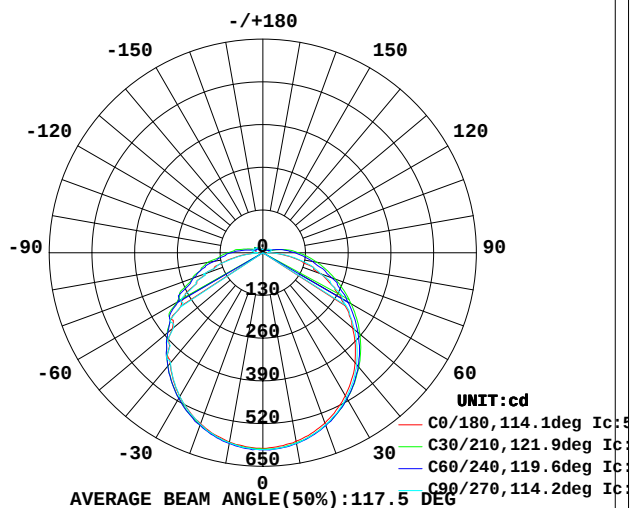


LUMINAIRE PHOTOMETRIC TEST REPORT

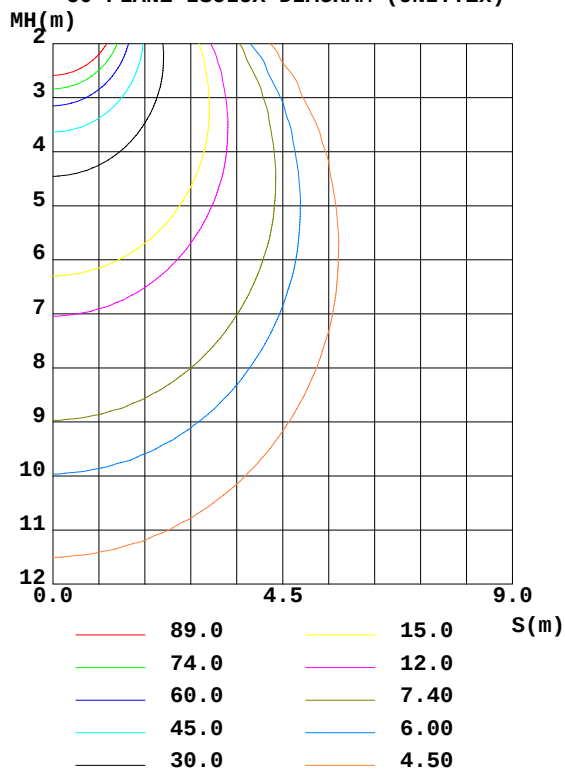
Test:U:120.2V I:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.18 lm/W			
MODEL	ASD-LWS-11-18D25CC-NK	I _{max} (cd)	602.2	S/MH(C0/180)	1.26
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2149.2	η UP, DN(C0-180)	4.0, 46.2
NOMINAL FLUX(lm)	2149.25	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.5, 45.3
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	91.5	CIBSE SHR MAX	1.55

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:2025-06-27

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	582.1	592.5	588.4	585.1	585.5	592.3	587.3	584.5	0- 10	56.42	56.42	2.63, 2.63
20	552.0	562.8	557.2	558.3	554.3	563.8	556.1	555.1	10- 20	161.9	218.3	10.2, 10.2
30	502.2	519.2	507.9	516.5	505.6	520.1	505.5	511.4	20- 30	247.2	465.5	21.7, 21.7
40	437.0	461.6	444.1	464.0	438.9	462.9	437.3	477.8	30- 40	301.6	767.1	35.7, 35.7
50	357.1	396.7	365.2	402.3	359.2	397.1	355.1	399.5	40- 50	321.3	1088	50.6, 50.6
60	277.2	326.0	279.1	335.6	279.4	328.4	288.4	327.5	50- 60	304.5	1393	64.8, 64.8
70	187.7	257.4	186.4	267.9	187.4	260.7	193.4	259.0	60- 70	258.6	1652	76.8, 76.8
80	98.98	191.4	103.7	202.6	88.36	193.7	82.72	196.5	70- 80	193.3	1845	85.8, 85.8
90	20.85	137.4	18.55	144.4	17.79	139.3	16.82	139.8	80- 90	121.5	1966	91.5, 91.5
100	18.95	88.48	21.86	89.49	21.49	79.59	33.91	89.89	90-100	72.92	2039	94.9, 94.9
110	21.05	46.32	26.98	19.03	23.70	35.62	29.22	51.57	100-110	41.02	2080	96.8, 96.8
120	20.22	15.50	22.05	21.86	23.47	21.99	25.27	24.75	110-120	23.97	2104	97.9, 97.9
130	16.33	12.57	16.54	12.20	22.50	29.37	23.91	32.12	120-130	16.72	2121	98.7, 98.7
140	13.36	10.54	13.10	10.78	20.59	12.18	20.29	12.49	130-140	11.42	2132	99.2, 99.2
150	11.15	9.789	10.94	10.20	18.31	10.75	17.07	10.86	140-150	8.008	2140	99.6, 99.6
160	9.656	9.196	9.498	9.492	12.56	10.15	12.38	10.35	150-160	5.191	2146	99.8, 99.8
170	8.419	8.635	8.450	8.642	10.65	9.855	10.59	9.944	160-170	2.804	2148	100, 100
180	8.642	8.758	8.650	8.823	8.658	8.750	8.662	8.823	170-180	0.8869	2149	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

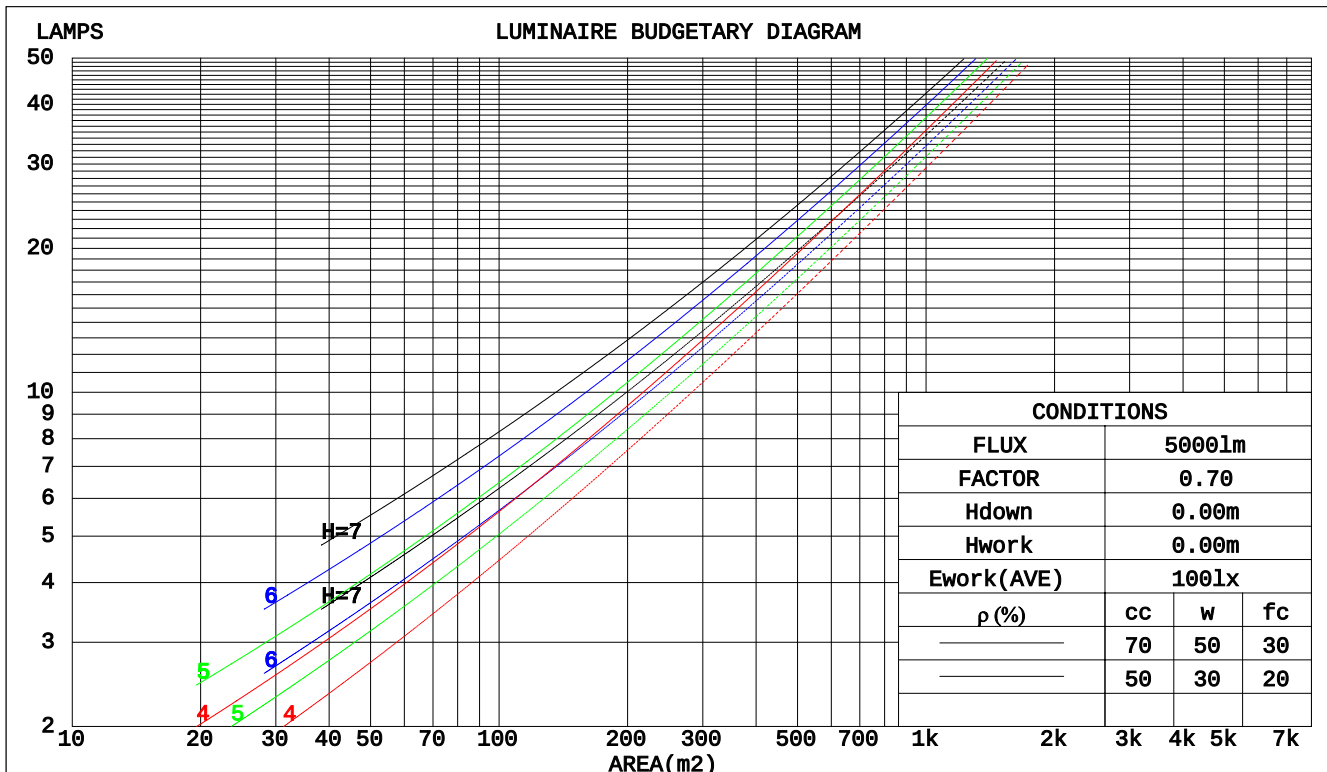
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.91
1.0	.99	.94	.90	.96	.91	.87	.90	.86	.83	.85	.82	.79	.80	.77	.75	.72
2.0	.85	.78	.71	.83	.76	.70	.78	.72	.67	.73	.68	.64	.69	.65	.61	.59
3.0	.74	.66	.59	.72	.64	.57	.68	.61	.55	.64	.58	.53	.60	.55	.51	.49
4.0	.65	.56	.49	.64	.55	.48	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.58	.49	.42	.57	.48	.41	.53	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.52	.43	.36	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.37	.33	.31
7.0	.47	.38	.32	.46	.38	.31	.44	.36	.31	.42	.35	.30	.39	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.33	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.39	.31	.25	.38	.31	.25	.37	.30	.24	.35	.29	.24	.33	.28	.23	.21
10.0	.36	.28	.23	.35	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm									
NAME: ASD-LWS-11-18D25CC-NK					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	.362	.206	.065	.352	.201	.064	.334	.191	.061	.317	.183	.059	.301	.175	.056		
2.0	.321	.176	.054	.312	.172	.053	.296	.165	.051	.281	.158	.049	.267	.151	.048		
3.0	.289	.154	.046	.281	.151	.045	.266	.144	.044	.253	.139	.042	.240	.133	.041		
4.0	.262	.136	.040	.255	.134	.039	.242	.128	.038	.230	.123	.037	.218	.119	.036		
5.0	.240	.122	.035	.233	.120	.035	.221	.115	.034	.210	.111	.033	.200	.107	.032		
6.0	.220	.110	.032	.215	.108	.031	.204	.104	.030	.194	.101	.030	.184	.097	.029		
7.0	.204	.101	.029	.199	.099	.028	.189	.095	.028	.180	.092	.027	.171	.089	.026		
8.0	.189	.093	.026	.185	.091	.026	.176	.088	.025	.168	.085	.024	.160	.082	.024		
9.0	.177	.086	.024	.173	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.166	.079	.022	.162	.078	.022	.154	.076	.021	.147	.073	.021	.141	.071	.020		

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	.255	.255	.255	.218	.218	.218	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.249	.221	.196	.213	.190	.168	.146	.131	.116	.084	.076	.068	.027	.024	.022	
2.0	.242	.198	.160	.207	.170	.139	.142	.118	.097	.082	.068	.057	.026	.022	.018	
3.0	.234	.181	.138	.201	.156	.119	.138	.108	.084	.080	.063	.049	.026	.021	.016	
4.0	.227	.168	.123	.194	.145	.107	.134	.101	.075	.077	.059	.044	.025	.019	.015	
5.0	.219	.158	.112	.188	.136	.098	.129	.095	.069	.075	.056	.041	.024	.018	.014	
6.0	.211	.150	.105	.182	.129	.092	.125	.091	.065	.073	.053	.038	.023	.017	.013	
7.0	.204	.143	.100	.176	.124	.087	.121	.087	.061	.071	.051	.037	.023	.017	.012	
8.0	.198	.137	.095	.170	.119	.083	.118	.083	.059	.069	.049	.035	.022	.016	.012	
9.0	.191	.132	.092	.165	.115	.080	.114	.081	.057	.067	.048	.034	.022	.016	.011	
10.0	.186	.128	.090	.160	.111	.078	.111	.078	.056	.065	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm										
NAME: ASD-LWS-11-18D25CC-NK					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	18.4	19.8	18.8	20.2	20.6	18.3	19.8	18.7	20.1	20.5
3H	20.1	21.5	20.5	21.9	22.3	20.0	21.4	20.4	21.8	22.2
4H	20.9	22.2	21.3	22.6	23.0	20.8	22.1	21.3	22.5	23.0
6H	21.6	22.8	22.1	23.3	23.7	21.6	22.8	22.0	23.2	23.7
8H	21.9	23.1	22.4	23.5	24.0	21.9	23.1	22.3	23.5	24.0
12H	22.1	23.3	22.6	23.7	24.2	22.1	23.3	22.6	23.7	24.2
4H 2H	19.2	20.5	19.7	20.9	21.4	19.2	20.5	19.6	20.9	21.3
3H	21.3	22.4	21.8	22.9	23.4	21.2	22.3	21.6	22.8	23.2
4H	22.3	23.3	22.8	23.8	24.3	22.2	23.2	22.7	23.7	24.2
6H	23.2	24.1	23.7	24.6	25.2	23.0	24.0	23.6	24.5	25.0
8H	23.5	24.4	24.1	24.9	25.5	23.4	24.3	23.9	24.8	25.4
12H	23.9	24.7	24.5	25.2	25.8	23.8	24.6	24.3	25.1	25.7
8H 4H	22.9	23.8	23.5	24.3	24.9	22.8	23.7	23.4	24.2	24.8
6H	24.2	25.0	24.8	25.5	26.1	24.1	24.8	24.6	25.4	26.0
8H	24.8	25.5	25.4	26.1	26.7	24.6	25.3	25.2	25.9	26.5
12H	25.4	26.0	26.0	26.6	27.2	25.2	25.8	25.8	26.4	27.0
12H 4H	23.1	23.9	23.6	24.4	25.0	23.0	23.8	23.5	24.3	24.9
6H	24.5	25.2	25.1	25.8	26.4	24.4	25.1	25.0	25.6	26.3
8H	25.3	25.9	25.9	26.5	27.2	25.1	25.7	25.7	26.3	26.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2149 lm Total Lamp Luminous Flux.(8log(F/F₀) = 2.7)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

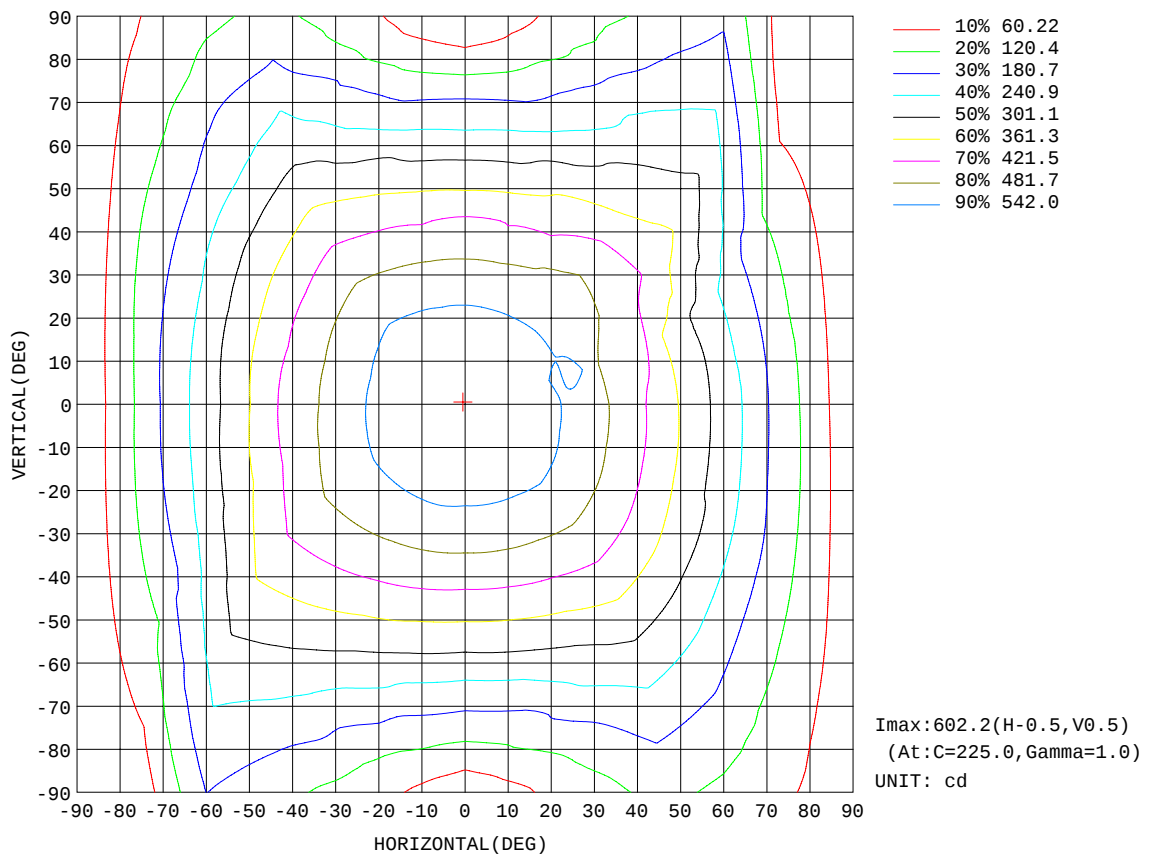
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	40	33	51	40	33	50	39	32	26
0.80	62	49	41	60	49	41	58	48	41	33
1.00	70	57	49	68	57	49	65	58	48	40
1.25	77	65	57	75	64	56	71	62	55	47
1.50	82	70	62	80	69	62	76	67	60	51
2.00	89	79	71	86	77	70	82	74	68	58
2.50	93	84	76	90	82	75	85	78	73	62
3.00	97	88	81	94	86	80	88	82	77	66
4.00	101	94	88	98	92	86	92	87	83	71
5.00	104	98	92	101	95	90	95	90	86	74
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:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

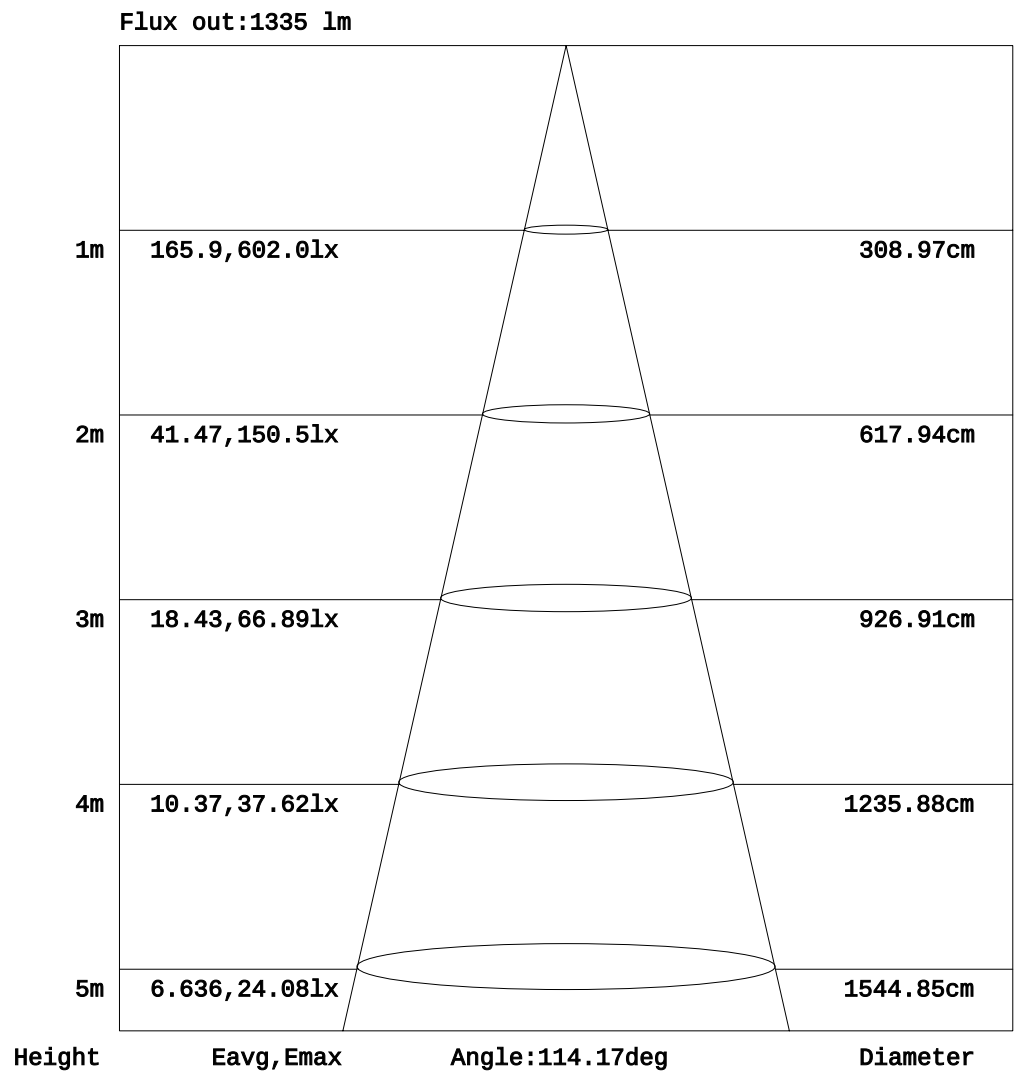


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



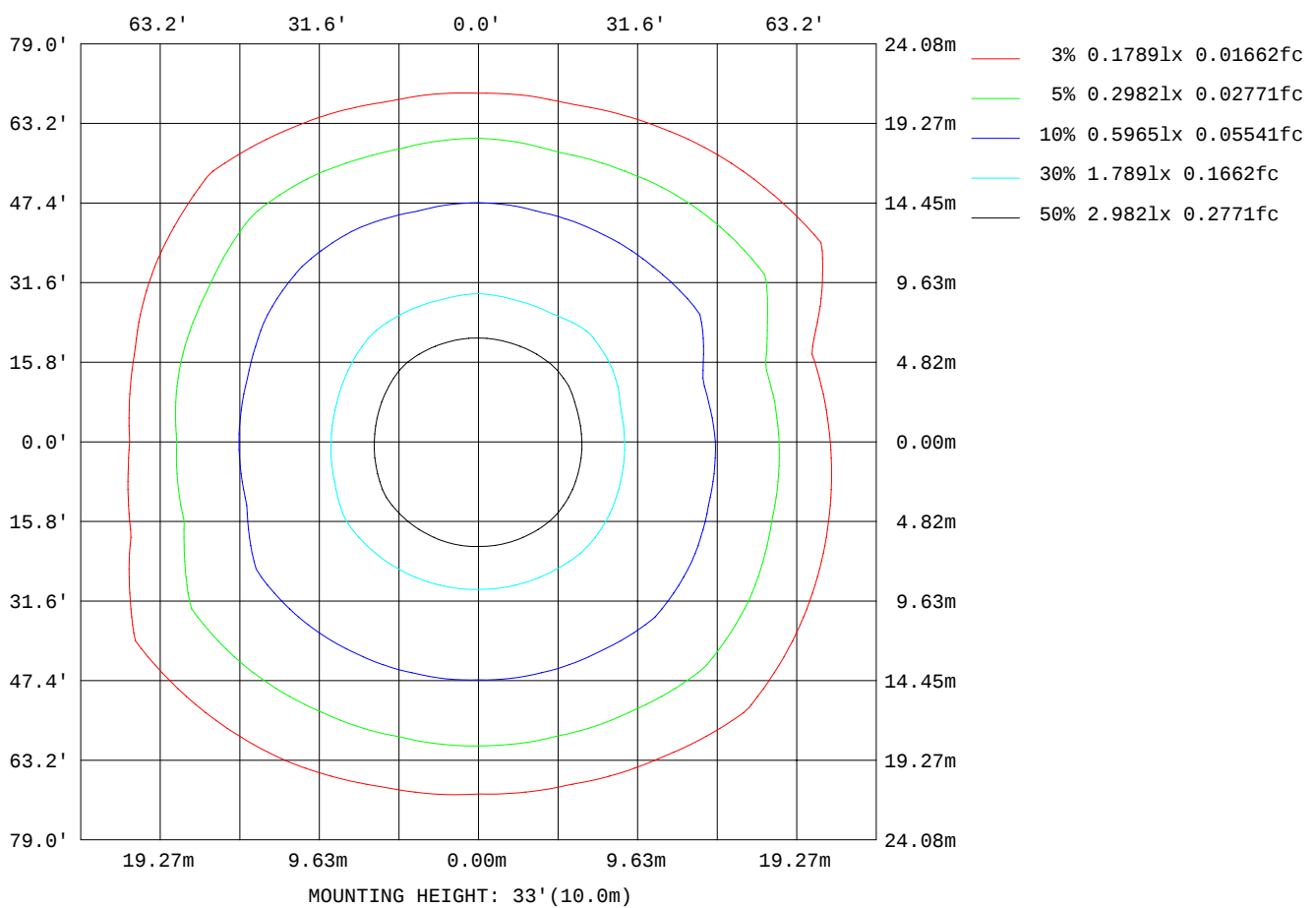
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	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: 2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

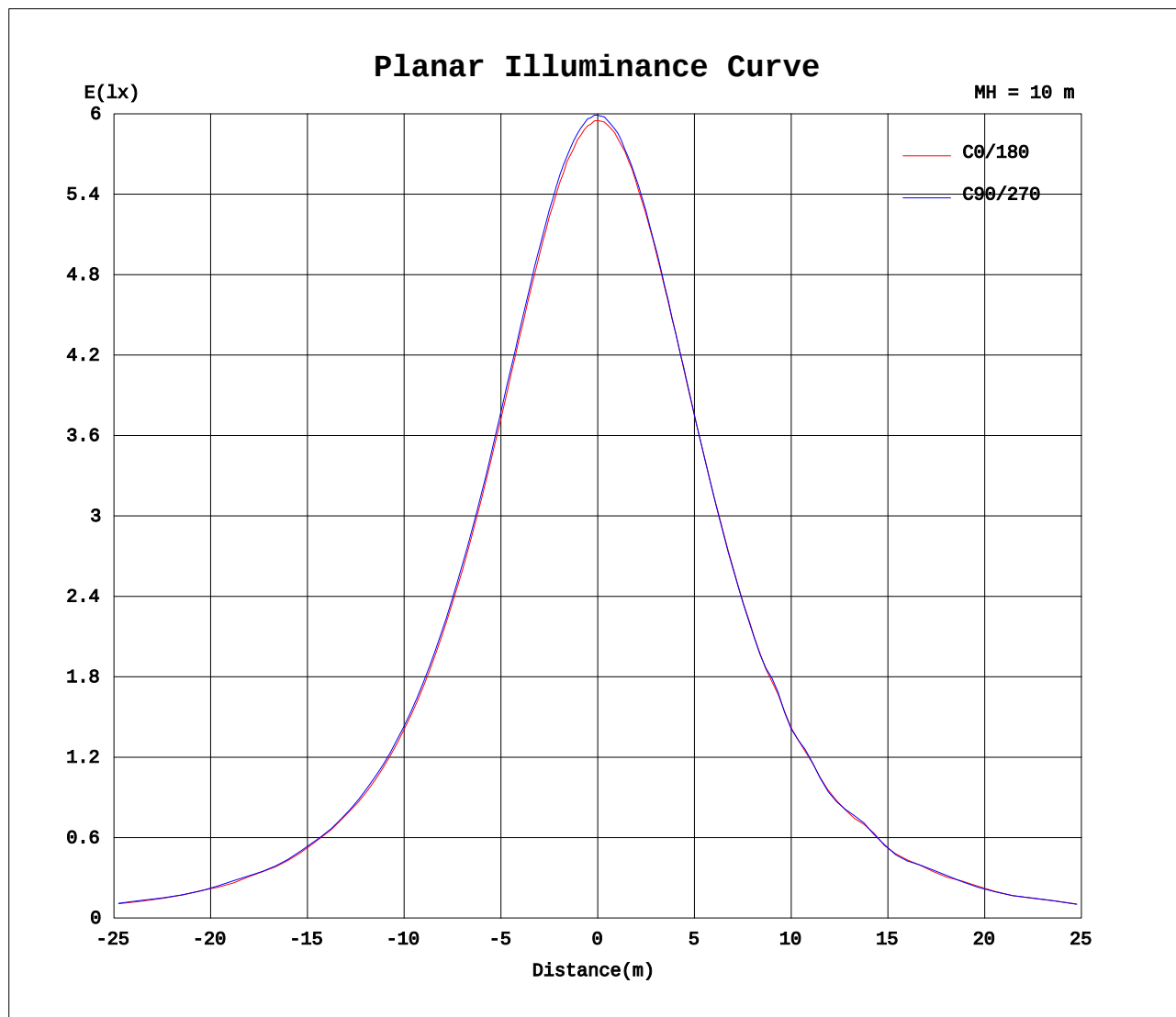
AvgL	cd/m2
L_0~180(65)av	5358
L_0~180(75)av	5383
L_0~180(85)av	5639
L_90~270(65)av	5378
L_90~270(75)av	5637
L_90~270(85)av	5353
L_45(65)av	6986
L_45(75)av	8980
L_45(85)av	19234

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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: 2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm																		
NAME: ASD-LWS-11-18D25CC-NK									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	595	595	598	602	600	600	599	597	596	595	592	591	595	595	598	602	600	600	599
5	591	591	596	599	597	597	596	596	593	593	590	589	593	593	595	600	598	597	596
10	582	584	587	593	590	589	588	587	585	585	583	582	585	585	587	592	589	587	587
15	569	572	575	580	577	576	575	574	574	573	572	571	572	571	575	580	576	574	574
20	552	554	558	563	560	559	557	558	557	558	558	556	554	554	558	564	558	556	556
25	528	532	538	543	538	536	536	538	538	539	541	536	531	531	537	544	537	533	533
30	502	506	513	519	513	510	508	511	513	517	521	512	506	505	511	520	512	506	505
35	471	476	486	492	484	480	479	481	485	492	499	483	475	474	483	493	483	475	473
40	437	443	455	462	451	446	444	449	454	464	474	451	439	440	450	463	450	440	437
45	399	406	421	431	416	409	405	412	421	434	447	415	402	406	414	431	414	404	399
50	357	366	386	397	378	369	365	371	384	402	419	374	359	367	380	397	378	363	355
55	320	326	348	361	338	326	323	330	346	369	389	331	336	332	346	363	347	325	330
60	277	294	310	326	298	281	279	289	307	336	359	295	279	288	302	328	299	290	288
65	231	251	272	291	260	237	232	244	270	301	329	248	222	239	276	294	261	230	223
70	188	200	235	257	223	203	186	205	230	268	299	201	187	211	227	261	225	192	193
75	144	157	199	223	189	161	153	169	199	236	268	157	135	156	195	237	191	147	138
80	99.0	125	167	191	154	125	104	130	171	203	240	113	88.4	119	170	194	150	104	82.7
85	56.6	93.0	136	164	125	85.4	58.5	95.9	132	172	211	67.9	41.7	85.6	131	167	119	69.9	34.8
90	20.9	66.6	109	137	98.6	57.1	18.6	63.0	103	144	182	29.4	17.8	60.6	106	139	95.4	47.6	16.8
95	19.7	47.1	86.0	112	77.1	37.4	18.0	43.3	82.8	119	154	17.8	21.7	42.5	86.9	108	70.6	32.7	25.3
100	19.0	26.2	58.7	88.5	57.7	24.6	21.9	25.8	55.2	89.5	119	23.7	21.5	32.0	62.4	79.6	49.0	24.2	33.9
105	20.0	20.5	26.5	64.1	37.5	24.7	26.4	19.3	23.7	52.9	83.1	19.4	22.9	28.1	45.9	52.5	32.4	29.5	31.6
110	21.0	25.2	21.0	46.3	22.3	24.2	27.0	26.2	22.0	19.0	46.8	20.2	23.7	28.2	32.3	35.6	24.2	21.6	29.2
115	21.2	19.5	18.7	29.0	16.9	17.9	25.1	18.4	17.1	19.6	13.3	20.4	24.0	21.3	23.9	31.2	21.4	18.4	26.7
120	20.2	15.9	14.3	15.5	17.8	15.6	22.0	15.6	15.8	21.9	21.0	19.6	23.5	18.7	25.1	22.0	28.8	16.6	25.3
125	18.5	14.4	15.0	13.4	14.9	14.4	19.5	14.3	16.6	12.6	24.0	18.6	23.6	16.6	26.0	16.7	19.0	15.6	24.2
130	16.3	13.6	13.3	12.6	12.5	13.4	16.5	13.4	13.6	12.2	12.9	17.2	22.5	15.8	16.4	29.4	14.4	15.1	23.9
135	14.8	12.7	11.8	11.5	11.7	12.5	14.7	12.5	12.1	11.7	10.5	15.3	22.5	15.1	14.5	15.0	13.5	14.7	22.0
140	13.4	12.0	11.2	10.5	11.1	12.0	13.1	11.7	11.5	10.8	9.76	14.2	20.6	14.7	13.6	12.2	12.8	14.4	20.3
145	12.0	11.3	10.8	10.2	10.6	11.4	11.8	11.1	11.1	10.5	9.68	13.1	19.8	14.4	12.7	11.4	12.2	15.0	19.6
150	11.2	10.7	10.4	9.79	10.1	10.9	10.9	10.5	10.6	10.2	9.59	11.8	18.3	14.0	12.1	10.7	11.7	14.4	17.1
155	10.3	10.2	9.94	9.49	9.73	10.0	10.1	10.0	10.1	9.93	9.32	11.1	15.1	12.8	11.8	10.3	11.4	12.6	14.5
160	9.66	9.63	9.49	9.20	9.34	9.51	9.50	9.51	9.64	9.49	8.88	10.3	12.6	11.6	11.0	10.2	11.1	12.0	12.4
165	9.09	9.06	8.87	8.68	8.84	9.04	9.00	9.02	9.09	8.87	8.70	9.78	11.4	11.0	10.2	10.1	10.3	11.4	11.3
170	8.42	8.41	8.48	8.63	8.54	8.45	8.45	8.43	8.52	8.64	8.67	8.88	10.7	10.4	10.1	9.86	10.3	10.8	10.6
175	8.50	8.52	8.61	8.73	8.57	8.52	8.53	8.53	8.54	8.65	8.71	8.54	10.2	10.0	9.92	10.0	10.2	10.3	10.1
180	8.64	8.65	8.72	8.76	8.65	8.62	8.65	8.63	8.74	8.82	8.83	8.57	8.66	8.63	8.72	8.75	8.64	8.62	8.66

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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:0.1968A P:23.32W PF:0.9861 Lamp Flux:2149.25x1 lm		
NAME: ASD-LWS-11-18D25CC-NK	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	597	596	595	592	591														
5	594	593	591	589	586														
10	586	584	584	581	577														
15	573	572	573	570	563														
20	553	555	555	554	543														
25	531	533	536	535	555														
30	503	507	511	513	526														
35	472	482	496	490	460														
40	437	445	478	466	426														
45	403	408	444	439	399														
50	359	373	399	417	348														
55	323	336	356	385	298														
60	283	292	327	358	258														
65	224	256	295	328	212														
70	190	216	259	298	162														
75	147	189	234	268	120														
80	112	151	196	231	74.7														
85	76.3	119	168	199	33.1														
90	54.2	99.0	140	171	20.9														
95	37.5	78.6	114	146	23.4														
100	28.2	57.1	89.9	116	21.1														
105	30.4	41.3	69.1	87.1	21.1														
110	23.0	28.9	51.6	69.1	21.0														
115	19.4	24.4	37.7	52.8	20.5														
120	17.8	31.5	24.8	36.6	20.0														
125	16.5	22.0	20.6	22.4	19.0														
130	15.5	16.0	32.1	16.9	18.5														
135	15.1	14.7	15.5	17.4	19.3														
140	14.9	13.7	12.5	12.0	18.3														
145	14.4	12.7	11.7	10.3	17.5														
150	14.0	12.3	10.9	10.2	15.9														
155	12.4	11.8	10.5	10.0	13.5														
160	11.6	11.0	10.3	9.93	11.6														
165	10.9	10.2	10.0	9.88	10.8														
170	10.3	10.1	9.94	9.64	10.4														
175	9.96	9.90	9.58	9.02	9.96														
180	8.63	8.75	8.82	8.84	8.57														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-06-27

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: