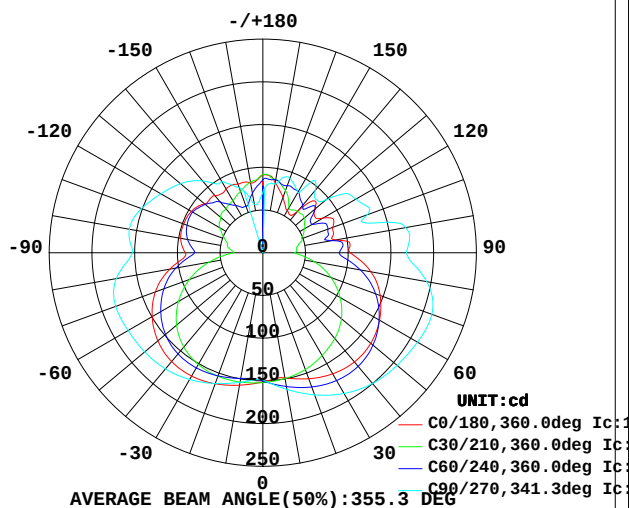


LUMINAIRE PHOTOMETRIC TEST REPORT

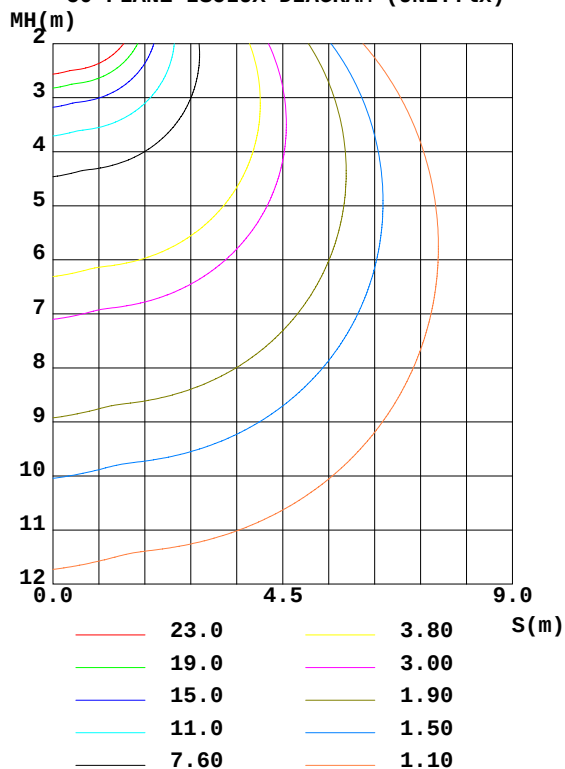
Test:U:120.1V I:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 57.63 lm/W
MODEL	ASD-LWS27A-72D40SM-RGBW-BK	I _{max} (cd)	234.6	S/MH(C0/180)	1.67	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.78	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2305	η UP, DN(C0-180)	18.9, 31.9	
NOMINAL FLUX(lm)	2305	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	19.9, 29.3	
LAMPS INSIDE	1	η up(%)	38.8	CIBSE SHR NOM	1.75	
TEST VOLTAGE(V)	120	η down(%)	61.2	CIBSE SHR MAX	1.75	

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	148.8	155.6	162.5	156.1	157.4	147.3	154.0	157.9	0- 10	14.57	14.57	0.92,0.92
20	156.9	159.7	177.0	170.6	163.2	148.2	162.9	167.6	10- 20	45.01	59.58	3.77,3.77
30	163.6	161.0	190.2	184.5	166.7	146.8	171.3	176.5	20- 30	76.48	136.1	8.6,8.6
40	166.8	157.6	199.7	195.4	166.2	141.9	177.4	183.0	30- 40	106.3	242.4	15.3,15.3
50	164.9	148.4	205.1	202.4	160.4	132.0	180.6	187.0	40- 50	131.2	373.6	23.6,23.6
60	157.7	133.1	209.1	207.7	149.7	117.2	182.2	190.6	50- 60	148.5	522.1	33,33
70	146.2	112.2	210.5	213.0	133.9	98.27	183.3	192.4	60- 70	157.8	679.9	43,43
80	128.5	85.55	194.8	205.1	110.6	74.86	174.2	178.3	70- 80	154.8	834.7	52.8,52.8
90	102.2	56.65	168.1	177.2	90.97	50.99	152.7	161.1	80- 90	133.9	968.6	61.2,61.2
100	86.80	54.98	170.0	176.1	97.79	62.05	158.8	164.1	90-100	124.3	1093	69.1,69.1
110	87.20	55.22	130.2	140.5	98.72	68.36	151.1	151.0	100-110	113.5	1206	76.3,76.3
120	81.31	66.94	125.9	133.3	96.74	66.08	137.9	136.1	110-120	102.8	1309	82.8,82.8
130	79.22	66.59	96.67	105.9	89.00	67.91	125.8	123.2	120-130	87.39	1397	88.3,88.3
140	64.57	73.74	95.32	95.79	87.52	62.85	109.7	105.9	130-140	68.12	1465	92.6,92.6
150	57.14	72.43	81.72	78.08	86.26	53.70	96.20	96.87	140-150	51.62	1516	95.9,95.9
160	69.09	79.35	92.82	59.52	85.54	62.91	80.93	91.54	150-160	35.48	1552	98.1,98.1
170	83.77	84.91	81.70	62.13	83.05	76.96	57.75	87.59	160-170	22.28	1574	99.5,99.5
180	91.23	86.30	70.88	87.78	91.37	86.23	71.01	87.87	170-180	7.605	1582	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

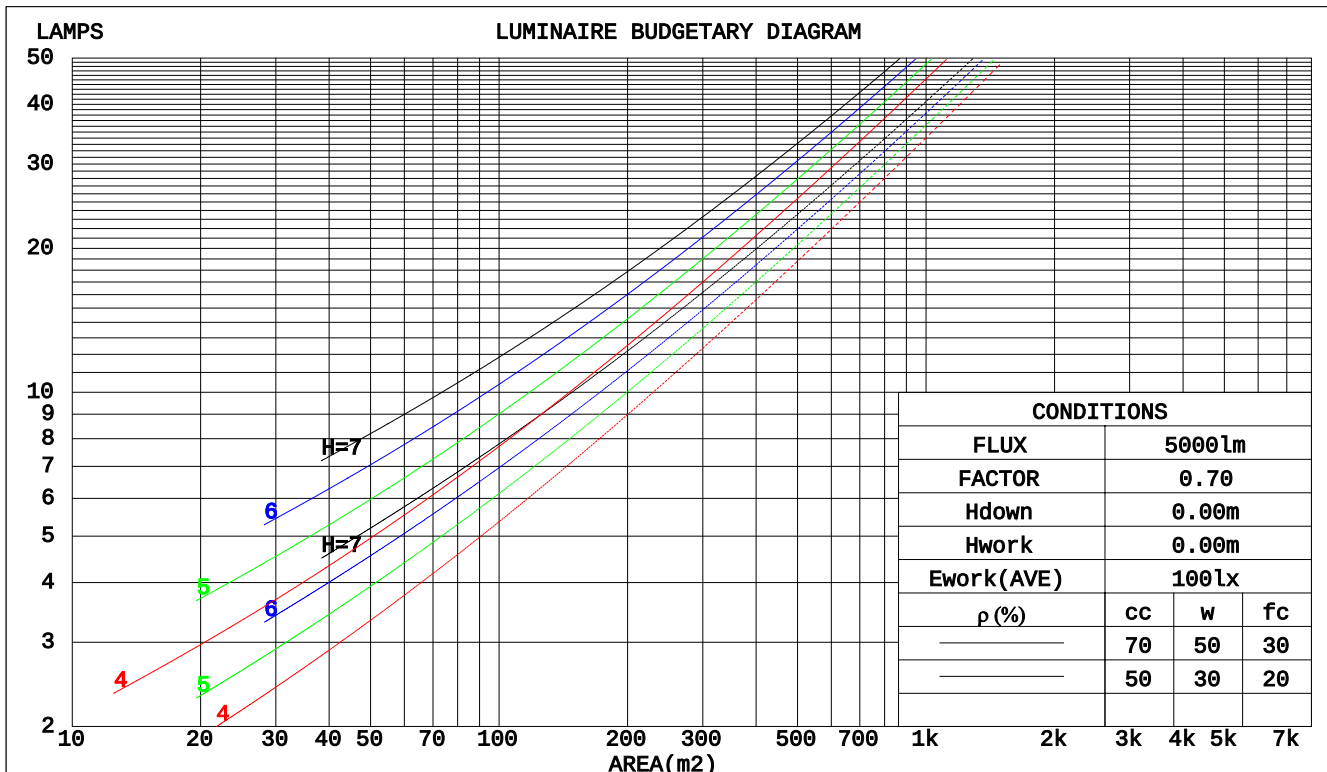
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-05-06

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-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	1.03	1.03	1.03	.90	.90	.90	.78	.78	.78	.66	.66	.66	.61
1.0	.90	.84	.79	.84	.79	.74	.72	.68	.65	.62	.59	.56	.52	.50	.48	.43
2.0	.76	.68	.61	.71	.63	.57	.61	.55	.50	.52	.47	.43	.43	.40	.37	.32
3.0	.65	.56	.49	.61	.53	.46	.52	.46	.40	.44	.39	.35	.37	.33	.29	.25
4.0	.57	.47	.40	.53	.44	.38	.45	.39	.33	.39	.33	.28	.32	.28	.24	.20
5.0	.50	.41	.34	.47	.38	.32	.40	.33	.28	.34	.28	.24	.28	.24	.20	.17
6.0	.45	.35	.29	.42	.33	.27	.36	.29	.24	.30	.25	.20	.25	.21	.17	.14
7.0	.40	.31	.25	.37	.29	.23	.32	.25	.20	.27	.22	.18	.23	.18	.15	.12
8.0	.36	.27	.21	.34	.26	.20	.29	.23	.18	.25	.19	.15	.21	.16	.13	.11
9.0	.33	.25	.19	.31	.23	.18	.27	.20	.16	.23	.18	.14	.19	.15	.12	.09
10.0	.30	.22	.17	.28	.21	.16	.24	.18	.14	.21	.16	.12	.18	.14	.10	.08



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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm					
NAME:ASD-LWS27A-72D40SM-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	.402	.229	.072	.383	.219	.069	.347	.199	.064	.315	.182	.058	.285	.165	.053		
2.0	.341	.187	.057	.324	.178	.055	.292	.162	.050	.262	.147	.046	.234	.132	.042		
3.0	.300	.160	.048	.284	.152	.046	.255	.138	.042	.227	.124	.038	.202	.112	.035		
4.0	.268	.139	.041	.254	.133	.039	.227	.120	.036	.201	.108	.033	.178	.097	.029		
5.0	.242	.124	.036	.229	.118	.034	.204	.106	.031	.181	.096	.028	.159	.085	.026		
6.0	.221	.111	.032	.209	.106	.030	.186	.095	.028	.165	.086	.025	.145	.076	.023		
7.0	.203	.101	.029	.192	.096	.027	.171	.087	.025	.151	.078	.023	.133	.069	.020		
8.0	.188	.092	.026	.178	.088	.025	.158	.079	.023	.140	.071	.020	.123	.063	.018		
9.0	.175	.085	.024	.165	.081	.023	.147	.073	.021	.130	.065	.019	.114	.058	.017		
10.0	.163	.078	.022	.155	.075	.021	.138	.067	.019	.122	.060	.017	.106	.054	.015		

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	.486	.486	.486	.415	.415	.415	.283	.283	.283	.163	.163	.163	.052	.052	.052	
1.0	.484	.453	.425	.415	.389	.366	.284	.268	.253	.163	.155	.147	.052	.050	.048	
2.0	.479	.431	.392	.410	.371	.339	.281	.257	.236	.162	.149	.138	.052	.048	.045	
3.0	.472	.416	.371	.404	.359	.322	.278	.249	.226	.160	.146	.133	.052	.047	.044	
4.0	.464	.404	.358	.398	.349	.311	.274	.243	.219	.158	.143	.130	.051	.046	.043	
5.0	.457	.395	.349	.392	.342	.304	.270	.239	.214	.157	.140	.127	.050	.046	.042	
6.0	.450	.387	.343	.386	.335	.298	.267	.235	.211	.155	.138	.126	.050	.045	.041	
7.0	.443	.381	.338	.381	.330	.295	.263	.232	.209	.153	.136	.124	.049	.045	.041	
8.0	.436	.376	.334	.375	.326	.292	.260	.229	.207	.151	.135	.123	.049	.044	.041	
9.0	.430	.371	.332	.370	.322	.289	.257	.226	.205	.149	.134	.122	.048	.044	.041	
10.0	.424	.367	.329	.366	.319	.287	.254	.224	.204	.148	.133	.122	.048	.044	.040	

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm											
NAME:ASD-LWS27A-72D40SM-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		12.8	14.0	13.6	14.8	15.7	15.0	16.2	15.7	17.0	17.9
3H		15.8	16.9	16.6	17.7	18.7	18.3	19.4	19.1	20.2	21.2
4H		17.4	18.5	18.2	19.3	20.3	20.2	21.2	21.0	22.0	23.0
6H		19.3	20.2	20.1	21.1	22.1	22.2	23.1	23.0	24.0	25.0
8H		20.3	21.2	21.1	22.0	23.1	23.2	24.2	24.0	25.0	26.0
12H		21.4	22.3	22.2	23.2	24.2	24.4	25.3	25.3	26.2	27.2
4H 2H		13.6	14.7	14.4	15.5	16.5	15.3	16.3	16.1	17.2	18.2
3H		16.4	17.3	17.2	18.1	19.2	18.8	19.7	19.6	20.5	21.6
4H		18.1	18.9	18.9	19.8	20.8	20.8	21.6	21.7	22.5	23.6
6H		20.0	20.8	20.9	21.6	22.7	23.0	23.7	23.9	24.6	25.7
8H		21.1	21.8	22.0	22.7	23.8	24.2	24.9	25.1	25.8	26.9
12H		22.4	23.1	23.3	24.0	25.1	25.6	26.2	26.5	27.1	28.3
8H 4H		18.6	19.2	19.4	20.1	21.3	20.9	21.6	21.8	22.5	23.6
6H		20.5	21.1	21.4	22.0	23.2	23.4	23.9	24.3	24.9	26.0
8H		21.7	22.2	22.6	23.1	24.3	24.8	25.3	25.7	26.2	27.4
12H		23.1	23.6	24.1	24.5	25.7	26.4	26.8	27.3	27.8	29.0
12H 4H		18.8	19.4	19.7	20.3	21.5	20.9	21.5	21.8	22.4	23.6
6H		20.7	21.3	21.7	22.2	23.4	23.4	23.9	24.3	24.8	26.0
8H		21.9	22.4	22.9	23.3	24.5	24.8	25.3	25.8	26.2	27.4
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		+ 0.4 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 1582 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

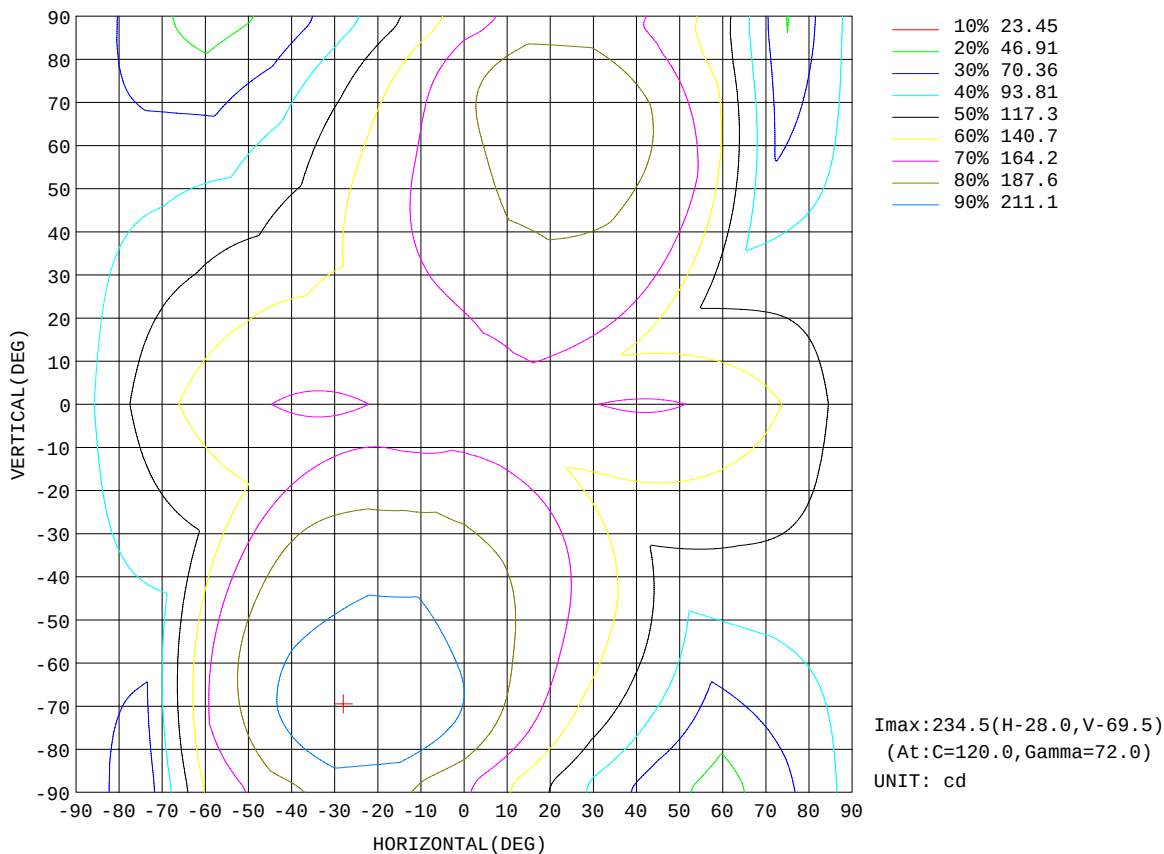
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	40	27	20	38	26	19	35	24	18	11
0.80	48	35	26	46	33	26	42	31	24	15
1.00	56	42	33	53	40	32	47	39	30	19
1.25	63	49	40	59	47	38	53	42	35	23
1.50	68	55	45	64	52	43	57	47	40	26
2.00	76	63	54	71	60	52	62	54	47	31
2.50	81	69	60	76	65	57	66	58	52	34
3.00	85	74	66	79	70	62	69	62	56	37
4.00	90	81	73	84	76	69	73	67	62	41
5.00	93	85	79	87	80	74	76	70	66	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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

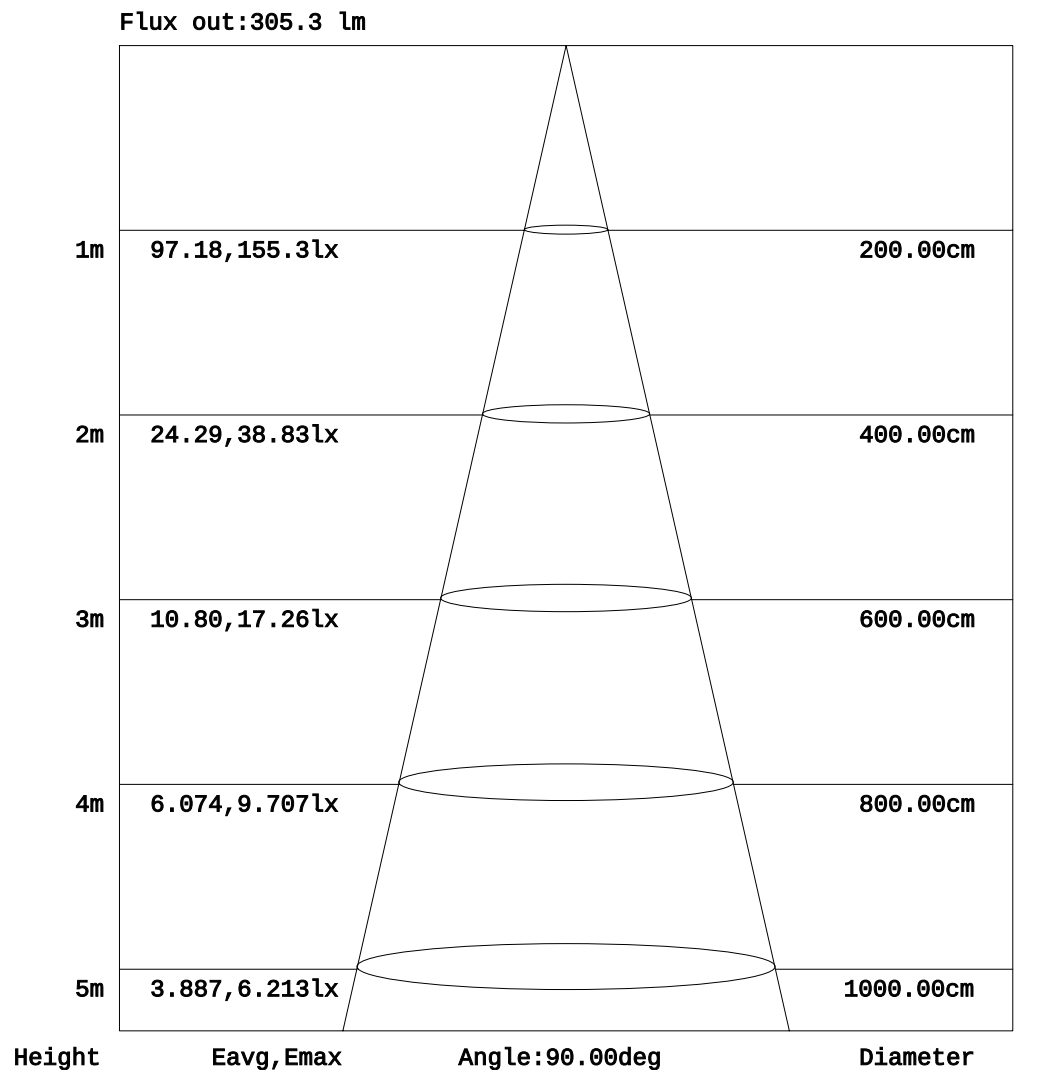


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-05-06

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



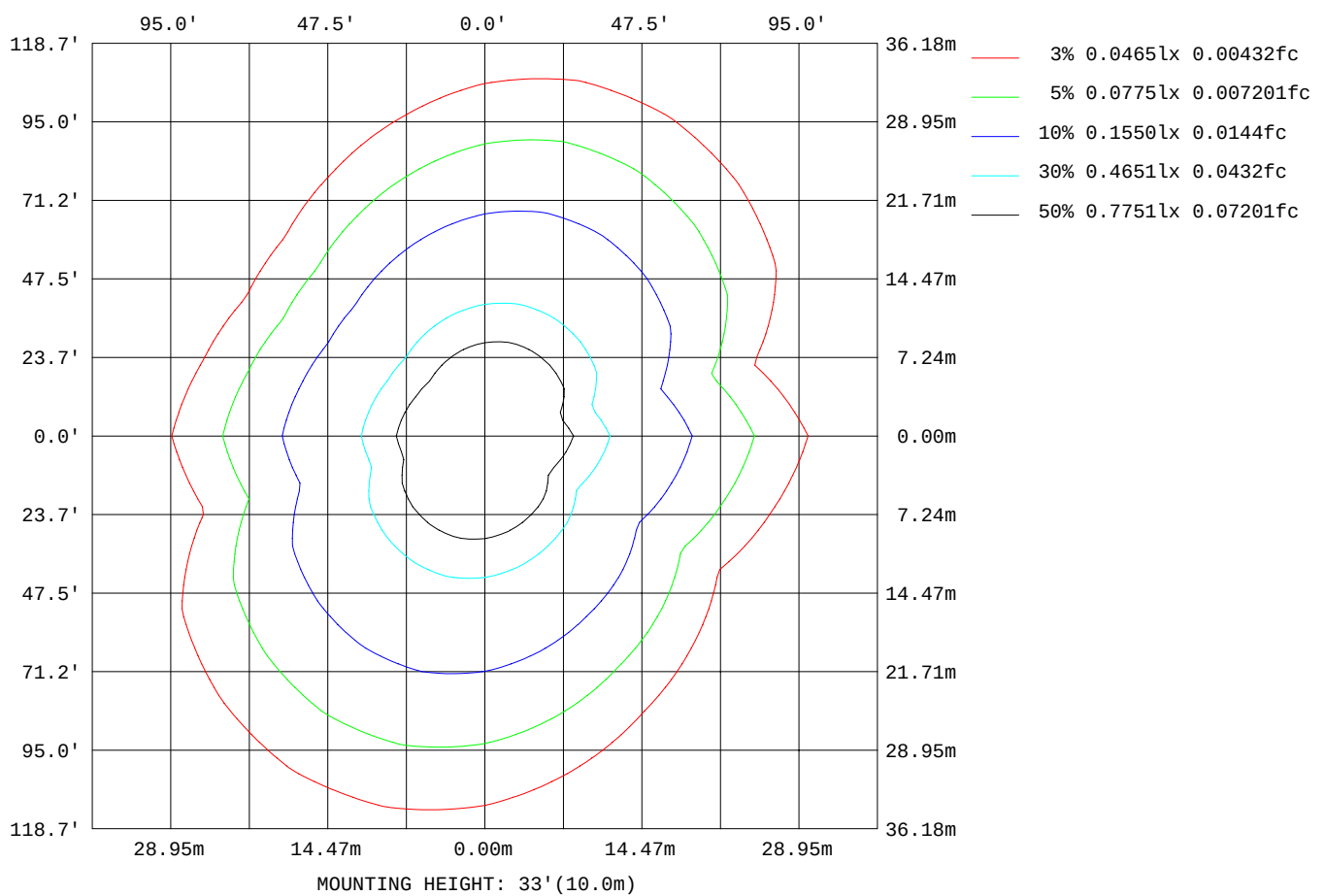
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NNAME:ASD-LWS27A-72D40SM-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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

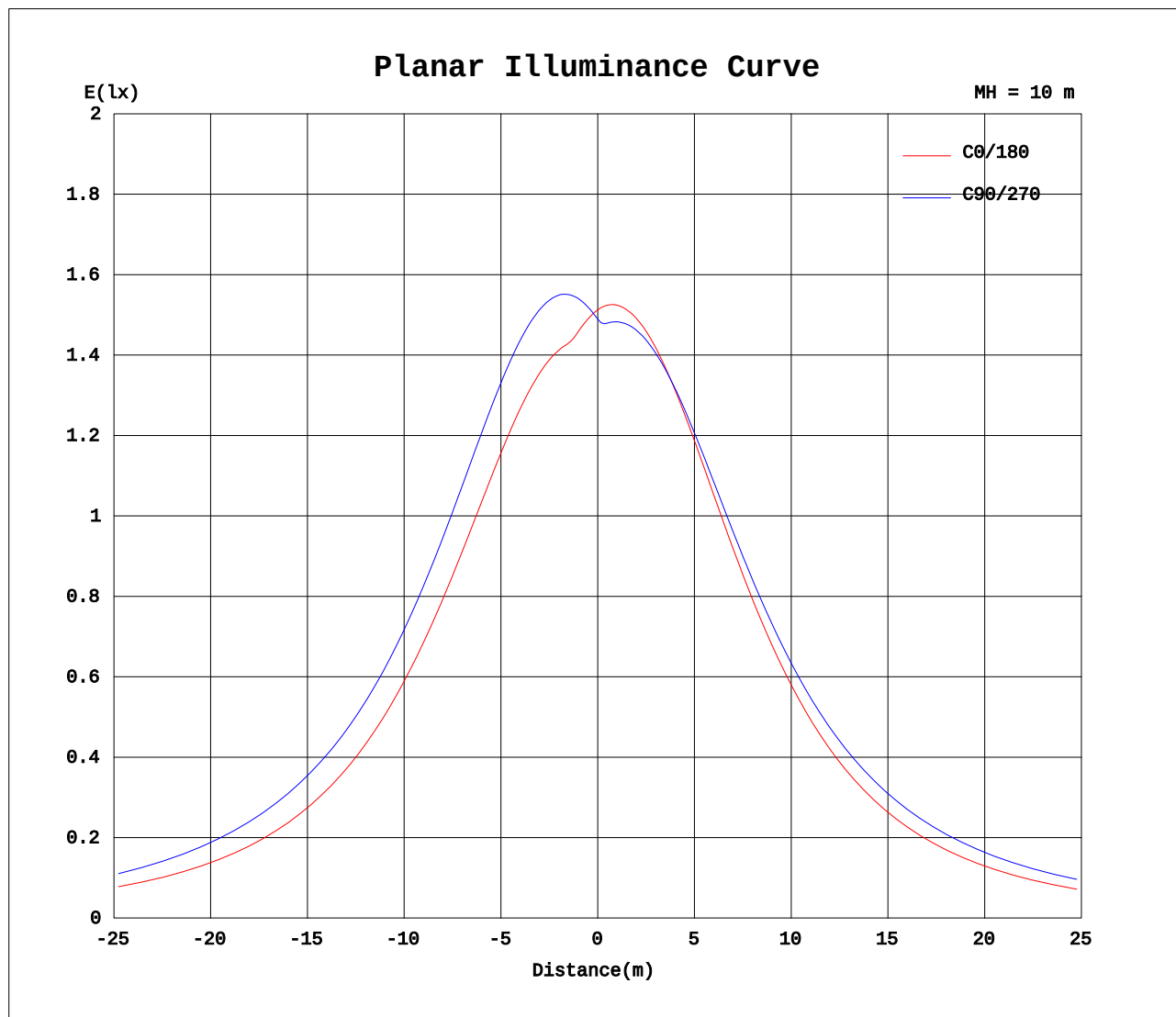
AvgL	cd/m2
L_0~180(65)av	3490
L_0~180(75)av	5060
L_0~180(85)av	12151
L_90~270(65)av	4661
L_90~270(75)av	7467
L_90~270(85)av	19595
L_45(65)av	3755
L_45(75)av	5668
L_45(85)av	14019

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm																		
NAME:ASD-LWS27A-72D40SM-RGBW-BK									TYPE:LED					WEIGHT:				
SPEC.:6500K									DIM.:					SERIAL No.:				
MFR.:ASD Lighting Corp									SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	151	152	152	150	150	150	149	149	149	149	150	150	151	152	152	150	150	150	149
5	148	149	151	153	155	155	155	155	152	149	147	153	154	154	153	148	148	149	150
10	149	147	150	156	159	161	162	163	159	156	152	155	157	156	154	147	149	152	154
15	153	147	148	158	163	167	170	171	167	163	158	157	160	157	154	148	152	155	158
20	157	148	145	160	167	173	177	179	175	171	164	158	163	159	154	148	153	159	163
25	161	150	143	161	170	178	184	186	183	178	170	159	165	159	153	148	155	162	167
30	164	150	139	161	173	183	190	194	191	184	175	158	167	159	151	147	156	164	171
35	166	150	135	160	174	186	196	200	197	190	179	157	167	157	148	145	156	166	175
40	167	149	131	158	174	188	200	206	203	195	183	154	166	155	144	142	155	167	177
45	167	146	126	154	172	189	203	211	208	199	184	150	164	150	139	138	152	167	179
50	165	142	120	148	168	189	205	215	212	202	185	144	160	145	132	132	149	166	181
55	162	137	113	141	163	187	207	219	217	205	185	137	156	138	124	125	144	163	181
60	158	130	104	133	157	184	209	224	222	208	184	128	150	129	114	117	138	161	182
65	152	123	95.2	123	150	181	211	230	228	211	183	118	142	120	103	108	131	157	183
70	146	114	85.1	112	140	176	211	233	234	213	181	106	134	109	91.5	98.3	123	153	183
75	138	104	73.9	99.6	129	168	206	230	234	212	176	93.6	123	96.3	78.5	87.2	114	147	181
80	128	92.3	61.5	85.5	116	156	195	221	226	205	168	79.4	111	82.4	64.1	74.9	103	138	174
85	116	79.0	48.1	69.9	100	141	179	205	212	192	156	63.8	95.9	67.5	48.8	61.4	90.8	126	163
90	102	66.0	37.1	56.7	89.4	130	168	192	197	177	142	50.7	91.0	58.8	34.5	51.0	80.3	116	153
95	102	64.1	39.7	60.0	94.1	134	172	195	198	177	142	53.9	95.1	63.4	37.4	56.3	84.4	120	156
100	86.8	57.0	40.7	55.0	82.9	132	170	193	196	176	137	50.9	97.8	67.7	42.0	62.0	89.4	124	159
105	85.8	59.6	44.5	57.6	79.5	101	135	167	163	136	107	52.9	98.8	70.7	43.2	66.3	92.7	125	157
110	87.2	62.0	48.3	55.2	81.2	109	130	138	146	141	117	52.9	98.7	72.7	47.5	68.4	94.5	123	151
115	91.4	57.1	52.4	57.5	81.4	107	132	155	159	140	114	57.6	98.2	72.8	52.7	68.1	95.6	121	144
120	81.3	62.9	56.2	66.9	66.5	106	126	145	150	133	113	62.1	96.7	71.1	57.9	66.1	95.2	118	138
125	74.3	71.4	59.5	62.4	68.2	90.2	121	137	141	128	103	63.6	94.0	73.6	62.2	67.5	91.8	115	132
130	79.2	58.6	63.6	66.6	80.3	79.2	96.7	120	123	106	84.6	68.5	89.0	73.7	64.8	67.9	88.3	110	126
135	86.1	60.9	64.3	68.3	74.9	85.7	88.3	95.2	97.3	91.2	86.6	68.7	88.3	74.8	67.3	65.6	82.9	104	119
140	64.6	63.1	63.4	73.7	72.8	94.4	95.3	95.0	96.7	95.8	94.5	72.0	87.5	77.7	67.3	62.8	77.5	94.2	110
145	54.6	61.0	61.1	75.5	76.6	76.9	103	105	107	105	75.8	72.4	84.5	79.7	68.9	58.6	69.5	88.9	99.1
150	57.1	60.2	61.1	72.4	82.8	83.1	81.7	91.1	93.6	78.1	56.6	70.5	86.3	80.5	70.4	53.7	64.1	81.9	96.2
155	61.9	66.8	70.6	73.1	83.4	87.5	87.5	86.6	82.9	65.3	54.7	72.3	87.3	81.1	73.6	54.6	58.8	69.1	88.1
160	69.1	72.6	77.7	79.3	83.5	90.0	92.8	91.1	83.3	59.5	61.9	78.3	85.5	80.9	76.8	62.9	57.9	64.4	80.9
165	75.8	80.9	82.8	83.5	83.6	86.9	91.0	86.4	77.5	59.7	65.2	82.6	85.6	79.9	80.5	70.7	62.3	61.0	71.0
170	83.8	87.5	87.1	84.9	86.8	85.6	81.7	74.0	49.2	62.1	76.0	84.2	83.0	82.2	83.9	77.0	70.8	60.8	57.7
175	90.7	90.1	90.3	84.6	86.3	86.5	81.0	68.3	64.1	79.2	88.7	84.2	85.1	85.8	85.9	82.2	78.3	70.8	59.5
180	91.2	91.5	91.8	86.3	85.5	80.6	70.9	62.0	70.7	87.8	89.5	85.6	91.4	91.5	91.8	86.2	85.7	80.8	71.0

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:0.6047A P:40W PF:0.5633 Lamp Flux:2305x1 lm		
NAME:ASD-LWS27A-72D40SM-RGBW-BK	TYPE:LED	WEIGHT:
SPEC.:6500K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345													
0	149	149	149	150	150													
5	152	153	153	153	148													
10	157	157	158	157	146													
15	162	163	163	161	147													
20	167	168	168	165	146													
25	172	173	172	169	146													
30	177	178	177	172	145													
35	181	182	180	174	142													
40	185	186	183	175	139													
45	188	189	185	175	134													
50	191	193	187	174	129													
55	194	196	189	173	121													
60	198	200	191	171	113													
65	202	205	192	168	104													
70	205	207	192	164	93.9													
75	204	205	188	156	82.7													
80	197	197	178	145	70.3													
85	184	184	165	131	56.8													
90	176	178	161	127	45.9													
95	180	182	165	131	51.0													
100	181	182	164	132	56.8													
105	176	176	159	130	60.9													
110	168	167	151	126	62.5													
115	158	157	143	122	61.7													
120	149	148	136	118	61.7													
125	141	140	130	114	63.9													
130	134	133	123	109	65.1													
135	125	124	116	101	63.5													
140	115	114	106	94.0	61.0													
145	103	102	98.2	94.2	55.9													
150	97.8	98.9	96.9	89.3	51.2													
155	93.4	93.6	91.3	89.2	55.7													
160	92.2	92.3	91.5	89.5	63.8													
165	90.1	91.7	90.5	87.7	71.2													
170	71.1	88.2	87.6	86.1	77.6													
175	62.0	83.9	83.8	83.5	82.0													
180	62.0	70.7	87.9	89.5	85.6													

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: