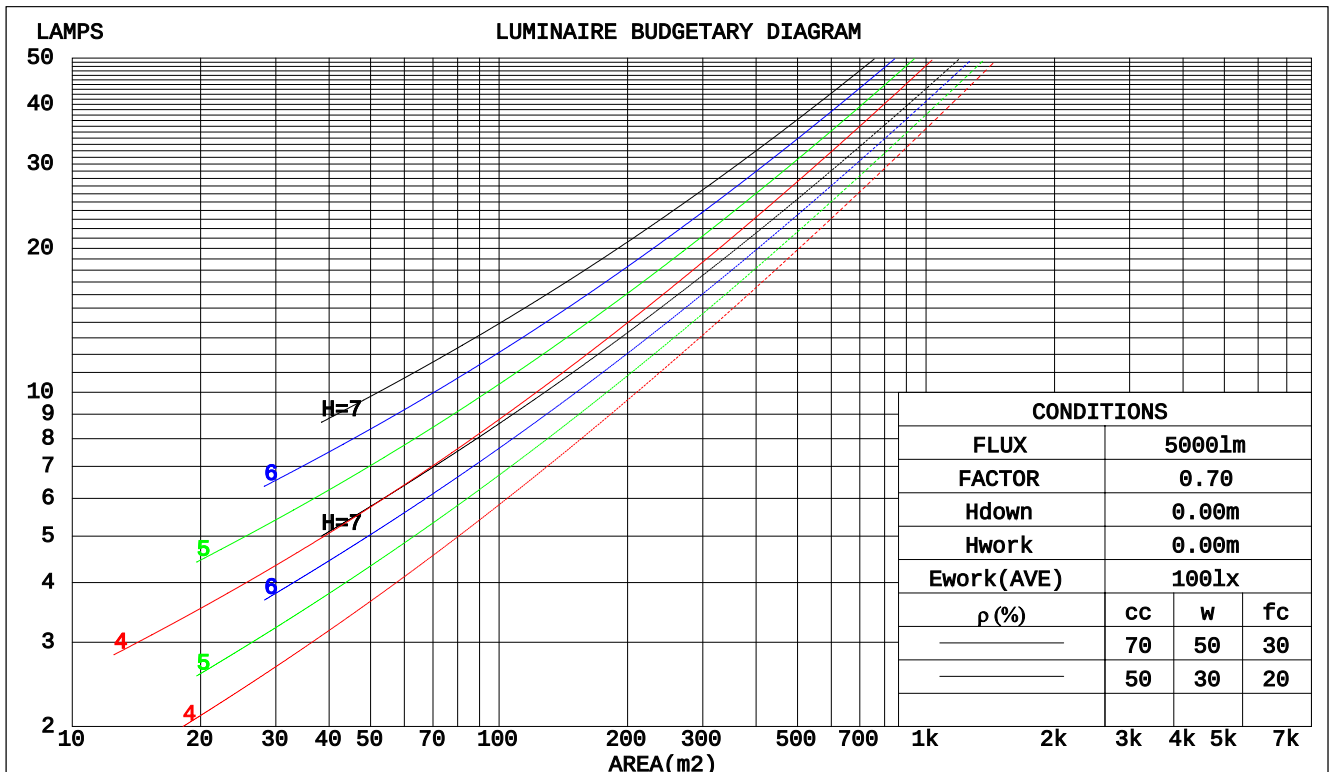
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.14lx1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	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	1.10	1.10	1.10	1.04	1.04	1.04	.91	.91	.91	.79	.79	.79	.69	.69	.69	.64
1.0	.87	.80	.74	.81	.75	.69	.70	.65	.61	.59	.56	.52	.50	.47	.44	.40
2.0	.72	.63	.55	.67	.59	.52	.57	.51	.45	.48	.43	.38	.40	.36	.32	.28
3.0	.61	.51	.43	.57	.47	.40	.48	.41	.35	.41	.35	.30	.33	.29	.25	.21
4.0	.53	.42	.34	.49	.39	.32	.42	.34	.28	.35	.29	.24	.29	.24	.20	.16
5.0	.46	.36	.28	.43	.33	.27	.36	.29	.23	.31	.24	.19	.25	.20	.16	.13
6.0	.41	.31	.24	.38	.29	.22	.32	.25	.19	.27	.21	.16	.22	.17	.13	.10
7.0	.36	.27	.20	.34	.25	.19	.29	.22	.16	.24	.18	.14	.20	.15	.11	.08
8.0	.33	.24	.17	.31	.22	.16	.26	.19	.14	.22	.16	.12	.18	.13	.10	.07
9.0	.30	.21	.15	.28	.20	.14	.24	.17	.12	.20	.14	.10	.17	.12	.08	.06
10.0	.27	.19	.13	.25	.18	.13	.22	.15	.11	.19	.13	.09	.15	.11	.07	.05



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm									
NAME:ASD-LWS26-24D9SM-RGBW-BK					TYPE:LED			WEIGHT:	
SPEC.:6500K					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 Coeffcients(WEC)									
0.0																
1.0	.474	.270	.085	.456	.260	.083	.421	.242	.077	.390	.225	.072	.360	.209	.067	
2.0	.386	.212	.065	.369	.203	.063	.338	.188	.058	.309	.173	.054	.282	.159	.050	
3.0	.331	.176	.053	.316	.169	.051	.287	.156	.047	.261	.143	.044	.236	.131	.040	
4.0	.291	.151	.044	.277	.145	.043	.251	.133	.040	.227	.122	.037	.204	.111	.034	
5.0	.260	.133	.038	.248	.127	.037	.223	.116	.034	.201	.106	.032	.180	.096	.029	
6.0	.235	.118	.034	.224	.113	.033	.202	.103	.030	.181	.094	.028	.162	.085	.025	
7.0	.215	.106	.030	.204	.102	.029	.184	.093	.027	.165	.084	.025	.147	.076	.022	
8.0	.198	.097	.027	.188	.092	.026	.169	.084	.024	.151	.077	.022	.135	.069	.020	
9.0	.183	.089	.025	.174	.085	.024	.156	.077	.022	.140	.070	.020	.124	.063	.018	
10.0	.170	.082	.023	.162	.078	.022	.145	.071	.020	.130	.065	.018	.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	.466	.466	.466	.398	.398	.398	.272	.272	.272	.156	.156	.156	.050	.050	.050	
1.0	.469	.432	.399	.402	.371	.343	.275	.255	.238	.158	.148	.138	.051	.048	.045	
2.0	.464	.411	.366	.398	.354	.316	.273	.245	.221	.157	.142	.129	.050	.046	.042	
3.0	.457	.396	.347	.392	.341	.301	.269	.237	.211	.155	.139	.124	.050	.045	.041	
4.0	.449	.384	.334	.386	.332	.290	.265	.231	.205	.153	.136	.121	.049	.044	.040	
5.0	.442	.375	.326	.379	.324	.284	.261	.227	.200	.151	.133	.119	.049	.043	.039	
6.0	.434	.368	.320	.373	.318	.279	.257	.223	.197	.149	.131	.117	.048	.043	.039	
7.0	.426	.361	.316	.367	.313	.275	.253	.220	.195	.147	.129	.116	.048	.042	.038	
8.0	.419	.356	.313	.361	.309	.273	.250	.217	.193	.145	.128	.115	.047	.042	.038	
9.0	.413	.351	.310	.356	.305	.270	.246	.214	.192	.143	.127	.114	.046	.042	.038	
10.0	.407	.347	.308	.350	.302	.269	.243	.212	.191	.142	.125	.114	.046	.041	.038	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.14lx1 lm											
NAME:ASD-LWS26-24D9SM-RGBW-BK					TYPE:LED			WEIGHT:			
SPEC.:6500K					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	0.3	1.6	1.1	2.4	3.3	-1.6	-0.3	-0.9	0.4	1.4	
	3H	3.1	4.3	3.9	5.1	6.1	1.4	2.6	2.1	3.4	
	4H	4.5	5.7	5.3	6.5	7.5	3.0	4.2	3.8	5.0	
	6H	6.1	7.2	6.9	8.0	9.0	4.8	5.9	5.6	6.7	
	8H	7.0	8.1	7.8	8.9	9.9	5.9	6.9	6.7	7.7	
	12H	8.1	9.1	8.9	9.9	11.0	7.0	8.0	7.8	8.9	
4H	2H	0.9	2.0	1.6	2.8	3.8	-0.5	0.6	0.2	1.4	
	3H	3.9	4.9	4.7	5.7	6.8	2.4	3.4	3.2	4.2	
	4H	5.5	6.4	6.3	7.3	8.4	4.0	5.0	4.9	5.8	
	6H	7.3	8.1	8.1	9.0	10.1	5.9	6.7	6.7	7.6	
	8H	8.2	9.0	9.1	9.9	11.0	6.9	7.7	7.8	8.6	
	12H	9.4	10.1	10.3	11.0	12.1	8.2	9.0	9.1	9.8	
8H	4H	6.0	6.8	6.8	7.7	8.8	4.8	5.6	5.7	6.5	
	6H	8.0	8.7	8.9	9.6	10.7	6.7	7.4	7.6	8.3	
	8H	9.2	9.8	10.1	10.7	11.9	7.9	8.5	8.8	9.4	
	12H	10.5	11.1	11.4	12.0	13.2	9.2	9.8	10.1	10.7	
12H	4H	6.0	6.8	6.9	7.7	8.8	5.0	5.8	5.9	6.7	
	6H	8.2	8.8	9.1	9.8	10.9	7.1	7.7	8.0	8.6	
	8H	9.5	10.1	10.4	11.0	12.2	8.3	8.9	9.2	9.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3					

CIE Pub.117 Corrected 274.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

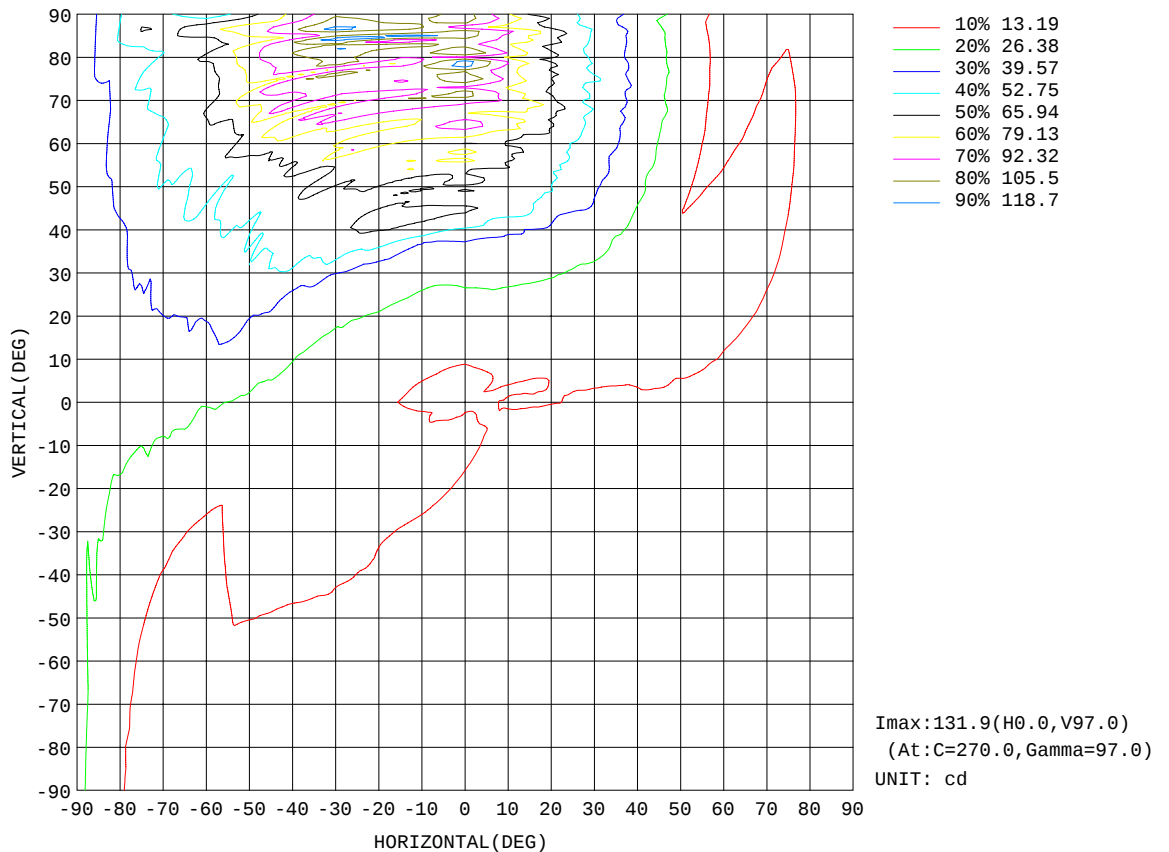
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	36	22	14	34	21	14	32	20	13	6
0.80	44	29	20	42	28	20	38	26	18	10
1.00	51	36	26	49	34	25	44	34	24	13
1.25	58	43	32	55	41	31	49	37	29	17
1.50	63	48	38	60	46	36	53	42	33	20
2.00	71	57	47	67	54	45	59	49	41	25
2.50	77	63	53	72	60	51	63	54	46	29
3.00	81	69	59	76	65	56	67	58	50	32
4.00	87	76	67	81	72	64	71	64	57	37
5.00	90	81	73	85	76	69	74	67	61	40
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:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

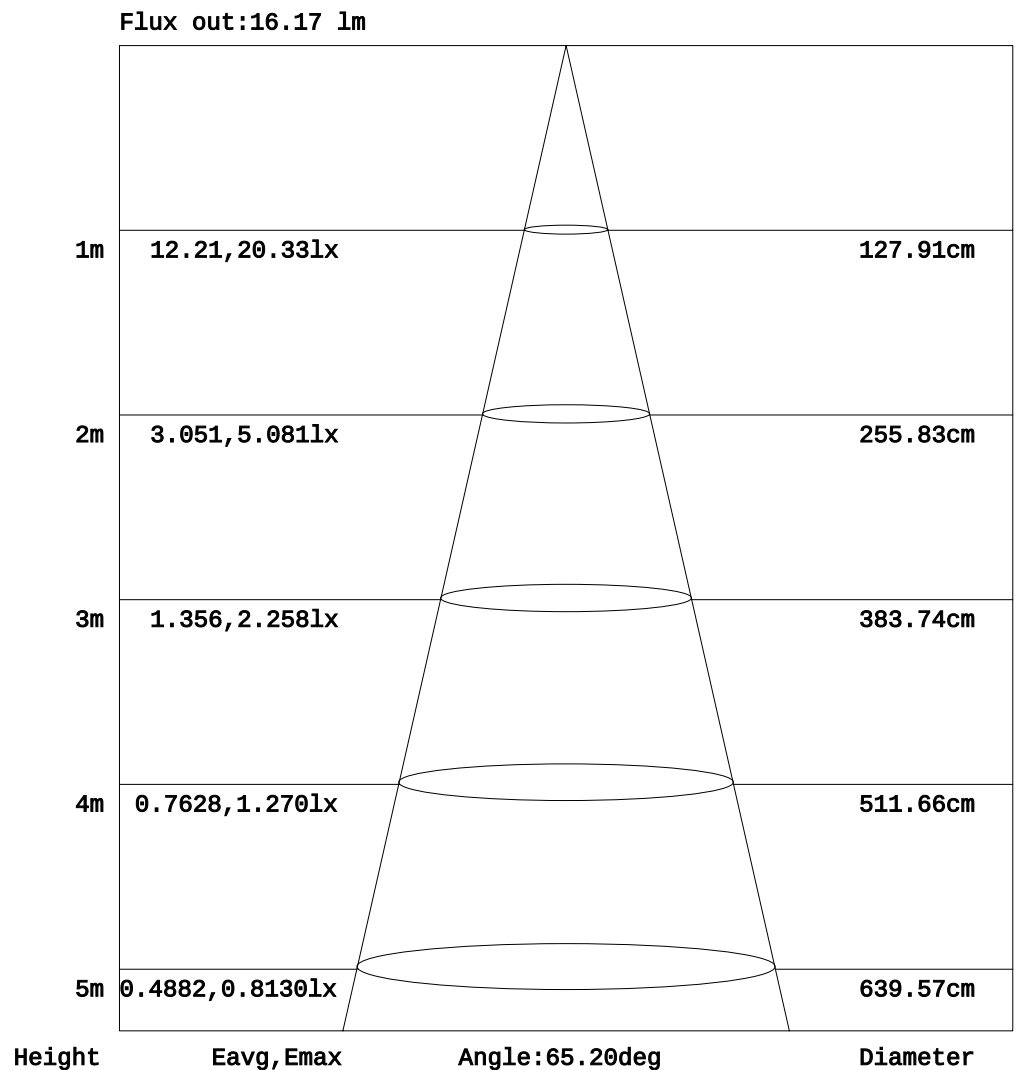


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.14lx1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



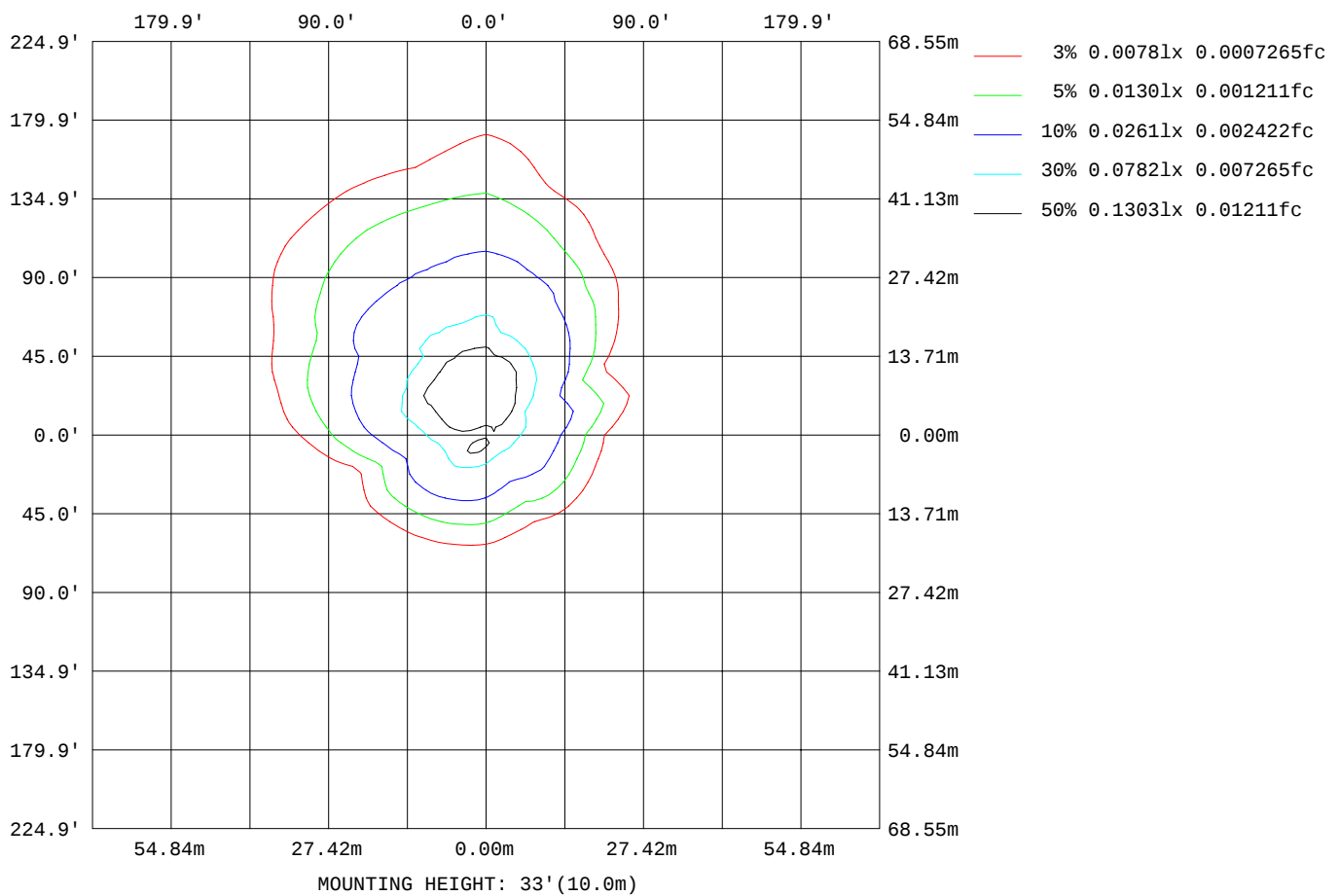
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	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: 2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

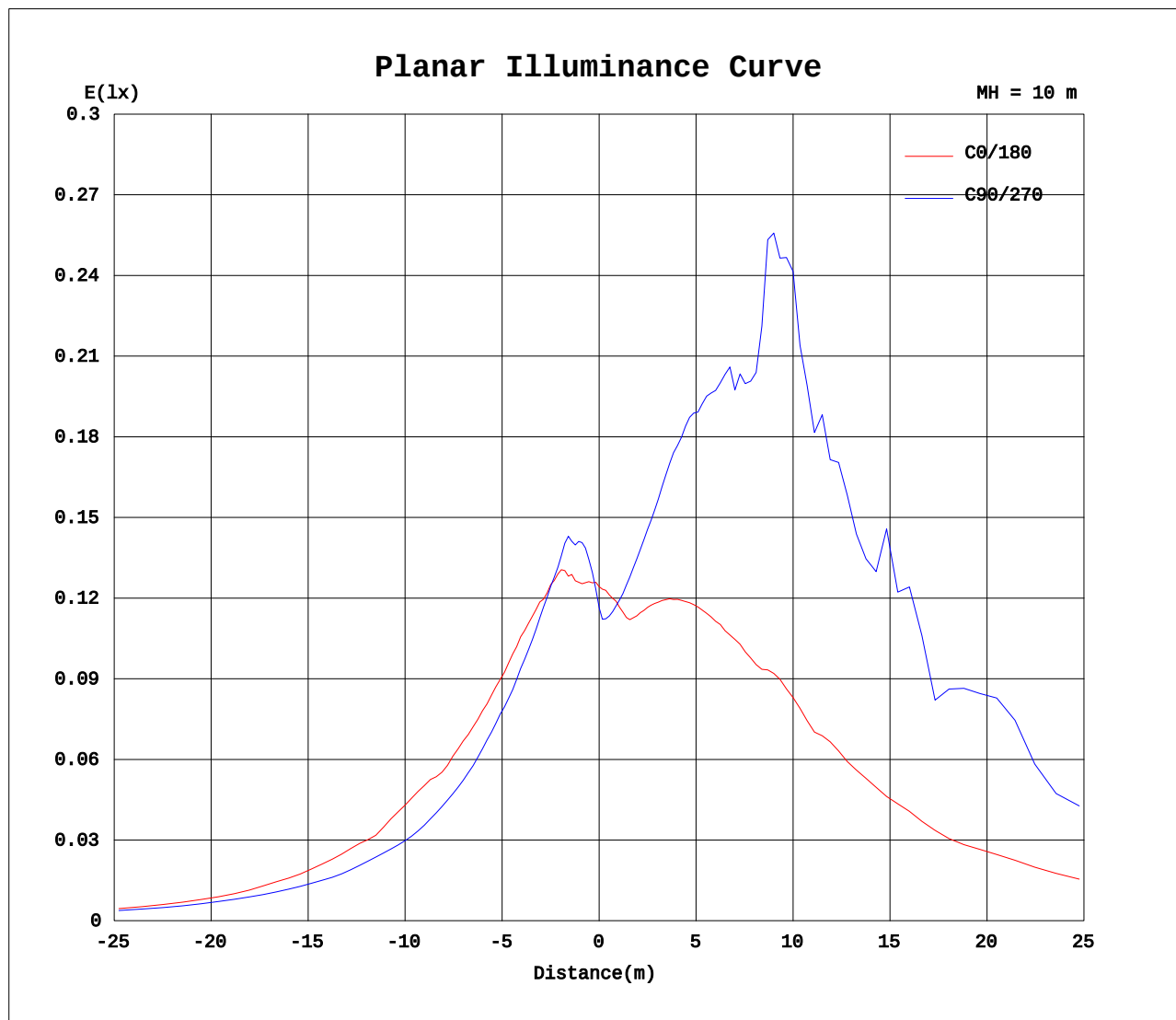
AvgL	cd/m2
L_0~180(65)av	464
L_0~180(75)av	730
L_0~180(85)av	2168
L_90~270(65)av	1257
L_90~270(75)av	2389
L_90~270(85)av	6802
L_45(65)av	711
L_45(75)av	1313
L_45(85)av	3930

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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: 2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm																		
NAME:ASD-LWS26-24D9SM-RGBW-BK										TYPE:LED					WEIGHT:			
SPEC.:6500K										DIM.:					SERIAL No.:			
MFR.:ASD Lighting Corp										SUR.:					PROTECTION ANGLE:			

Table--1

UNIT: cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	12.4	12.5	12.2	12.0	12.0	11.8	11.7	11.3	11.3	11.3	12.4	12.4	12.4	12.5	12.2	12.0	12.0	11.8	11.7
5	12.7	12.7	12.6	12.9	13.3	13.8	14.2	14.1	13.7	12.8	12.5	12.7	12.0	11.1	11.2	11.5	11.7	11.9	11.8
10	13.6	12.9	12.6	12.3	12.7	13.7	14.7	15.2	15.2	14.5	13.3	13.5	11.8	12.2	13.0	13.6	13.7	13.8	13.7
15	13.5	12.4	11.9	11.1	11.0	12.2	13.4	14.8	16.1	15.8	14.1	14.4	13.0	14.2	15.3	16.3	16.5	16.3	16.5
20	13.3	11.7	11.3	10.2	9.69	10.9	12.2	13.9	15.5	17.1	14.8	15.3	14.4	16.4	18.0	19.7	20.3	19.9	20.5
25	12.9	11.2	10.6	9.38	8.52	9.75	11.1	12.8	14.7	17.8	15.2	15.4	15.9	18.8	20.9	23.3	24.0	23.8	25.2
30	12.4	10.5	9.97	8.90	7.63	8.88	10.4	11.9	13.7	16.7	15.5	15.4	17.4	21.3	24.1	27.6	29.4	28.7	30.2
35	12.2	10.2	9.41	8.35	6.93	8.07	9.51	11.1	12.9	15.9	15.6	15.6	19.0	24.3	27.7	31.9	34.4	33.7	35.9
40	11.9	9.75	9.07	7.99	6.41	7.53	8.94	10.3	12.4	15.8	15.9	15.7	20.8	27.1	31.9	40.0	49.9	56.4	49.2
45	12.2	10.2	9.05	7.56	5.99	6.91	8.43	10.2	12.2	14.9	16.7	16.0	23.5	32.0	38.5	60.6	69.2	66.8	68.3
50	11.4	9.82	9.16	7.85	5.75	6.64	8.36	9.56	11.2	14.2	16.8	15.5	25.1	35.2	53.7	64.3	65.1	67.2	64.6
55	11.2	8.94	8.83	7.74	6.13	6.62	7.99	9.17	10.8	13.2	15.4	14.3	26.3	44.7	53.0	59.4	69.5	80.7	68.8
60	10.4	8.96	7.96	7.61	6.17	6.60	7.84	8.79	10.2	12.1	14.8	13.1	26.9	46.0	53.8	57.9	70.6	71.4	65.7
65	9.29	8.47	7.97	7.37	6.07	6.43	7.47	8.30	9.64	11.4	13.8	12.0	29.9	48.8	56.6	69.6	71.8	75.9	98.8
70	8.46	8.00	7.73	7.03	5.86	6.18	7.31	8.04	8.79	10.7	13.1	11.0	30.0	49.6	59.4	83.9	91.9	102	96.9
75	7.85	7.06	7.32	6.95	5.45	5.57	7.03	7.67	8.18	9.78	12.4	10.2	29.9	46.7	59.6	86.9	97.5	89.4	117
80	7.27	6.27	6.61	6.42	4.88	4.91	6.62	7.00	7.40	8.80	11.6	9.34	30.6	52.7	62.4	93.1	112	91.5	90.3
85	6.57	5.60	5.93	5.86	4.14	4.17	6.05	6.35	6.74	7.91	10.7	8.56	31.2	50.9	69.4	94.6	126	128	113
90	5.52	4.49	4.40	4.21	2.51	2.45	4.16	4.85	5.40	6.90	9.16	7.32	29.2	63.4	41.3	72.2	102	94.4	112
95	6.51	5.60	5.37	4.91	2.44	2.23	5.48	6.72	6.80	8.12	9.77	8.04	29.6	51.3	61.3	87.1	94.5	73.6	93.9
100	6.14	4.94	5.04	4.16	1.41	1.22	3.44	6.00	6.31	7.68	11.0	9.12	29.0	54.1	65.8	79.7	85.2	99.9	114
105	5.97	4.71	4.01	2.21	1.08	1.15	2.27	3.59	5.29	7.15	9.55	8.00	25.0	47.1	60.0	77.0	53.8	70.1	71.5
110	5.54	4.30	3.08	1.36	1.05	1.13	1.36	2.40	3.06	6.01	9.00	7.51	22.9	35.2	42.8	49.3	59.8	66.0	64.8
115	4.64	2.66	1.45	1.29	1.03	1.09	1.19	2.10	1.79	2.98	8.16	6.84	17.6	28.9	39.0	46.8	73.0	67.3	71.7
120	2.96	1.51	1.12	0.97	1.01	1.06	1.11	1.32	2.69	2.64	7.08	5.62	13.4	28.2	34.1	40.4	58.5	59.8	65.0
125	1.51	1.22	1.26	0.84	0.97	1.02	1.07	1.16	1.54	3.36	4.97	3.37	11.6	19.1	22.5	36.3	35.4	37.2	38.8
130	1.22	1.38	1.01	0.81	0.95	0.99	1.04	0.97	1.08	1.56	1.85	1.48	7.51	16.0	18.2	27.5	31.2	32.9	29.1
135	1.60	0.83	0.75	0.79	0.92	0.96	1.01	0.92	0.89	1.10	1.46	1.28	2.70	8.63	12.6	21.0	22.4	24.0	18.1
140	0.90	0.67	0.74	0.77	0.89	0.92	0.96	0.90	0.87	0.84	2.16	1.85	1.34	4.93	7.92	12.4	18.0	16.3	10.2
145	0.61	0.67	0.73	0.77	0.87	0.89	0.93	0.86	0.84	0.72	1.06	0.87	0.85	1.81	3.55	6.99	8.43	7.47	3.99
150	0.60	0.67	0.72	0.77	0.85	0.85	0.90	0.84	0.81	0.71	0.65	0.60	0.80	0.91	0.89	2.36	3.75	1.96	0.86
155	0.61	0.68	0.72	0.77	0.84	0.85	0.88	0.81	0.79	0.69	0.65	0.60	0.79	0.89	0.86	0.94	0.91	0.95	0.86
160	0.61	0.69	0.72	0.78	0.83	0.85	0.86	0.79	0.77	0.67	0.64	0.60	0.79	0.86	0.84	0.91	0.90	0.94	0.86
165	0.61	0.70	0.72	0.79	0.83	0.85	0.85	0.79	0.75	0.67	0.64	0.62	0.76	0.84	0.82	0.89	0.89	0.93	0.85
170	0.64	0.72	0.72	0.79	0.83	0.85	0.84	0.79	0.74	0.67	0.64	0.65	0.74	0.82	0.80	0.87	0.87	0.92	0.85
175	0.66	0.74	0.74	0.79	0.83	0.85	0.84	0.79	0.73	0.67	0.65	0.66	0.74	0.80	0.77	0.84	0.85	0.90	0.85
180	0.73	0.74	0.76	0.79	0.85	0.85	0.84	0.79	0.72	0.67	0.65	0.66	0.73	0.77	0.77	0.82	0.85	0.89	0.85

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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:120.1V I:0.1495A P:8.769W PF:0.4884 Lamp Flux:274.141x1 lm		
NAME:ASD-LWS26-24D9SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	11.3	11.3	11.3	12.4	12.4														
5	11.9	11.9	11.8	13.3	12.6														
10	14.0	13.9	13.6	13.7	12.7														
15	17.2	16.7	15.6	14.1	12.8														
20	20.9	19.5	17.6	14.7	13.2														
25	25.2	22.6	19.6	15.0	13.8														
30	29.5	25.4	21.5	14.9	14.4														
35	34.3	29.6	23.5	14.9	15.0														
40	39.8	32.4	25.4	15.6	16.4														
45	60.5	37.8	29.2	15.3	16.9														
50	63.9	44.1	29.5	14.6	17.2														
55	65.9	48.8	31.9	14.1	17.1														
60	65.8	51.2	32.6	13.3	16.9														
65	76.2	52.6	31.9	12.8	16.9														
70	90.4	53.9	31.0	12.2	16.7														
75	78.5	49.4	32.3	11.3	16.3														
80	68.6	52.8	29.9	10.4	15.6														
85	76.9	51.1	28.6	9.59	14.6														
90	64.7	48.4	28.9	8.62	13.0														
95	67.3	46.3	26.4	9.86	15.2														
100	64.9	49.4	27.0	9.99	15.0														
105	64.3	40.3	22.6	8.99	13.1														
110	48.9	34.9	19.6	8.30	11.7														
115	37.2	32.9	16.5	6.22	8.23														
120	37.4	20.6	11.0	2.75	4.21														
125	29.1	11.3	5.13	3.73	5.32														
130	16.2	6.84	2.79	4.24	4.60														
135	10.0	2.95	2.87	1.94	2.01														
140	3.10	0.96	2.40	1.19	1.37														
145	0.79	0.69	0.71	0.77	0.78														
150	0.79	0.70	0.63	0.62	0.74														
155	0.79	0.70	0.63	0.62	0.73														
160	0.79	0.71	0.63	0.63	0.71														
165	0.79	0.71	0.63	0.64	0.71														
170	0.79	0.72	0.63	0.65	0.70														
175	0.79	0.72	0.63	0.66	0.70														
180	0.79	0.72	0.65	0.66	0.69														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-25

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: