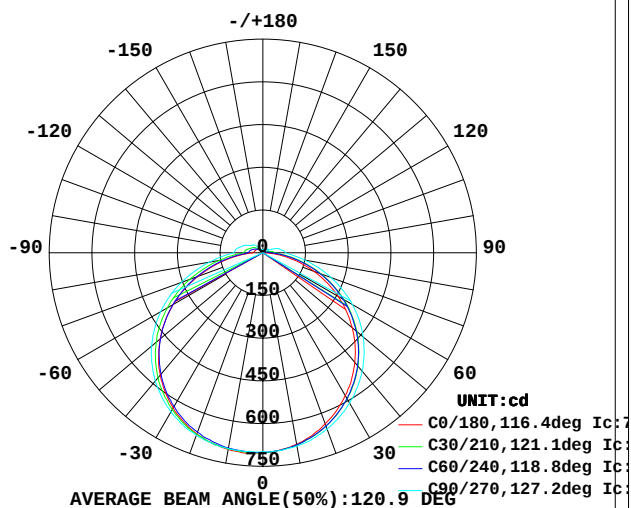


LUMINAIRE PHOTOMETRIC TEST REPORT

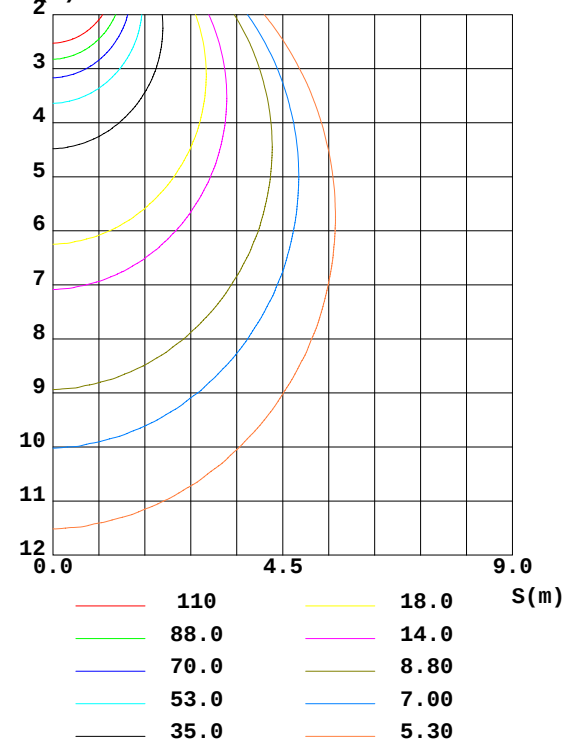
Test:U:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.01 lm/W			
MODEL	ASD-0LWS23-24D30CC-BK	I _{max} (cd)	706.2	S/MH(C0/180)	1.33
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2604.0	η UP, DN(C0-180)	4.0, 43.6
NOMINAL FLUX(lm)	2603.97	CIE CLASS	DIRECT	η UP, DN(C180-360)	5.3, 47.1
LAMPS INSIDE	1	η up(%)	9.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	90.7	CIBSE SHR MAX	1.50

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	682.9	683.6	689.0	696.7	701.1	695.8	698.5	698.6	0- 10	66.55	66.55	2.56, 2.56
20	640.2	645.6	659.7	676.6	678.0	667.8	681.9	682.3	10- 20	193.1	259.6	9.97, 9.97
30	579.1	586.5	609.2	636.4	629.7	617.4	645.4	645.9	20- 30	298.6	558.3	21.4, 21.4
40	502.5	512.0	542.3	577.2	560.1	545.1	588.6	589.6	30- 40	370.4	928.7	35.7, 35.7
50	410.2	420.1	460.3	498.9	470.7	452.1	509.9	515.7	40- 50	399.3	1328	51, 51
60	304.4	315.1	363.0	405.3	364.0	343.2	414.5	426.0	50- 60	380.9	1709	65.6, 65.6
70	190.7	200.6	254.9	296.4	242.7	222.4	304.2	320.3	60- 70	316.8	2026	77.8, 77.8
80	80.19	89.67	149.7	191.0	121.9	104.0	191.4	213.7	70- 80	218.6	2244	86.2, 86.2
90	8.907	7.405	80.54	121.9	35.81	30.87	103.3	126.0	80- 90	117.6	2362	90.7, 90.7
100	7.722	7.541	63.66	105.5	30.15	29.24	91.49	109.5	90-100	75.88	2438	93.6, 93.6
110	8.130	7.876	42.44	92.53	27.68	27.23	72.70	90.43	100-110	59.61	2497	95.9, 95.9
120	8.203	8.065	19.55	59.92	24.39	24.05	51.07	59.17	110-120	41.90	2539	97.5, 97.5
130	8.357	8.261	17.79	44.70	20.44	20.00	43.64	40.55	120-130	26.41	2566	98.5, 98.5
140	8.696	8.585	10.90	32.39	15.24	14.69	26.50	44.38	130-140	19.30	2585	99.3, 99.3
150	9.089	9.004	9.632	16.35	9.686	9.384	11.33	21.66	140-150	10.14	2595	99.7, 99.7
160	9.655	9.609	9.967	10.71	9.605	9.601	10.99	11.25	150-160	4.985	2600	99.9, 99.9
170	10.04	10.02	10.17	10.24	9.902	9.882	10.30	10.51	160-170	2.887	2603	100, 100
180	10.07	10.05	10.26	10.34	10.09	10.05	10.26	10.33	170-180	0.9696	2604	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

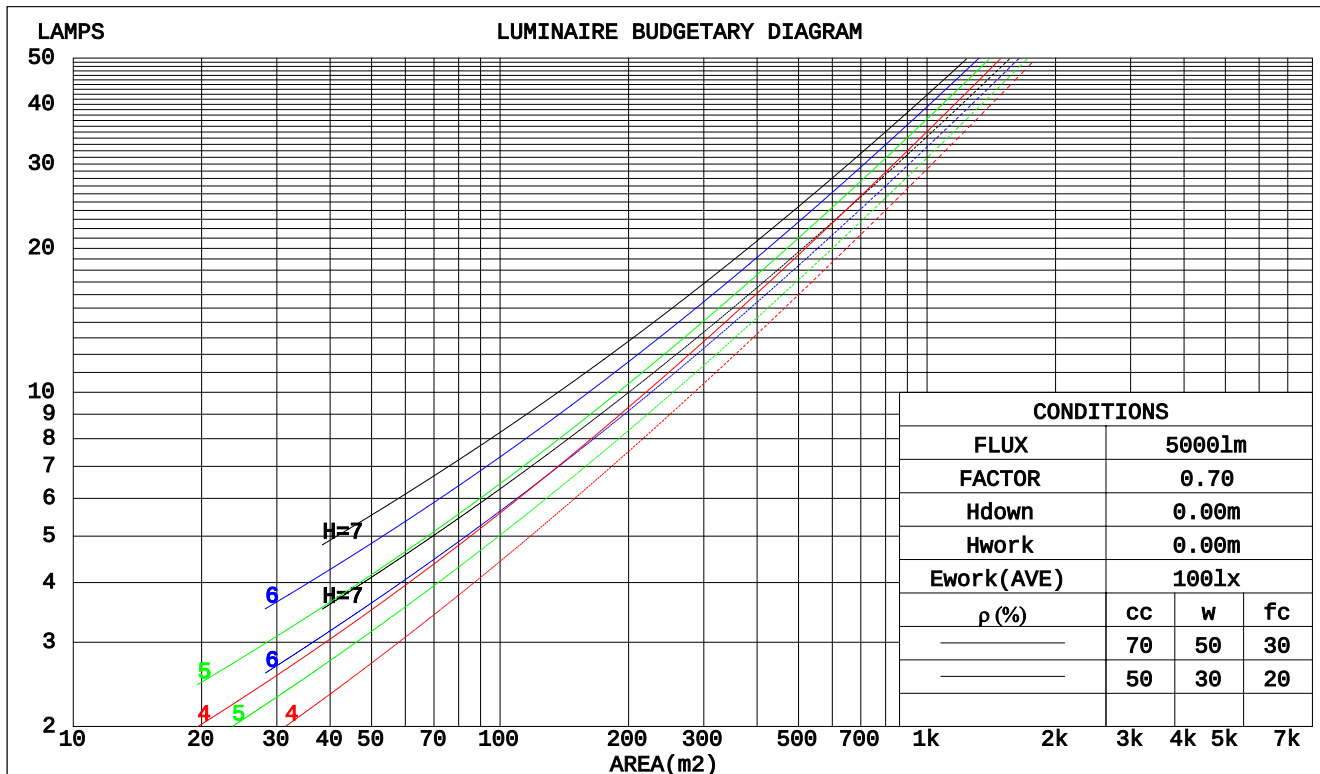
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-04-29

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	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	.99	.99	.99	.94	.94	.94	.91
1.0	.00	.95	.90	.96	.92	.88	.90	.87	.84	.85	.82	.79	.80	.78	.75	.73
2.0	.86	.78	.72	.83	.76	.71	.78	.72	.68	.73	.69	.65	.69	.65	.62	.59
3.0	.75	.66	.59	.73	.65	.58	.68	.61	.56	.64	.58	.54	.60	.56	.52	.49
4.0	.66	.57	.50	.64	.55	.49	.60	.53	.47	.57	.50	.45	.53	.48	.44	.41
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.44	.39	.48	.42	.38	.35
6.0	.53	.43	.37	.51	.42	.36	.48	.41	.35	.46	.39	.34	.43	.38	.33	.31
7.0	.47	.38	.32	.46	.38	.32	.44	.36	.31	.42	.35	.30	.39	.34	.29	.27
8.0	.43	.34	.29	.42	.34	.28	.40	.33	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.40	.31	.25	.39	.31	.25	.37	.30	.25	.35	.29	.24	.33	.28	.23	.21
10.0	.36	.28	.23	.36	.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: 2025-04-29

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm					
NAME:ASD-0LWS23-24D30CC-BK			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 Coeffcients(WEC)										
0.0																	
1.0	.348	.198	.063	.338	.193	.061	.320	.183	.059	.302	.174	.056	.287	.166	.054		
2.0	.314	.172	.053	.305	.168	.052	.288	.160	.050	.273	.153	.048	.259	.146	.046		
3.0	.285	.151	.045	.277	.148	.045	.262	.142	.043	.248	.136	.042	.235	.130	.040		
4.0	.259	.135	.040	.252	.132	.039	.239	.127	.038	.226	.121	.037	.214	.116	.035		
5.0	.238	.121	.035	.231	.119	.035	.219	.114	.034	.208	.110	.033	.197	.105	.032		
6.0	.219	.110	.031	.213	.108	.031	.202	.104	.030	.192	.100	.029	.182	.096	.028		
7.0	.203	.100	.028	.198	.098	.028	.187	.095	.027	.178	.091	.027	.169	.088	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.087	.025	.166	.084	.024	.158	.081	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.156	.078	.022	.148	.075	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.075	.021	.146	.073	.021	.140	.070	.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	.261	.261	.261	.223	.223	.223	.152	.152	.152	.088	.088	.088	.028	.028	.028	
1.0	.254	.227	.203	.218	.195	.174	.149	.134	.121	.086	.078	.070	.027	.025	.023	
2.0	.247	.204	.167	.212	.175	.145	.145	.121	.101	.084	.071	.059	.027	.023	.019	
3.0	.240	.187	.145	.205	.161	.125	.141	.112	.088	.081	.065	.052	.026	.021	.017	
4.0	.232	.174	.129	.199	.150	.112	.137	.105	.079	.079	.061	.047	.025	.020	.015	
5.0	.224	.164	.119	.193	.142	.103	.133	.099	.073	.077	.058	.043	.025	.019	.014	
6.0	.217	.156	.111	.187	.135	.097	.129	.094	.069	.075	.055	.041	.024	.018	.013	
7.0	.210	.149	.106	.181	.129	.092	.125	.090	.065	.073	.053	.039	.023	.017	.013	
8.0	.204	.143	.102	.175	.124	.089	.121	.087	.063	.071	.051	.037	.023	.017	.012	
9.0	.197	.138	.098	.170	.120	.086	.118	.084	.061	.069	.050	.036	.022	.016	.012	
10.0	.192	.134	.096	.165	.116	.084	.115	.082	.059	.067	.048	.035	.022	.016	.012	

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm											
NAME:ASD-0LWS23-24D30CC-BK					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		18.3	19.8	18.7	20.1	20.5	18.8	20.2	19.2	20.6	21.0
	3H	19.8	21.1	20.2	21.5	22.0	20.6	22.0	21.1	22.4	22.8
	4H	20.4	21.6	20.8	22.1	22.5	21.5	22.8	21.9	23.2	23.6
	6H	20.8	22.0	21.2	22.4	22.9	22.3	23.5	22.8	23.9	24.4
	8H	20.9	22.1	21.4	22.5	23.0	22.7	23.9	23.2	24.3	24.8
	12H	21.0	22.1	21.4	22.5	23.0	23.1	24.2	23.6	24.7	25.2
4H	2H	18.9	20.2	19.4	20.6	21.1	19.3	20.6	19.7	21.0	21.4
	3H	20.7	21.8	21.1	22.2	22.7	21.3	22.4	21.8	22.9	23.4
	4H	21.4	22.4	21.9	22.9	23.4	22.3	23.3	22.8	23.8	24.3
	6H	21.9	22.8	22.5	23.4	23.9	23.2	24.1	23.7	24.6	25.2
	8H	22.1	22.9	22.6	23.5	24.1	23.7	24.5	24.2	25.1	25.7
	12H	22.2	23.0	22.8	23.5	24.1	24.2	25.0	24.8	25.5	26.1
8H	4H	21.7	22.5	22.2	23.1	23.7	22.5	23.3	23.0	23.8	24.4
	6H	22.5	23.2	23.0	23.7	24.4	23.5	24.3	24.1	24.8	25.4
	8H	22.8	23.4	23.4	24.0	24.6	24.1	24.8	24.7	25.3	26.0
	12H	23.0	23.5	23.6	24.1	24.8	24.8	25.4	25.4	26.0	26.6
12H	4H	21.7	22.5	22.3	23.1	23.7	22.5	23.2	23.0	23.8	24.4
	6H	22.5	23.2	23.1	23.8	24.4	23.6	24.2	24.2	24.8	25.4
	8H	22.9	23.5	23.5	24.1	24.7	24.2	24.8	24.8	25.4	26.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 2604 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

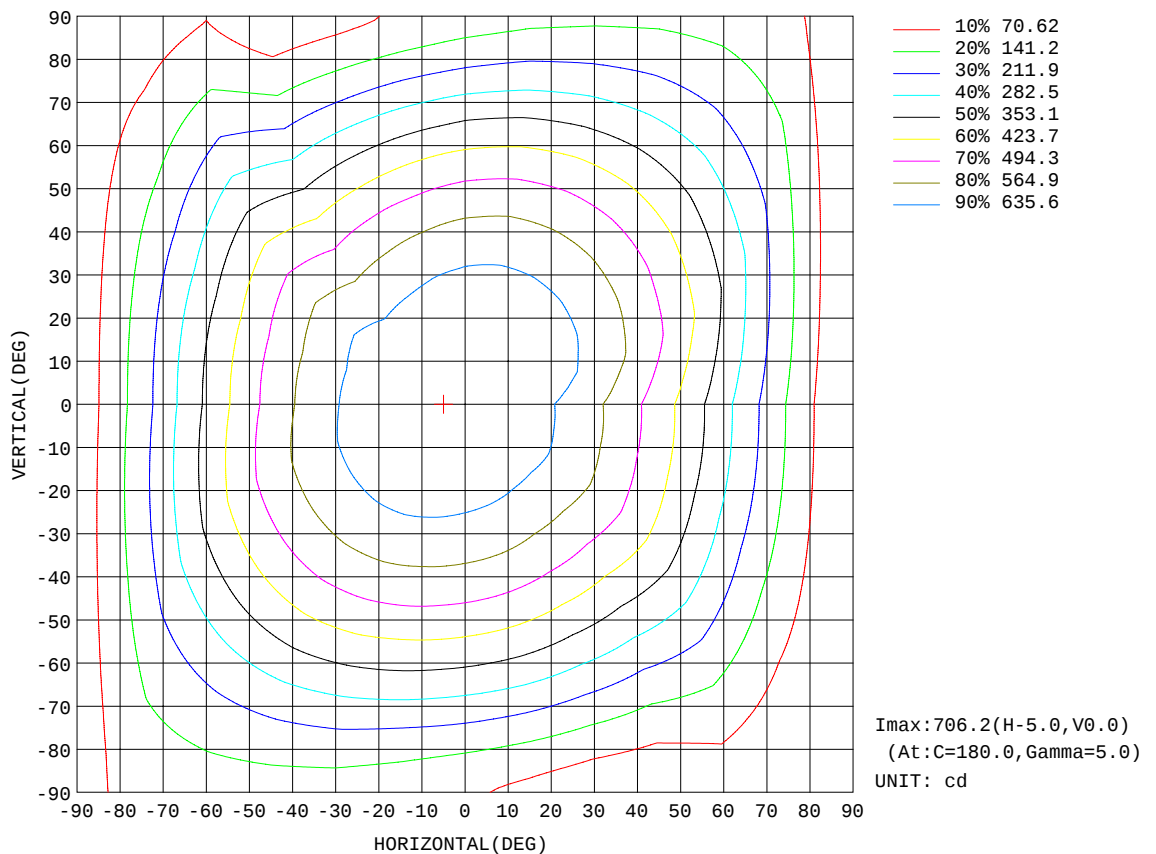
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	50	39	32	26
0.80	62	49	41	60	49	41	58	48	41	33
1.00	70	58	50	68	57	49	65	58	48	40
1.25	77	65	57	75	64	57	71	62	55	47
1.50	82	71	63	80	70	62	76	67	61	52
2.00	89	79	72	87	78	71	82	74	68	59
2.50	93	84	77	91	82	76	86	79	73	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	101	95	89	98	92	87	92	87	83	71
5.00	104	98	93	101	96	91	95	91	87	75
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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

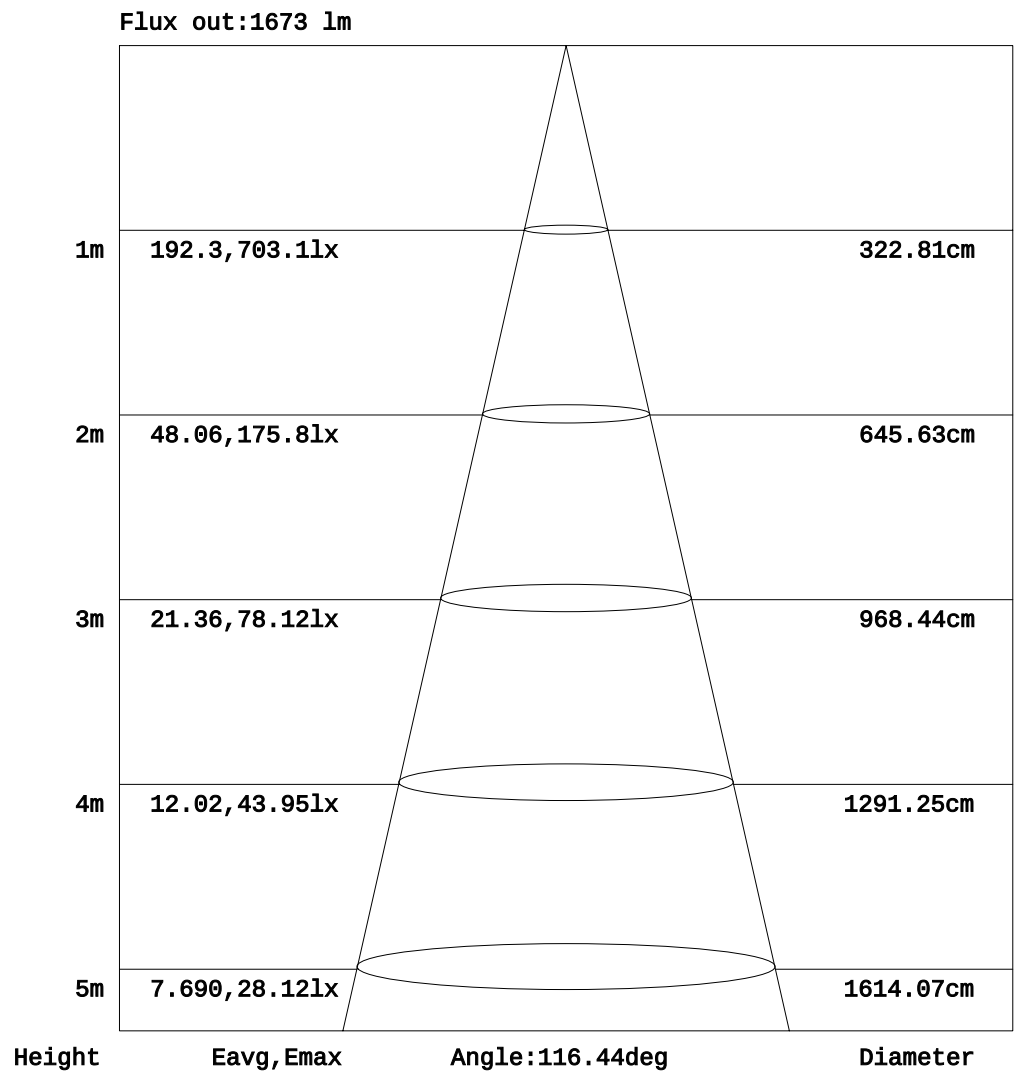


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-04-29

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:



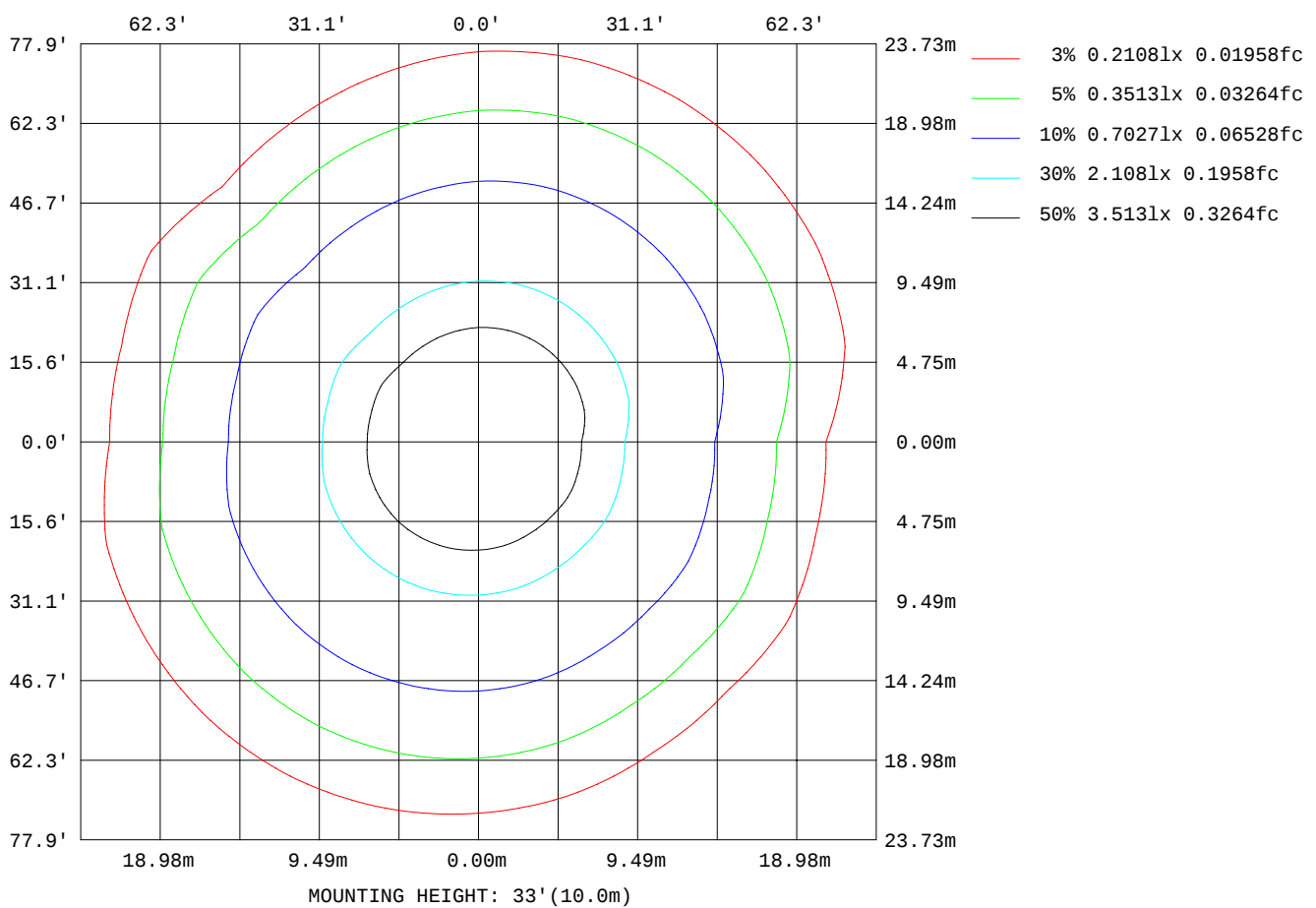
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	TYPE:LED	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

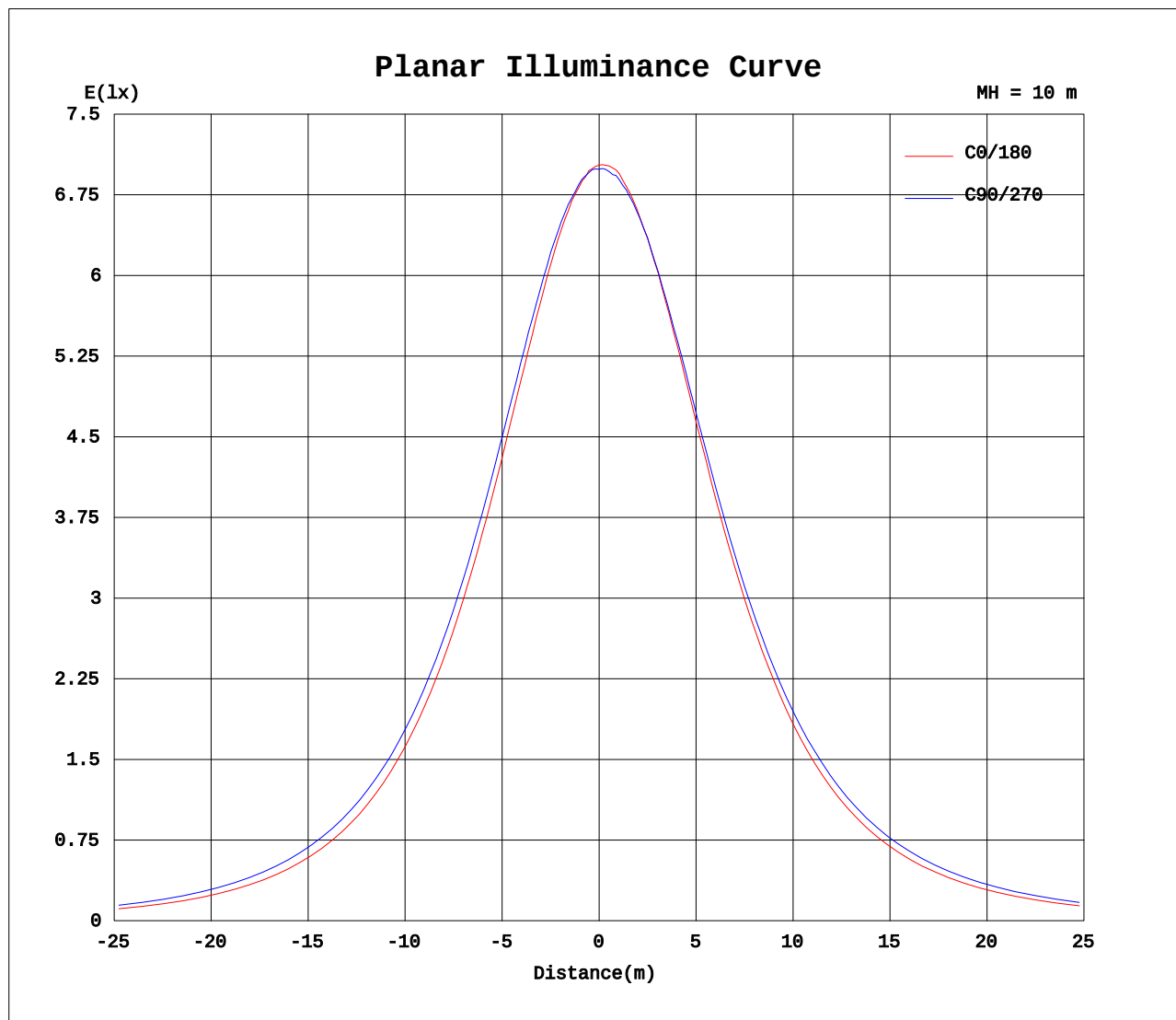
AvgL	cd/m2
L_0~180(65)av	6541
L_0~180(75)av	6078
L_0~180(85)av	5906
L_90~270(65)av	7933
L_90~270(75)av	8671
L_90~270(85)av	14234
L_45(65)av	7519
L_45(75)av	7856
L_45(85)av	11655

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm																			
NAME:ASD-OLWS23-24D30CC-BK										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	703	702	701	702	701	700	699	700	699	699	699	697	703	702	701	702	701	700	699
5	696	696	696	696	696	696	698	698	699	699	700	699	706	703	702	702	700	699	701
10	683	684	685	684	685	687	689	692	695	697	698	697	701	700	701	696	697	697	699
15	665	665	669	667	669	673	676	682	687	690	690	690	692	689	692	684	686	689	693
20	640	644	647	646	648	654	660	666	673	677	679	679	678	675	679	668	671	676	682
25	612	615	622	619	621	629	636	645	654	660	662	662	657	654	660	646	651	657	666
30	579	584	592	586	592	600	609	620	631	636	638	640	630	627	636	617	623	636	645
35	543	547	558	551	557	568	578	590	602	609	612	612	598	595	607	584	593	606	619
40	502	507	519	512	518	531	542	556	569	577	579	580	560	559	573	545	557	573	589
45	458	463	477	468	475	490	503	517	532	541	543	542	518	517	534	500	516	533	551
50	410	416	432	420	428	446	460	476	490	499	501	501	471	471	489	452	469	489	510
55	358	364	381	370	378	398	414	430	444	454	456	454	419	420	441	400	419	442	464
60	304	309	328	315	325	346	363	380	396	405	406	404	364	364	388	343	365	391	415
65	249	254	274	260	270	292	310	328	344	352	352	350	304	306	332	284	307	334	361
70	191	195	218	201	213	236	255	274	289	296	296	293	243	245	273	222	247	277	304
75	134	138	163	144	157	180	201	218	235	242	241	236	181	185	213	162	187	219	248
80	80.2	85.3	110	89.7	102	129	150	169	186	191	190	182	122	127	156	104	131	162	191
85	33.5	38.5	65.5	41.0	55.8	83.4	107	127	142	146	143	134	69.4	74.8	104	54.8	81.1	112	141
90	8.91	14.2	40.6	7.40	27.1	55.0	80.5	101	116	122	120	108	35.8	41.0	68.6	30.9	51.8	79.5	103
95	7.66	12.2	37.5	7.33	23.3	50.6	75.8	97.2	112	118	116	104	32.6	37.6	63.9	29.9	48.7	75.3	97.5
100	7.72	8.36	28.9	7.54	15.4	41.6	63.7	83.3	100	106	101	96.5	30.1	35.1	59.5	29.2	45.5	69.9	91.5
105	7.94	8.09	13.6	7.72	10.1	28.8	58.1	79.2	93.7	98.6	96.0	85.9	28.9	31.2	52.7	28.4	40.7	61.1	80.8
110	8.13	8.20	11.8	7.88	8.81	12.6	42.4	70.1	86.6	92.5	89.0	76.9	27.7	28.8	46.1	27.2	36.1	52.8	72.7
115	8.13	8.20	12.1	7.95	9.02	14.3	22.0	51.2	72.0	79.5	74.6	63.3	26.2	26.9	42.0	25.8	31.1	47.0	62.6
120	8.20	8.19	11.2	8.06	8.75	14.4	19.6	30.7	49.6	59.9	55.7	51.9	24.4	25.0	37.3	24.1	25.5	43.6	51.1
125	8.25	8.28	9.05	8.15	8.47	11.8	23.2	28.2	37.4	44.7	46.3	48.9	22.7	23.0	30.7	22.2	22.9	38.3	46.6
130	8.36	8.35	8.76	8.26	8.65	9.03	17.8	32.4	39.2	44.7	47.8	44.5	20.4	20.7	22.8	20.0	20.5	30.9	43.6
135	8.54	8.45	8.63	8.40	8.54	8.71	13.1	24.9	37.9	44.7	42.4	31.9	18.0	18.0	18.2	17.5	18.0	22.3	36.5
140	8.70	8.64	8.73	8.58	8.60	8.99	10.9	18.3	26.6	32.4	30.2	22.4	15.2	15.2	15.4	14.7	15.2	14.4	26.5
145	8.88	8.85	9.22	8.80	8.85	9.17	9.45	13.7	19.3	22.5	20.9	15.5	12.4	12.3	12.3	11.9	12.1	11.3	17.6
150	9.09	9.07	9.31	9.00	9.06	9.34	9.63	10.2	13.7	16.3	14.6	11.2	9.69	9.61	10.3	9.38	9.78	11.0	11.3
155	9.30	9.32	9.45	9.22	9.32	9.46	9.91	10.6	10.9	11.3	11.2	10.9	9.47	9.56	10.4	9.47	9.81	10.8	11.4
160	9.65	9.65	9.70	9.61	9.62	9.71	9.97	10.4	10.8	10.7	10.6	10.4	9.61	9.67	10.0	9.60	9.72	10.3	11.0
165	9.89	9.87	9.92	9.83	9.83	9.88	10.1	10.2	10.4	10.6	10.4	10.2	9.75	9.79	9.95	9.74	9.81	10.1	10.6
170	10.0	10.1	10.1	10.0	10.0	10.1	10.2	10.2	10.3	10.2	10.2	9.98	9.90	9.93	10.0	9.88	9.97	10.1	10.3
175	10.1	10.1	10.2	10.1	10.1	10.2	10.3	10.3	10.3	10.2	10.1	10.0	10.0	10.1	10.1	9.98	10.0	10.1	10.2
180	10.1	10.1	10.1	10.1	10.1	10.2	10.3	10.3	10.4	10.3	10.3	10.1	10.1	10.1	10.2	10.1	10.1	10.2	10.3

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:120.1V I:0.2265A P:26.84W PF:0.9864 Lamp Flux:2603.97x1 lm		
NAME:ASD-0LWS23-24D30CC-BK	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	700	699	699	699	697														
5	700	700	699	698	696														
10	700	699	699	694	691														
15	694	695	692	688	681														
20	686	685	682	676	666														
25	671	670	667	659	645														
30	652	651	646	637	621														
35	626	626	621	610	591														
40	596	596	590	578	557														
45	561	561	556	543	520														
50	521	523	516	503	478														
55	477	479	472	460	434														
60	429	432	426	413	385														
65	377	380	375	362	333														
70	321	325	320	308	279														
75	265	270	266	255	224														
80	211	217	214	201	171														
85	161	167	165	154	127														
90	122	126	126	116	91.2														
95	112	117	116	105	83.9														
100	102	110	110	97.2	72.6														
105	93.4	98.2	97.1	85.9	64.7														
110	86.6	91.6	90.4	78.5	51.4														
115	76.2	81.5	78.2	62.8	30.2														
120	59.8	65.4	59.2	41.0	24.0														
125	47.0	49.0	42.7	31.8	32.8														
130	44.2	44.0	40.5	39.3	34.7														
135	44.7	47.6	47.7	43.3	28.5														
140	38.2	44.1	44.4	36.5	19.4														
145	27.8	35.2	33.1	25.3	12.0														
150	18.3	23.3	21.7	16.1	9.88														
155	11.7	13.6	12.6	10.8	10.2														
160	11.2	11.3	11.2	10.8	10.2														
165	10.9	11.0	10.7	10.5	10.3														
170	10.5	10.6	10.5	10.3	10.1														
175	10.3	10.3	10.3	10.3	10.1														
180	10.3	10.4	10.3	10.3	10.1														

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: