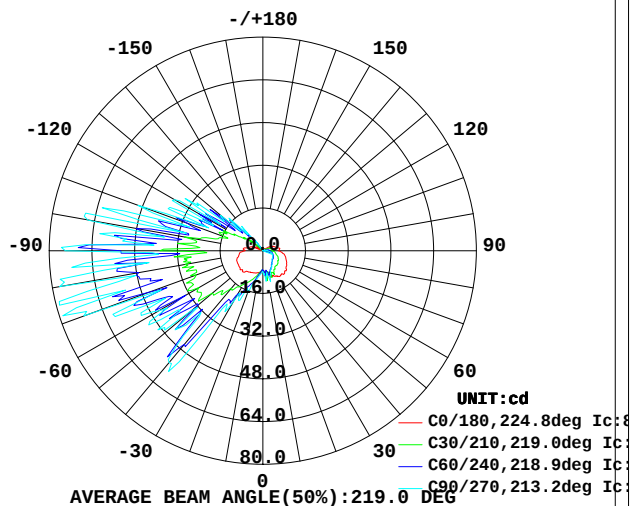


LUMINAIRE PHOTOMETRIC TEST REPORT

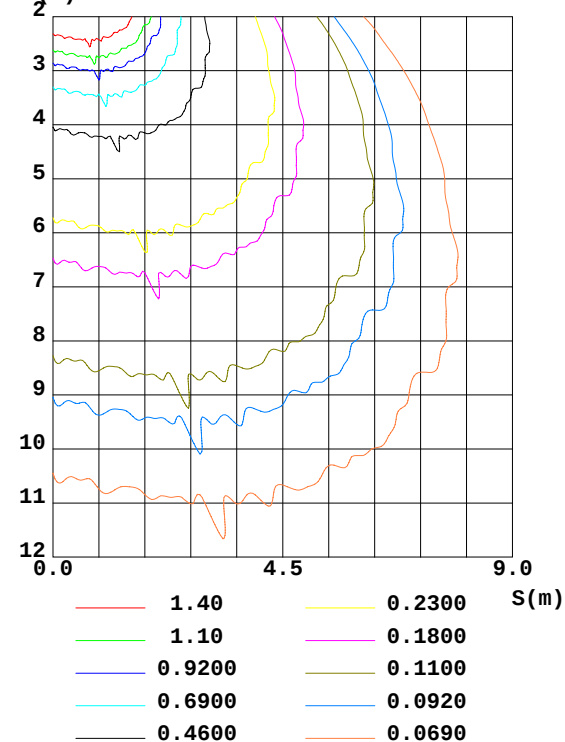
Test:U:120.1V I:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-RGBW-BK	TYPE: LED	WEIGHT:
SPEC.: 6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 21.85 lm/W			
MODEL	ASD-LWS26-18D9SM-RGBW-BK	I _{max} (cd)	105.6	S/MH(C0/180)	2.02
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	3.61
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	168.66	η UP, DN(C0-180)	3.3, 12.9
NOMINAL FLUX(lm)	168.657	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	29.2, 54.6
LAMPS INSIDE	1	η up(%)	32.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	67.4	CIBSE SHR MAX	1.00

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: 2025-05-06

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	8.638	7.592	8.276	9.603	8.231	9.048	10.05	10.36	0- 10	0.8411	0.8411	0.50,0.50
20	9.758	9.098	8.531	9.760	8.855	12.74	16.84	13.74	10- 20	2.973	3.814	2.26,2.26
30	10.92	6.942	6.789	9.765	9.332	17.57	21.44	18.13	20- 30	5.520	9.335	5.53,5.53
40	11.29	6.262	5.467	9.155	10.37	26.50	54.64	20.90	30- 40	9.457	18.79	11.1,11.1
50	11.44	5.953	4.580	8.706	11.11	35.18	34.63	28.78	40- 50	14.24	33.03	19.6,19.6
60	10.31	5.379	4.387	7.804	10.57	36.89	45.16	30.53	50- 60	16.95	49.98	29.6,29.6
70	9.259	4.864	3.802	6.642	10.46	38.91	71.38	32.02	60- 70	19.69	69.67	41.3,41.3
80	8.200	4.224	3.040	5.745	9.123	40.18	77.30	30.99	70- 80	22.35	92.03	54.6,54.6
90	5.822	3.076	1.731	4.138	6.727	54.15	74.00	40.98	80- 90	21.71	113.7	67.4,67.4
100	6.062	2.991	1.115	4.111	6.387	39.86	66.60	28.55	90-100	20.83	134.6	79.8,79.8
110	4.580	1.438	0.7433	1.472	4.426	30.91	49.83	16.09	100-110	15.53	150.1	89,89
120	3.338	0.5395	0.7126	2.041	1.566	13.17	38.26	8.859	110-120	9.565	159.7	94.7,94.7
130	0.9444	0.5771	0.6702	0.9573	2.237	8.059	20.68	2.484	120-130	5.584	165.2	98,98
140	0.9901	0.4545	0.6316	0.5083	0.6463	2.804	5.975	0.5873	130-140	2.400	167.6	99.4,99.4
150	0.4044	0.4545	0.5815	0.4852	0.4159	0.5661	0.5507	0.4429	140-150	0.6017	168.3	99.8,99.8
160	0.3968	0.4660	0.5662	0.4699	0.4159	0.5315	0.5430	0.4429	150-160	0.2241	168.5	99.9,99.9
170	0.4044	0.4776	0.5584	0.4660	0.4198	0.5122	0.5353	0.4429	160-170	0.1356	168.6	100,100
180	0.4159	0.4814	0.5584	0.4660	0.4198	0.4930	0.5315	0.4429	170-180	0.0454	168.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

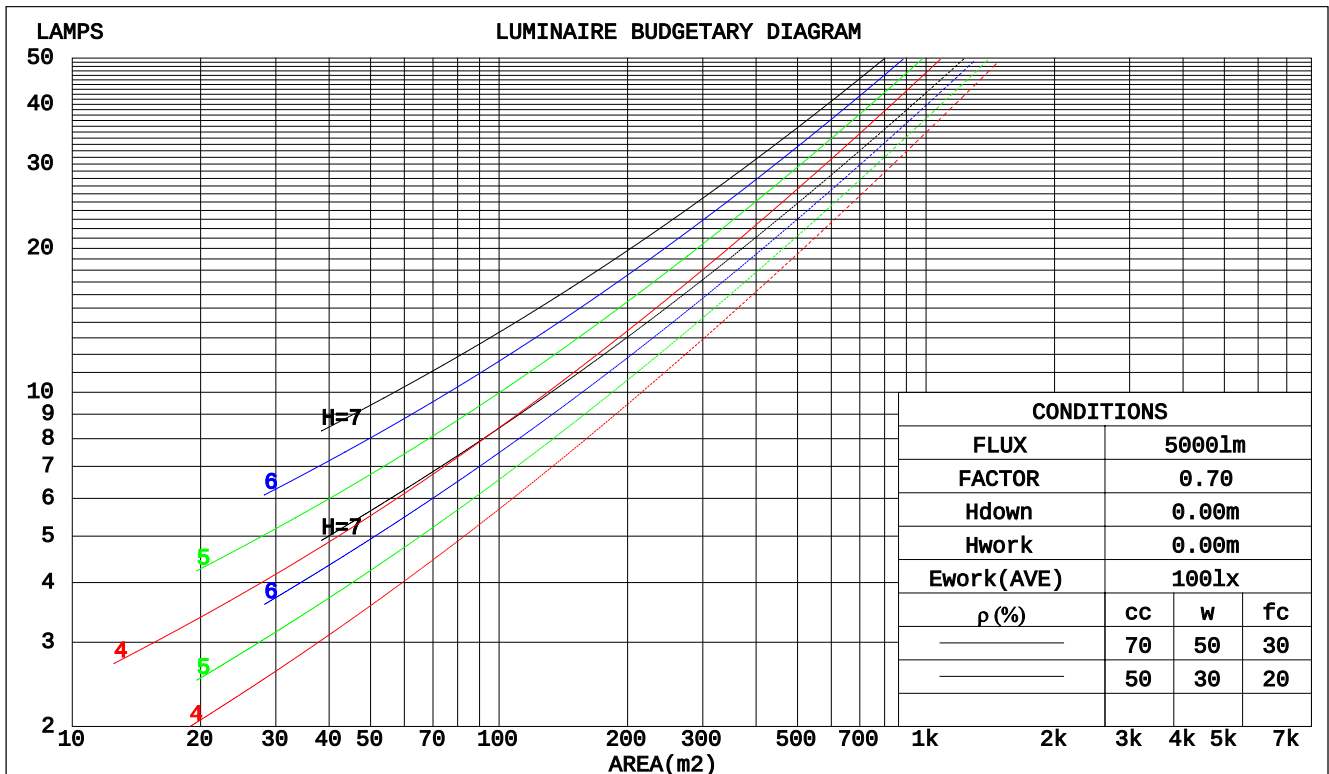
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-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	1.11	1.11	1.11	1.05	1.05	1.05	.93	.93	.93	.82	.82	.82	.72	.72	.72	.67
1.0	.88	.81	.75	.82	.76	.71	.72	.67	.63	.62	.58	.55	.53	.50	.48	.43
2.0	.73	.64	.56	.68	.60	.53	.59	.52	.47	.51	.45	.41	.43	.39	.35	.31
3.0	.62	.52	.44	.58	.49	.41	.50	.42	.36	.43	.37	.32	.36	.31	.27	.23
4.0	.53	.43	.35	.50	.40	.33	.43	.35	.29	.37	.30	.25	.31	.26	.22	.18
5.0	.47	.37	.29	.44	.34	.27	.38	.30	.24	.32	.26	.21	.27	.22	.18	.14
6.0	.41	.32	.24	.39	.30	.23	.34	.26	.20	.29	.22	.17	.24	.19	.15	.12
7.0	.37	.27	.21	.35	.26	.20	.30	.23	.17	.26	.20	.15	.22	.17	.13	.10
8.0	.33	.24	.18	.31	.23	.17	.27	.20	.15	.23	.17	.13	.20	.15	.11	.08
9.0	.30	.21	.16	.28	.20	.15	.25	.18	.13	.21	.15	.11	.18	.13	.09	.07
10.0	.28	.19	.14	.26	.18	.13	.23	.16	.11	.20	.14	.10	.17	.12	.08	.06



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm					
NAME: ASD-LWS26-18D9SM-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 Coefficients(WEC)										
0.0																	
1.0	.470	.267	.085	.452	.258	.082	.420	.241	.077	.390	.225	.072	.362	.210	.068		
2.0	.385	.211	.065	.369	.203	.063	.339	.189	.059	.312	.175	.055	.287	.162	.051		
3.0	.331	.176	.053	.317	.170	.051	.290	.157	.048	.265	.145	.044	.242	.134	.041		
4.0	.292	.152	.045	.279	.146	.043	.254	.135	.040	.231	.124	.037	.210	.114	.035		
5.0	.261	.133	.039	.249	.128	.037	.226	.118	.035	.205	.108	.032	.186	.099	.030		
6.0	.236	.118	.034	.225	.114	.033	.205	.105	.031	.185	.096	.028	.167	.088	.026		
7.0	.216	.107	.030	.206	.103	.029	.187	.094	.027	.169	.087	.025	.152	.079	.023		
8.0	.199	.097	.027	.189	.093	.026	.172	.086	.025	.155	.079	.023	.140	.072	.021		
9.0	.184	.089	.025	.175	.085	.024	.159	.079	.022	.144	.072	.021	.129	.066	.019		
10.0	.171	.082	.023	.163	.079	.022	.148	.073	.020	.134	.066	.019	.120	.060	.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	.439	.439	.439	.375	.375	.375	.256	.256	.256	.147	.147	.147	.047	.047	.047	
1.0	.442	.405	.372	.378	.347	.320	.258	.239	.221	.149	.138	.129	.048	.045	.042	
2.0	.436	.383	.339	.374	.330	.293	.256	.228	.204	.148	.133	.120	.047	.043	.039	
3.0	.429	.368	.319	.368	.317	.276	.253	.220	.194	.146	.129	.114	.047	.042	.037	
4.0	.422	.356	.306	.362	.308	.266	.249	.215	.187	.144	.126	.111	.046	.041	.036	
5.0	.414	.347	.298	.355	.300	.259	.245	.210	.183	.142	.123	.109	.046	.040	.036	
6.0	.406	.339	.292	.349	.294	.254	.241	.206	.180	.140	.121	.107	.045	.040	.035	
7.0	.398	.333	.287	.343	.289	.251	.237	.202	.178	.138	.119	.106	.044	.039	.035	
8.0	.391	.328	.284	.337	.284	.248	.233	.200	.176	.136	.118	.105	.044	.039	.035	
9.0	.385	.323	.282	.331	.280	.246	.230	.197	.174	.134	.116	.104	.043	.038	.034	
10.0	.379	.319	.279	.326	.277	.244	.226	.195	.173	.132	.115	.103	.043	.038	.034	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm											
NAME: ASD-LWS26-18D9SM-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		1.7	3.0	2.3	3.7	4.6	-3.3	-1.9	-2.6	-1.2	-0.3
3H		4.6	5.9	5.3	6.6	7.5	-0.9	0.3	-0.2	1.1	2.0
4H		6.3	7.5	7.0	8.2	9.1	0.4	1.6	1.1	2.3	3.3
6H		8.1	9.2	8.9	10.0	11.0	1.8	2.9	2.6	3.7	4.7
8H		9.1	10.2	9.9	11.0	11.9	2.6	3.6	3.3	4.4	5.4
12H		10.2	11.2	11.0	12.0	13.0	3.3	4.4	4.1	5.1	6.1
4H 2H		1.8	3.0	2.5	3.7	4.7	-1.7	-0.5	-1.0	0.2	1.2
3H		5.0	6.0	5.8	6.8	7.8	0.7	1.7	1.5	2.5	3.5
4H		6.8	7.8	7.6	8.6	9.6	2.0	2.9	2.7	3.7	4.7
6H		8.9	9.7	9.7	10.6	11.6	3.3	4.1	4.1	5.0	6.0
8H		10.0	10.8	10.8	11.7	12.7	3.9	4.7	4.8	5.6	6.6
12H		11.3	12.1	12.1	12.9	14.0	4.7	5.5	5.5	6.3	7.4
8H 4H		7.0	7.8	7.8	8.6	9.7	3.1	3.9	3.9	4.8	5.8
6H		9.3	10.0	10.1	10.8	11.9	4.7	5.4	5.6	6.3	7.3
8H		10.6	11.2	11.4	12.1	13.2	5.5	6.1	6.3	7.0	8.1
12H		12.1	12.7	13.0	13.6	14.7	6.2	6.8	7.1	7.7	8.8
12H 4H		7.0	7.7	7.8	8.6	9.6	3.5	4.2	4.3	5.1	6.2
6H		9.3	9.9	10.2	10.8	11.9	5.2	5.9	6.1	6.7	7.8
8H		10.7	11.3	11.6	12.2	13.3	6.1	6.7	7.0	7.6	8.7
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 / - 0.1				
2.0H		+ 0.4 / - 0.4					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 168.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -6.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-RGBW-BK	TYPE: LED	WEIGHT:
SPEC.: 6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

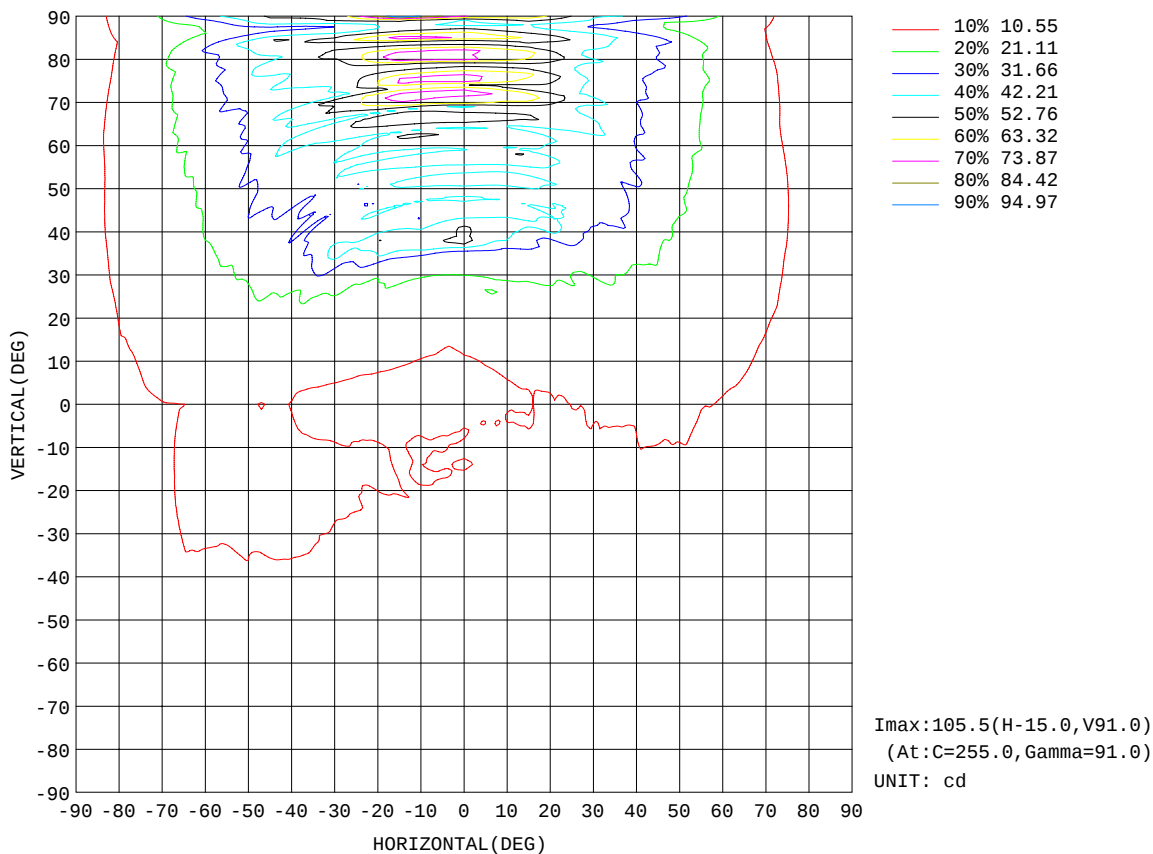
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	37	23	16	36	23	15	33	22	15	8
0.80	45	31	22	43	30	21	40	28	20	11
1.00	53	37	28	50	36	27	46	36	25	15
1.25	60	44	34	57	43	33	51	39	31	19
1.50	65	50	39	61	48	38	55	44	35	23
2.00	73	59	48	69	56	47	62	51	43	28
2.50	78	65	55	74	62	53	66	56	48	32
3.00	82	70	61	78	67	58	69	60	53	36
4.00	88	77	69	83	73	65	73	66	59	41
5.00	92	82	74	86	78	71	76	70	64	44
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: 2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-RGBW-BK	TYPE: LED	WEIGHT:
SPEC.: 6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

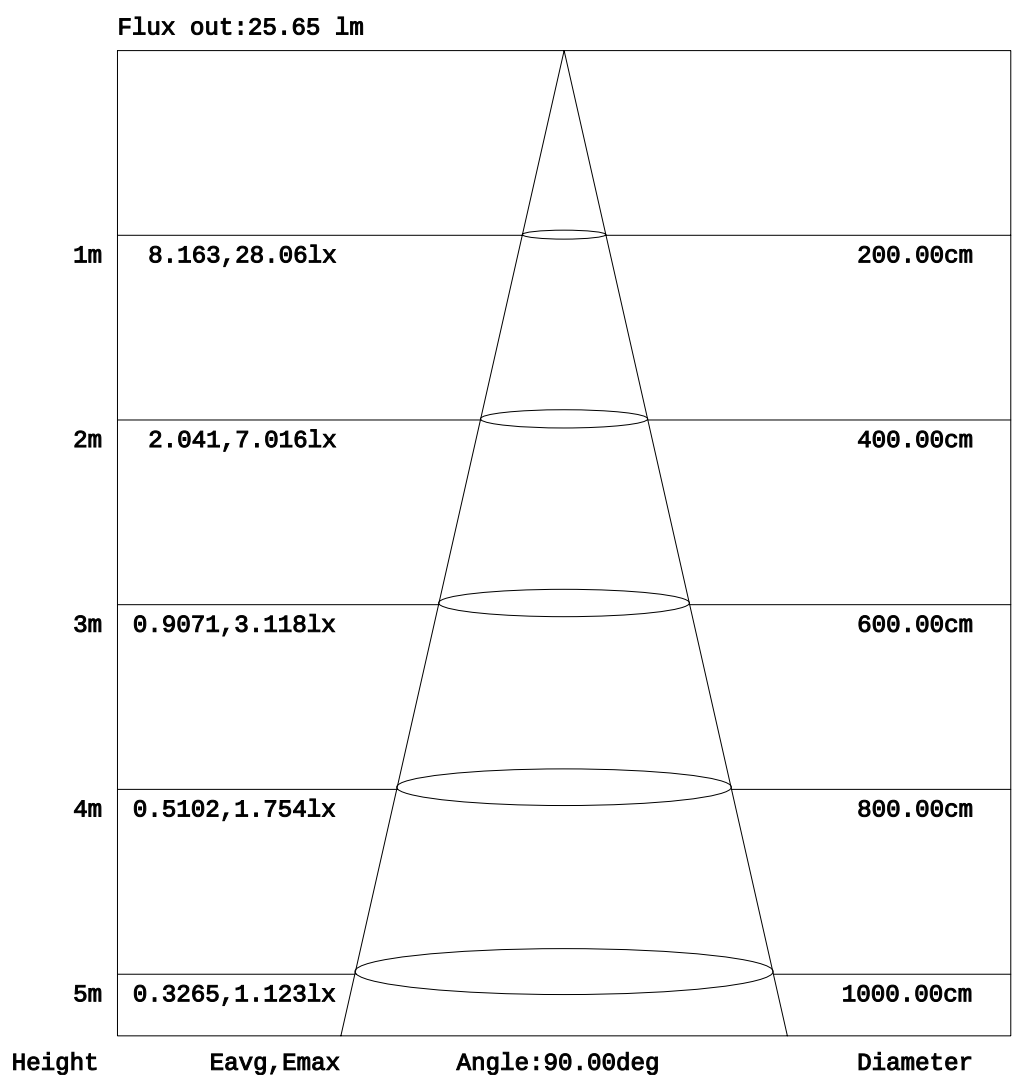


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-RGBW-BK	TYPE: LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



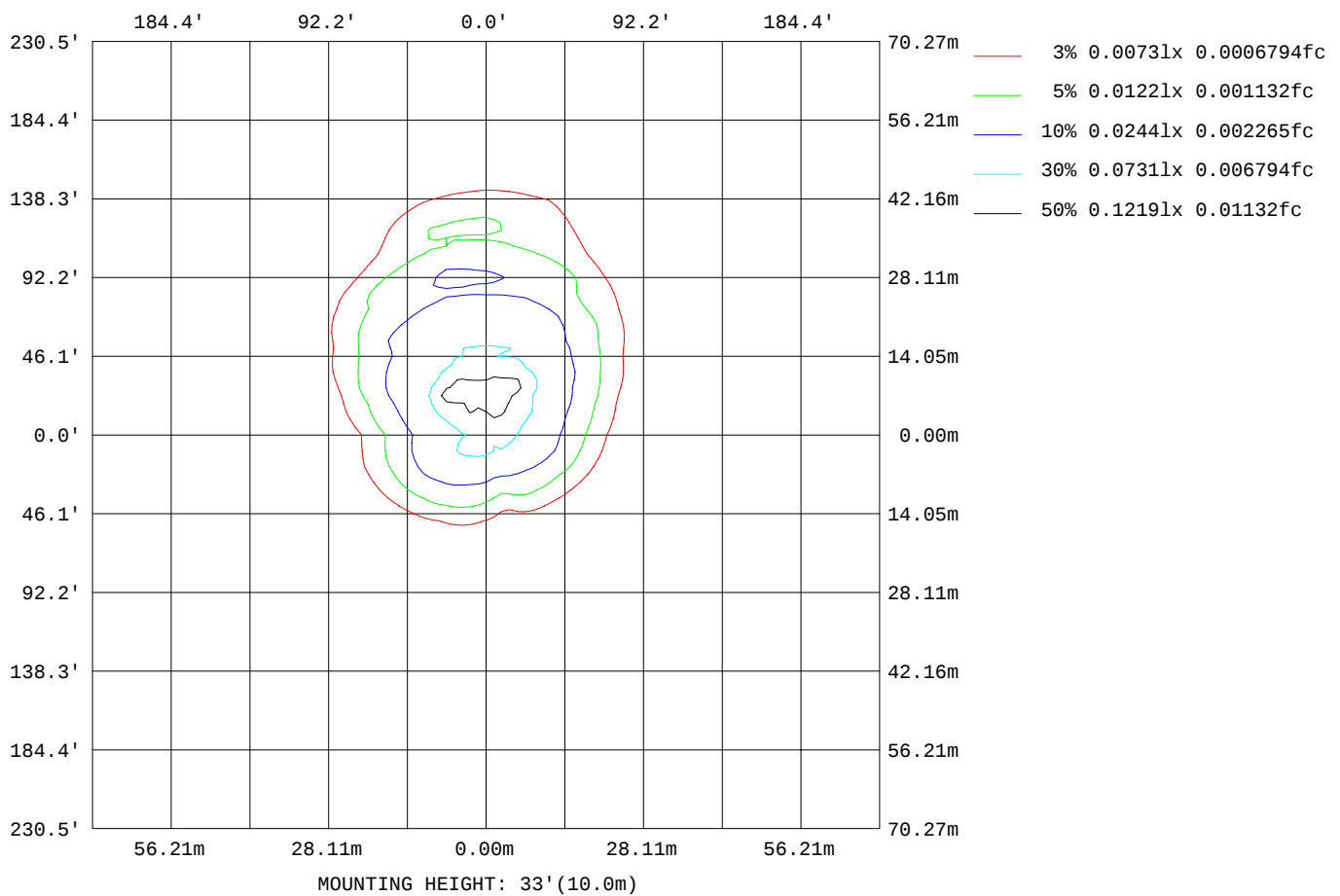
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-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: 2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-RGBW-BK	TYPE: LED	WEIGHT:
SPEC.: 6500K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

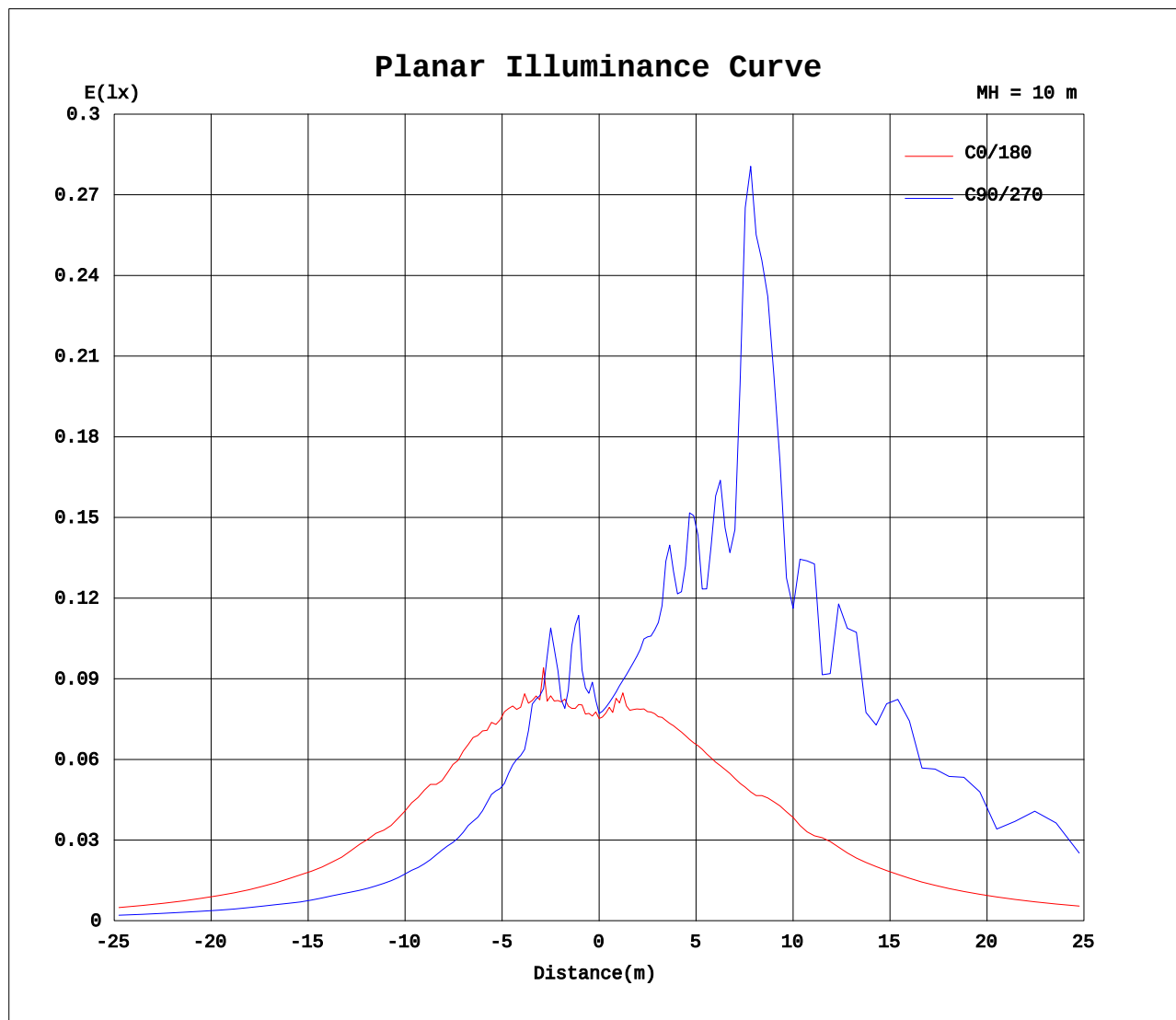
AvgL	cd/m2
L_0~180(65)av	241
L_0~180(75)av	359
L_0~180(85)av	910
L_90~270(65)av	630
L_90~270(75)av	1591
L_90~270(85)av	4256
L_45(65)av	473
L_45(75)av	733
L_45(85)av	2581

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-05-06

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: 2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm																		
NAME: ASD-LWS26-18D9SM-RGBW-BK										TYPE: LED					WEIGHT:			
SPEC.: 6500K										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	7.53	7.69	7.77	7.46	7.33	7.05	7.72	7.74	7.84	7.84	8.03	8.11	7.53	7.69	7.77	7.46	7.33	7.05	7.72
5	8.12	7.96	8.00	8.74	9.38	8.64	9.43	8.45	8.88	8.71	8.27	8.50	8.37	7.46	7.55	7.68	7.71	7.78	8.61
10	8.64	10.6	9.29	7.59	7.54	7.54	8.28	9.64	12.3	9.60	8.98	8.94	8.23	8.01	8.60	9.05	9.25	9.17	10.1
15	9.07	11.2	8.77	9.83	9.72	8.49	10.9	10.3	8.96	13.8	9.62	9.42	8.62	8.93	10.0	10.7	11.3	11.0	11.8
20	9.76	9.06	9.76	9.10	8.15	7.04	8.53	9.23	12.1	9.76	10.5	9.81	8.85	9.84	11.4	12.7	13.4	13.1	16.8
25	10.6	10.2	9.09	7.88	7.19	5.85	7.37	8.26	10.5	11.8	12.5	10.0	9.07	10.6	13.0	14.6	16.1	16.7	20.4
30	10.9	10.4	8.18	6.94	6.41	5.26	6.79	7.76	8.58	9.76	11.2	10.5	9.33	11.4	14.5	17.6	18.8	19.3	21.4
35	11.5	9.59	7.90	6.52	6.11	4.88	6.00	6.70	7.90	9.72	13.6	10.8	9.63	12.1	16.5	19.6	22.2	25.4	26.5
40	11.3	9.50	7.52	6.26	5.44	4.35	5.47	6.23	7.22	9.16	12.5	11.6	10.4	13.6	18.3	26.5	45.7	44.7	54.6
45	11.6	10.0	7.61	6.05	5.06	3.89	4.93	5.78	7.22	9.12	12.4	12.2	10.9	14.9	21.1	46.8	34.1	31.9	32.9
50	11.4	9.63	7.39	5.95	4.88	3.54	4.58	5.79	7.11	8.71	11.9	12.3	11.1	15.6	24.7	35.2	31.5	31.9	34.6
55	10.6	9.55	6.84	5.68	4.77	3.42	4.52	5.35	6.64	8.30	10.6	11.6	10.7	15.9	28.1	33.2	31.2	38.9	38.6
60	10.3	8.66	6.72	5.38	4.56	3.55	4.39	5.30	5.99	7.80	10.1	11.2	10.6	16.1	27.7	36.9	33.3	42.9	45.2
65	9.85	8.19	6.32	4.80	4.41	3.22	4.22	5.12	5.97	7.14	9.31	10.8	10.5	17.0	29.2	36.4	42.8	47.1	49.1
70	9.26	7.45	5.91	4.86	4.05	2.99	3.80	4.66	5.54	6.64	8.84	10.5	10.5	16.7	26.6	38.9	45.9	66.7	71.4
75	8.79	6.88	5.18	4.63	3.66	2.58	3.51	4.59	5.44	6.30	8.08	9.79	9.81	15.9	29.7	35.8	43.8	75.8	78.9
80	8.20	6.28	4.80	4.22	3.49	2.17	3.04	4.20	4.63	5.75	7.29	9.03	9.12	16.6	29.6	40.2	47.3	76.8	77.3
85	7.17	5.62	4.43	3.73	2.97	1.54	2.32	3.75	4.23	5.16	6.65	8.32	8.69	15.0	26.9	49.7	55.7	82.2	71.9
90	5.82	4.52	3.70	3.08	2.34	1.05	1.73	2.98	3.33	4.14	5.38	6.61	6.73	14.9	38.6	54.1	53.2	105	74.0
95	6.27	4.92	3.71	3.16	2.37	0.97	1.64	2.93	3.40	4.34	5.39	6.95	7.40	14.5	32.2	52.2	53.1	79.7	51.3
100	6.06	4.87	3.74	2.99	2.16	0.68	1.12	2.55	3.63	4.11	5.09	6.49	6.39	12.7	29.8	39.9	48.3	78.8	66.6
105	5.21	4.10	2.97	2.49	1.12	0.62	0.76	1.24	1.81	3.23	4.47	5.59	5.21	9.20	17.4	29.5	39.2	64.9	62.3
110	4.58	3.73	2.78	1.44	0.72	0.60	0.74	1.11	0.83	1.47	3.46	4.78	4.43	7.74	14.0	30.9	30.2	44.4	49.8
115	3.99	3.36	2.32	0.59	0.67	0.60	0.74	0.79	1.59	0.94	1.36	2.47	2.68	4.61	14.9	19.0	25.4	35.5	38.5
120	3.34	2.41	0.95	0.54	0.58	0.60	0.71	0.67	1.30	2.04	1.96	1.87	1.57	3.43	12.6	13.2	27.6	29.6	38.3
125	1.94	1.20	0.58	0.72	0.56	0.56	0.69	0.65	0.71	1.77	2.67	3.21	2.79	3.23	8.81	9.92	18.2	22.3	29.5
130	0.94	0.72	0.70	0.58	0.55	0.55	0.67	0.63	0.64	0.96	2.10	2.54	2.24	2.20	6.26	8.06	13.1	18.3	20.7
135	0.79	0.91	0.84	0.46	0.54	0.54	0.65	0.60	0.61	0.53	0.96	1.66	1.79	1.09	1.98	5.51	9.42	14.2	13.6
140	0.99	0.89	0.43	0.45	0.53	0.52	0.63	0.59	0.59	0.51	0.56	0.60	0.65	0.51	0.53	2.80	4.82	6.36	5.97
145	0.41	0.40	0.43	0.45	0.51	0.50	0.60	0.55	0.58	0.50	0.50	0.44	0.42	0.50	0.51	0.76	2.51	3.40	2.55
150	0.40	0.40	0.42	0.45	0.50	0.49	0.58	0.54	0.56	0.49	0.49	0.44	0.42	0.49	0.49	0.57	0.53	0.63	0.55
155	0.40	0.40	0.42	0.46	0.49	0.49	0.57	0.54	0.55	0.47	0.48	0.44	0.42	0.48	0.48	0.55	0.53	0.56	0.55
160	0.40	0.40	0.42	0.47	0.49	0.49	0.57	0.53	0.53	0.47	0.48	0.44	0.42	0.47	0.47	0.53	0.51	0.55	0.54
165	0.40	0.41	0.42	0.47	0.49	0.49	0.56	0.53	0.52	0.47	0.47	0.44	0.42	0.46	0.47	0.52	0.49	0.55	0.54
170	0.40	0.42	0.42	0.48	0.49	0.49	0.56	0.53	0.52	0.47	0.46	0.44	0.42	0.45	0.47	0.51	0.49	0.53	0.54
175	0.40	0.42	0.42	0.48	0.49	0.49	0.56	0.53	0.50	0.47	0.46	0.44	0.42	0.45	0.45	0.50	0.49	0.52	0.53
180	0.42	0.42	0.44	0.48	0.49	0.49	0.56	0.53	0.50	0.47	0.45	0.44	0.42	0.45	0.45	0.49	0.49	0.52	0.53

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-05-06

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:0.1351A P:7.719W PF:0.4757 Lamp Flux:168.657x1 lm		
NAME: ASD-LWS26-18D9SM-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	7.74	7.84	7.84	8.03	8.11														
5	8.67	8.75	8.69	8.91	8.92														
10	10.3	10.5	10.4	10.2	9.77														
15	12.4	12.8	11.8	11.7	10.8														
20	16.4	14.9	13.7	12.7	11.3														
25	18.9	17.4	15.7	14.0	11.9														
30	21.4	19.3	18.1	15.0	12.3														
35	25.0	23.5	19.6	15.8	12.8														
40	44.0	29.7	20.9	17.7	13.9														
45	36.9	45.8	23.7	19.6	14.7														
50	34.9	44.0	28.8	19.7	14.6														
55	36.8	38.2	34.2	21.2	13.9														
60	40.1	39.6	30.5	20.7	13.7														
65	39.6	36.7	31.6	20.3	13.3														
70	53.2	41.4	32.0	19.7	12.7														
75	58.7	40.1	29.1	19.5	12.2														
80	61.6	37.6	31.0	18.2	11.4														
85	63.6	46.8	31.3	16.7	9.97														
90	71.0	43.2	41.0	20.0	8.09														
95	61.3	46.9	34.4	15.6	8.28														
100	59.5	45.2	28.6	14.4	7.87														
105	50.4	34.1	20.1	10.7	6.19														
110	33.9	30.3	16.1	9.30	5.56														
115	31.1	18.7	14.2	8.30	4.88														
120	24.5	12.2	8.86	5.21	4.03														
125	13.9	9.74	5.29	3.04	2.74														
130	9.00	6.84	2.48	1.79	1.45														
135	6.05	4.09	1.54	1.66	1.22														
140	3.31	0.51	0.59	1.41	1.42														
145	0.55	0.49	0.44	0.50	0.74														
150	0.54	0.49	0.44	0.44	0.43														
155	0.54	0.49	0.44	0.43	0.43														
160	0.54	0.49	0.44	0.44	0.43														
165	0.54	0.49	0.44	0.44	0.43														
170	0.53	0.49	0.44	0.44	0.43														
175	0.53	0.50	0.44	0.44	0.43														
180	0.53	0.50	0.44	0.44	0.43														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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: