

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

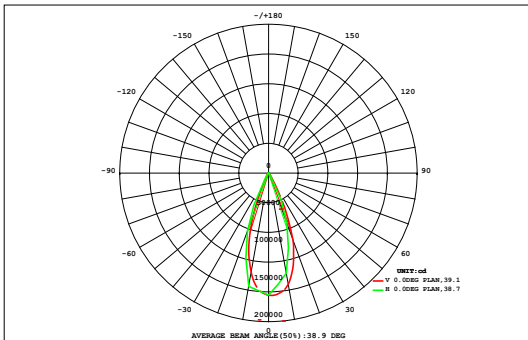
Maximum Intensity		2279.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-1.0 degrees horizontal
Beam Spread	At 10% of Imax	57.6V x 56.5H
	At 50% of Imax	38.7V x 39.1H
	At 90% of Imax	17.2V x 18.7H
Beam Flux	Total	991.4 lumens per klm.
	To 10% of Imax	863.6 lumens per klm.
	To 50% of Imax	597.8 lumens per klm.
	To 90% of Imax	154.8 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.1 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:276.85V I:2.7112A P:750.60W		
PF:0.9977 Freq:50.01Hz Lamp Flux:93236 lm		
NAME: ASD-SPFL2-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:124,22 m/W	
MODEASD-SPFL2-750D50-PRM		Imax (cd)	205816
NOMINAL POWER (W)	750	AVAILABILITY (%)	88.0
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	79476
NOMINAL FLUX (lm)	93236	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	93236
TEST VOLTAGE (V)	277	θ @50% (H, V)	39,39DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	8.60	11.4	14.0	17.1	20.1	22.9	25.3	27.1	27.9	28.6	28.0	27.0	25.2	22.8	20.1	17.2	14.1	11.3	369	0.00	
45	13.7	16.5	20.0	23.6	27.0	30.3	32.7	33.6	34.3	33.5	32.7	30.6	27.4	24.0	20.3	16.5	13.6	10.0	440	0.00	
40	11.2	15.3	19.3	24.4	30.0	39.0	53.2	70.1	83.7	90.4	82.3	68.1	52.1	38.7	30.5	24.9	19.5	15.5	768	0.00	
35	16.9	21.8	28.4	35.2	47.2	68.4	94.6	119	131	118	96.2	69.0	47.8	35.4	29.0	22.3	17.2	13.1	1011	0.00	
30	13.8	18.5	24.4	36.5	67.0	147	295	464	589	632	572	438	267	131	62.8	35.6	25.3	19.0	3839	3394	
25	20.8	27.9	41.8	86.4	205	441	719	921	988	897	686	409	186	77.0	37.6	26.5	20.2	14.9	5806	5396	
20	15.3	20.7	28.4	56.6	159	401	715	1021	1232	1329	1299	1125	815	446	176	61.0	31.1	22.1	8952	8631	
15	22.9	33.1	78.6	242	636	1091	1434	1620	1659	1591	1374	1020	578	207	55.6	28.3	21.9	16.4	11709	11420	
10	16.2	21.2	24.2	50.6	196	561	947	1274	1474	1556	1554	1417	1146	734	304	90.5	35.4	23.4	11425	11150	
5	23.8	37.7	105	362	828	1208	1462	1587	1606	1547	1366	1048	647	224	45.9	22.9	21.0	16.4	12160	11912	
0	15.4	19.3	15.8	22.5	115	453	826	1128	1311	1381	1377	1254	1008	661	278	86.2	34.5	22.7	10010	9770	
-5	22.2	31.7	70.8	212	541	870	1103	1233	1255	1206	1026	722	358	77.9	19.7	17.0	19.4	15.2	8798	8532	
-10	13.7	18.2	16.4	14.5	35.8	145	375	616	790	859	847	738	551	334	140	53.7	28.7	20.3	5595	5309	
-15	19.1	26.1	36.7	65.8	136	265	426	534	563	490	319	126	35.0	11.6	10.0	16.8	16.7	12.8	3111	2754	
-20	11.6	15.0	18.7	18.4	16.9	29.2	67.7	134	206	260	274	248	174	92.7	49.4	30.3	22.2	16.8	1685	1209	
-25	14.6	18.9	24.6	28.8	30.1	24.1	17.1	15.4	14.0	10.7	8.50	6.49	6.23	10.2	16.7	16.4	13.6	10.8	287	0.00	
-30	9.37	12.0	14.5	18.2	21.0	23.3	27.3	33.5	39.6	47.8	47.3	43.5	36.4	28.9	24.0	20.2	16.3	13.0	476	0.00	
-35	11.4	13.6	15.9	18.3	20.3	21.9	20.9	18.2	15.8	13.5	14.6	15.8	16.2	16.0	14.2	12.3	10.7	7.85	277	0.00	
