

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	967.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-6.0 degrees horizontal

Beam Spread	At 10% of Imax	98.2V x 98.9H
	At 50% of Imax	57.1V x 57.9H
	At 90% of Imax	23.9V x 26.7H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	902.3 lumens per klm.
	To 50% of Imax	557.6 lumens per klm.
	To 90% of Imax	135.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

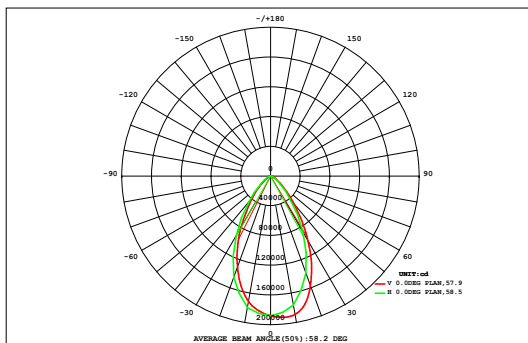
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-20

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:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	TYPE:	
MFR.: ASD LIGHTING CORP		
SPEC.: 1300W 60D		



DATA OF LAMP		Eff:151.06lm/W	
ASD-SPFL7-HV-A1300D50		Imax (cd)	190794
NOMINAL POWER (W)	1300	AVAILABILITY (%)	90.4
RATED VOLTAGE (V)	480	Avai. FLUX (lm)	178426
NOMINAL FLUX (lm)	197297	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	197297
TEST VOLTAGE (V)	480	θ @50% (H,V)	58,57DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	6.10	12.6	21.2	31.2	41.9	52.2	62.3	68.7	72.4	72.5	68.8	62.5	52.8	43.0	31.8	21.2	12.3	5.84	739	0.00
72	6.10	12.6	21.2	31.2	41.9	52.2	62.3	68.7	72.4	72.5	68.8	62.5	52.8	43.0	31.8	21.2	12.3	5.84	739	0.00
64	9.42	19.6	33.7	51.0	71.5	91.7	113	129	139	139	130	116	94.6	74.8	53.3	34.8	20.1	9.60	1330	0.00
56	12.3	26.3	47.5	75.5	114	163	216	266	297	302	274	230	176	129	85.1	53.3	29.7	14.1	2511	89.8
48	15.7	34.2	64.4	111	182	289	413	528	606	614	554	444	324	213	129	74.9	39.0	18.0	4653	3208
40	21.2	46.5	92.3	176	317	530	783	1010	1157	1147	998	767	523	314	177	92.0	44.7	19.8	8217	7311
32	24.6	56.3	120	260	504	865	1323	1749	1984	1941	1654	1224	797	472	243	115	54.1	23.1	13410	12738
24	26.1	63.9	148	339	691	1249	1933	2508	2798	2757	2405	1825	1175	661	336	150	65.9	27.2	19158	18591
	26.0	64.9	158	378	803	1507	2344	3045	3372	3330	2962	2317	1547	865	431	188	77.2	30.6	23446	22931
	27.4	69.0	173	421	905	1716	2639	3391	3687	3605	3230	2546	1719	958	466	200	78.5	30.7	25861	25384
	31.3	79.3	204	485	1029	1872	2787	3461	3660	3541	3136	2412	1581	850	405	167	67.0	26.7	25795	25316
	29.6	74.5	183	424	875	1603	2426	3080	3364	3266	2861	2206	1446	787	384	163	66.8	26.8	23264	22760
-24	25.7	61.9	138	313	626	1141	1806	2382	2690	2664	2349	1797	1180	677	339	152	65.4	26.9	18432	17856
-32	21.7	51.3	108	228	443	767	1199	1618	1877	1893	1661	1268	843	500	263	123	57.3	24.9	12945	12269
-40	19.0	44.4	89.5	172	309	504	742	974	1122	1124	968	735	499	306	170	88.6	45.0	20.5	7932	7027
-48	17.5	39.5	75.4	127	205	315	418	508	546	529	459	365	254	158	100	60.1	32.3	14.5	4223	2781
-56	12.4	28.4	50.8	78.7	114	148	192	227	253	251	228	188	148	107	73.6	47.4	26.3	11.6	2184	165
-64	8.12	18.9	33.8	51.6	70.6	89.1	108	122	134	136	128	114	93.1	73.3	52.2	35.0	20.0	9.12	1298	0.00
-72	5.18	12.0	21.6	32.6	43.7	53.1	62.8	68.6	72.0	72.1	68.4	63.0	53.3	43.7	33.1	22.7	13.3	6.28	748	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	339	803	1762	3754	7346	12953	19568	25134	27831	27386	24137	18679	12505	7231	3772	1787	815	346	196148	---
Φ a	0.00	0.00	292	2363	6219	11982	18625	24221	26947	26503	23185	17703	11545	6133	2415	292	0.00	0.00	---	178426

one-half-peak spread: U:28.1,D:29.5 , L:25.2,R:33.1

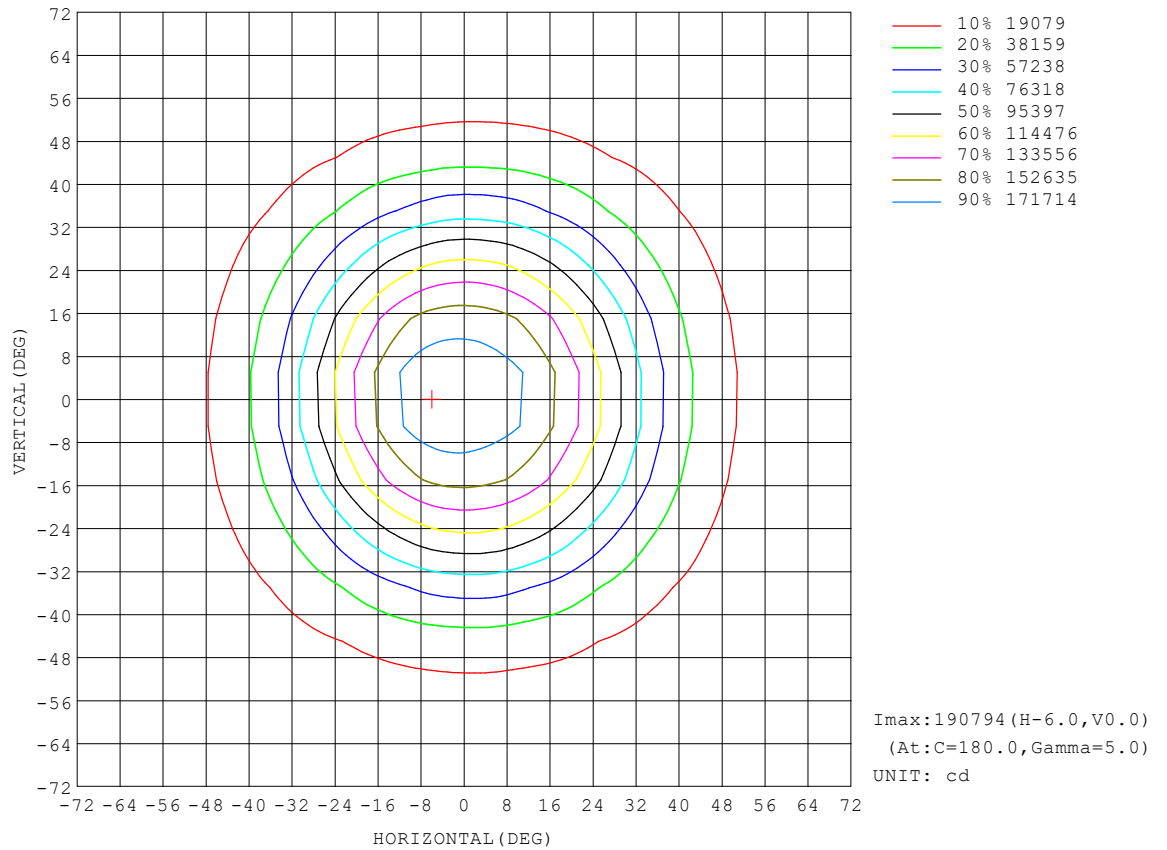
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-20

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:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	TYPE:	
MFR.: ASD LIGHTING CORP		

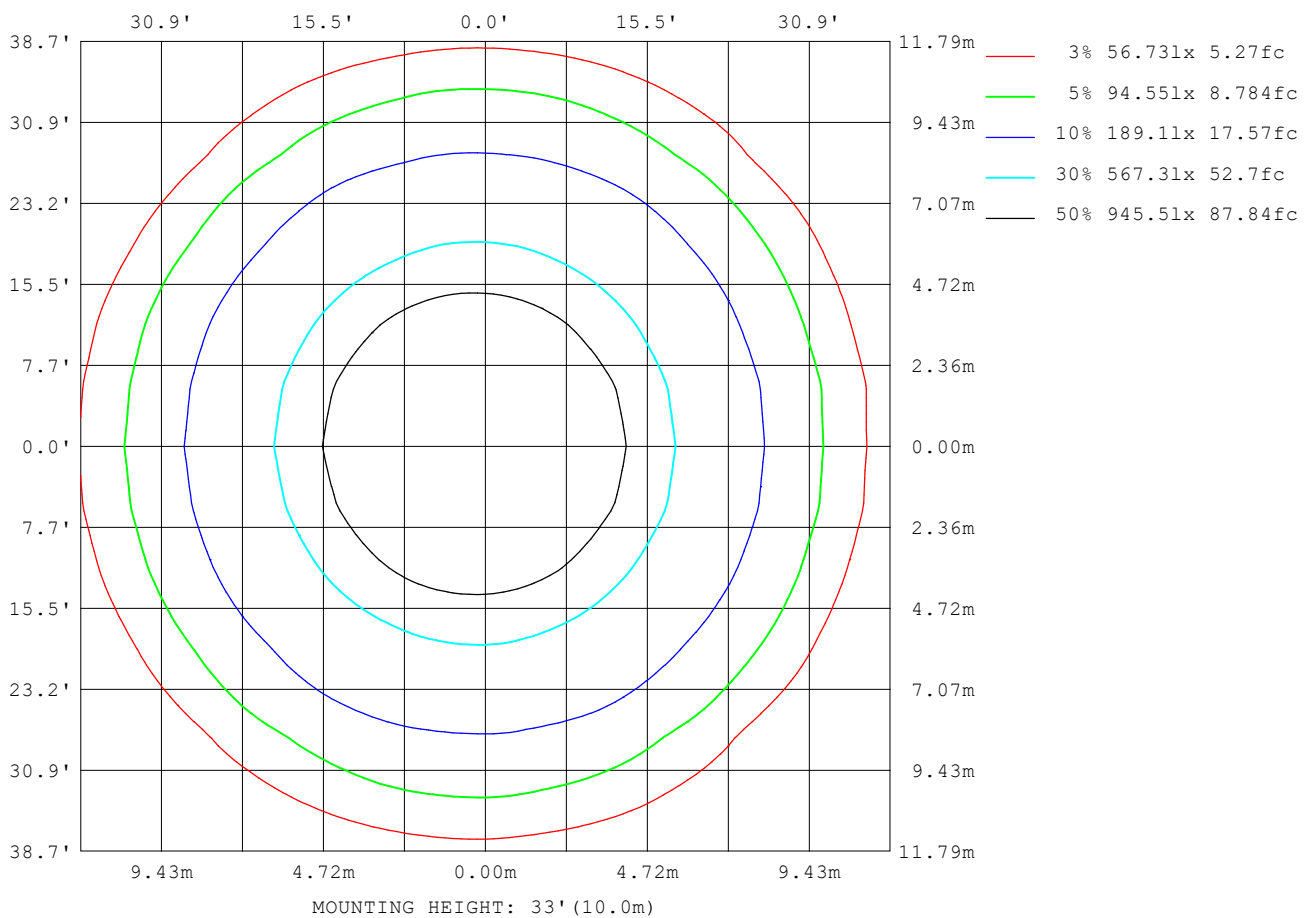


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-20

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

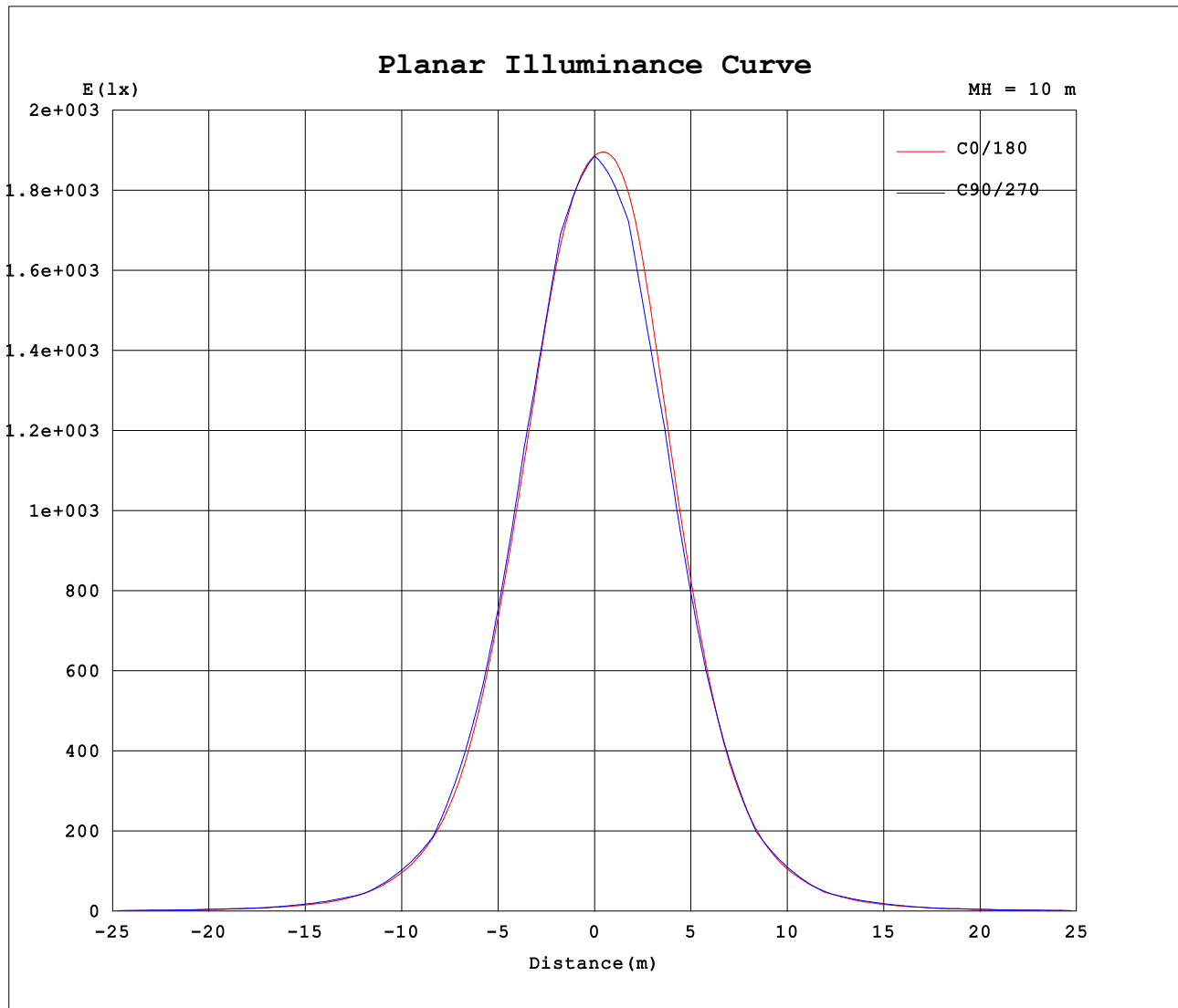
Test:U:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	TYPE:	
MFR.: ASD LIGHTING CORP		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-20

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

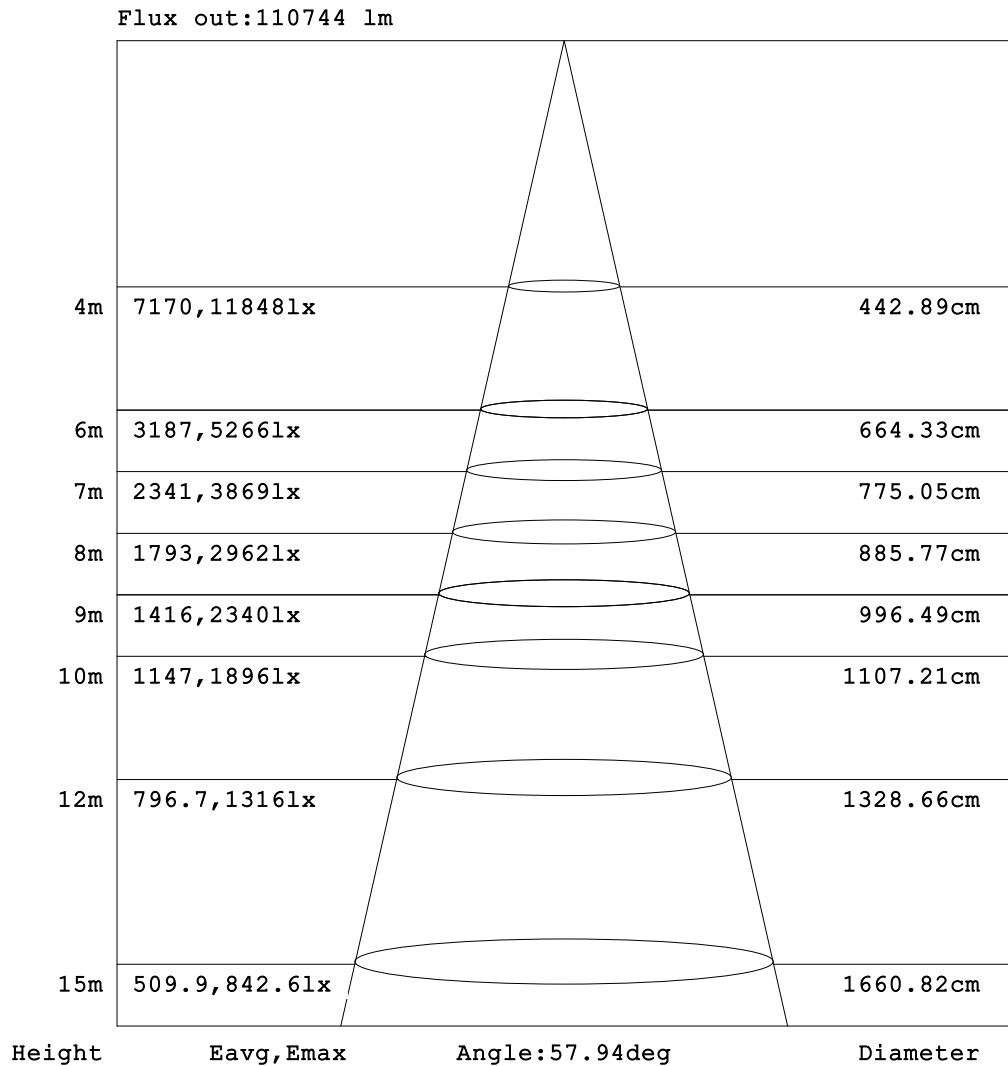


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-20

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:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	TYPE:	
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: 2024-8-20

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:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	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	0.94	1.24	1.77	2.29	3.10	4.07	5.16	6.35	7.49	8.50	9.45	10.2	11.0	12.0	12.7	13.3	13.6	13.8	13.7
-75	0.82	0.95	1.58	2.49	3.74	5.44	7.44	9.55	11.7	13.7	15.5	17.1	18.4	19.8	21.3	22.4	23.0	23.5	23.7
-70	0.72	1.39	2.43	4.05	6.34	9.15	12.3	15.4	18.4	21.1	23.6	25.6	27.3	29.5	31.2	32.3	32.9	33.6	33.5
-65	0.60	0.91	1.97	3.82	6.60	10.2	14.4	18.8	23.2	27.4	31.6	35.4	38.5	41.6	45.3	48.1	49.2	51.0	52.3
-60	0.56	1.58	3.51	6.70	11.0	16.2	21.9	27.6	33.0	38.7	44.4	49.1	53.1	58.3	63.2	65.5	67.2	70.6	70.6
-55	0.43	0.91	2.50	5.60	10.3	16.1	22.9	30.4	38.0	45.8	54.5	64.5	73.6	82.3	93.5	104	110	117	121
-50	0.47	1.83	4.82	9.78	16.4	24.0	32.8	42.3	52.2	62.8	76.6	91.0	104	119	137	151	161	169	171
-45	0.34	0.93	3.24	7.84	14.7	23.0	32.6	43.8	57.1	72.4	90.8	115	144	176	207	238	265	283	291
-40	0.43	2.31	6.59	13.6	22.7	33.2	45.4	60.7	79.7	103	133	173	223	270	315	358	393	409	414
-35	0.29	0.98	4.11	10.4	19.3	30.2	42.6	58.0	79.5	110	150	204	269	344	425	504	574	623	643
-30	0.42	2.71	8.43	17.4	28.6	41.7	57.4	79.0	114	162	230	310	404	513	632	735	821	866	874
-25	0.25	1.08	5.21	13.3	23.8	36.6	52.5	73.8	106	159	232	328	448	594	754	906	1026	1107	1137
-20	0.45	3.43	10.9	21.4	33.9	49.6	71.5	104	156	239	345	485	663	867	1065	1227	1341	1394	1392
-15	0.23	1.19	6.61	15.8	26.9	40.9	60.1	88.4	134	210	314	457	645	874	1108	1316	1473	1566	1590
-10	0.44	4.19	12.9	23.1	35.9	53.4	79.6	123	195	299	444	644	897	1167	1410	1608	1734	1782	1761
-5	0.22	1.47	7.91	17.1	28.2	42.7	63.4	95.8	152	243	369	548	789	1069	1341	1581	1754	1833	1840
0	0.46	5.50	13.6	23.8	36.9	54.8	81.8	129	210	326	493	728	1014	1304	1572	1783	1890	1906	1878
5	0.20	1.85	8.31	17.1	28.1	42.5	62.9	94.9	151	244	371	554	801	1086	1359	1600	1776	1851	1854
10	0.58	5.29	13.1	23.0	35.6	52.7	78.0	121	194	302	453	663	929	1203	1447	1649	1775	1809	1796
15	0.17	1.98	7.93	16.4	26.9	40.5	59.3	87.6	135	212	322	472	671	910	1150	1362	1524	1612	1634
20	0.62	5.05	12.4	21.8	33.6	49.1	71.1	105	159	246	359	508	695	910	1117	1285	1399	1452	1448
25	0.19	1.84	7.21	15.0	24.5	36.4	52.0	73.6	107	161	239	341	468	625	793	955	1080	1165	1194
30	0.53	4.36	10.8	19.0	28.9	41.3	57.0	78.3	113	165	236	320	425	541	670	785	874	926	927
35	0.23	1.60	6.17	12.8	20.9	30.5	42.1	57.0	78.2	110	153	208	278	360	447	538	608	665	687
40	0.49	3.71	9.09	15.9	23.9	33.1	44.2	58.9	78.5	104	134	176	229	282	337	380	415	442	442
45	0.25	1.32	4.95	10.2	16.6	23.9	32.2	42.4	55.5	71.5	90.2	114	147	182	218	253	279	302	313
50	0.40	2.79	6.80	11.9	17.9	24.4	31.9	40.8	50.9	60.8	73.5	90.0	107	124	143	160	171	181	184
55	0.27	1.00	3.60	7.37	12.0	17.1	22.8	29.3	36.6	44.1	52.0	62.2	73.4	84.0	95.7	108	116	122	128
60	0.35	1.98	4.68	8.14	12.2	16.5	21.3	26.4	31.4	36.5	42.2	47.8	52.6	57.7	63.3	67.0	68.5	71.9	73.2
65	0.27	0.69	2.32	4.63	7.48	10.7	14.2	18.0	21.8	25.6	29.5	33.6	37.2	40.4	44.4	47.6	49.2	50.5	52.5
70	0.28	1.15	2.59	4.45	6.60	9.01	11.6	14.2	16.8	19.3	21.7	23.8	25.6	27.8	29.6	30.6	31.2	31.8	32.0
75	0.28	0.40	1.18	2.26	3.59	5.11	6.78	8.53	10.3	12.0	13.6	15.2	16.5	17.8	19.2	20.2	20.7	21.0	21.4
80	0.28	0.49	0.99	1.62	2.35	3.18	4.05	4.93	5.81	6.67	7.47	8.18	8.84	9.54	10.1	10.4	10.6	10.7	10.7
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:2024-8-20

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:482.45V I:2.7131A P:1306.1W PF:0.9978 Freq:50.02Hz		
Lamp Flux:197297x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	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	13.4	13.1	12.7	12.1	11.3	10.5	9.84	9.03	8.17	7.15	5.89	4.85	4.20	3.50	2.76	2.06	1.46	1.34	
-75	23.4	23.0	22.5	21.7	20.4	18.9	17.6	16.2	14.6	12.9	10.9	8.84	6.91	5.33	3.89	2.68	1.79	1.15	
-70	32.9	32.3	31.4	29.8	27.6	25.7	23.7	21.5	19.0	16.4	13.4	10.4	7.73	5.38	3.48	2.17	1.18	0.86	
-65	51.4	49.6	48.7	46.2	42.6	39.1	36.0	32.3	28.4	24.7	20.8	16.7	12.6	8.89	5.67	3.35	1.85	0.84	
-60	67.4	66.0	63.4	58.5	53.2	48.9	43.9	38.5	33.4	28.5	23.3	18.0	12.9	8.32	4.85	2.55	1.16	0.64	
-55	119	114	108	98.5	86.9	77.1	67.1	56.8	48.2	41.0	33.6	26.6	20.1	14.0	8.49	4.43	2.11	0.73	
-50	164	155	142	124	108	93.6	77.8	64.2	54.4	44.6	35.3	27.2	19.8	12.7	6.79	3.21	1.23	0.55	
-45	290	272	253	225	191	159	126	99.4	79.8	63.3	49.1	37.6	28.3	20.0	12.2	5.94	2.44	0.75	
-40	397	367	333	286	236	184	141	110	85.1	64.5	48.3	36.3	26.7	17.6	9.51	3.80	1.36	0.61	
-35	639	598	541	468	385	309	236	178	130	93.9	67.7	50.0	36.8	26.1	16.5	8.15	2.87	0.86	
-30	839	762	666	548	442	342	260	187	129	89.7	64.3	46.9	33.6	22.8	13.0	5.08	1.49	0.73	
-25	1122	1059	956	821	669	521	391	286	199	133	90.4	63.4	44.8	31.2	20.3	10.8	3.58	1.01	
-20	1341	1238	1093	910	716	536	391	276	184	122	81.1	56.2	38.8	26.0	15.9	6.82	1.71	0.89	
-15	1559	1485	1353	1177	975	757	554	391	269	175	113	74.9	51.1	34.8	22.7	12.9	4.77	1.15	
-10	1701	1587	1409	1205	972	726	511	352	237	148	94.5	62.8	42.5	28.3	17.5	8.61	2.02	0.98	
-5	1800	1725	1586	1390	1163	912	663	458	312	203	126	81.0	54.4	36.7	23.9	13.9	5.80	1.27	
0	1821	1714	1536	1306	1056	792	554	378	252	156	97.2	64.4	43.4	28.7	17.8	9.05	2.52	0.98	
5	1818	1738	1599	1400	1168	915	667	462	314	206	128	82.6	55.2	37.0	24.0	14.0	6.08	1.32	
10	1731	1611	1433	1219	978	732	519	358	243	153	98.6	65.0	43.4	28.6	17.6	8.95	2.72	0.81	
15	1604	1521	1385	1204	994	771	565	399	276	182	118	78.2	52.9	35.6	23.0	13.4	5.83	1.25	
20	1391	1279	1128	941	741	553	401	284	192	126	85.1	58.4	40.0	26.6	16.3	8.19	2.48	0.60	
25	1174	1108	998	859	699	543	408	297	209	141	95.4	66.7	46.9	32.3	21.0	12.1	5.23	1.08	
30	891	811	708	586	467	364	276	200	140	96.7	68.3	49.4	35.2	23.7	14.6	7.27	2.18	0.39	
35	678	642	576	498	412	330	255	192	141	102	72.9	53.0	38.7	27.4	18.1	10.4	4.43	0.87	
40	430	398	352	305	256	203	156	120	92.8	70.1	52.0	38.3	28.1	19.4	12.0	5.90	1.72	0.30	
45	310	297	271	241	207	174	140	110	87.0	68.7	52.9	39.9	29.9	21.6	14.4	8.29	3.53	0.67	
50	178	168	155	137	118	104	87.8	71.4	58.7	47.9	37.6	28.7	21.4	14.9	9.22	4.56	1.36	0.27	
55	127	122	116	107	94.4	83.6	74.0	63.0	52.3	43.6	35.5	28.0	21.4	15.7	10.5	6.05	2.60	0.51	
60	70.5	68.0	66.6	62.1	56.4	52.2	47.3	41.3	35.1	29.5	24.2	19.1	14.3	10.0	6.21	3.10	0.98	0.31	
65	52.3	50.2	49.3	47.5	44.0	40.5	37.6	33.9	29.6	25.3	21.2	17.2	13.3	9.79	6.60	3.84	1.70	0.39	
70	31.6	31.0	30.4	29.0	27.2	25.5	23.7	21.4	18.7	16.0	13.3	10.6	7.99	5.62	3.54	1.83	0.65	0.30	
75	21.4	21.0	20.6	20.0	19.0	17.7	16.6	15.3	13.7	11.9	10.1	8.23	6.44	4.76	3.25	1.94	0.94	0.32	
80	10.7	10.5	10.2	9.82	9.25	8.66	8.07	7.31	6.43	5.52	4.62	3.72	2.84	2.04	1.33	0.77	0.35	0.30	
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:2024-8-20

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 : 58°-H X 57°-V

one-half-peak spread: U:28.1,D:29.5 , L:25.2,R:33.1

TOTAL FLUX : 197297 lm

LOR : 100.0%

AVAILABILITY FLUX : 178426 lm

AVAILABILITY : 90.4%

