

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1716.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-1.0 degrees horizontal

Beam Spread	At 10% of Imax	76.1V x 73.5H
	At 50% of Imax	40.0V x 39.4H
	At 90% of Imax	14.2V x 15.2H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	826.7 lumens per klm.
	To 50% of Imax	452.9 lumens per klm.
	To 90% of Imax	73.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

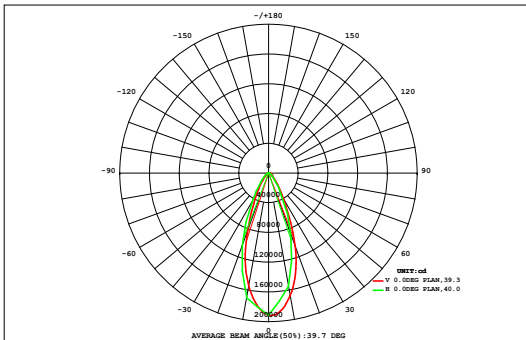
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:148.71lm/W	
MODEL	SPFL7UP-HV-A750D50	Imax(cd)	191702
NOMINAL POWER(W)	750	AVAILABILITY(%)	82.6
RATED VOLTAGE(V)	277	Avai. FLUX(lm)	92255
NOMINAL FLUX(lm)	111654	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	111654
TEST VOLTAGE(V)	277	θ @50% (H,V)	39,40DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.09	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.09	0.00
80	0.04	0.50	2.21	5.86	11.4	18.2	24.8	30.5	34.1	34.3	31.3	26.0	19.3	12.5	6.74	2.74	0.70	0.07	261	0.00
70	0.09	1.39	6.39	16.2	30.3	46.8	62.7	76.5	84.7	85.3	77.8	64.2	48.1	31.6	17.4	7.19	1.74	0.13	659	0.00
60	0.16	2.84	12.3	29.9	54.7	84.0	114	143	162	164	146	117	85.8	56.1	31.2	13.3	3.30	0.23	1219	0.00
50	0.26	4.49	18.7	44.4	81.6	131	195	273	336	342	284	204	135	83.7	46.1	19.8	5.04	0.35	2205	0.00
40	0.38	6.18	24.9	58.9	113	202	366	594	801	820	629	393	214	116	60.6	25.8	6.70	0.48	4432	2256
30	0.48	7.54	29.9	71.4	147	318	691	1294	1927	1987	1406	758	343	154	73.2	31.0	8.16	0.60	9246	7995
20	0.57	8.62	33.8	81.3	182	463	1151	2512	3863	3919	2693	1269	494	189	82.6	34.4	9.13	0.69	16988	15947
10	0.61	9.09	35.2	86.3	206	562	1557	3646	5334	5402	3774	1673	593	212	87.6	35.9	9.63	0.75	23224	22267
0	0.63	9.20	35.3	86.4	208	569	1597	3583	5137	5170	3613	1599	569	205	85.6	35.5	9.48	0.73	22511	21547
-10	0.56	8.61	33.4	80.5	181	456	1160	2464	3586	3592	2428	1114	444	176	80.1	33.8	8.92	0.64	15847	14760
-20	0.46	7.58	30.1	70.7	145	310	651	1176	1699	1654	1084	587	283	137	69.4	29.9	7.72	0.48	7941	6563
-30	0.34	5.91	24.8	57.8	109	187	320	479	582	558	437	292	174	105	57.4	24.9	6.09	0.32	3422	921
-40	0.28	4.32	18.9	44.3	78.1	121	170	218	244	235	200	155	114	76.0	43.1	18.6	4.10	0.22	1745	0.00
-50	0.24	2.88	12.6	30.0	52.8	78.5	103	121	130	128	117	99.9	77.1	52.1	29.5	12.0	2.42	0.14	1050	0.00
-60	0.26	1.93	7.31	17.4	31.0	46.1	60.0	71.3	76.9	76.3	70.2	59.0	45.1	30.0	16.3	6.16	1.23	0.10	617	0.00
-70	0.29	1.33	3.45	7.29	12.6	19.1	25.4	30.4	33.2	33.3	30.2	25.0	18.6	12.0	6.26	2.36	0.61	0.08	261	0.00
-80	0.19	0.57	0.83	1.06	1.42	1.95	2.51	2.94	3.15	3.04	2.60	2.01	1.39	0.85	0.44	0.22	0.14	0.02	25.3	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	0.00
HORIZONTAL(DEG)																				
Φ t	5.84	83.0	330	790	1645	3613	8251	16714	24032	24202	17023	8436	3660	1650	794	333	85.1	6.04	111654	---
Φ a	0.00	0.00	0.00	0.00	4.44	1435	6561	15171	22553	22674	15477	6868	1512	0.00	0.00	0.00	0.00	0.00	---	92255

one-half-peak spread: U:18.8,D:21.5 , L:20.2,R:19.4

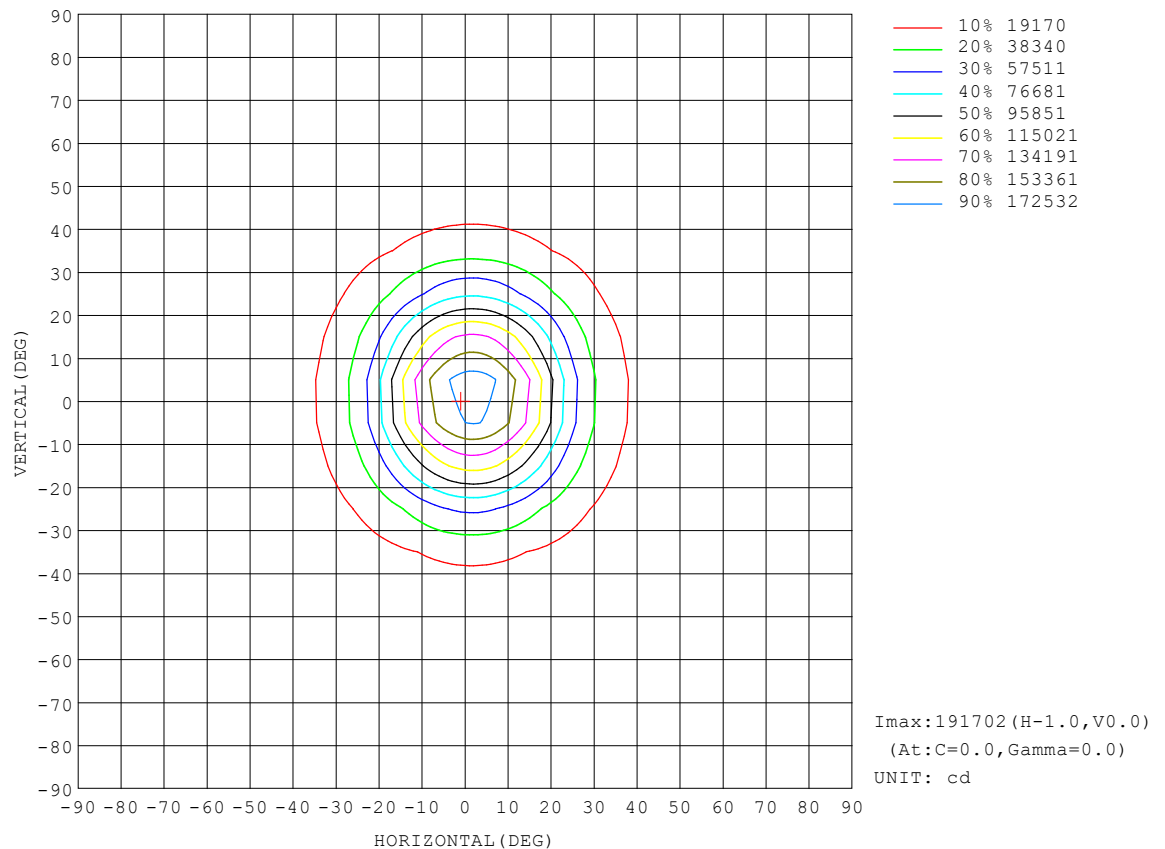
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
MFR.: ASD LIGHTING CORP		

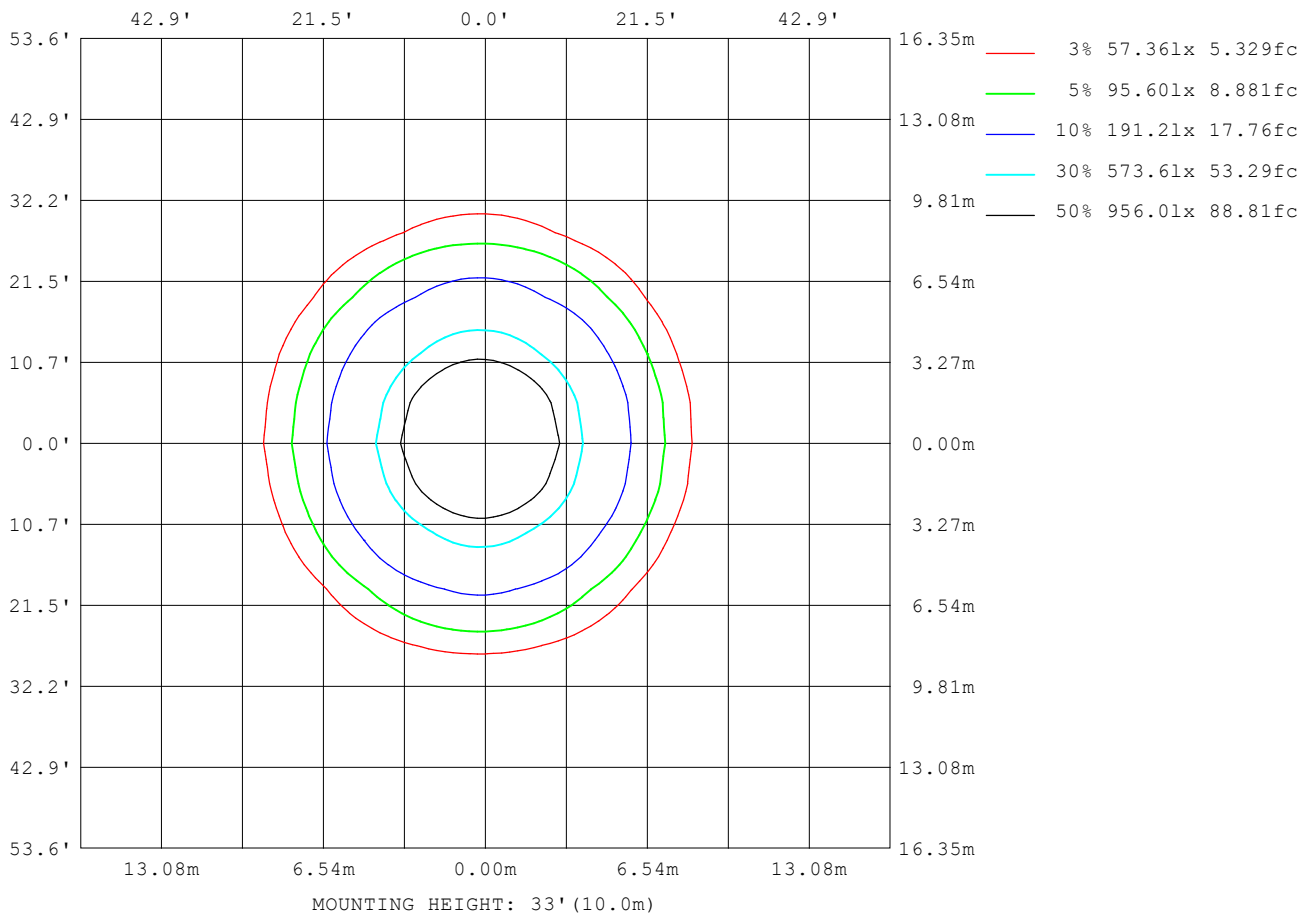


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

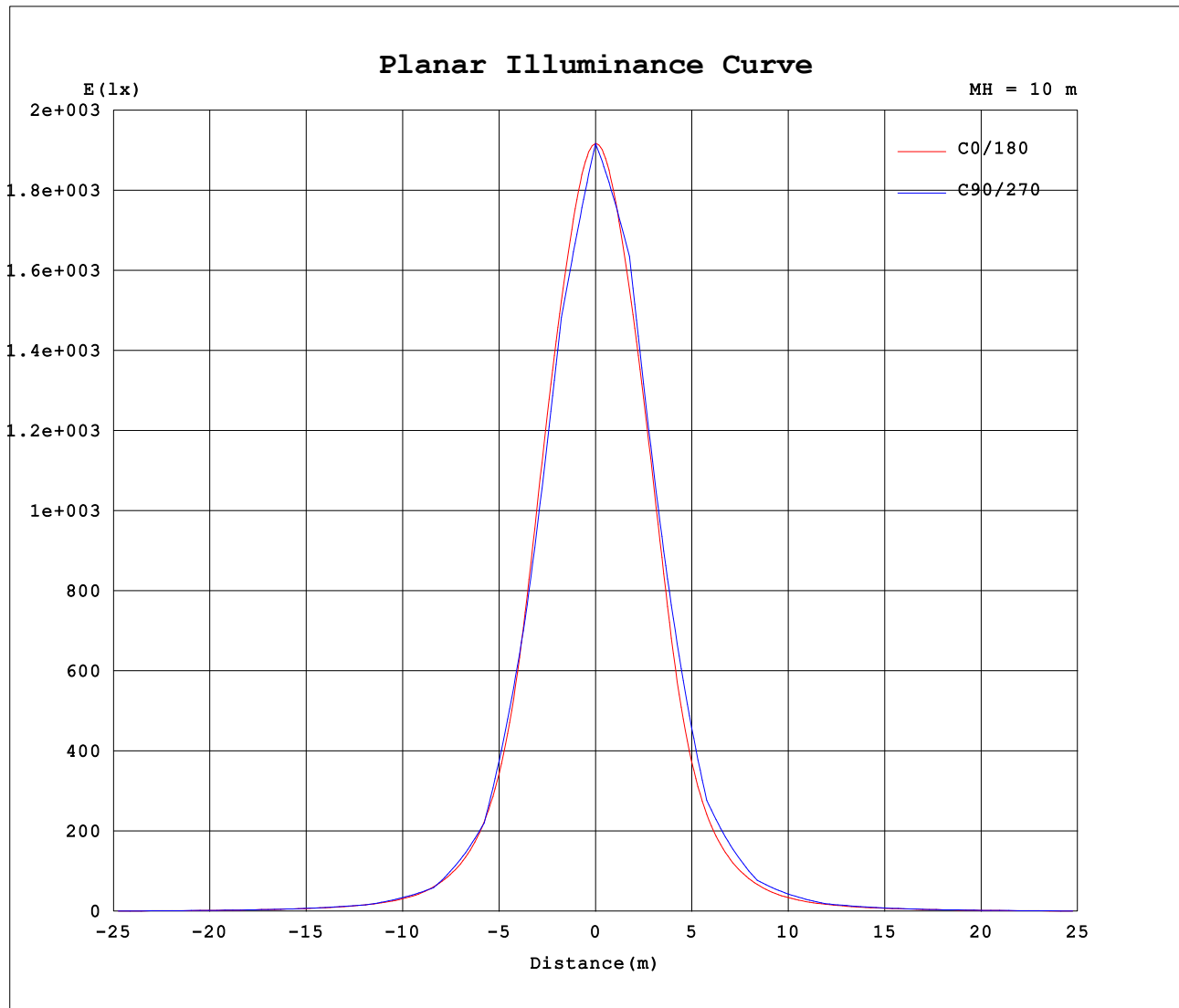
Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
MFR.: ASD LIGHTING CORP		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve

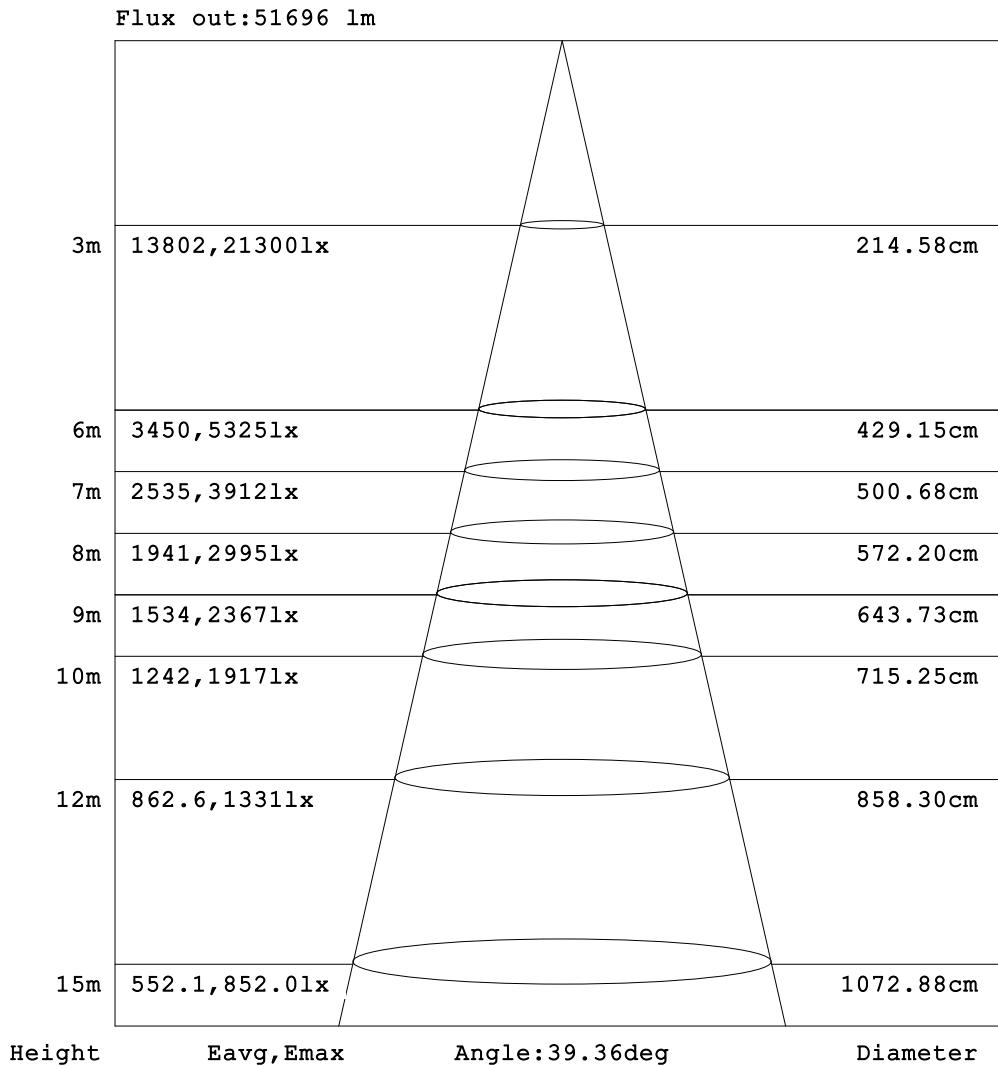


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

AAI Figure

Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
MFR.: ASD LIGHTING CORP		



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

H(β) Range: -90 - 90 DEG
H(β) Interval: 1.0 DEG
Test Speed: HIGH
Temperature: 25.3 DEG
Operators: S
Test Date: 24 July 2025

V(B) Range: -80 - 80 DEG
V(B) Interval: 5.0 DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
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	0.45	1.23	1.39	1.47	1.54	1.67	1.86	2.13	2.44	2.80	3.19	3.58	3.94	4.30	4.57	4.83	5.03	5.13	5.14
-75	0.07	0.79	1.25	1.51	1.86	2.41	3.15	3.96	4.87	5.76	6.70	7.66	8.53	9.30	10.1	10.6	11.1	11.4	11.6
-70	0.38	1.11	1.40	1.93	2.81	4.00	5.38	6.87	8.38	9.82	11.3	12.8	14.0	15.2	16.3	17.0	17.7	18.0	18.0
-65	0.05	0.65	1.15	1.81	3.03	4.77	6.85	9.10	11.4	13.6	15.8	17.9	19.9	21.6	23.2	24.7	25.6	26.3	26.7
-60	0.29	0.89	1.57	3.01	5.25	7.97	11.0	14.0	17.1	20.0	22.7	25.5	27.8	29.9	32.2	33.3	34.6	35.2	35.2
-55	0.05	0.48	1.11	2.47	4.91	8.22	11.9	15.8	19.5	23.3	27.0	30.7	34.3	37.6	40.7	43.9	46.0	47.8	48.6
-50	0.20	0.75	2.03	4.60	8.41	12.9	17.5	22.0	26.5	31.1	35.6	40.3	44.7	49.1	53.3	56.9	59.8	61.6	61.9
-45	0.06	0.36	1.28	3.59	7.46	12.4	17.8	23.1	28.5	34.2	40.0	46.6	53.9	62.0	70.9	79.9	88.1	94.3	97.3
-40	0.15	0.81	2.92	6.88	12.3	18.4	24.5	30.6	37.3	44.2	52.1	61.6	72.5	85.5	99.3	113	124	132	133
-35	0.06	0.31	1.61	5.04	10.4	16.6	23.3	30.1	37.7	46.5	56.5	69.3	87.0	110	138	168	198	223	236
-30	0.13	0.93	3.90	9.21	15.8	22.8	30.1	38.3	48.5	60.4	75.0	97.0	128	168	213	260	304	333	339
-25	0.07	0.30	2.16	6.69	13.1	20.2	27.9	36.3	46.3	59.5	77.5	105	147	205	280	371	472	561	606
-20	0.12	1.22	5.25	11.5	18.7	26.8	35.7	45.6	58.9	78.6	110	160	231	328	453	603	754	855	877
-15	0.08	0.32	2.78	7.96	14.8	22.6	31.3	41.2	53.4	71.3	101	149	224	339	506	727	948	1120	1209
-10	0.10	1.58	5.99	12.4	20.1	28.7	38.4	50.4	67.3	95.2	144	221	344	537	818	1125	1365	1514	1550
-5	0.08	0.40	3.19	8.54	15.6	23.8	33.0	43.7	58.0	80.0	119	183	286	455	723	1072	1375	1599	1724
0	0.11	1.82	6.31	12.9	20.8	29.7	39.9	52.8	72.3	105	164	259	410	668	1046	1403	1673	1864	1912
5	0.08	0.46	3.23	8.54	15.6	23.9	33.2	44.0	58.5	81.0	121	187	292	467	746	1112	1440	1677	1804
10	0.12	1.70	5.99	12.4	20.1	28.9	39.0	51.2	68.8	98.5	150	232	363	573	881	1235	1513	1674	1707
15	0.08	0.43	3.04	8.05	14.8	22.8	31.8	41.9	54.8	74.0	107	160	242	370	558	811	1071	1271	1370
20	0.12	1.58	5.58	11.5	18.9	27.2	36.2	47.0	61.6	83.4	120	178	263	377	529	708	888	1014	1036
25	0.08	0.39	2.66	7.10	13.2	20.5	28.5	37.3	48.1	62.5	83.4	117	167	238	329	440	563	673	731
30	0.11	1.27	4.60	9.69	16.1	23.2	31.0	39.9	50.9	64.1	82.9	112	153	203	260	319	377	418	426
35	0.08	0.33	2.11	5.78	10.9	17.0	23.7	31.1	39.3	49.3	61.0	77.5	101	131	167	207	247	281	299
40	0.10	1.00	3.62	7.73	12.8	18.8	25.1	31.8	39.4	47.8	57.5	68.9	83.5	102	122	142	160	171	173
45	0.08	0.26	1.52	4.27	8.16	12.8	18.2	23.8	29.7	36.4	43.3	51.1	60.4	71.1	83.3	96.5	109	118	123
50	0.08	0.66	2.39	5.27	8.91	13.3	17.8	22.7	27.9	33.2	38.3	44.1	49.7	55.0	60.7	65.9	70.3	72.9	73.5
55	0.08	0.19	0.95	2.71	5.29	8.53	12.2	16.0	20.2	24.5	28.7	32.9	37.4	41.2	45.4	49.2	52.5	55.0	56.3
60	0.08	0.42	1.38	3.10	5.41	8.10	11.1	14.4	17.6	21.0	24.1	27.3	29.7	32.3	35.0	36.5	38.0	38.9	39.4
65	0.08	0.13	0.52	1.40	2.79	4.63	6.66	8.99	11.4	14.0	16.4	18.9	20.9	22.8	24.9	26.5	27.7	28.6	29.1
70	0.08	0.23	0.58	1.27	2.29	3.55	4.98	6.57	8.25	9.92	11.6	13.1	14.4	15.8	17.0	17.8	18.7	19.0	19.0
75	0.08	0.09	0.23	0.54	1.02	1.69	2.49	3.43	4.42	5.50	6.54	7.61	8.48	9.37	10.2	10.8	11.4	11.8	11.9
80	0.08	0.09	0.20	0.33	0.52	0.77	1.10	1.47	1.90	2.33	2.78	3.19	3.58	3.96	4.25	4.51	4.77	4.83	4.86
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:278.20V I:2.7084A P:750.83W PF:0.9965 Freq:50.04Hz		
Lamp Flux:111654x1 lm		
NAME: ASD-SPFL7UP-HV-A750D50	TYPE: SPFL7UP-HV	
SPEC.: 750W 40D		
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	5.11	4.96	4.72	4.45	4.11	3.73	3.34	2.90	2.47	2.04	1.62	1.27	0.97	0.76	0.56	0.38	0.19	0.10	
-75	11.6	11.4	11.0	10.5	9.85	9.06	8.26	7.35	6.35	5.34	4.32	3.30	2.38	1.58	1.00	0.58	0.32	0.12	
-70	17.9	17.4	16.6	15.8	14.6	13.4	12.1	10.6	9.03	7.42	5.78	4.20	2.78	1.66	0.89	0.45	0.20	0.11	
-65	26.5	26.1	25.2	24.2	22.6	20.9	19.2	17.1	15.0	12.7	10.4	7.97	5.66	3.57	1.94	0.90	0.37	0.13	
-60	34.7	33.8	32.5	30.8	28.6	26.4	24.0	21.1	18.2	15.2	12.1	8.94	5.96	3.39	1.60	0.60	0.21	0.11	
-55	48.3	47.0	45.0	42.5	39.4	36.3	33.0	29.3	25.7	21.9	18.1	14.3	10.4	6.80	3.62	1.49	0.47	0.14	
-50	60.6	57.9	54.7	50.6	46.5	42.5	37.6	33.2	28.7	24.1	19.5	14.9	10.5	6.18	2.79	0.92	0.25	0.13	
-45	96.3	91.5	84.3	75.4	66.5	58.1	50.5	43.8	37.8	32.0	26.4	21.0	15.8	10.7	5.97	2.37	0.64	0.17	
-40	127	117	104	89.4	76.2	64.5	55.3	47.1	39.9	33.1	26.8	20.8	14.9	9.39	4.40	1.37	0.31	0.18	
-35	233	215	187	157	127	101	79.1	63.6	52.2	43.0	34.8	27.5	20.9	14.5	8.61	3.66	0.91	0.25	
-30	319	281	235	188	145	109	83.3	65.6	53.3	42.7	33.9	26.2	19.0	12.4	6.53	2.02	0.43	0.29	
-25	597	532	437	337	250	181	128	92.1	68.8	53.7	42.2	33.1	25.0	17.6	10.8	5.10	1.33	0.37	
-20	808	673	518	378	267	185	126	87.6	65.0	50.1	39.2	30.0	21.8	14.4	7.93	2.92	0.59	0.44	
-15	1194	1076	883	653	445	294	194	128	87.0	63.2	48.2	37.2	28.1	19.7	12.3	6.17	1.87	0.50	
-10	1460	1262	977	668	428	273	176	114	77.6	56.9	43.5	33.1	24.0	15.9	8.93	3.65	0.79	0.58	
-5	1704	1544	1289	954	621	387	244	156	100	69.8	51.7	39.3	29.5	20.8	13.1	6.68	2.23	0.57	
0	1783	1542	1217	823	508	313	197	125	82.3	59.0	44.1	33.4	24.4	16.2	9.13	3.77	0.92	0.60	
5	1781	1616	1346	990	641	398	251	160	102	70.7	52.2	39.6	29.6	20.9	13.2	6.71	2.27	0.56	
10	1609	1387	1062	717	456	289	186	119	80.0	58.3	44.1	33.3	24.2	16.1	9.05	3.71	0.88	0.50	
15	1349	1215	993	728	492	322	211	137	91.8	65.4	49.4	38.0	28.4	20.0	12.5	6.32	2.08	0.45	
20	954	791	608	440	307	209	140	95.0	68.6	51.7	40.2	30.8	22.2	14.6	8.13	3.25	0.70	0.34	
25	717	638	521	402	295	210	146	102	74.2	56.5	43.6	34.0	25.5	17.9	11.1	5.53	1.75	0.32	
30	400	349	290	231	176	129	94.0	71.9	57.1	44.7	34.8	26.8	19.4	12.7	6.99	2.76	0.55	0.21	
35	295	270	233	194	155	119	90.9	70.2	56.4	45.7	36.2	28.3	21.3	14.9	9.10	4.48	1.37	0.22	
40	165	149	130	109	89.7	73.8	61.1	50.7	42.6	34.9	27.8	21.3	15.3	9.89	5.34	2.04	0.40	0.14	
45	122	115	104	91.5	78.5	66.4	56.4	47.6	40.3	33.9	27.6	21.8	16.3	11.2	6.79	3.27	0.99	0.16	
50	72.1	68.0	63.5	57.9	52.0	46.6	40.8	35.4	30.4	25.2	20.2	15.5	11.0	7.06	3.73	1.40	0.30	0.11	
55	56.1	54.5	51.4	48.5	43.9	39.8	35.8	31.3	27.1	23.0	18.8	14.8	11.0	7.48	4.45	2.10	0.65	0.11	
60	38.6	37.2	36.2	33.4	30.8	28.3	25.3	22.1	19.1	15.7	12.5	9.43	6.64	4.13	2.12	0.79	0.19	0.07	
65	29.1	28.5	27.3	26.3	24.2	22.2	20.3	17.9	15.5	13.1	10.6	8.25	6.03	4.03	2.35	1.10	0.38	0.09	
70	18.8	18.3	17.5	16.6	15.2	13.9	12.5	10.7	9.14	7.50	5.86	4.34	2.98	1.81	0.94	0.41	0.13	0.09	
75	11.9	11.7	11.3	10.8	10.0	9.14	8.30	7.33	6.25	5.23	4.21	3.20	2.31	1.53	0.90	0.46	0.20	0.09	
80	4.81	4.67	4.42	4.17	3.81	3.41	3.03	2.58	2.14	1.73	1.32	0.97	0.67	0.45	0.29	0.16	0.09	0.09	
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:24 July 2025

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

50% Beam Angle : 39°-H X 40°-V

one-half-peak spread: U:18.8,D:21.5 , L:20.2,R:19.4

TOTAL FLUX : 111654 lm

LOR : 100.0%

AVAILABILITY FLUX : 92255 lm

AVAILABILITY : 82.6%