-40	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45				
Φ t	281	379	597	1333	3132	5843	8639	10848	12018	12091	11005	8807	5976	3174	1334	599	381	282	86719	---	
Φ a	0.00	0.00	44.7	782	2628	5485	8314	10497	11635	11731	10677	8520	5668	2657	808	29.5	0.00	0.00	---	79476	

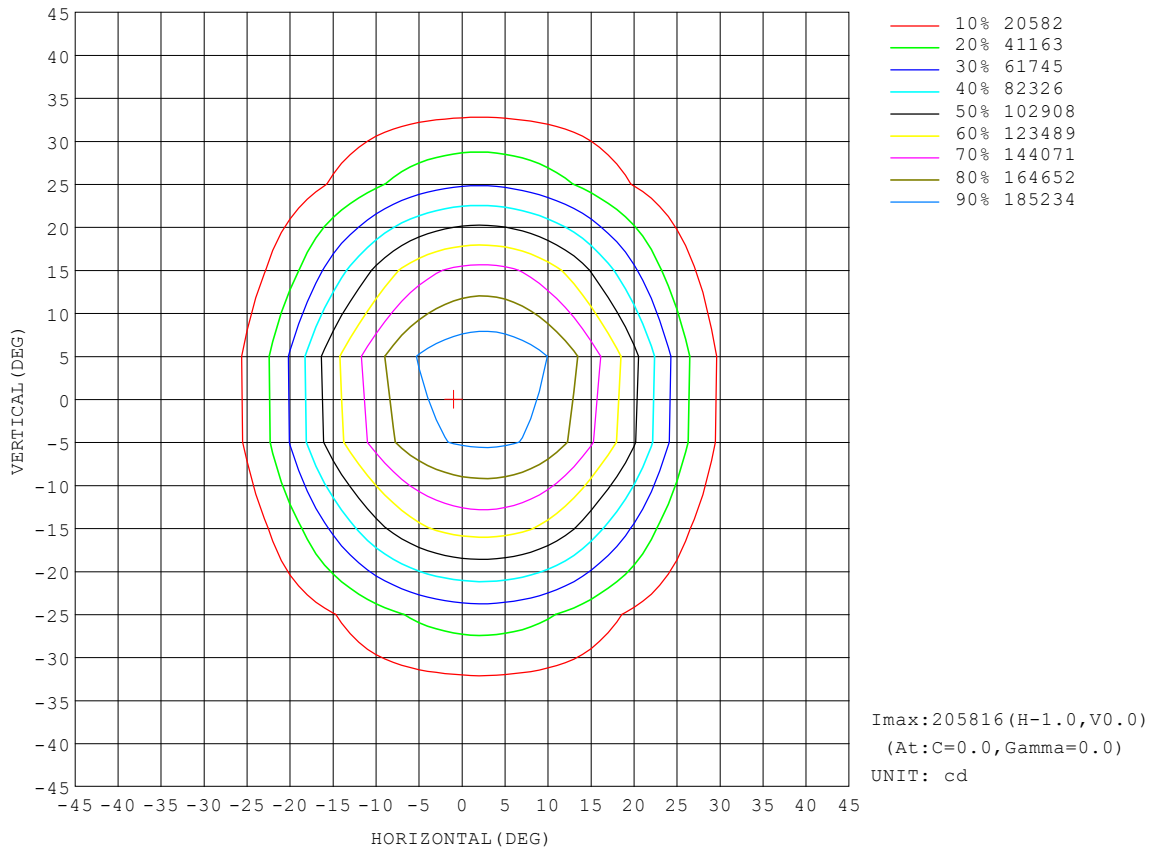
one-half-peak spread: U:18.6,D:20.3 , L:20.6,R:18.7 NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:276.85V I:2.7112A P:750.60W		
PF:0.9977 Freq:50.01Hz Lamp Flux:93236 lm		
NAME: ASD-SPFL2-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

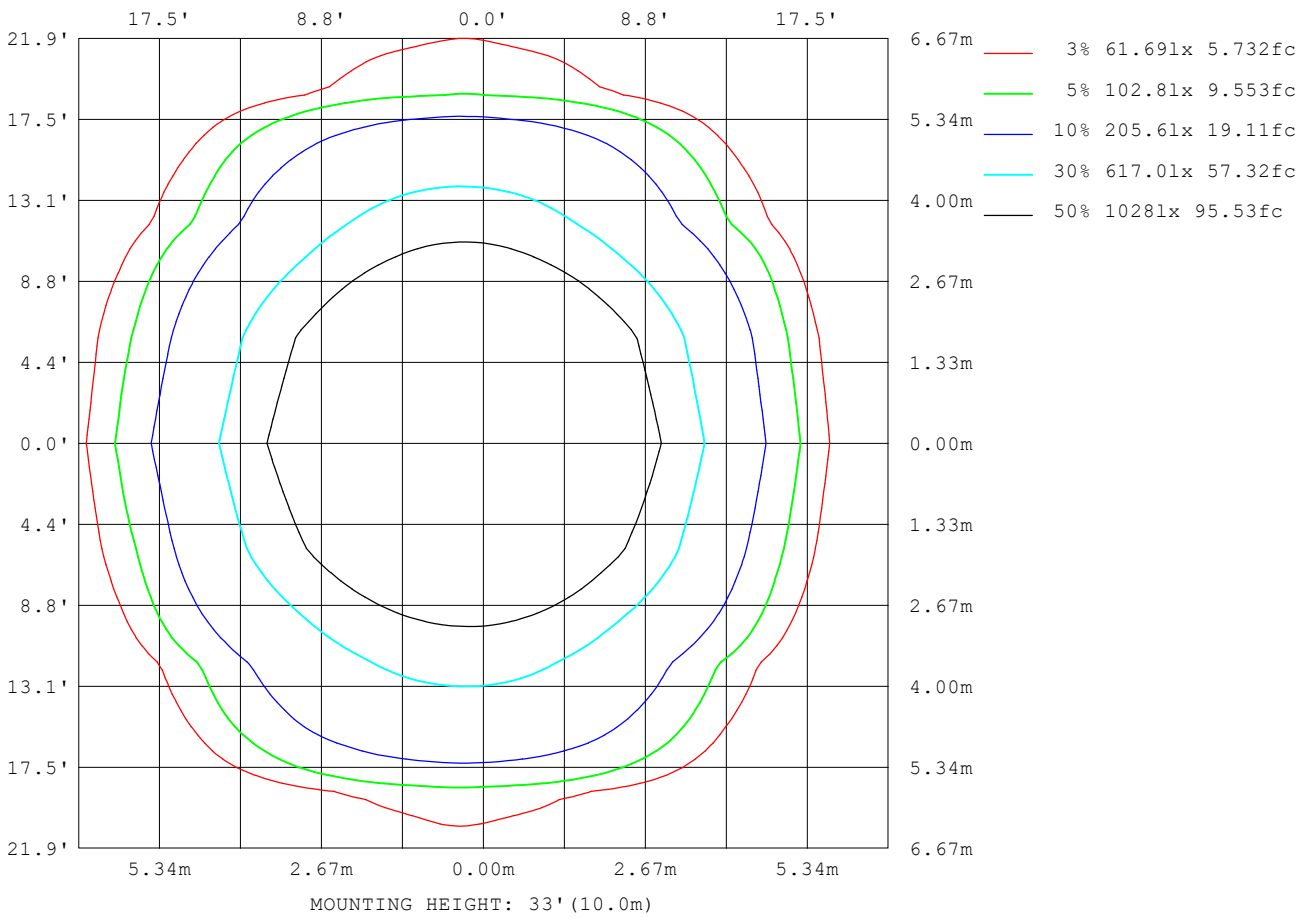


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 Temperature:25.3DEG  
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 Test Date:23 July 2021

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 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

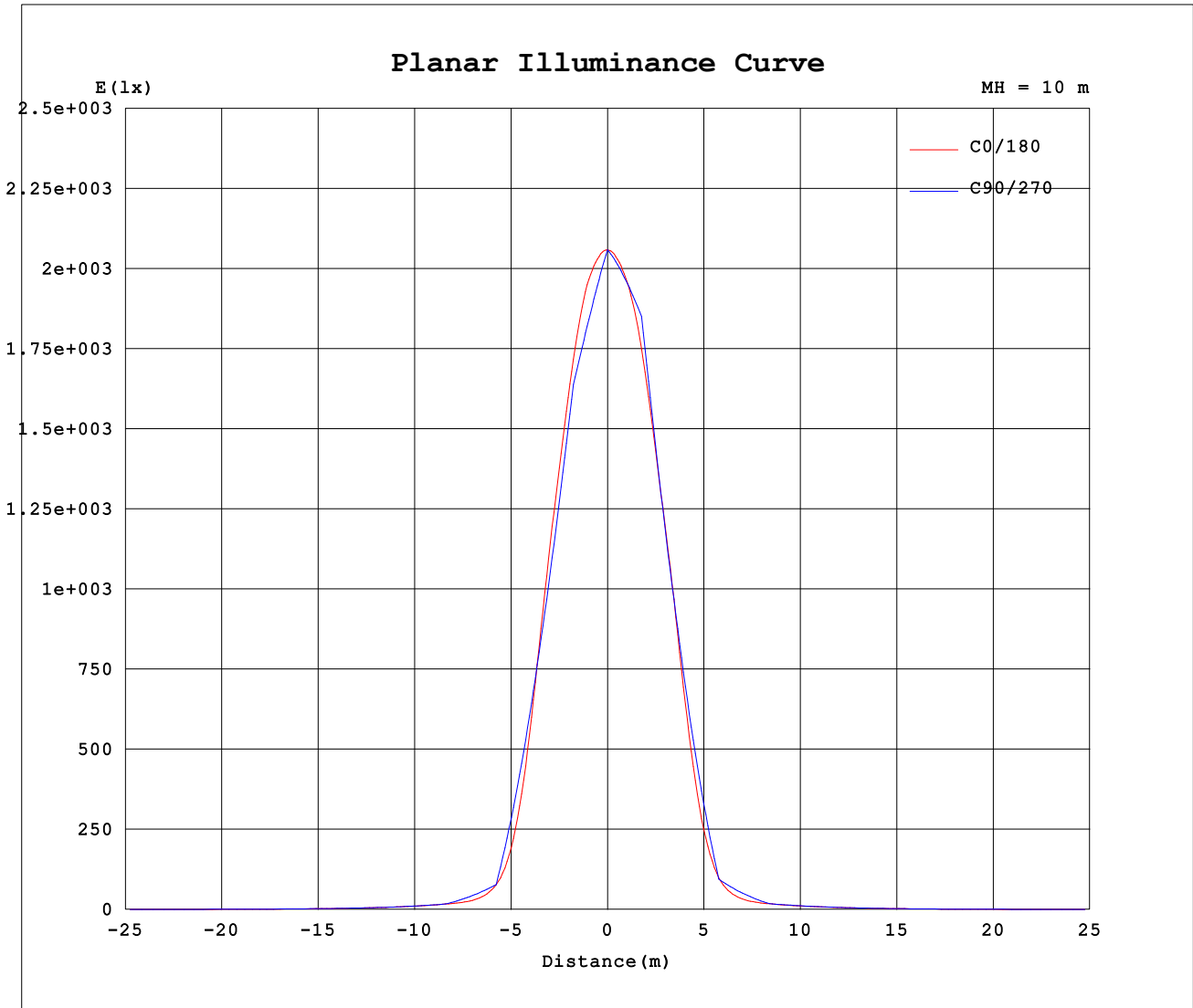
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Remarks:

**Planar Illuminance Curve**

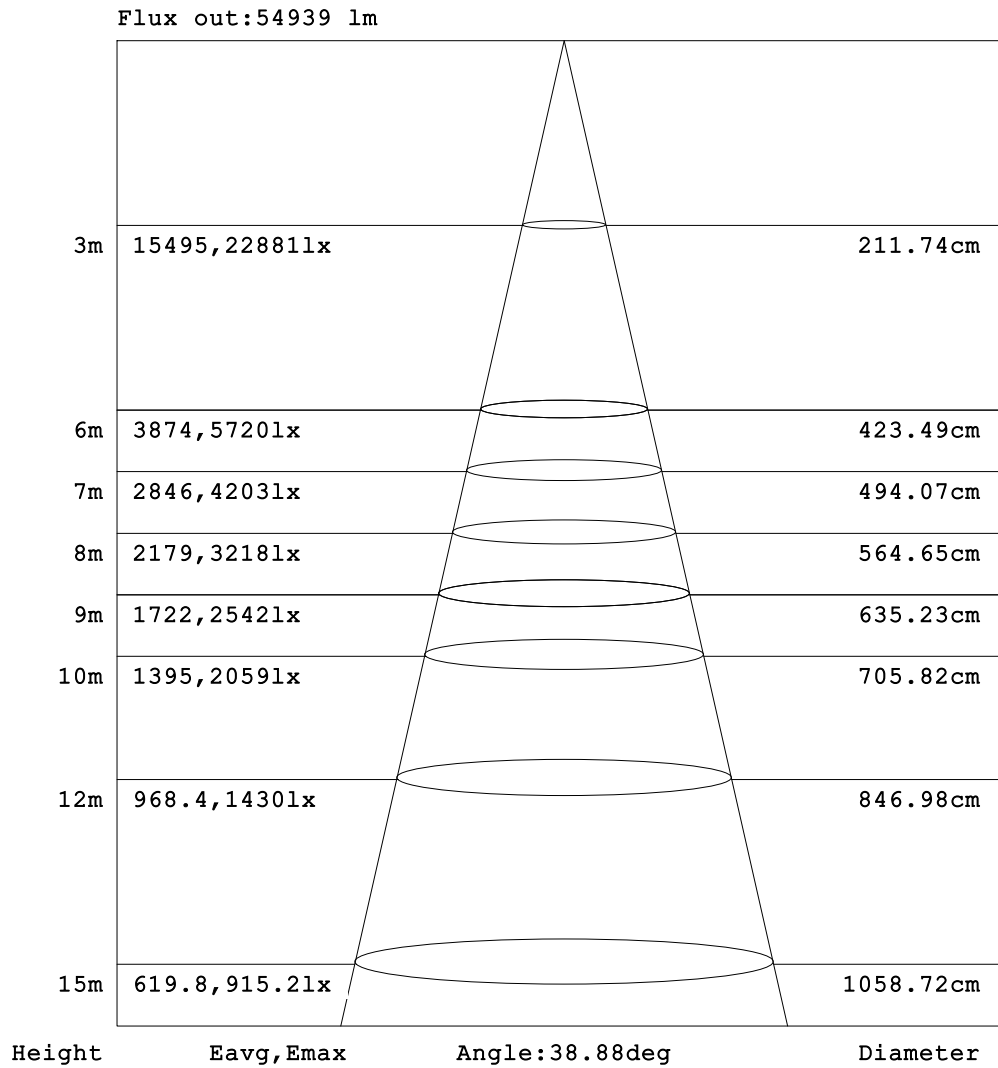


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 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
 V(B) Interval: 5.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:276.85V I:2.7112A P:750.60W		
PF:0.9977 Freq:50.01Hz Lamp Flux:93236 lm		
NAME: ASD-SPFL2-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
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Operators:S  
Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.85V I:2.7112A P:750.60W		
PF:0.9977 Freq:50.01Hz Lamp Flux:93236 lm		
NAME: ASD-SPFL2-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: X100cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	1.80	2.70	3.48	3.59	3.41	3.27	3.19	3.17	3.18	3.23	3.30	3.32	3.37	3.43	3.46	3.46	3.43	3.54	3.68
-75	1.11	1.60	2.47	3.06	3.26	3.33	3.43	3.59	3.80	4.04	4.28	4.53	4.70	4.93	5.13	5.26	5.34	5.37	5.56
-70	1.16	1.91	2.48	2.91	3.23	3.54	3.91	4.33	4.80	5.22	5.68	6.01	6.39	6.74	7.03	7.24	7.29	7.44	7.61
-65	0.54	0.96	1.59	2.15	2.74	3.31	3.85	4.48	5.18	5.99	6.69	7.49	8.14	8.84	9.47	10.1	10.6	10.7	10.9
-60	0.55	1.03	1.59	2.38	3.15	3.95	4.78	5.73	6.81	7.92	8.97	10.0	11.0	12.0	12.9	13.8	14.1	14.2	14.2
-55	0.21	0.46	0.93	1.65	2.63	3.62	4.64	5.81	7.16	8.73	10.4	12.0	13.8	15.2	16.4	17.5	18.4	18.8	19.1
-50	0.20	0.60	1.37	2.51	3.67	4.94	6.35	8.03	9.94	12.2	14.4	16.9	18.8	20.5	21.8	22.6	23.3	23.9	24.1
-45	0.09	0.24	0.76	1.78	3.07	4.49	6.03	7.89	10.2	12.8	15.8	18.4	21.0	23.6	25.9	28.1	29.5	30.6	31.3
-40	0.13	0.64	1.73	3.09	4.73	6.45	8.64	11.4	14.7	18.2	21.5	24.1	27.5	30.5	33.6	36.0	37.5	38.4	38.6
-35	0.05	0.21	0.91	2.21	3.69	5.55	7.74	10.6	13.9	17.8	21.5	25.6	30.2	35.6	40.6	49.2	59.7	71.2	77.9
-30	0.12	0.77	2.14	3.65	5.57	8.09	11.3	14.9	19.4	23.3	28.0	34.2	41.6	48.3	60.9	79.1	101	114	117
-25	0.04	0.22	1.14	2.63	4.29	6.54	9.53	13.4	17.5	22.1	27.0	33.6	41.8	59.5	102	199	335	448	512
-20	0.14	0.99	2.51	4.19	6.49	9.67	13.8	18.3	22.9	28.7	36.2	45.5	67.9	131	291	536	755	893	911
-15	0.04	0.24	1.36	2.97	4.80	7.34	10.9	15.5	20.2	25.3	32.0	40.7	58.9	125	329	653	965	1195	1305
-10	0.14	1.16	2.73	4.60	7.01	10.6	15.1	20.1	25.4	32.3	41.3	61.0	142	419	882	1277	1560	1693	1713
-5	0.04	0.29	1.46	3.18	5.17	7.92	11.7	16.6	21.9	27.9	35.1	45.0	79.8	229	627	1131	1510	1771	1873
0	0.17	1.21	2.85	4.90	7.55	11.2	15.9	21.5	27.6	34.4	43.7	75.6	223	640	1195	1605	1905	2031	2053
5	0.04	0.34	1.46	3.19	5.19	7.96	11.7	16.6	22.0	28.2	35.3	45.0	80.9	236	636	1163	1573	1865	1981
10	0.19	1.15	2.75	4.62	7.08	10.6	15.2	20.4	26.0	32.8	41.3	62.6	154	435	936	1390	1741	1904	1934
15	0.03	0.34	1.40	2.99	4.82	7.37	11.0	15.7	20.6	26.0	32.6	41.0	60.5	136	346	708	1066	1350	1484
20	0.18	1.12	2.55	4.20	6.47	9.68	14.1	18.7	23.6	29.6	37.0	46.1	72.8	145	329	600	869	1033	1043
25	0.03	0.31	1.29	2.64	4.30	6.51	9.59	13.6	18.0	22.8	28.1	34.7	43.0	63.2	111	225	379	518	595
30	0.15	0.98	2.16	3.66	5.55	8.12	11.5	15.3	20.0	24.3	29.6	35.6	42.7	50.6	67.1	91.5	119	138	143
35	0.03	0.26	1.10	2.23	3.68	5.49	7.84	10.7	14.3	18.4	22.6	27.0	31.8	37.2	43.3	54.2	67.9	82.6	91.0
40	0.12	0.82	1.80	3.07	4.64	6.51	8.77	11.6	15.2	19.0	22.9	25.8	29.5	32.8	36.2	38.6	40.2	40.9	40.9
45	0.03	0.21	0.88	1.79	2.96	4.35	6.02	7.93	10.4	13.2	16.4	19.3	22.3	25.2	27.7	30.1	31.8	32.8	33.6
50	0.08	0.62	1.37	2.36	3.48	4.79	6.27	8.00	10.00	12.4	14.8	17.5	19.8	21.6	23.1	24.3	25.2	26.0	26.2
55	0.06	0.16	0.67	1.34	2.20	3.19	4.27	5.50	6.88	8.51	10.2	12.1	14.0	15.6	17.0	18.2	19.2	19.8	20.2
60	0.11	0.51	1.01	1.68	2.48	3.30	4.21	5.18	6.31	7.41	8.62	9.79	10.8	11.8	12.8	13.7	14.2	14.2	14.2
65	0.09	0.13	0.48	0.91	1.44	2.08	2.72	3.42	4.18	5.05	5.81	6.72	7.46	8.19	8.87	9.52	10.1	10.3	10.3
70	0.10	0.30	0.62	0.98	1.41	1.88	2.35	2.87	3.43	3.92	4.45	4.86	5.28	5.68	5.96	6.28	6.33	6.39	6.55
75	0.10	0.10	0.25	0.49	0.76	1.06	1.38	1.69	2.05	2.42	2.75	3.10	3.37	3.66	3.93	4.08	4.24	4.29	4.39
80	0.10	0.12	0.27	0.43	0.58	0.74	0.90	1.08	1.26	1.45	1.62	1.77	1.92	2.07	2.14	2.20	2.22	2.31	2.36
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.85V I:2.7112A P:750.60W		
PF:0.9977 Freq:50.01Hz Lamp Flux:93236 lm		
NAME: ASD-SPFL2-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: X100cd

H (DEG) \ V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	3.39	3.33	3.35	3.36	3.29	3.22	3.20	3.17	3.16	3.19	3.27	3.40	3.57	3.72	3.70	2.99	2.20	1.71	
-75	5.59	5.31	5.27	5.14	5.01	4.79	4.56	4.39	4.16	3.96	3.77	3.62	3.55	3.48	3.39	3.13	2.41	1.71	
-70	7.31	7.19	6.99	6.75	6.39	5.99	5.65	5.24	4.84	4.42	4.02	3.72	3.42	3.09	2.75	2.15	1.45	0.93	
-65	10.9	10.7	10.4	9.87	9.26	8.57	7.90	7.20	6.45	5.73	4.99	4.36	3.82	3.29	2.72	2.17	1.55	0.97	
-60	14.2	13.7	13.0	12.0	11.0	10.1	9.07	7.92	6.92	5.86	4.95	4.12	3.39	2.57	1.81	1.20	0.69	0.36	
-55	19.1	18.7	18.1	17.3	16.1	14.8	13.4	11.6	9.97	8.32	6.86	5.58	4.49	3.46	2.49	1.54	0.86	0.41	
-50	23.4	22.8	21.9	20.8	19.2	17.4	14.9	12.6	10.4	8.43	6.69	5.25	3.94	2.79	1.64	0.75	0.26	0.14	
-45	31.2	30.5	29.3	27.6	25.4	23.0	20.5	18.1	15.1	12.3	9.69	7.50	5.72	4.18	2.83	1.59	0.63	0.17	
-40	37.8	36.4	34.0	30.8	27.9	24.6	22.1	18.9	15.2	12.0	9.08	6.86	5.02	3.38	2.04	0.81	0.19	0.08	
-35	76.5	69.3	57.7	47.0	39.2	34.3	29.1	25.0	20.8	17.1	13.2	10.0	7.28	5.12	3.40	1.99	0.73	0.12	
-30	105	83.5	64.1	50.0	42.6	35.5	29.3	24.4	20.5	16.0	12.2	8.70	6.04	4.04	2.48	1.09	0.20	0.07	
-25	506	431	304	172	87.7	54.0	39.4	31.9	26.1	21.3	16.7	12.7	8.81	5.99	3.93	2.36	0.95	0.13	
-20	799	584	328	147	74.5	47.1	37.3	29.8	23.8	19.2	14.9	10.2	6.94	4.55	2.82	1.37	0.23	0.09	
-15	1302	1177	914	591	274	106	53.6	38.5	30.5	24.5	19.4	14.6	10.1	6.75	4.41	2.68	1.14	0.15	
-10	1629	1370	991	508	181	71.8	43.5	34.1	27.3	21.6	16.3	11.5	7.72	5.06	3.20	1.49	0.28	0.12	
-5	1875	1761	1462	1050	526	181	68.2	42.3	33.4	26.8	21.0	15.5	10.9	7.27	4.77	2.85	1.23	0.17	
0	1966	1698	1299	746	273	88.5	46.1	36.1	29.0	22.6	16.9	11.9	8.10	5.31	3.26	1.51	0.34	0.12	
5	1984	1849	1530	1085	544	186	69.4	42.7	33.8	27.1	21.2	15.7	10.9	7.27	4.78	2.82	1.22	0.19	
10	1815	1516	1073	548	198	75.0	44.3	35.0	27.8	21.9	16.6	11.6	7.72	5.08	3.15	1.48	0.36	0.10	
15	1475	1314	1016	646	302	115	55.7	39.7	31.6	25.1	19.7	14.7	10.2	6.80	4.45	2.66	1.17	0.18	
20	902	656	372	171	82.6	49.3	39.1	31.1	24.7	19.6	14.9	10.5	7.06	4.62	2.84	1.37	0.32	0.06	
25	583	490	345	196	99.3	58.5	41.6	33.7	27.3	22.1	17.1	12.7	8.97	6.09	3.99	2.37	1.06	0.15	
30	126	99.2	74.2	54.9	45.4	38.1	31.3	25.8	21.3	16.5	12.3	8.80	6.15	4.09	2.50	1.21	0.27	0.04	
35	90.1	81.2	66.4	53.1	42.8	37.0	31.3	26.5	21.9	17.7	13.5	10.1	7.36	5.19	3.41	2.02	0.91	0.12	
40	40.4	39.1	37.1	33.8	30.7	26.8	23.3	19.8	15.7	12.3	9.18	6.87	5.03	3.38	2.04	1.00	0.21	0.03	
45	33.4	32.8	31.6	29.9	27.5	25.0	21.8	18.8	15.6	12.5	9.77	7.51	5.66	4.12	2.74	1.61	0.73	0.08	
50	25.5	24.6	23.5	22.1	20.3	18.2	15.4	12.9	10.5	8.39	6.64	5.14	3.80	2.63	1.58	0.78	0.15	0.03	
55	20.1	19.7	19.1	18.0	16.8	15.4	13.7	11.7	9.88	8.12	6.57	5.26	4.08	3.01	2.06	1.21	0.57	0.08	
60	14.1	14.1	13.0	12.0	11.0	9.90	8.77	7.55	6.47	5.35	4.38	3.46	2.64	1.84	1.15	0.60	0.14	0.09	
65	10.3	10.2	10.0	9.37	8.75	8.02	7.28	6.47	5.66	4.84	4.01	3.28	2.61	1.95	1.36	0.83	0.39	0.10	
70	6.33	6.23	6.05	5.77	5.38	4.95	4.55	4.04	3.55	3.00	2.47	2.00	1.54	1.09	0.70	0.34	0.10	0.10	
75	4.42	4.27	4.22	4.07	3.88	3.60	3.32	3.05	2.69	2.35	1.99	1.64	1.32	1.01	0.71	0.43	0.20	0.10	
80	2.24	2.22	2.15	2.09	1.95	1.80	1.66	1.49	1.30	1.12	0.95	0.78	0.62	0.45	0.26	0.12	0.10	0.10	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:23 July 2021

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks: