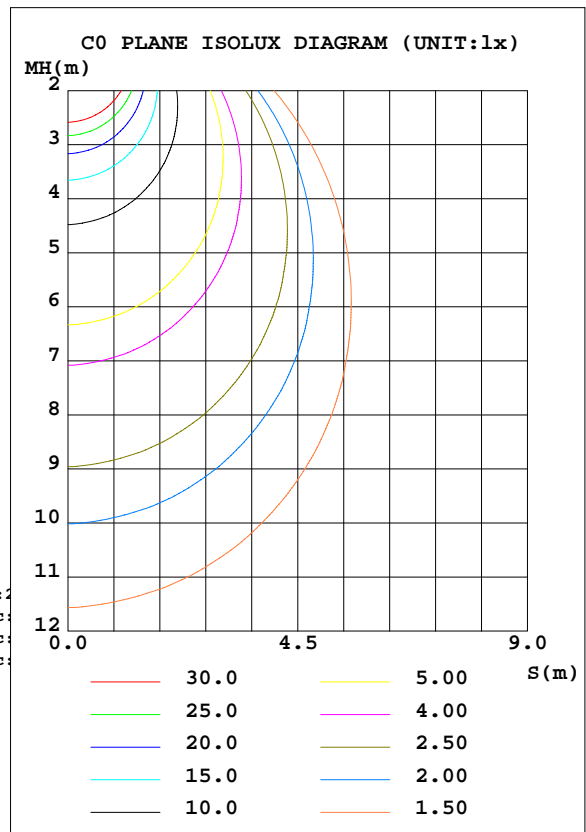
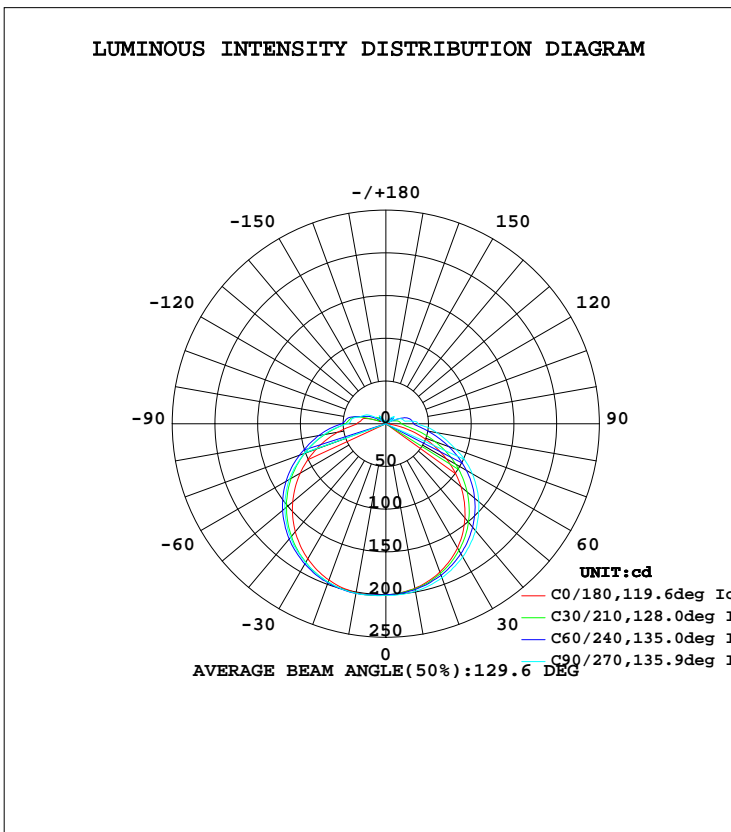


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.89 lm/W			
MODEL	ASD-OLWS-23-8D12CC-BZ/WH	I <sub>max</sub> (cd)	202.4	S/MH(C0/180)	1.35
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.40
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	804.62	η UP, DN(C0-180)	4.8,42.7
NOMINAL FLUX(lm)	804.623	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	6.0,46.5
LAMPS INSIDE	1	η up(%)	10.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	89.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	195.7	196.4	199.0	200.0	200.7	201.6	201.5	198.2	0- 10	19.09	19.09	2.37,2.37
20	184.7	187.9	191.8	194.3	194.6	198.3	197.5	191.4	10- 20	55.56	74.65	9.28,9.28
30	167.8	173.7	180.1	182.4	182.8	188.9	187.8	178.5	20- 30	86.33	161.0	20,20
40	143.9	155.1	163.4	166.0	164.9	174.4	173.5	160.8	30- 40	107.9	268.9	33.4,33.4
50	114.9	131.0	142.1	145.3	142.3	155.6	154.3	137.0	40- 50	117.5	386.4	48,48
60	81.46	102.4	116.6	120.4	115.8	132.4	130.7	108.8	50- 60	114.2	500.6	62.2,62.2
70	45.57	71.20	87.02	92.69	86.61	105.8	101.8	77.42	60- 70	98.20	598.7	74.4,74.4
80	12.22	42.39	60.84	63.86	57.11	76.75	73.89	46.36	70- 80	72.81	671.6	83.5,83.5
90	2.280	26.76	37.86	43.99	34.03	50.84	45.27	27.16	80- 90	46.53	718.1	89.2,89.2
100	2.299	23.73	21.81	37.74	28.52	43.18	38.59	23.32	90-100	34.01	752.1	93.5,93.5
110	2.388	12.09	17.80	11.45	12.71	21.81	28.11	15.07	100-110	23.35	775.4	96.4,96.4
120	2.453	7.861	3.005	15.79	11.15	7.106	17.56	5.452	110-120	11.60	787.0	97.8,97.8
130	2.526	7.054	12.98	6.313	9.548	11.19	2.888	7.904	120-130	7.017	794.1	98.7,98.7
140	2.646	3.565	8.921	3.665	2.761	7.435	12.26	4.493	130-140	5.148	799.2	99.3,99.3
150	2.711	2.796	2.881	2.846	3.667	3.124	6.428	2.896	140-150	2.889	802.1	99.7,99.7
160	2.819	2.873	2.923	2.900	2.892	2.989	3.008	2.881	150-160	1.405	803.5	99.9,99.9
170	2.919	2.981	2.996	2.969	2.962	3.004	3.050	2.950	160-170	0.8355	804.3	100,100
180	3.135	3.039	3.073	3.162	3.143	3.023	3.069	3.135	170-180	0.2872	804.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

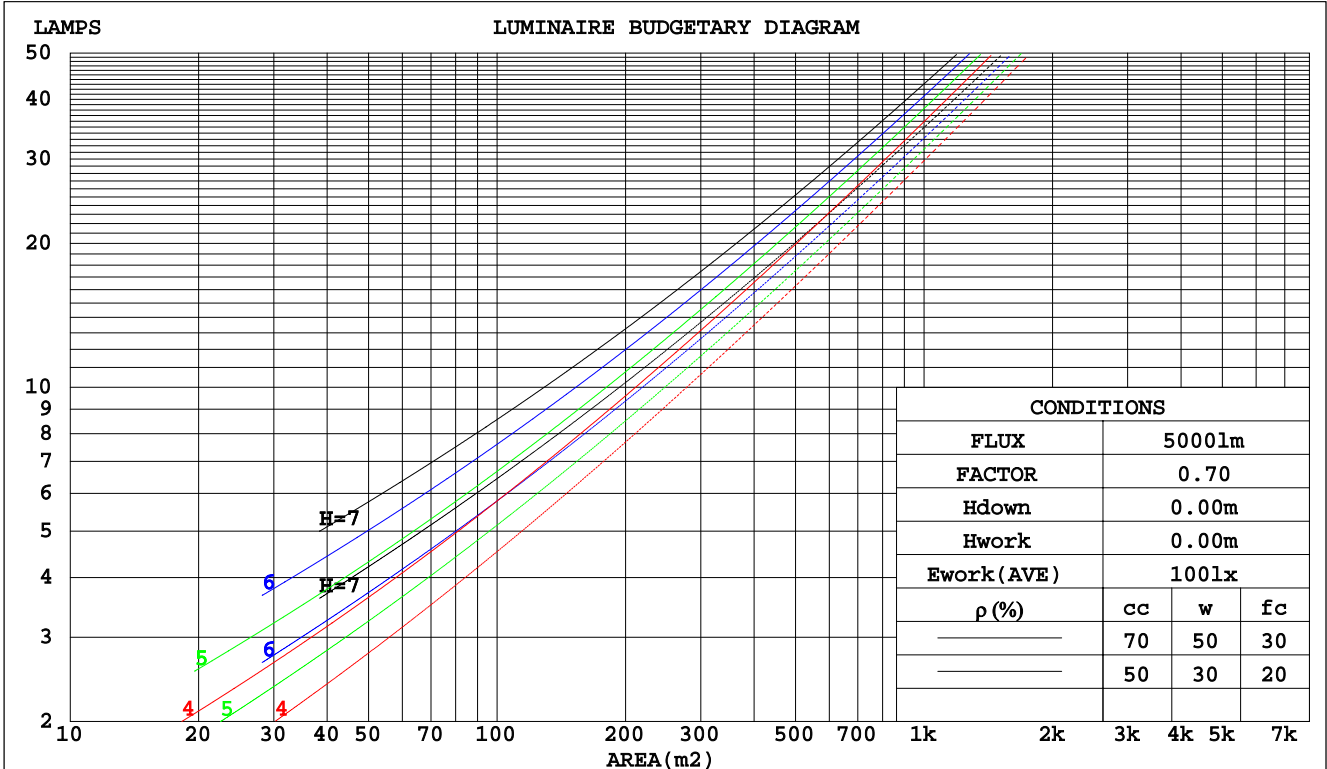
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.16	1.16	1.16	1.13	1.13	1.13	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1.0	.98	.93	.89	.95	.90	.86	.89	.85	.82	.83	.80	.77	.78	.75	.73	.70
2.0	.84	.77	.70	.82	.75	.69	.76	.70	.65	.71	.67	.62	.67	.63	.59	.57
3.0	.73	.65	.57	.71	.63	.56	.66	.60	.54	.62	.56	.52	.58	.53	.49	.47
4.0	.65	.55	.48	.62	.54	.47	.59	.51	.45	.55	.49	.43	.52	.46	.42	.39
5.0	.57	.48	.41	.56	.47	.40	.52	.45	.39	.49	.42	.37	.46	.40	.36	.33
6.0	.51	.42	.35	.50	.41	.35	.47	.39	.34	.44	.38	.32	.42	.36	.31	.29
7.0	.46	.37	.31	.45	.37	.30	.42	.35	.29	.40	.33	.29	.38	.32	.28	.25
8.0	.42	.33	.27	.41	.33	.27	.39	.31	.26	.37	.30	.25	.35	.29	.25	.22
9.0	.39	.30	.24	.38	.30	.24	.36	.28	.23	.34	.27	.23	.32	.26	.22	.20
10.0	.35	.27	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.366	.208	.066	.355	.203	.064	.335	.192	.061	.317	.183	.059	.301	.174	.056	
2.0	.324	.178	.054	.315	.173	.053	.297	.165	.051	.281	.157	.049	.266	.150	.047	
3.0	.291	.155	.046	.283	.151	.046	.267	.145	.044	.252	.138	.042	.239	.132	.041	
4.0	.264	.137	.040	.256	.134	.040	.242	.128	.038	.229	.123	.037	.216	.118	.036	
5.0	.241	.123	.036	.234	.120	.035	.221	.115	.034	.209	.110	.033	.198	.106	.032	
6.0	.222	.111	.032	.215	.109	.031	.204	.104	.030	.193	.100	.029	.182	.096	.029	
7.0	.205	.101	.029	.199	.099	.028	.189	.095	.027	.179	.092	.027	.169	.088	.026	
8.0	.190	.093	.026	.185	.091	.026	.175	.088	.025	.166	.084	.024	.158	.081	.024	
9.0	.178	.086	.024	.173	.084	.024	.164	.081	.023	.156	.078	.022	.148	.075	.022	
10.0	.166	.080	.022	.162	.078	.022	.154	.075	.021	.146	.073	.021	.139	.070	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.272	.272	.272	.233	.233	.233	.159	.159	.159	.091	.091	.091	.029	.029	.029	
1.0	.267	.238	.213	.228	.204	.183	.156	.141	.127	.090	.081	.074	.029	.026	.024	
2.0	.260	.215	.177	.222	.185	.153	.152	.128	.107	.088	.074	.063	.028	.024	.020	
3.0	.252	.198	.155	.216	.171	.134	.148	.119	.094	.086	.069	.056	.028	.023	.018	
4.0	.244	.185	.140	.210	.160	.122	.144	.112	.086	.083	.065	.051	.027	.021	.017	
5.0	.237	.175	.130	.203	.152	.113	.140	.106	.080	.081	.062	.047	.026	.020	.016	
6.0	.229	.167	.123	.197	.145	.107	.136	.101	.075	.079	.060	.045	.025	.019	.015	
7.0	.222	.161	.117	.191	.139	.102	.132	.098	.072	.077	.057	.043	.025	.019	.014	
8.0	.216	.155	.113	.186	.134	.099	.128	.094	.070	.075	.056	.042	.024	.018	.014	
9.0	.209	.150	.110	.180	.130	.096	.125	.092	.068	.073	.054	.041	.024	.018	.013	
10.0	.204	.146	.107	.176	.127	.094	.122	.089	.067	.071	.053	.040	.023	.017	.013	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm										
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K					TYPE:LED			WEIGHT:		
SPEC.:					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	13.6	15.1	14.0	15.5	15.9	15.0	16.4	15.4	16.8	17.3
3H	14.9	16.2	15.3	16.7	17.1	17.1	18.4	17.5	18.8	19.3
4H	15.3	16.6	15.8	17.0	17.5	18.1	19.4	18.6	19.8	20.3
6H	15.5	16.7	16.0	17.1	17.7	19.2	20.4	19.7	20.9	21.4
8H	15.5	16.6	16.0	17.1	17.6	19.8	21.0	20.3	21.4	22.0
12H	15.4	16.5	15.9	17.0	17.6	20.5	21.6	21.0	22.1	22.6
4H 2H	14.5	15.7	14.9	16.2	16.7	15.5	16.8	16.0	17.2	17.7
3H	16.0	17.1	16.5	17.6	18.1	17.8	18.9	18.3	19.4	19.9
4H	16.5	17.6	17.1	18.1	18.6	19.0	20.0	19.5	20.5	21.1
6H	16.8	17.8	17.4	18.3	18.9	20.3	21.2	20.9	21.8	22.4
8H	16.9	17.7	17.4	18.3	18.9	21.0	21.9	21.6	22.4	23.0
12H	16.9	17.6	17.4	18.2	18.9	21.8	22.6	22.4	23.2	23.8
8H 4H	17.2	18.0	17.7	18.6	19.2	19.2	20.1	19.8	20.7	21.3
6H	17.7	18.4	18.3	19.0	19.7	20.8	21.5	21.4	22.1	22.7
8H	17.9	18.5	18.5	19.1	19.8	21.7	22.3	22.3	22.9	23.6
12H	18.0	18.5	18.6	19.1	19.9	22.7	23.2	23.3	23.9	24.6
12H 4H	17.3	18.1	17.9	18.7	19.3	19.2	20.0	19.8	20.6	21.2
6H	18.0	18.7	18.7	19.3	20.0	20.9	21.5	21.5	22.1	22.8
8H	18.3	18.9	19.0	19.5	20.2	21.8	22.4	22.4	23.0	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 804.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.8)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

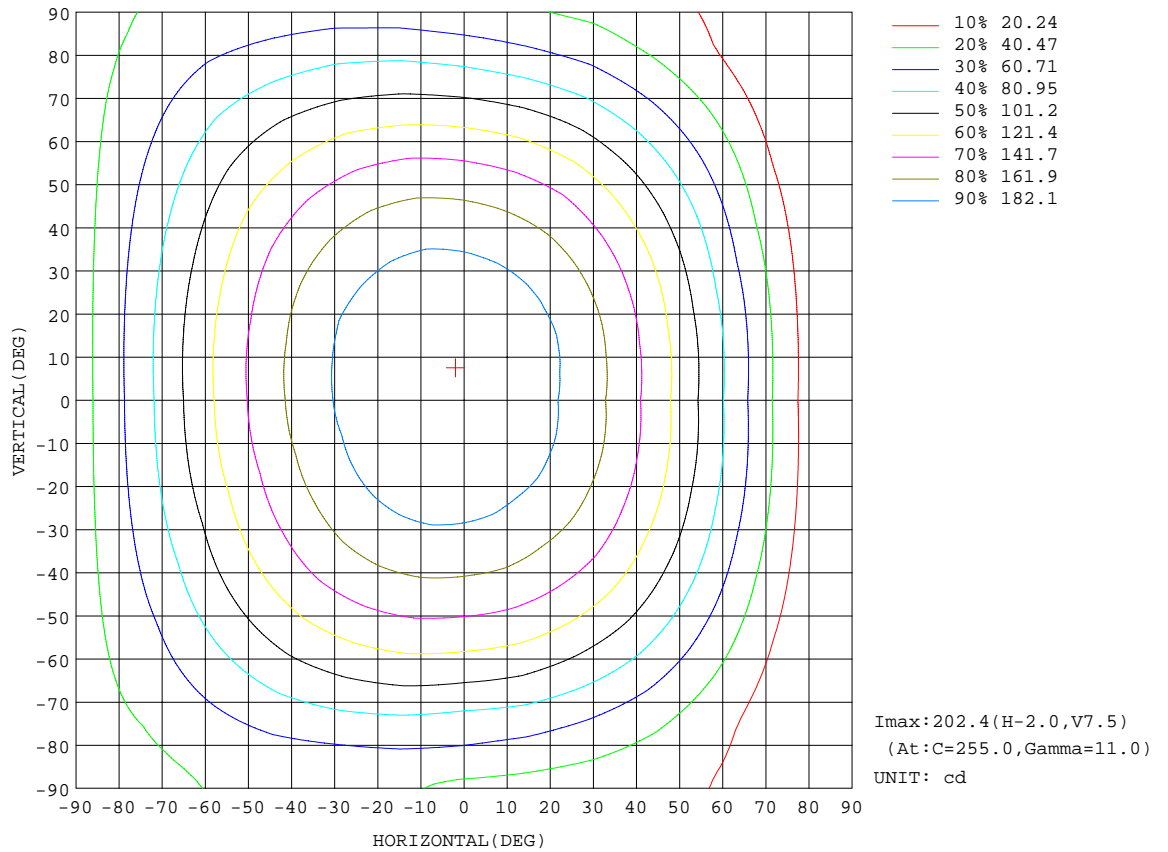
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	51	38	31	50	38	31	48	37	31	24
0.80	60	47	40	59	47	39	56	46	39	31
1.00	68	56	48	67	55	47	64	56	46	38
1.25	75	63	55	73	62	54	70	60	53	44
1.50	80	69	60	78	67	60	74	65	58	49
2.00	87	77	69	85	75	68	80	72	66	56
2.50	92	82	75	89	80	73	84	77	71	60
3.00	96	87	80	93	85	78	87	81	75	64
4.00	100	93	87	97	90	85	91	85	81	69
5.00	103	97	91	99	94	89	93	89	85	72
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:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	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: 2022-05-05

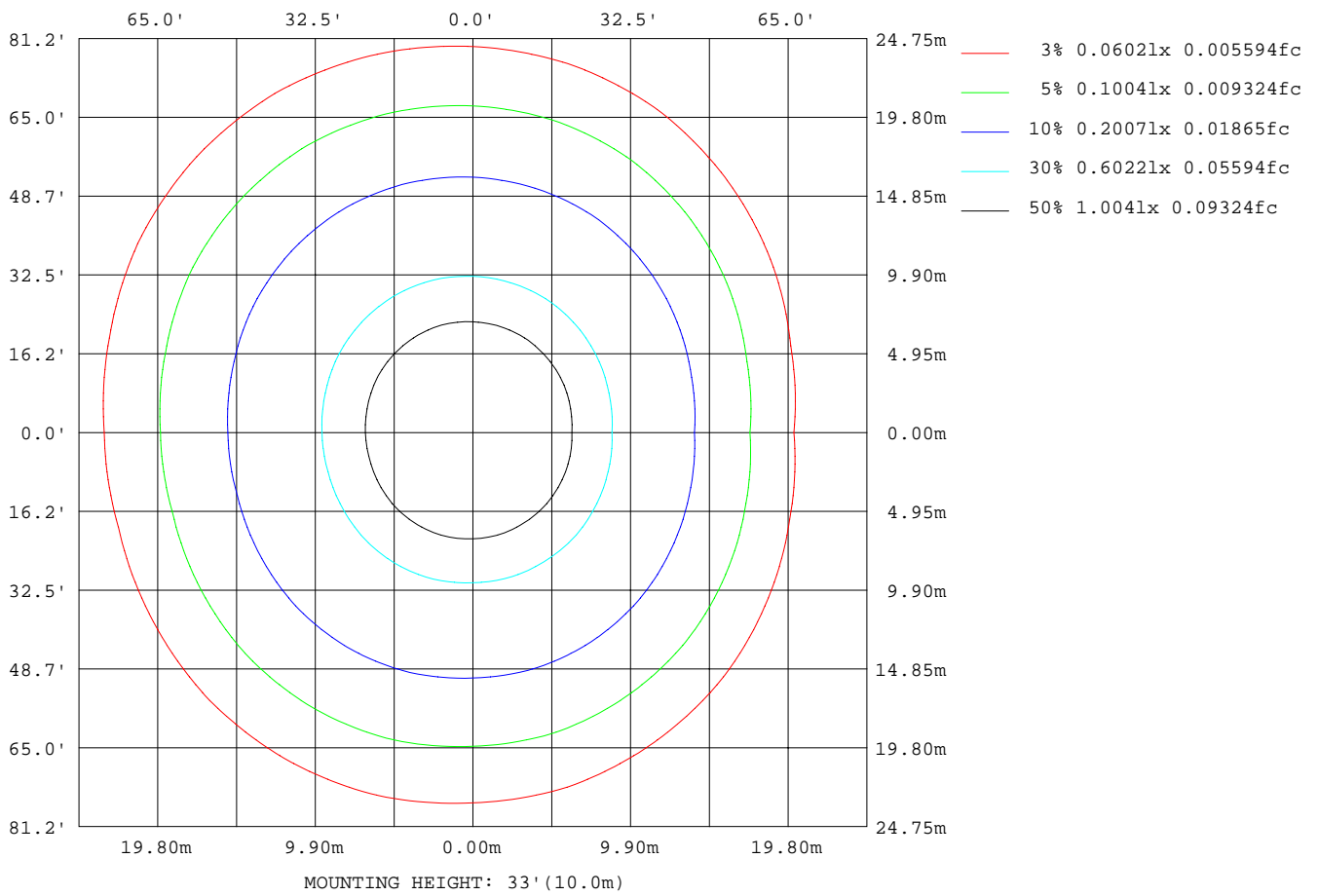
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:





ISOLUX DIAGRAM

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	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:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

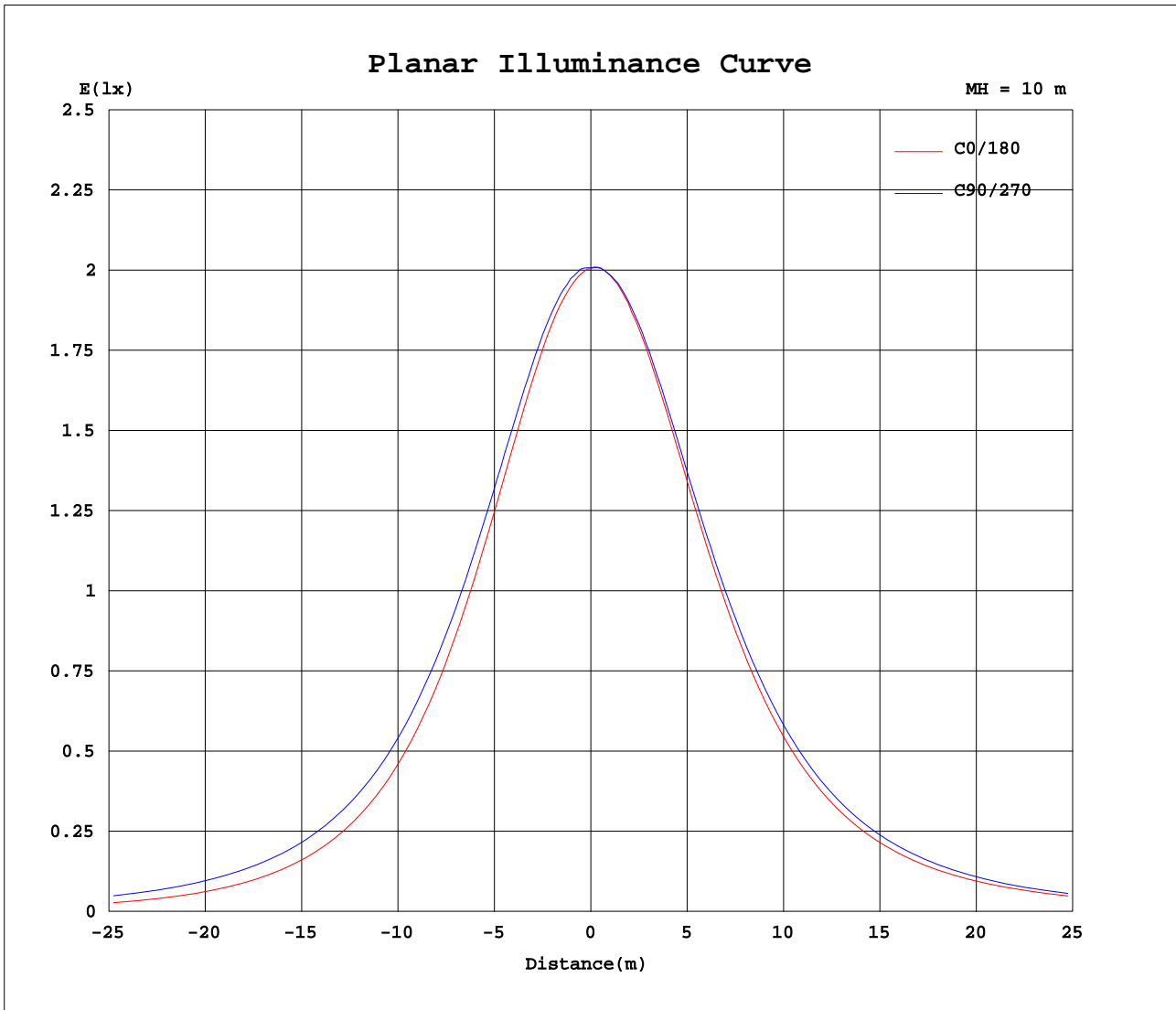
AvgL	cd/m2
L_0~180(65)av	1951
L_0~180(75)av	1933
L_0~180(85)av	2607
L_90~270(65)av	2587
L_90~270(75)av	3101
L_90~270(85)av	6249
L_45(65)av	2405
L_45(75)av	2771
L_45(85)av	5160

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_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: 2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	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	200	200	201	200	200	201	201	201	201	201	201	200	200	200	201	200	200	201	201
5	199	198	199	199	199	201	201	201	201	201	201	201	201	201	201	201	201	202	201
10	196	195	196	196	197	199	199	200	200	200	200	200	201	201	201	202	202	202	201
15	191	191	192	193	194	195	196	198	198	198	198	197	199	198	200	201	200	201	200
20	185	185	187	188	189	191	192	193	194	194	194	194	195	195	197	198	198	199	198
25	177	178	180	182	183	185	186	188	189	189	189	188	190	191	193	194	195	195	193
30	168	169	171	174	176	178	180	182	182	182	182	181	183	185	187	189	190	190	188
35	157	159	162	165	167	171	172	174	175	175	174	173	175	177	180	182	183	184	181
40	144	147	151	155	158	162	163	166	166	166	164	163	165	168	172	174	176	176	174
45	130	133	138	144	147	151	153	156	157	156	154	152	154	158	162	166	167	167	165
50	115	119	124	131	136	140	142	145	146	145	142	141	142	146	152	156	158	157	154
55	98.6	103	110	117	123	128	130	133	134	133	130	128	129	134	140	144	147	146	143
60	81.5	86.5	94.1	102	109	114	117	121	121	120	117	114	116	121	128	132	135	134	131
65	63.6	69.4	77.9	87.0	93.9	100	103	107	108	107	103	99.8	101	107	115	120	122	120	116
70	45.6	52.0	61.4	71.2	78.5	84.8	87.0	91.9	93.6	92.7	89.0	85.3	86.6	93.1	101	106	107	106	102
75	28.2	35.0	45.5	56.0	63.5	70.1	72.9	77.0	78.6	78.3	74.5	70.7	71.8	78.5	87.0	91.2	93.3	91.9	87.6
80	12.2	19.5	31.3	42.4	50.1	56.6	60.8	63.9	63.9	63.9	60.5	56.5	57.1	64.2	72.5	76.7	79.7	78.7	73.9
85	2.31	9.88	22.2	32.6	39.0	43.7	49.2	50.2	50.8	50.7	47.4	43.1	43.1	50.5	58.3	62.4	66.0	65.5	59.8
90	2.28	8.51	18.5	26.8	32.8	36.7	37.9	42.1	44.4	44.0	40.7	35.6	34.0	40.8	47.5	50.8	52.2	49.4	45.3
95	2.28	7.59	17.1	25.3	31.3	35.1	33.5	39.4	41.7	41.0	37.3	31.9	30.7	37.3	43.9	47.3	47.4	44.5	41.2
100	2.30	6.74	15.8	23.7	29.6	30.7	21.8	30.4	36.0	37.7	31.8	29.4	28.5	32.5	40.6	43.2	43.1	39.3	38.6
105	2.36	5.79	13.3	19.8	26.3	25.1	20.2	23.0	26.5	23.4	20.0	22.9	24.5	24.6	30.6	32.3	32.6	26.6	31.7
110	2.39	4.30	10.1	12.1	19.4	20.5	17.8	17.5	15.1	11.5	10.4	10.3	12.7	13.0	12.5	21.8	25.5	24.4	28.1
115	2.44	3.16	8.94	6.97	8.60	12.2	11.3	9.58	8.15	12.3	14.1	9.19	6.65	10.2	9.80	11.6	19.4	21.6	24.9
120	2.45	2.61	7.92	7.86	3.77	2.69	3.00	2.84	9.01	15.8	14.1	13.1	11.2	13.1	11.8	7.11	11.4	14.7	17.6
125	2.50	2.55	6.49	9.11	8.77	6.70	6.31	7.85	13.9	12.6	11.3	11.6	10.8	11.0	13.2	7.46	4.41	6.18	7.78
130	2.53	2.57	4.72	7.05	10.5	13.0	13.0	12.4	11.5	6.31	8.81	9.94	9.55	9.29	10.7	11.2	4.12	2.98	2.89
135	2.57	2.60	3.25	5.36	8.24	11.0	11.1	10.4	8.55	5.21	2.74	6.87	8.09	7.03	4.54	10.6	9.40	6.89	6.10
140	2.65	2.64	2.69	3.56	6.16	8.51	8.92	8.20	5.86	3.66	2.73	2.60	2.76	2.81	3.73	7.44	9.88	11.7	12.3
145	2.70	2.70	2.70	2.97	2.88	6.29	5.80	4.72	2.89	2.81	4.00	4.57	2.79	3.97	3.71	4.21	7.38	8.91	9.56
150	2.71	2.75	2.80	2.80	3.13	2.87	2.88	2.88	2.90	2.85	2.81	3.36	3.67	3.39	2.94	3.12	4.14	5.52	6.43
155	2.80	2.79	2.78	2.83	2.84	2.89	2.91	2.93	2.93	2.86	2.82	2.77	2.87	2.88	2.95	3.03	3.05	3.36	3.62
160	2.82	2.85	2.82	2.87	2.86	2.94	2.92	2.95	2.94	2.90	2.83	2.82	2.89	2.89	2.96	2.99	3.01	3.02	3.01
165	2.88	2.94	2.91	2.93	2.91	2.98	2.95	3.08	2.95	2.93	2.87	2.87	2.93	2.90	2.98	3.02	3.10	3.02	3.02
170	2.92	2.94	2.94	2.98	2.96	3.02	3.00	3.02	2.97	2.97	2.91	2.92	2.96	2.95	2.99	3.00	3.02	3.10	3.05
175	2.97	3.05	3.01	3.17	3.14	3.06	3.03	3.04	3.00	3.00	2.94	2.96	3.01	2.97	3.01	3.00	3.03	3.05	3.06
180	3.13	3.13	3.14	3.04	3.04	3.08	3.07	3.07	3.19	3.16	3.12	3.12	3.14	3.12	3.14	3.02	3.03	3.07	3.07

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1063A P:12.03W PF:0.9428 Lamp Flux:804.623x1 lm		
NAME: ASD-OLWS-23-8D12CC-BZ/WH 3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	201	201	201	201	200														
5	201	201	200	199	199														
10	201	200	198	197	196														
15	199	197	195	194	192														
20	195	194	191	189	186														
25	191	189	186	183	179														
30	185	183	179	175	171														
35	179	175	170	166	160														
40	171	166	161	155	148														
45	161	156	149	142	135														
50	150	145	137	128	120														
55	138	133	123	114	104														
60	126	119	109	98.2	87.5														
65	112	104	93.3	81.9	70.0														
70	96.6	88.8	77.4	65.0	52.3														
75	81.3	73.5	61.4	48.4	34.8														
80	67.0	58.9	46.4	32.7	18.4														
85	53.5	46.2	34.3	19.8	5.55														
90	42.3	36.4	27.2	16.0	5.04														
95	38.8	33.1	24.7	14.6	4.57														
100	37.2	31.6	23.3	13.4	4.10														
105	35.1	29.6	20.5	11.5	3.54														
110	31.5	26.0	15.1	8.51	2.99														
115	26.1	19.0	8.78	6.73	2.70														
120	15.7	9.38	5.45	6.16	2.70														
125	5.41	3.58	6.54	5.30	2.72														
130	2.87	5.46	7.90	4.11	2.74														
135	8.04	10.3	6.50	2.90	2.75														
140	11.5	8.53	4.49	2.88	2.75														
145	8.47	5.76	3.30	2.92	2.85														
150	5.42	3.76	2.90	2.89	2.88														
155	3.11	2.92	2.87	2.91	2.84														
160	2.95	3.06	2.88	2.88	2.84														
165	2.97	2.98	3.00	2.92	2.87														
170	3.00	3.01	2.95	2.95	2.93														
175	3.02	3.03	2.97	2.98	2.95														
180	3.06	3.19	3.13	3.13	3.12														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-05-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: