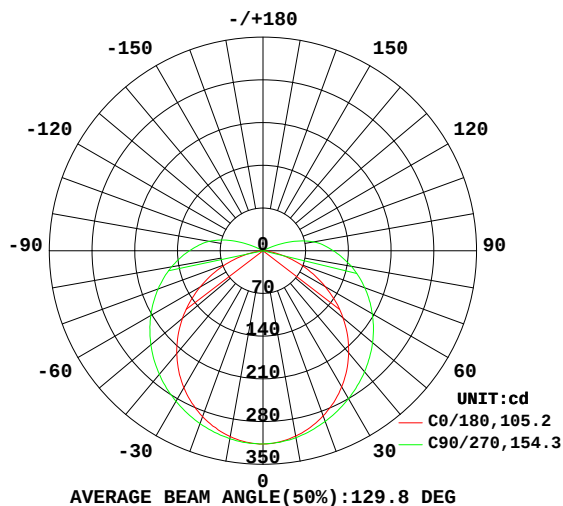


LUMINAIRE PHOTOMETRIC TEST REPORT

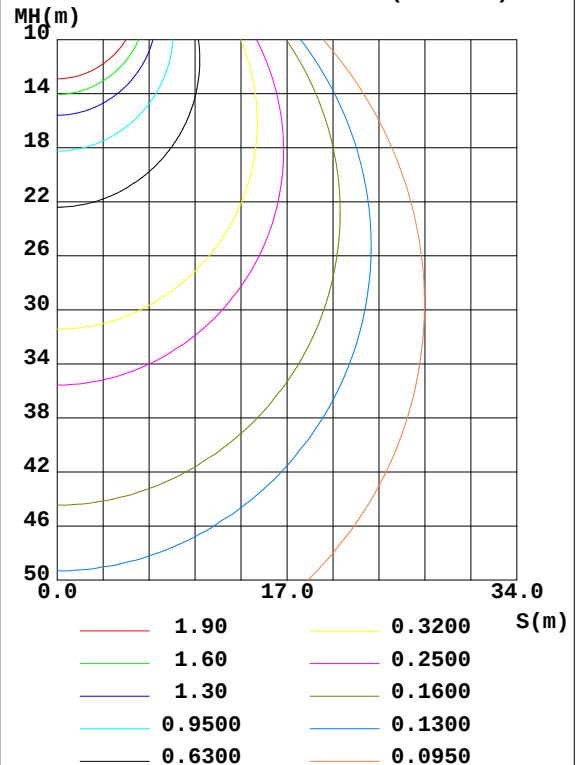
Test:U:120.01V I:0.2201A P:16.00W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.36 lm/W			
MODEL	PRE-2402T61369E-EE	Imax(cd)	316.8	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1187.8	η UP, DN(C0-180)	4.2, 46.3
NOMINAL FLUX(lm)	1187.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.9, 45.6
LAMPS INSIDE	1	η up(%)	8.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	91.9	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Hill
Test Date: 2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 43%
Test Distance: 2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	309.3	311.0	313.0	310.0	308.4	309.1	311.0	309.2	0- 10	29.90	29.90	2.52, 2.52
20	289.4	294.9	301.5	293.1	288.0	291.3	297.8	292.2	10- 20	85.48	115.4	9.71, 9.71
30	259.4	271.2	284.9	268.5	257.8	266.4	279.8	267.3	20- 30	130.1	245.5	20.7, 20.7
40	219.9	242.1	264.1	238.0	218.5	236.5	259.0	237.1	30- 40	159.6	405.1	34.1, 34.1
50	172.3	209.0	239.9	204.2	171.4	203.6	234.3	203.4	40- 50	171.6	576.7	48.6, 48.6
60	119.1	173.3	212.4	167.8	117.8	168.8	207.0	167.5	50- 60	166.3	743.0	62.6, 62.6
70	65.10	137.9	182.7	132.4	65.04	133.2	177.6	131.1	60- 70	146.1	889.1	74.9, 74.9
80	18.29	104.4	152.1	98.88	19.04	100.5	147.0	97.74	70- 80	116.7	1006	84.7, 84.7
90	0.0835	74.14	120.6	69.21	0.0461	71.08	115.3	67.94	80- 90	85.37	1091	91.9, 91.9
100	0.1201	46.10	89.47	41.75	0.0556	43.27	84.44	40.65	90-100	58.97	1150	96.8, 96.8
110	0.2108	11.84	43.45	8.232	0.1257	8.539	37.90	8.688	100-110	30.30	1180	99.4, 99.4
120	0.2347	0.9128	3.028	0.4381	0.1641	0.3885	1.785	0.6081	110-120	6.029	1187	99.9, 99.9
130	0.2910	0.3587	0.3584	0.2861	0.1493	0.1865	0.2202	0.2333	120-130	0.4414	1187	99.9, 99.9
140	0.4417	0.4462	0.4263	0.4262	0.1828	0.1993	0.2163	0.2182	130-140	0.2171	1187	99.9, 99.9
150	0.6146	0.6097	0.5867	0.5986	0.2239	0.2312	0.2332	0.2436	140-150	0.2300	1187	100, 100
160	0.7288	0.7173	0.6874	0.7128	0.2958	0.2975	0.2897	0.2983	150-160	0.2134	1188	100, 100
170	0.6739	0.6601	0.6326	0.6595	0.3865	0.3721	0.3775	0.3667	160-170	0.1455	1188	100, 100
180	0.5186	0.5108	0.5056	0.5112	0.5190	0.5108	0.5056	0.5108	170-180	0.0493	1188	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 490.51 lm

%lum = 41.3%

%lamp = 41.3%

Conical surface Flux(120deg): 742.99 lm

%lum = 62.6%

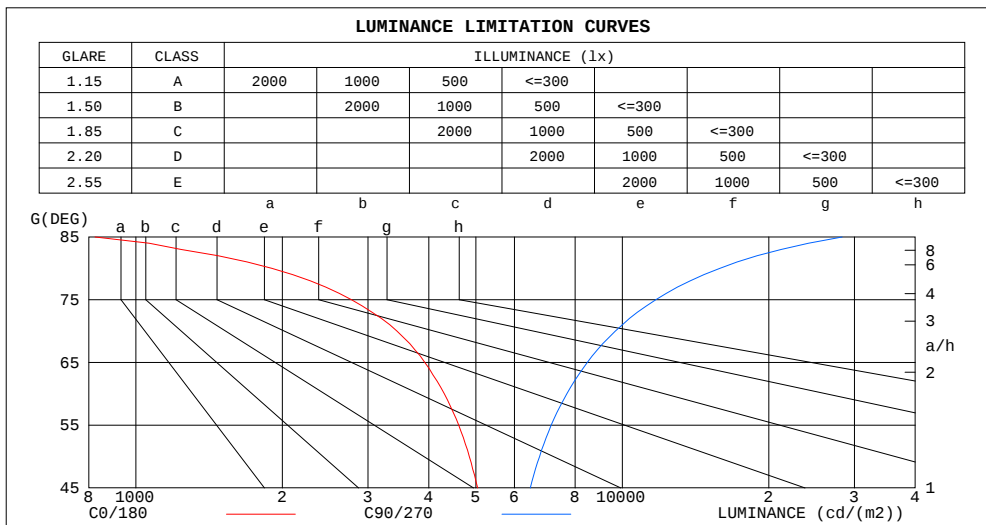
%lamp = 62.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Hill
 Test Date: 2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



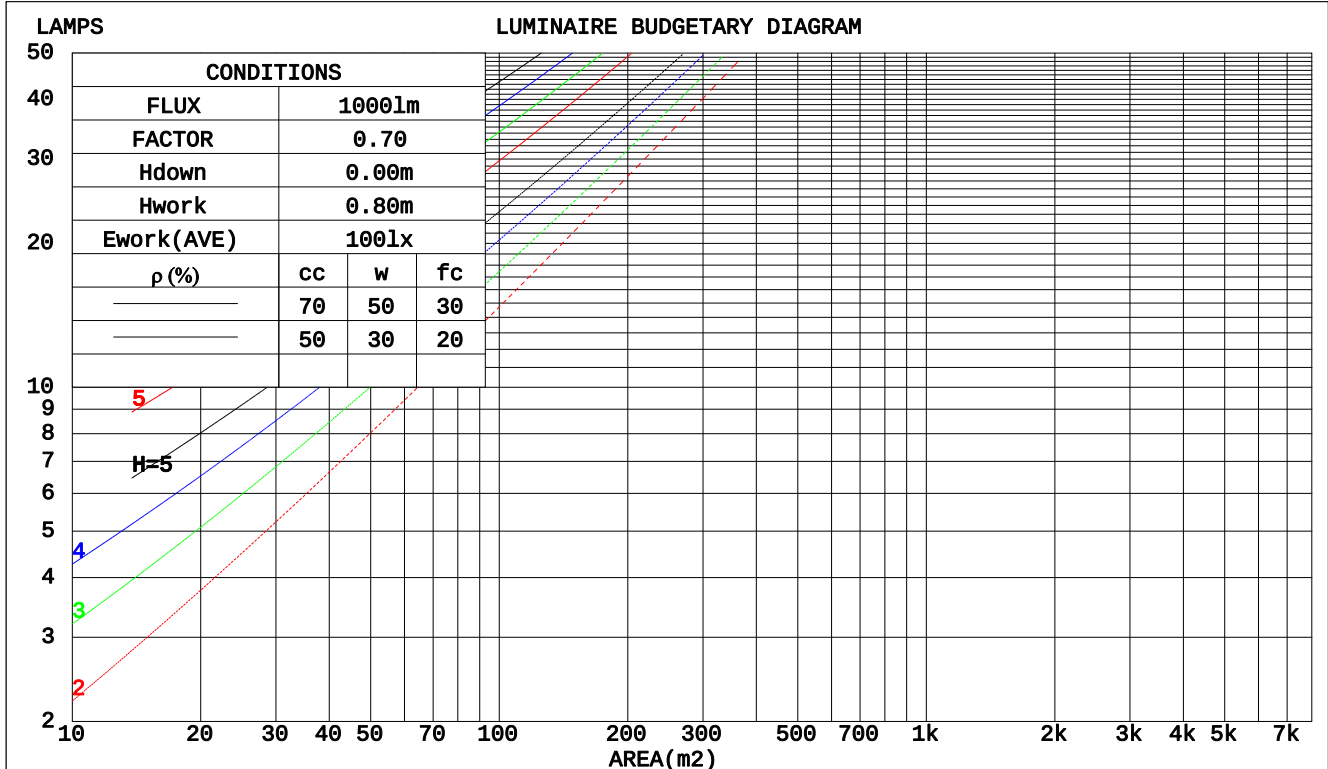
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Hill
Test Date: 2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 43%
Test Distance: 2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	.98	.93	.88	.95	.90	.86	.89	.85	.82	.84	.81	.78	.79	.76	.74	.71
2.0	.84	.76	.70	.81	.74	.68	.76	.70	.65	.72	.67	.63	.68	.64	.60	.57
3.0	.73	.64	.57	.71	.62	.56	.67	.60	.54	.63	.57	.52	.59	.54	.50	.47
4.0	.64	.55	.48	.62	.54	.47	.59	.51	.45	.55	.49	.44	.52	.47	.42	.40
5.0	.57	.48	.40	.56	.47	.40	.52	.45	.39	.50	.43	.37	.47	.41	.36	.34
6.0	.51	.42	.35	.50	.41	.35	.47	.39	.34	.45	.38	.33	.42	.36	.32	.29
7.0	.46	.37	.31	.45	.36	.30	.43	.35	.30	.41	.34	.29	.39	.33	.28	.26
8.0	.42	.33	.27	.41	.33	.27	.39	.32	.26	.37	.31	.26	.35	.29	.25	.23
9.0	.39	.30	.24	.38	.30	.24	.36	.29	.24	.34	.28	.23	.33	.27	.22	.21
10.0	.36	.27	.22	.35	.27	.22	.33	.26	.21	.32	.25	.21	.30	.25	.20	.19



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

WEC AND CCEC

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	.383	.218	.069	.373	.213	.068	.355	.203	.065	.338	.195	.063	.322	.187	.060		
2.0	.334	.183	.056	.325	.179	.055	.309	.172	.053	.293	.165	.052	.280	.158	.050		
3.0	.297	.158	.047	.290	.155	.047	.275	.149	.045	.261	.143	.044	.249	.138	.043		
4.0	.268	.139	.041	.261	.137	.040	.248	.132	.039	.236	.127	.038	.225	.122	.037		
5.0	.244	.124	.036	.238	.122	.036	.226	.118	.035	.215	.113	.034	.205	.109	.033		
6.0	.224	.112	.032	.218	.110	.032	.208	.106	.031	.198	.103	.030	.188	.099	.029		
7.0	.207	.102	.029	.202	.100	.029	.192	.097	.028	.183	.094	.027	.174	.091	.027		
8.0	.192	.094	.026	.187	.092	.026	.178	.089	.025	.170	.086	.025	.162	.083	.024		
9.0	.179	.086	.024	.175	.085	.024	.167	.082	.023	.159	.080	.023	.152	.077	.022		
10.0	.167	.080	.022	.164	.079	.022	.156	.077	.022	.149	.074	.021	.143	.072	.021		

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	.252	.252	.252	.216	.216	.216	.147	.147	.147	.085	.085	.085	.027	.027	.027	
1.0	.248	.218	.191	.212	.187	.164	.145	.129	.114	.083	.074	.066	.027	.024	.021	
2.0	.241	.195	.156	.206	.168	.135	.141	.116	.094	.081	.067	.055	.026	.022	.018	
3.0	.233	.178	.134	.200	.153	.116	.137	.107	.081	.079	.062	.048	.025	.020	.016	
4.0	.225	.165	.119	.193	.143	.103	.133	.099	.073	.077	.058	.043	.025	.019	.014	
5.0	.217	.155	.109	.187	.134	.095	.129	.094	.067	.074	.055	.040	.024	.018	.013	
6.0	.210	.147	.102	.180	.127	.088	.124	.089	.063	.072	.052	.037	.023	.017	.012	
7.0	.202	.140	.096	.174	.121	.084	.120	.085	.059	.070	.050	.035	.023	.016	.012	
8.0	.196	.134	.092	.168	.116	.080	.117	.082	.057	.068	.048	.034	.022	.016	.011	
9.0	.189	.129	.089	.163	.112	.078	.113	.079	.055	.066	.047	.033	.021	.015	.011	
10.0	.183	.125	.086	.158	.109	.075	.110	.076	.054	.064	.045	.032	.021	.015	.011	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:Hill
 Test Date:2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [K=1.0000]
 Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

UGR(Unified Glare Rating) Table

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm										
NAME: LED Luminaire					TYPE: N/A			WEIGHT: N/A		
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K					DIM.: N/A			SERIAL No.: N/A		
MFR.: ASD Lighting Corp					SUR.: N/A			Shielding Angle: N/A		
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	16.8	18.3	17.1	18.6	19.0	19.0	20.5	19.4	20.9	21.3
3H	18.1	19.5	18.5	19.9	20.3	21.7	23.1	22.1	23.4	23.8
4H	18.5	19.9	19.0	20.3	20.7	23.1	24.4	23.5	24.8	25.3
6H	18.8	20.0	19.2	20.5	20.9	24.7	25.9	25.1	26.3	26.8
8H	18.8	20.0	19.3	20.5	20.9	25.5	26.7	26.0	27.2	27.7
12H	18.8	20.0	19.3	20.4	20.9	26.5	27.7	27.0	28.1	28.6
4H 2H	17.9	19.3	18.4	19.7	20.1	19.6	20.9	20.0	21.3	21.8
3H	19.5	20.7	20.0	21.2	21.6	22.5	23.6	22.9	24.1	24.6
4H	20.2	21.3	20.7	21.7	22.3	24.1	25.2	24.6	25.7	26.2
6H	20.7	21.6	21.2	22.1	22.7	25.9	26.9	26.4	27.4	27.9
8H	20.8	21.7	21.3	22.2	22.8	26.9	27.8	27.4	28.3	28.9
12H	20.8	21.7	21.4	22.2	22.8	28.0	28.9	28.6	29.4	30.0
8H 4H	21.3	22.2	21.9	22.7	23.3	24.4	25.3	25.0	25.9	26.4
6H	22.2	23.0	22.7	23.5	24.1	26.5	27.3	27.1	27.9	28.5
8H	22.5	23.2	23.1	23.8	24.4	27.8	28.4	28.3	29.0	29.6
12H	22.8	23.4	23.4	23.9	24.6	29.2	29.8	29.8	30.3	31.0
12H 4H	21.7	22.5	22.2	23.1	23.6	24.4	25.3	25.0	25.8	26.4
6H	22.8	23.5	23.4	24.1	24.7	26.6	27.3	27.2	27.9	28.5
8H	23.3	23.9	23.9	24.5	25.2	28.0	28.6	28.6	29.2	29.8
Variations with the observer position at spacings(CIE Pub.117):										
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 / - 0.4				

CIE Pub.117, 1188 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)
Area: 0.0552 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

UTILIZATION FACTORS TABLE

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

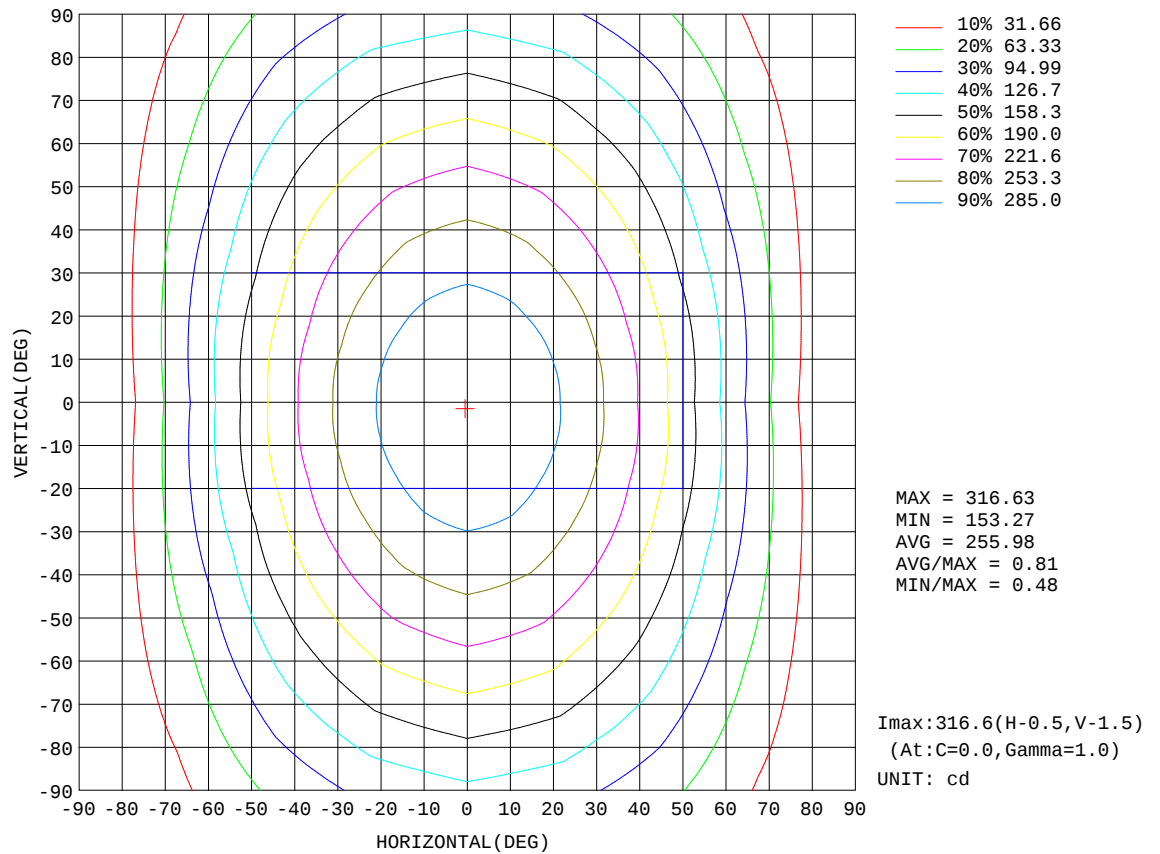
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	39	31	49	38	31	25
0.80	61	48	40	59	47	40	57	46	39	32
1.00	68	56	48	67	55	47	64	56	47	39
1.25	75	63	55	74	62	54	70	60	53	45
1.50	80	69	60	78	67	60	75	65	58	49
2.00	87	77	69	85	75	68	81	73	66	56
2.50	92	82	74	89	80	73	84	77	71	61
3.00	95	87	79	93	85	78	88	81	75	65
4.00	100	92	86	97	90	84	92	86	81	70
5.00	103	96	91	100	94	89	94	89	85	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

ISOCANDELA DIAGRAM

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

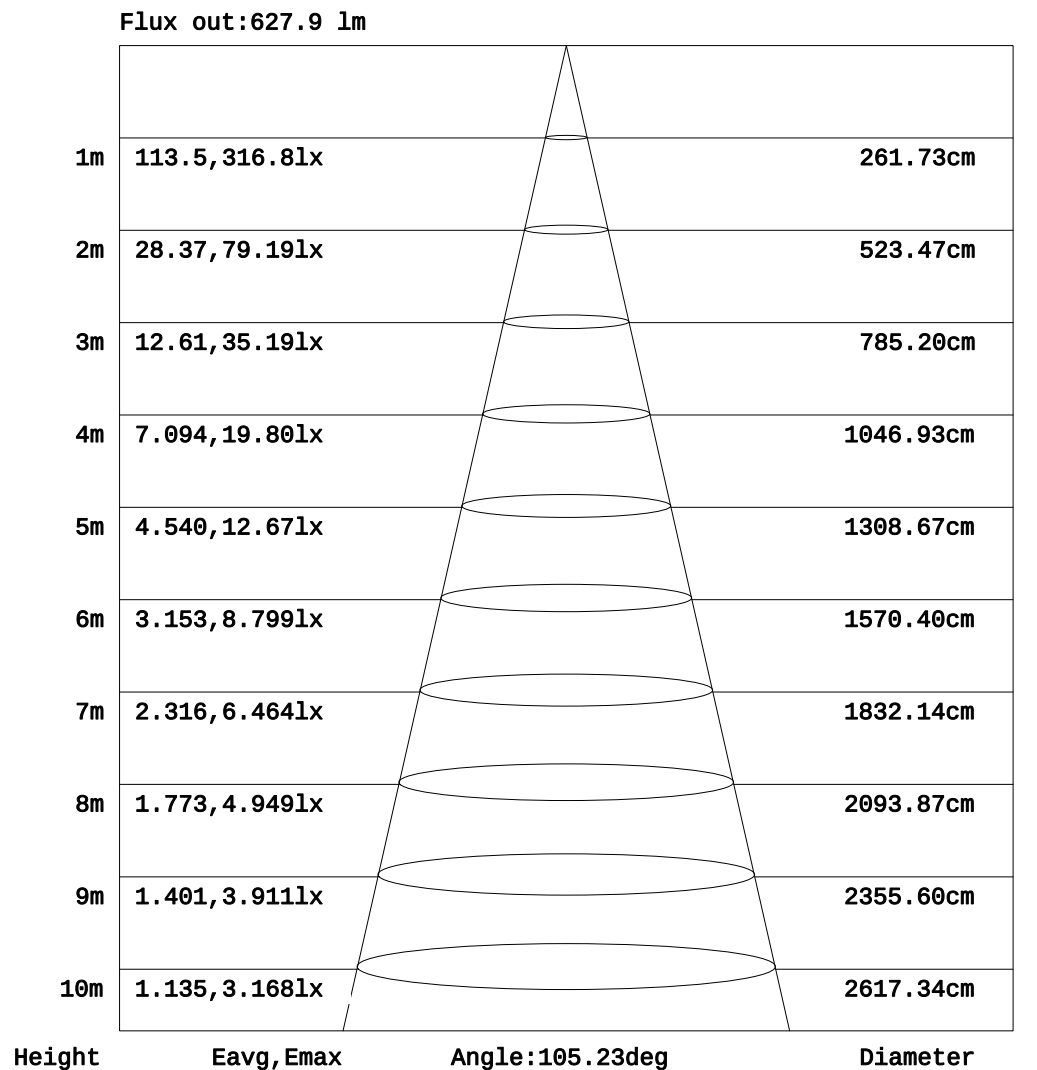


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2DEG
Operators: Hill
Test Date: 2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity: 43%
Test Distance: 2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

AAI Figure

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



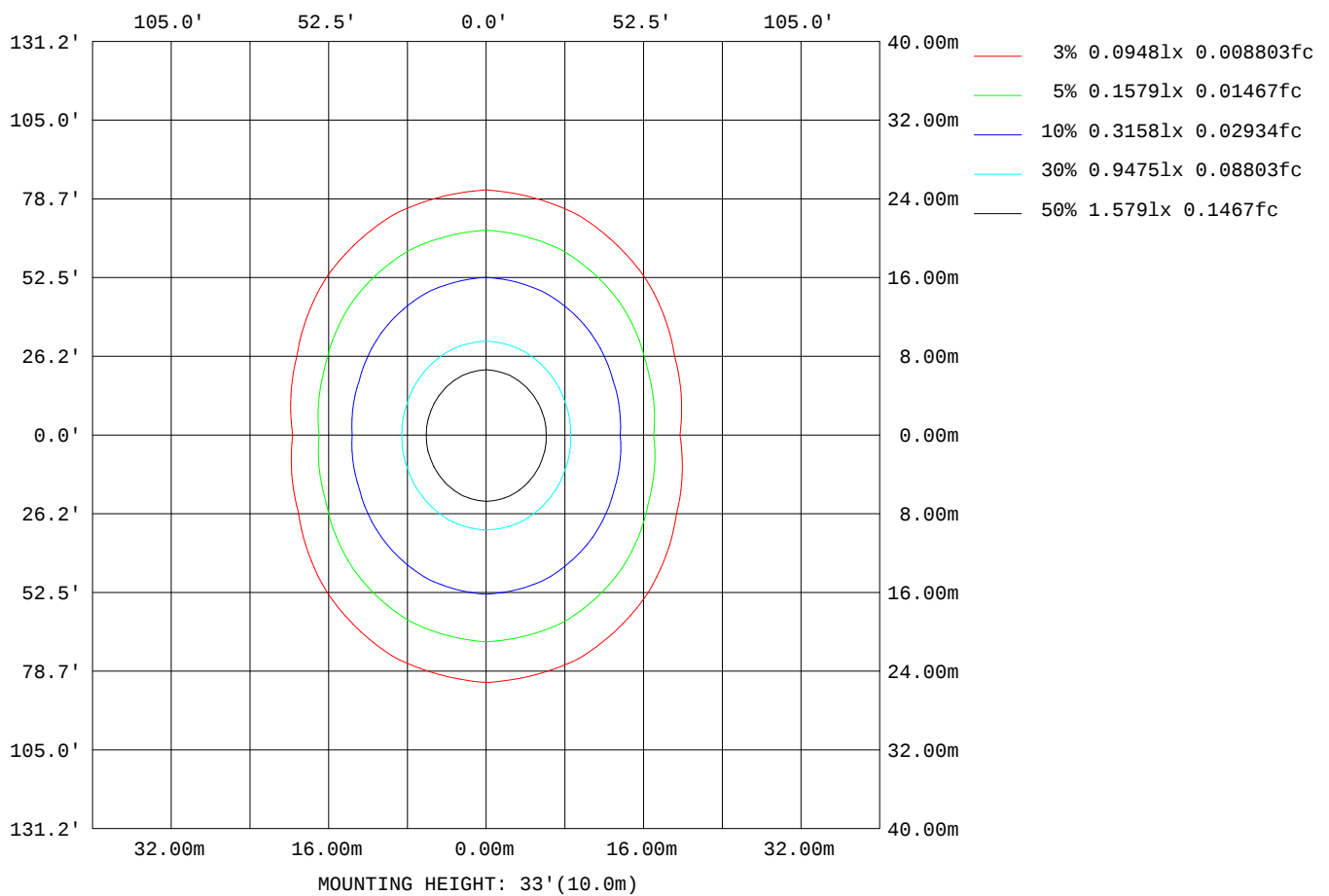
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

ISOLUX DIAGRAM

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

LED Avg.L Report

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

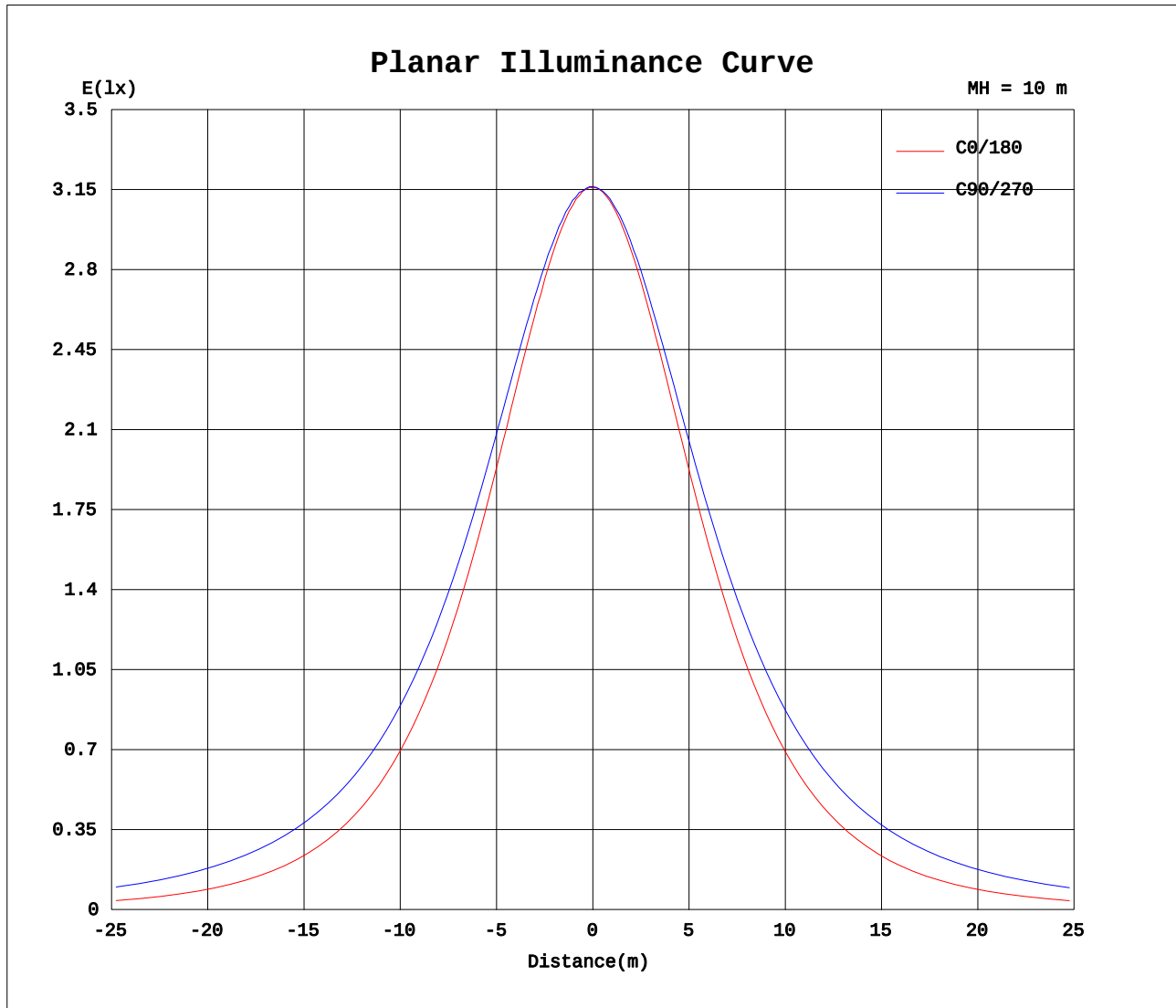
AvgL	cd/m2
L_0~180(65)av	3919
L_0~180(75)av	2800
L_0~180(85)av	842
L_90~270(65)av	8362
L_90~270(75)av	11545
L_90~270(85)av	27747
L_45(65)av	6498
L_45(75)av	8165
L_45(85)av	17664

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: Hill
 Test Date: 2024-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.2201A P:16.0W PF:0.6061 Freq:60.00Hz Lamp Flux:1173.85x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-21-MV-10D15SM-RGBW-BZ 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Table--1

UNIT: cd

C(°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (°)	0	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316			
5	315	315	315	316	316	315	315	314	314	314	314	314	315	315	314	315			
10	309	310	311	312	313	312	310	309	308	308	309	310	311	310	309	309			
15	300	302	303	307	308	306	303	300	300	299	301	303	305	304	302	301			
20	289	291	295	300	301	298	293	289	288	288	291	295	298	295	292	289			
25	276	278	284	291	294	289	281	276	274	275	279	286	289	286	281	276			
30	259	263	271	281	285	279	268	260	258	259	266	275	280	275	267	261			
35	241	246	257	270	275	267	254	243	239	242	252	264	270	263	253	243			
40	220	227	242	258	264	255	238	223	218	222	237	251	259	251	237	224			
45	197	206	226	245	253	241	221	202	196	202	220	238	247	238	220	203			
50	172	185	209	231	240	228	204	180	171	180	204	224	234	224	203	181			
55	146	162	191	216	226	213	186	157	145	158	186	210	221	209	186	158			
60	119	139	173	202	212	198	168	133	118	136	169	195	207	194	168	135			
65	91.7	116	156	186	198	182	150	110	91.1	114	151	180	192	179	150	112			
70	65.1	94.2	138	171	183	167	132	88.2	65.0	92.5	133	165	178	163	131	90.2			
75	39.7	74.1	121	155	167	152	115	68.1	40.3	72.7	117	149	162	148	114	69.8			
80	18.3	56.2	104	138	152	135	98.9	50.4	19.0	54.8	101	134	147	132	97.7	51.4			
85	3.97	41.1	88.7	123	136	120	83.6	35.6	4.13	40.0	85.4	118	131	117	82.2	36.2			
90	0.08	28.8	74.1	108	121	104	69.2	24.1	0.05	28.0	71.1	103	115	101	67.9	24.3			
95	0.08	19.6	60.8	93.2	106	90.2	56.3	15.7	0.04	18.9	58.3	89.1	101	87.3	55.2	15.6			
100	0.12	10.6	46.1	77.6	89.5	74.8	41.7	7.56	0.06	9.68	43.3	72.9	84.4	71.0	40.7	7.69			
105	0.13	3.25	28.7	57.2	68.2	54.4	24.4	1.56	0.07	2.31	25.4	51.2	62.5	49.8	23.8	1.79			
110	0.21	0.44	11.8	34.3	43.5	31.3	8.23	0.19	0.13	0.20	8.54	27.6	37.9	27.1	8.69	0.19			
115	0.20	0.29	3.68	12.5	17.7	8.84	1.87	0.18	0.12	0.15	1.81	7.01	12.7	7.41	2.37	0.22			
120	0.23	0.27	0.91	3.17	3.03	1.89	0.44	0.19	0.16	0.14	0.39	1.15	1.78	1.99	0.61	0.25			
125	0.25	0.33	0.45	1.05	0.81	0.62	0.29	0.22	0.13	0.14	0.22	0.37	0.47	0.69	0.31	0.22			
130	0.29	0.31	0.36	0.58	0.36	0.31	0.29	0.26	0.15	0.15	0.19	0.20	0.22	0.34	0.23	0.19			
135	0.35	0.35	0.37	0.37	0.34	0.33	0.33	0.33	0.16	0.17	0.19	0.20	0.21	0.22	0.22	0.19			
140	0.44	0.44	0.45	0.43	0.43	0.42	0.43	0.42	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.21			
145	0.53	0.53	0.53	0.52	0.51	0.51	0.52	0.52	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.22			
150	0.61	0.61	0.61	0.59	0.59	0.59	0.60	0.60	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.23			
155	0.69	0.69	0.68	0.67	0.66	0.66	0.67	0.68	0.25	0.26	0.26	0.26	0.26	0.26	0.27	0.26			
160	0.73	0.73	0.72	0.71	0.69	0.70	0.71	0.72	0.30	0.29	0.30	0.29	0.29	0.29	0.30	0.29			
165	0.72	0.71	0.70	0.69	0.67	0.69	0.70	0.71	0.34	0.33	0.32	0.34	0.33	0.33	0.33	0.33			
170	0.67	0.67	0.66	0.64	0.63	0.65	0.66	0.66	0.39	0.38	0.37	0.38	0.38	0.37	0.37	0.37			
175	0.62	0.62	0.61	0.59	0.59	0.60	0.61	0.62	0.45	0.45	0.44	0.43	0.43	0.43	0.43	0.43			
180	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.51			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:Hill
Test Date:2024-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks: ASD-OLWS-21-MV-10D15SM-RGBW-BZ