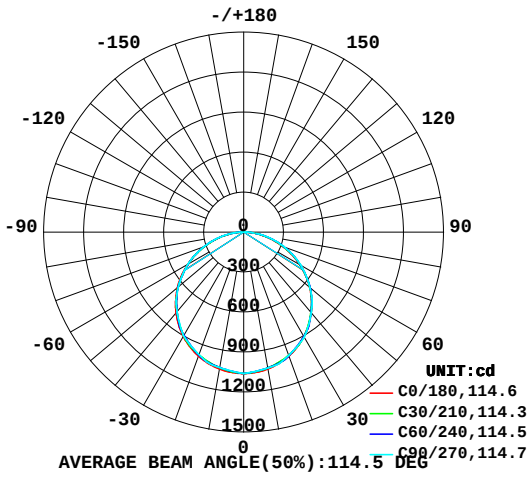
LUMINAIRE PHOTOMETRIC TEST REPORT

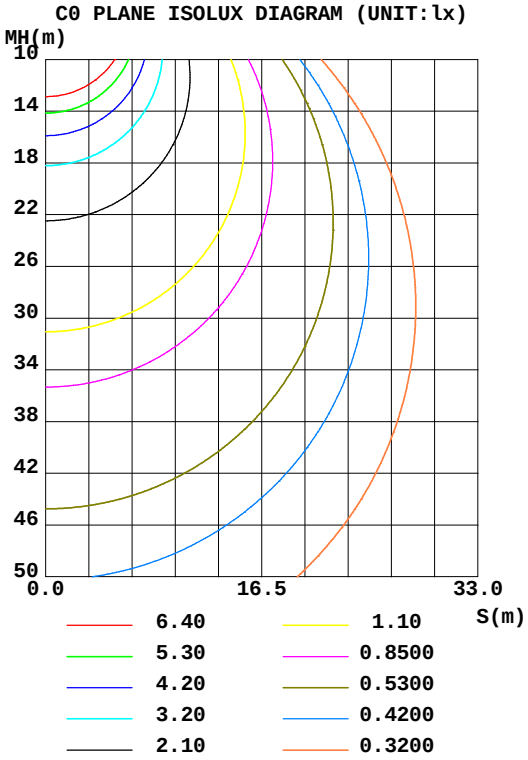
Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.88 lm/W			
MODEL		Imax(cd)	1061	S/MH(C0/180)	1.27
NOMINAL POWER(W)	27	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)		TOTAL FLUX(lm)	3117.1	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	3117.15	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [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
5	1057	1050	1049	1050	1057	1049	1047	1049	0- 5	25.21	25.21	0.81,0.81
10	1043	1035	1036	1035	1044	1033	1033	1033	5- 10	74.60	99.81	3.2,3.2
15	1021	1016	1022	1015	1022	1012	1017	1012	10- 15	121.7	221.5	7.11,7.11
20	990.6	991.2	986.3	991.0	991.3	986.3	979.9	986.4	15- 20	165.0	386.5	12.4,12.4
25	951.9	949.4	948.4	949.2	952.6	943.5	940.7	943.6	20- 25	202.4	588.9	18.9,18.9
30	905.2	900.6	910.5	900.5	906.0	894.1	901.5	894.1	25- 30	233.6	822.5	26.4,26.4
35	850.7	849.2	850.0	849.3	851.8	842.1	840.4	841.8	30- 35	257.4	1080	34.6,34.6
40	789.7	793.4	789.5	793.5	790.8	785.6	779.3	785.2	35- 40	272.1	1352	43.4,43.4
45	721.8	721.4	727.2	720.9	722.7	712.9	716.5	712.6	40- 45	278.4	1630	52.3,52.3
50	647.8	649.0	650.7	648.0	649.2	639.8	640.0	639.9	45- 50	275.7	1906	61.1,61.1
55	568.1	575.1	572.5	573.2	570.3	565.1	561.9	565.6	50- 55	263.6	2170	69.6,69.6
60	484.1	489.4	494.2	487.8	485.4	480.3	483.8	480.2	55- 60	243.1	2413	77.4,77.4
65	397.1	404.2	408.0	402.9	398.1	396.2	398.4	394.6	60- 65	215.0	2628	84.3,84.3
70	308.7	318.3	321.8	316.8	309.8	311.1	313.2	309.1	65- 70	180.4	2808	90.1,90.1
75	221.3	231.5	236.1	229.1	222.8	225.0	228.5	223.1	70- 75	141.1	2949	94.6,94.6
80	137.4	146.0	151.1	144.3	139.6	141.5	145.1	138.8	75- 80	98.61	3048	97.8,97.8
85	46.51	65.37	67.10	63.60	44.91	62.57	63.85	59.76	80- 85	54.77	3103	99.5,99.5
90	0.7293	5.239	9.102	4.215	1.293	4.142	7.986	2.803	85- 90	14.06	3117	100,100
95	0	0	0	0	0	0	0	0	90- 95	0.5408	3117	100,100
100	0	0	0	0	0	0	0	0	95-100	0	3117	100,100
105	0	0	0	0	0	0	0	0	100-105	0	3117	100,100
110	0	0	0	0	0	0	0	0	105-110	0	3117	100,100
115	0	0	0	0	0	0	0	0	110-115	0	3117	100,100
120	0	0	0	0	0	0	0	0	115-120	0	3117	100,100
125	0	0	0	0	0	0	0	0	120-125	0	3117	100,100
130	0	0	0	0	0	0	0	0	125-130	0	3117	100,100
135	0	0	0	0	0	0	0	0	130-135	0	3117	100,100
140	0	0	0	0	0	0	0	0	135-140	0	3117	100,100
145	0	0	0	0	0	0	0	0	140-145	0	3117	100,100
150	0	0	0	0	0	0	0	0	145-150	0	3117	100,100
155	0	0	0	0	0	0	0	0	150-155	0	3117	100,100
160	0	0	0	0	0	0	0	0	155-160	0	3117	100,100
165	0	0	0	0	0	0	0	0	160-165	0	3117	100,100
170	0	0	0	0	0	0	0	0	165-170	0	3117	100,100
175	0	0	0	0	0	0	0	0	170-175	0	3117	100,100
180	0	0	0	0	0	0	0	0	175-180	0	3117	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1630.4 lm

%lum = 52.3%
%lamp = 52.3%

Conical surface Flux(120deg): 2412.7 lm

%lum = 77.4%
%lamp = 77.4%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
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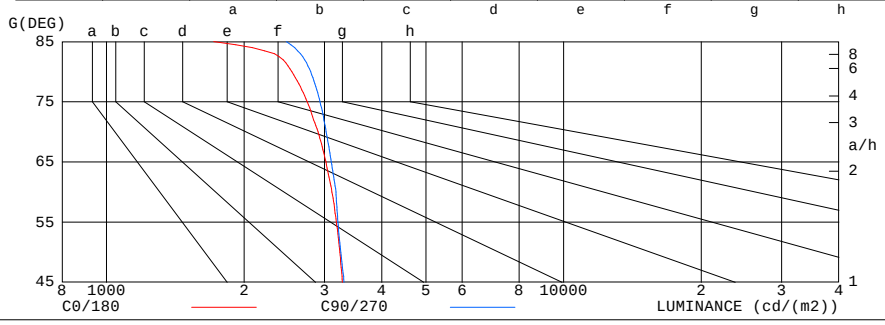
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1716	2476
80	2544	2797
75	2750	2933
70	2902	3026
65	3021	3104
60	3113	3178
55	3185	3209
50	3240	3255
45	3282	3307

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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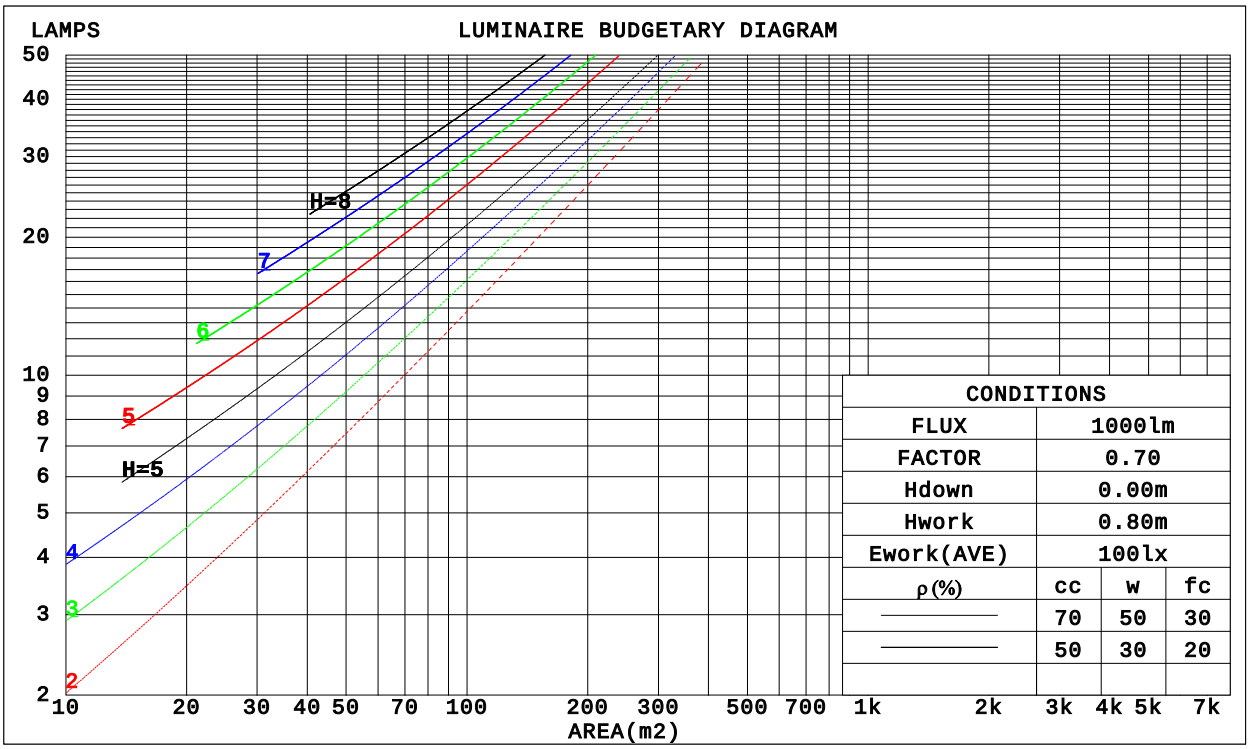
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.30	.25	.23



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Humidity:43%
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WEC AND CCEC

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MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding 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 Coeffcients(WEC)									
0.0																
1.0	.318	.181	.057	.311	.177	.056	.298	.171	.055	.285	.165	.053	.274	.159	.051	
2.0	.298	.163	.050	.291	.160	.049	.280	.155	.048	.269	.151	.047	.259	.146	.046	
3.0	.274	.146	.044	.269	.144	.043	.259	.140	.043	.249	.136	.042	.240	.133	.041	
4.0	.253	.131	.039	.248	.130	.038	.239	.127	.038	.230	.123	.037	.222	.121	.037	
5.0	.233	.119	.034	.229	.117	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.185	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.003	
9.0	.124	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding 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	16.9	18.5	17.2	18.7	18.9	17.0	18.5	17.3	18.7	19.0
3H	18.5	19.9	18.8	20.2	20.4	18.7	20.1	19.0	20.3	20.6
4H	19.2	20.5	19.5	20.8	21.0	19.4	20.7	19.7	21.0	21.2
6H	19.6	20.9	20.0	21.2	21.5	19.9	21.2	20.2	21.5	21.7
8H	19.7	21.0	20.1	21.3	21.6	20.1	21.3	20.4	21.6	21.9
12H	19.8	21.0	20.1	21.3	21.6	20.2	21.4	20.6	21.7	22.0
4H 2H	17.6	18.9	17.9	19.2	19.4	17.6	19.0	18.0	19.3	19.5
3H	19.4	20.6	19.7	20.8	21.2	19.5	20.7	19.8	21.0	21.3
4H	20.2	21.2	20.5	21.6	21.9	20.3	21.4	20.7	21.7	22.1
6H	20.7	21.7	21.1	22.1	22.4	21.0	22.0	21.4	22.3	22.7
8H	20.9	21.8	21.3	22.2	22.6	21.3	22.2	21.7	22.5	22.9
12H	21.0	21.8	21.4	22.2	22.6	21.4	22.3	21.9	22.7	23.1
8H 4H	20.5	21.4	20.9	21.7	22.1	20.6	21.5	21.0	21.9	22.3
6H	21.2	22.0	21.7	22.4	22.8	21.5	22.2	21.9	22.6	23.1
8H	21.5	22.2	22.0	22.6	23.1	21.8	22.5	22.3	22.9	23.4
12H	21.7	22.3	22.2	22.7	23.2	22.1	22.7	22.6	23.1	23.6
12H 4H	20.5	21.3	20.9	21.7	22.1	20.6	21.5	21.1	21.9	22.3
6H	21.3	22.0	21.8	22.4	22.9	21.6	22.2	22.0	22.7	23.1
8H	21.6	22.2	22.1	22.7	23.1	22.0	22.5	22.4	23.0	23.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3117 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.0)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

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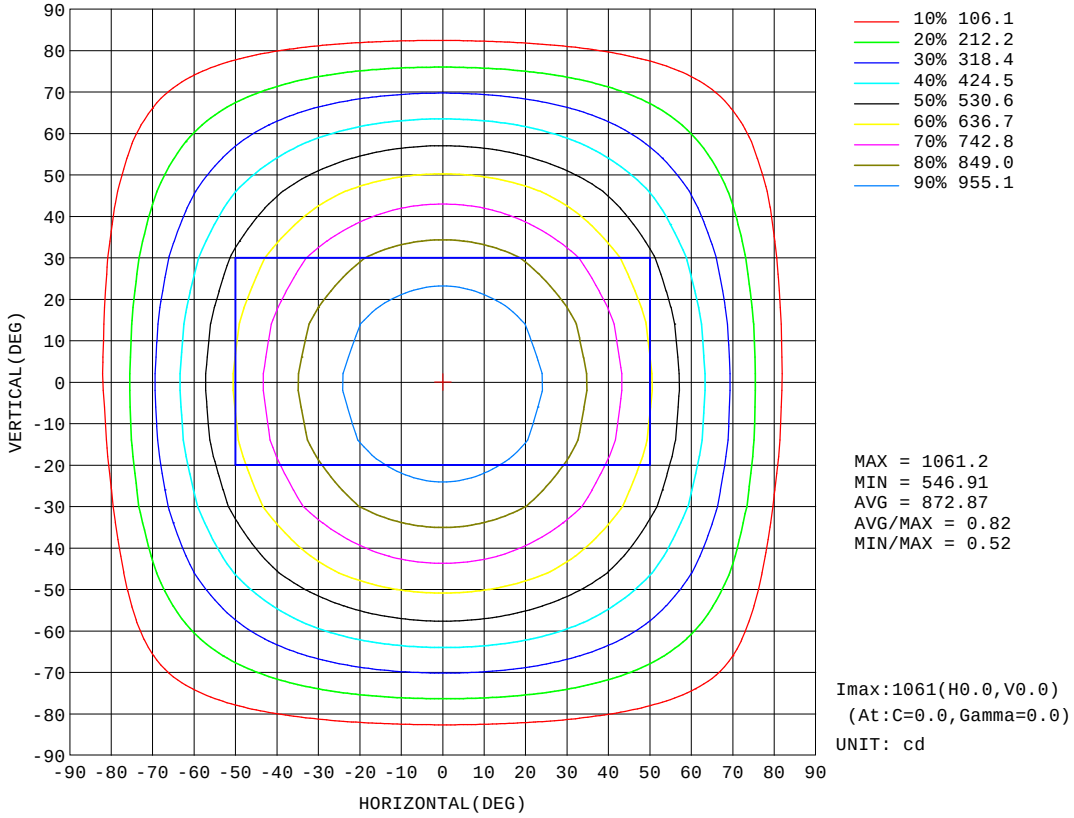

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AAI Figure

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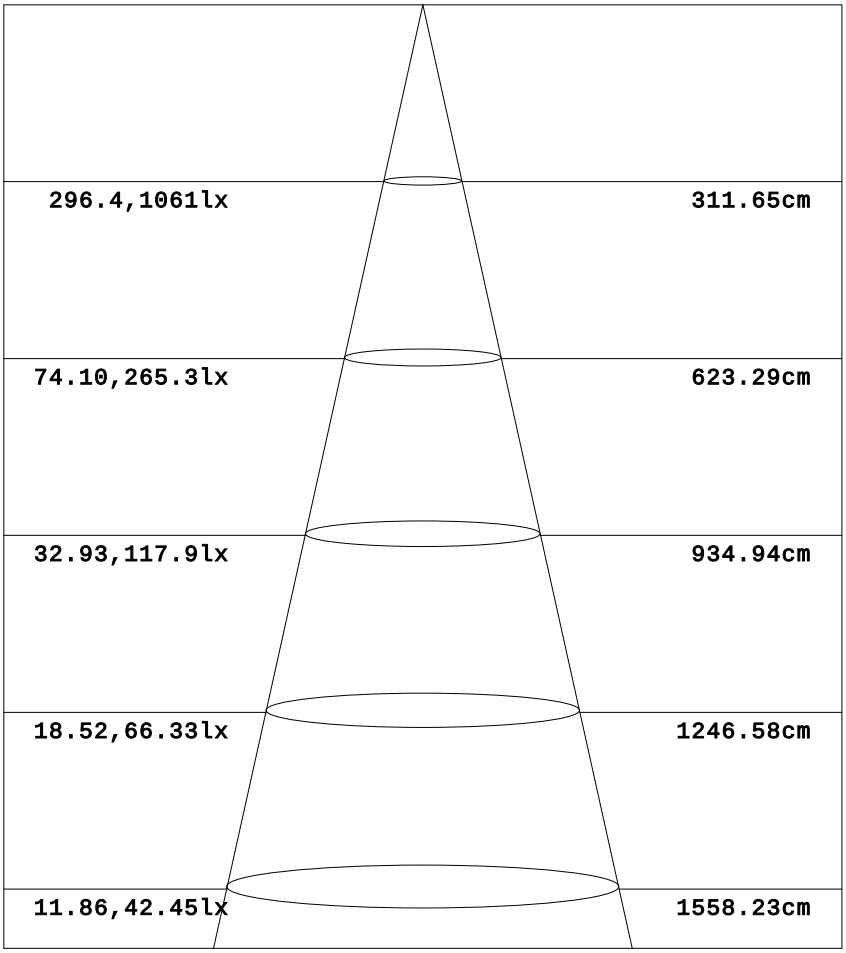
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

Flux out:2294 lm



Height Eavg,Emax Angle:114.62deg Diameter

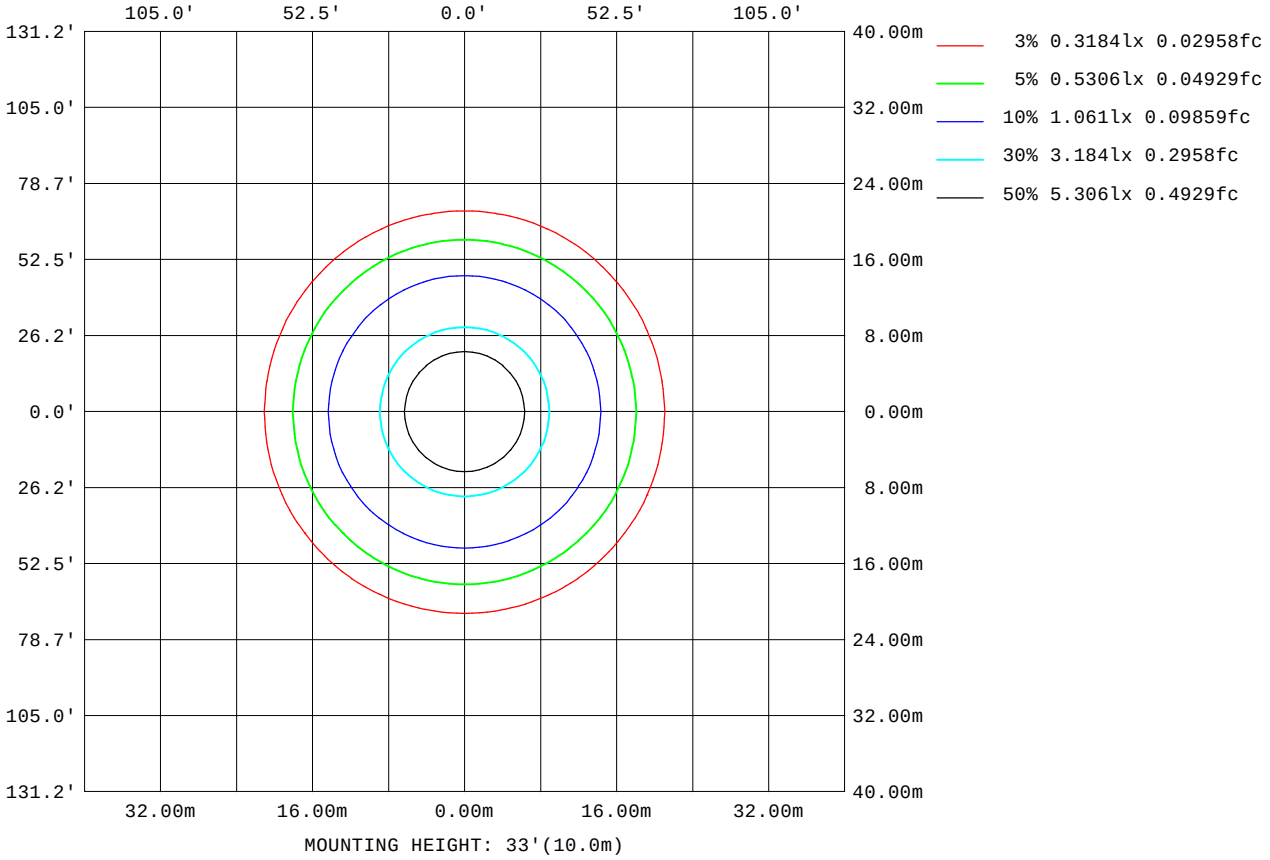
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

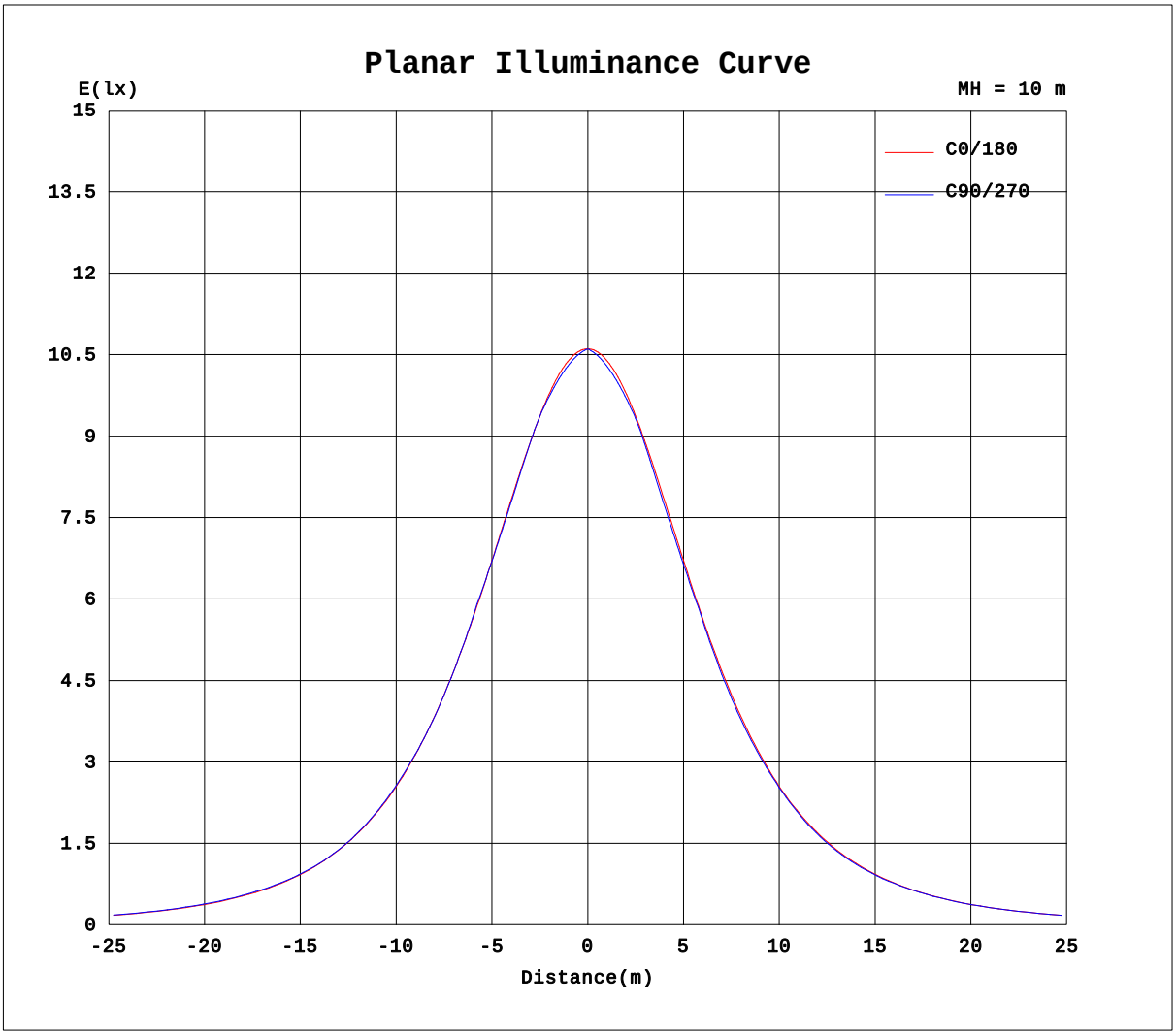
AvgL	cd/m2
L_0~180(65)av	3025
L_0~180(75)av	2759
L_0~180(85)av	1686
L_90~270(65)av	3068
L_90~270(75)av	2886
L_90~270(85)av	2416
L_45(65)av	3039
L_45(75)av	2823
L_45(85)av	2318

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061
5	1057	1056	1055	1054	1053	1052	1052	1051	1051	1050	1050	1050	1049	1049	1049	1049	1049	1049	1049
10	1043	1041	1040	1038	1037	1036	1036	1035	1035	1035	1035	1035	1035	1036	1036	1036	1036	1036	1036
15	1021	1018	1016	1015	1014	1013	1013	1014	1014	1016	1017	1018	1020	1021	1022	1022	1022	1022	1022
20	991	987	985	983	983	983	985	987	989	991	991	990	989	988	987	987	986	986	986
25	952	948	945	944	945	947	951	953	952	949	948	947	947	947	947	948	948	948	948
30	905	900	898	898	901	905	906	903	901	901	901	902	904	905	907	908	910	910	911
35	851	846	844	846	850	851	848	847	847	849	852	855	854	852	851	851	850	850	850
40	790	784	784	787	791	787	786	788	791	793	791	789	788	788	789	789	789	789	790
45	722	717	717	723	720	719	721	726	723	721	721	722	723	724	726	727	727	727	727
50	648	643	646	648	645	648	651	649	648	649	651	654	654	653	652	651	651	651	651
55	568	564	570	567	568	572	569	570	573	575	574	573	572	572	572	572	572	572	572
60	484	481	485	483	488	485	487	490	490	489	489	490	491	492	493	493	494	494	494
65	397	395	396	400	398	401	403	402	403	404	406	408	408	408	408	408	408	408	408
70	309	309	309	310	313	313	314	316	318	318	319	320	321	321	322	322	322	322	322
75	221	222	223	225	225	227	228	229	230	232	232	233	235	235	236	236	236	236	236
80	137	129	128	135	141	143	144	145	145	146	147	147	149	150	150	151	151	151	151
85	46.5	39.5	45.6	55.3	61.1	63.3	64.4	65.0	65.3	65.4	65.4	65.5	65.8	65.8	65.9	66.2	66.7	67.0	67.1
90	0.73	1.51	1.48	1.48	1.68	2.80	3.60	4.26	4.84	5.24	5.71	6.19	6.59	6.90	7.33	7.89	8.52	8.91	9.10
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061
5	1049	1049	1049	1049	1049	1049	1050	1050	1050	1051	1051	1052	1052	1053	1054	1055	1056	1057	1056
10	1036	1036	1036	1036	1036	1035	1035	1035	1035	1035	1035	1036	1036	1037	1038	1040	1042	1044	1041
15	1022	1022	1022	1022	1021	1019	1018	1017	1015	1015	1014	1013	1013	1014	1015	1016	1019	1022	1018
20	986	986	987	987	988	989	990	991	991	989	987	985	983	983	983	985	988	991	987
25	948	948	948	947	947	947	947	948	949	951	952	950	947	945	945	945	948	953	947
30	910	910	908	907	905	904	902	901	901	901	903	906	905	901	898	898	901	906	900
35	850	850	851	851	852	854	856	852	849	847	847	848	851	850	846	844	846	852	845
40	789	789	789	788	788	788	789	791	793	791	787	786	786	790	787	784	785	791	784
45	727	727	727	725	724	722	721	721	721	723	726	721	718	719	722	717	717	723	716
50	651	651	651	651	652	653	652	650	648	647	648	651	647	645	647	645	643	649	642
55	572	572	572	571	571	571	571	572	573	571	569	569	572	568	566	569	565	570	564
60	494	493	493	492	491	490	489	488	488	489	489	486	485	488	483	485	481	485	480
65	408	408	407	407	407	407	406	405	403	401	400	401	399	397	399	396	395	398	394
70	322	321	321	321	320	319	319	318	317	316	314	312	311	311	309	308	309	310	308
75	236	236	235	235	234	233	232	230	229	228	227	226	225	223	223	222	221	223	220
80	151	151	150	150	149	147	146	145	144	143	142	141	141	139	133	125	126	140	138
85	66.8	66.2	65.6	65.1	64.7	64.3	63.9	63.8	63.6	63.2	63.0	62.4	61.6	59.4	53.7	45.2	36.8	44.9	53.2
90	8.89	8.29	7.57	6.91	6.38	5.84	5.28	4.75	4.21	3.49	3.04	2.36	1.60	1.51	1.49	1.48	1.47	1.29	0.85
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

Table--3 UNIT: cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061
5	1055	1053	1053	1052	1051	1050	1050	1049	1049	1048	1048	1048	1047	1047	1047	1047	1047	1047	1047
10	1039	1038	1036	1035	1034	1033	1033	1033	1032	1032	1033	1033	1033	1033	1033	1033	1033	1033	1033
15	1016	1014	1012	1011	1011	1011	1011	1012	1013	1014	1015	1016	1017	1017	1017	1017	1017	1017	1017
20	984	982	981	981	981	983	985	986	986	985	983	982	981	981	980	980	980	980	980
25	944	942	942	944	946	948	946	944	942	941	940	940	940	940	940	941	941	941	940
30	897	896	897	901	901	897	895	894	894	895	896	897	899	900	901	901	901	901	901
35	842	843	846	846	842	841	841	842	844	847	845	843	842	841	841	840	840	840	841
40	782	784	786	781	780	781	784	786	782	780	779	779	779	779	779	779	779	779	779
45	715	719	715	713	715	719	715	713	712	712	713	714	715	716	716	716	716	716	716
50	643	644	640	642	645	641	639	640	641	643	643	642	641	641	640	640	640	640	640
55	567	563	564	566	562	562	564	565	564	563	562	562	562	562	562	562	562	562	562
60	482	480	483	480	480	483	481	480	480	480	481	482	482	483	483	484	484	484	483
65	393	396	394	395	396	395	395	396	398	399	399	398	398	398	398	398	398	398	398
70	306	306	308	308	308	309	311	311	312	312	313	313	313	313	313	313	313	313	313
75	221	221	221	222	223	224	224	225	226	227	228	228	229	229	229	229	228	228	228
80	138	138	139	139	140	140	141	141	142	143	143	144	145	145	145	145	145	145	144
85	52.9	55.6	59.7	60.8	61.5	62.0	62.4	62.6	62.5	62.6	62.8	63.0	63.2	63.4	63.7	64.0	63.9	63.3	62.5
90	0.85	0.86	0.91	1.25	2.29	2.86	3.59	4.14	4.52	5.03	5.56	6.02	6.50	7.02	7.57	8.00	7.99	7.54	6.91
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.2V I:0.2191A P:26.22W PF:0.9866 Lamp Flux:3117.15x1 lm		
NAME: ASD Lighting corp	TYPE:LED PANEL	WEIGHT:
SPEC.: ASD-ELP05-22D27CC-STD(5000K)	DIM.: 603x603mm	SERIAL No.:BLD20171213P08
MFR.: ASD Lighting corp	SUR.:0.558*0.558	Shielding Angle:

Table--4 UNIT: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061				
5	1047	1047	1048	1048	1048	1048	1049	1049	1050	1051	1052	1052	1053	1054	1056				
10	1033	1033	1033	1032	1032	1032	1033	1033	1033	1034	1035	1036	1037	1039	1041				
15	1017	1017	1016	1015	1014	1013	1012	1011	1011	1011	1011	1012	1013	1015	1018				
20	981	981	982	983	985	986	986	985	983	981	980	980	981	983	986				
25	940	940	940	940	941	942	944	946	948	946	944	942	942	944	947				
30	900	898	897	896	895	894	894	895	897	901	901	897	896	897	900				
35	841	842	843	845	847	844	842	841	841	842	846	847	843	842	845				
40	779	779	779	779	780	782	785	783	781	780	782	787	784	782	783				
45	716	715	714	713	712	712	713	715	718	714	713	715	719	715	715				
50	641	641	642	644	643	641	640	639	640	644	641	640	644	643	641				
55	562	561	562	562	563	564	566	564	561	561	565	562	562	567	562				
60	483	482	481	480	480	480	480	481	482	479	478	482	478	481	479				
65	398	398	398	398	398	396	395	394	393	395	393	392	395	393	393				
70	313	312	312	311	311	310	309	309	307	306	306	307	305	305	307				
75	228	227	227	226	225	224	223	222	221	221	220	219	220	219	220				
80	144	143	142	141	140	139	139	138	138	137	137	137	136	137	136				
85	61.8	61.2	60.9	60.8	60.5	60.2	59.8	59.6	59.3	58.8	57.8	56.6	52.3	50.4	51.3				
90	6.16	5.48	5.00	4.61	4.09	3.52	2.80	2.38	1.92	1.13	0.85	0.85	0.85	0.85	0.85				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:HUA
Test Date:2017-12-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:43%
Test Distance:12.218m [K=1.0000]
Remarks: