

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

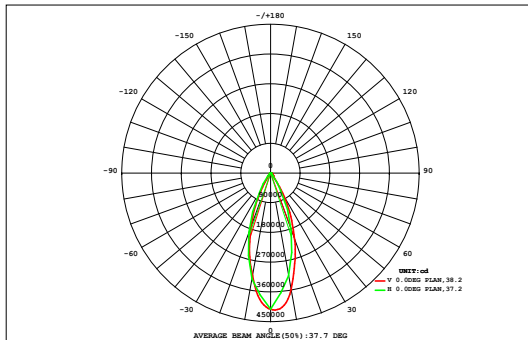
Maximum Intensity		2095.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-2.0 degrees horizontal
Beam Spread	At 10% of Imax	68.1V x 64.8H
	At 50% of Imax	36.9V x 38.2H
	At 90% of Imax	8.3V x 14.8H
Beam Flux	Total	998.9 lumens per klm.
	To 10% of Imax	858.5 lumens per klm.
	To 50% of Imax	480.5 lumens per klm.
	To 90% of Imax	56.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-25

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:484.01V I:2.7063A P:1307.1W PF:0.9979 Freq:49.97Hz Lamp Flux:197827x1 lm		
NAME: ASD-SPFL7-HV-A1300D50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGTHING CORP	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:151.35lm/W	
MODEL	ASD-SPFL7-HV-A1300D50	Imax(cd)	414460
NOMINAL POWER(W)	1300	AVAILABILITY(%)	87.0
RATED VOLTAGE(V)	480	Avai. FLUX(lm)	172080
NOMINAL FLUX(lm)	197827	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	197827
TEST VOLTAGE(V)	480	θ @50% (H,V)	38,37DEG

45 40 35 30 25 20 15 10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	23.1	28.7	34.7	42.8	54.8	66.4	76.2	84.7	89.8	91.0	88.6	81.6	71.5	60.7	49.8	39.8	32.3	25.8	1042	0.00		
30.8	38.6	47.4	61.4	78.5	94.9	109	118	120	118	111	97.8	82.0	64.8	49.7	40.2	32.0	25.4	1319	0.00			
30.3	41.2	55.1	75.3	103	148	231	324	389	406	372	294	199	132	96.8	69.2	50.4	37.4	3055	1422			
43.9	60.2	86.8	124	175	283	436	558	610	579	469	315	189	133	94.6	65.8	48.0	33.4	4304	2959			
38.3	57.5	85.1	148	321	556	798	1021	1182	1239	1174	1000	761	490	251	122	77.9	52.4	9374	8559			
60.7	94.5	156	366	735	1111	1414	1637	1723	1661	1448	1157	810	429	163	99.3	64.3	41.1	13171	12399			
45.6	73.2	126	294	619	1039	1472	1848	2151	2245	2153	1859	1486	1053	618	258	115	69.9	17524	16895			
77.5	129	341	787	1274	1789	2220	2624	2753	2664	2319	1867	1332	846	404	139	83.2	49.6	21698	21100			
50.4	81.3	136	389	813	1312	1865	2411	2878	2996	2864	2416	1913	1348	867	401	141	81.9	22963	22378			
86.8	161	453	927	1435	2031	2625	3202	3344	3181	2669	2047	1433	902	441	132	83.2	51.9	25204	24672			
45.5	67.2	87.4	304	693	1140	1613	2062	2484	2624	2566	2207	1767	1250	795	374	135	78.1	20291	19754			
72.5	118	303	675	1093	1542	1902	2182	2241	2152	1854	1493	1053	643	256	76.1	68.2	42.7	17768	17193			
37.6	57.4	57.2	125	362	687	1035	1324	1574	1668	1635	1427	1152	798	468	217	100	62.9	12787	12153			
54.5	81.7	127	269	527	787	992	1135	1170	1098	922	705	436	171	47.9	48.6	47.1	33.0	8652	7925			
30.6	42.3	55.6	56.9	104	210	366	524	652	712	690	591	461	330	194	99.3	66.3	46.3	5230	4264			
38.5	50.0	68.3	86.8	81.6	109	176	230	241	203	139	74.9	38.1	31.2	39.3	42.9	35.5	26.5	1712	409			
24.4	31.5	38.3	48.4	62.9	70.2	96.9	137	176	199	202	181	137	95.9	72.8	54.9	41.5	32.6	1702	0.00			
26.6	32.1	37.6	45.6	54.6	58.8	49.1	35.9	29.7	27.2	27.2	29.0	35.0	36.2	30.7	28.1	24.5	20.4	628	0.00			
-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)				10	15	20	25	30	35	40	45			
Φ t	818	1246	2295	4825	8585	13035	17475	21458	23807	23863	21703	17841	13356	8812	4940	2307	1245	811	188423	---		
Φ a	0.00	10.7	923	3639	7709	12219	16690	20808	23264	23316	21130	17076	12550	8070	3776	900	0.00	0.00	---	172080		

one-half-peak spread: U:18.2,D:19.0 , L:18.6,R:19.8

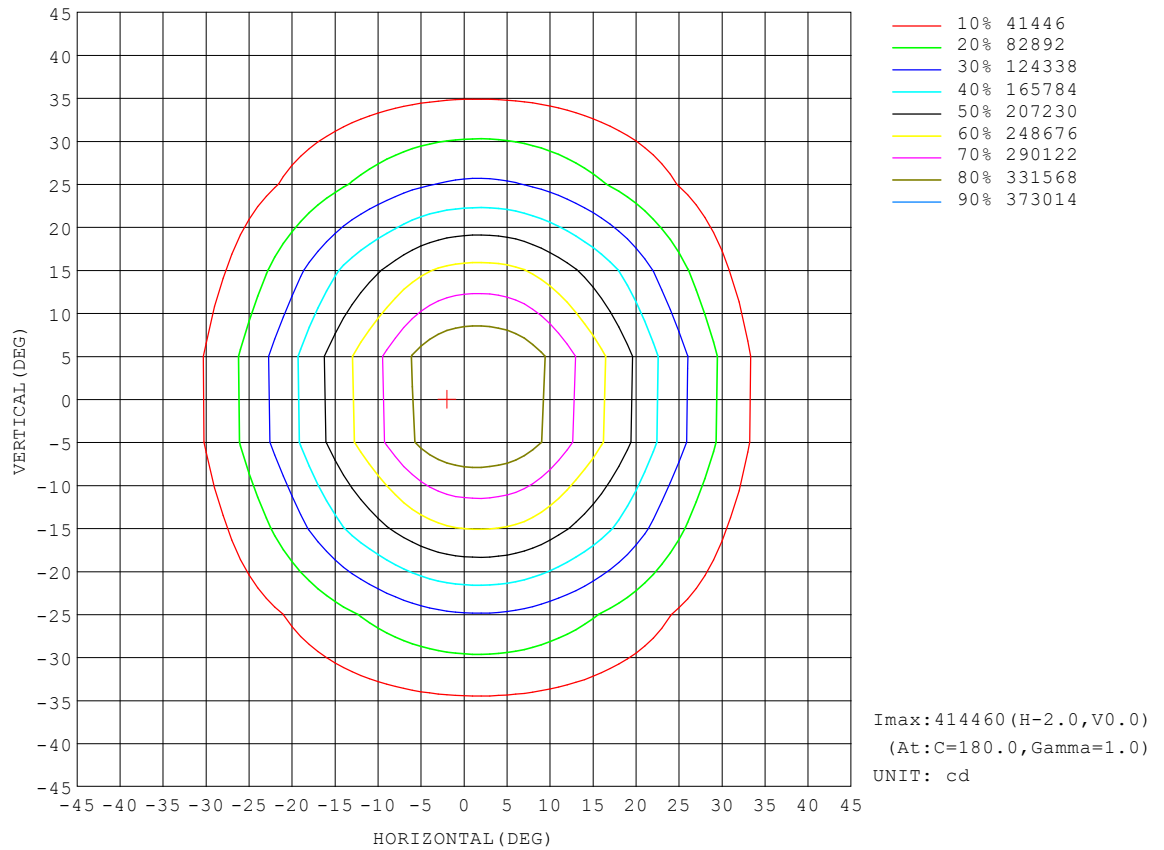
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-25

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:484.01V I:2.7063A P:1307.1W PF:0.9979 Freq:49.97Hz Lamp Flux:197827x1 lm		
NAME: ASD-SPFL7-HV-A1300D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGTHING CORP	SUR.:	Shielding Angle:

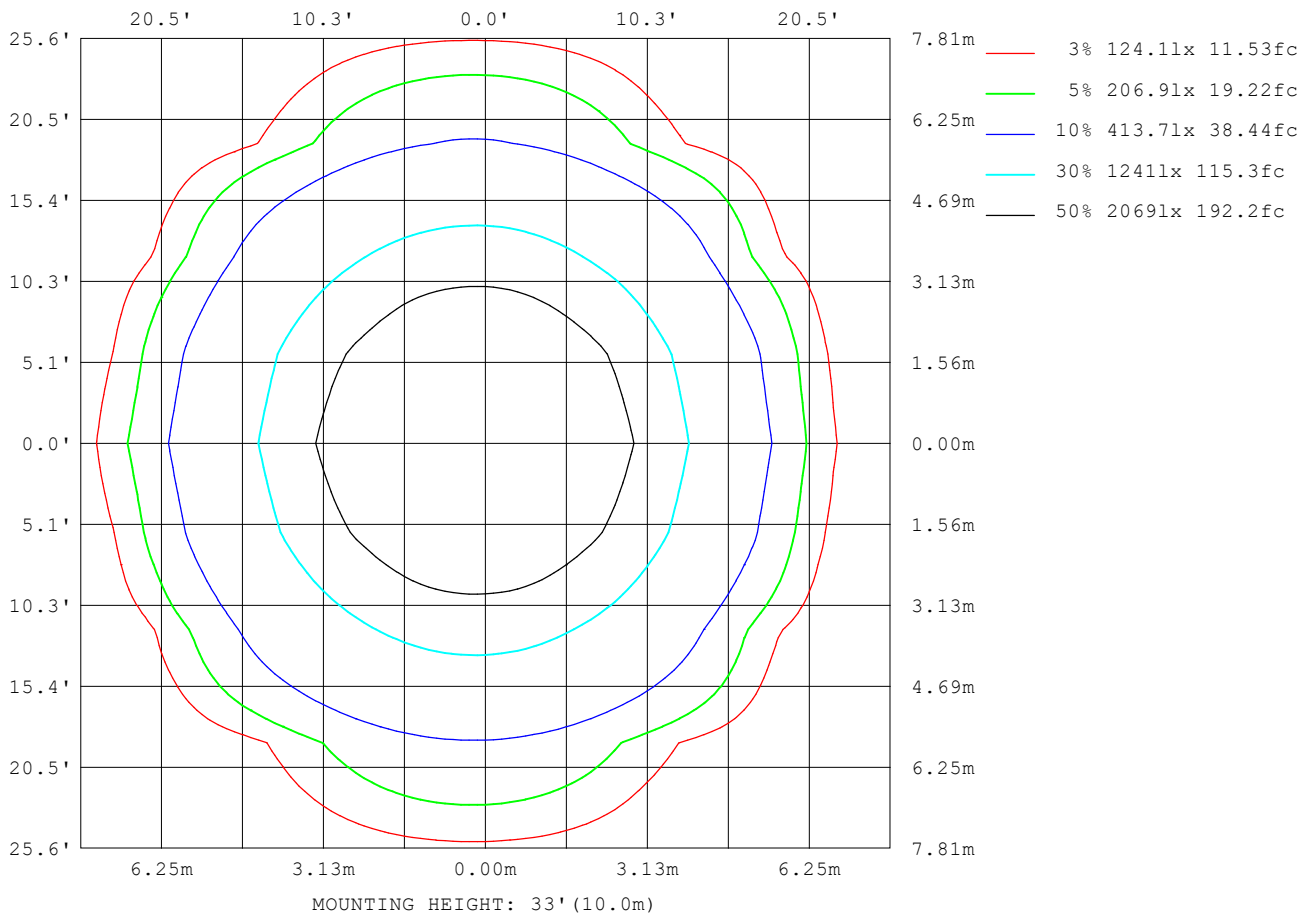


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2024-8-25

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

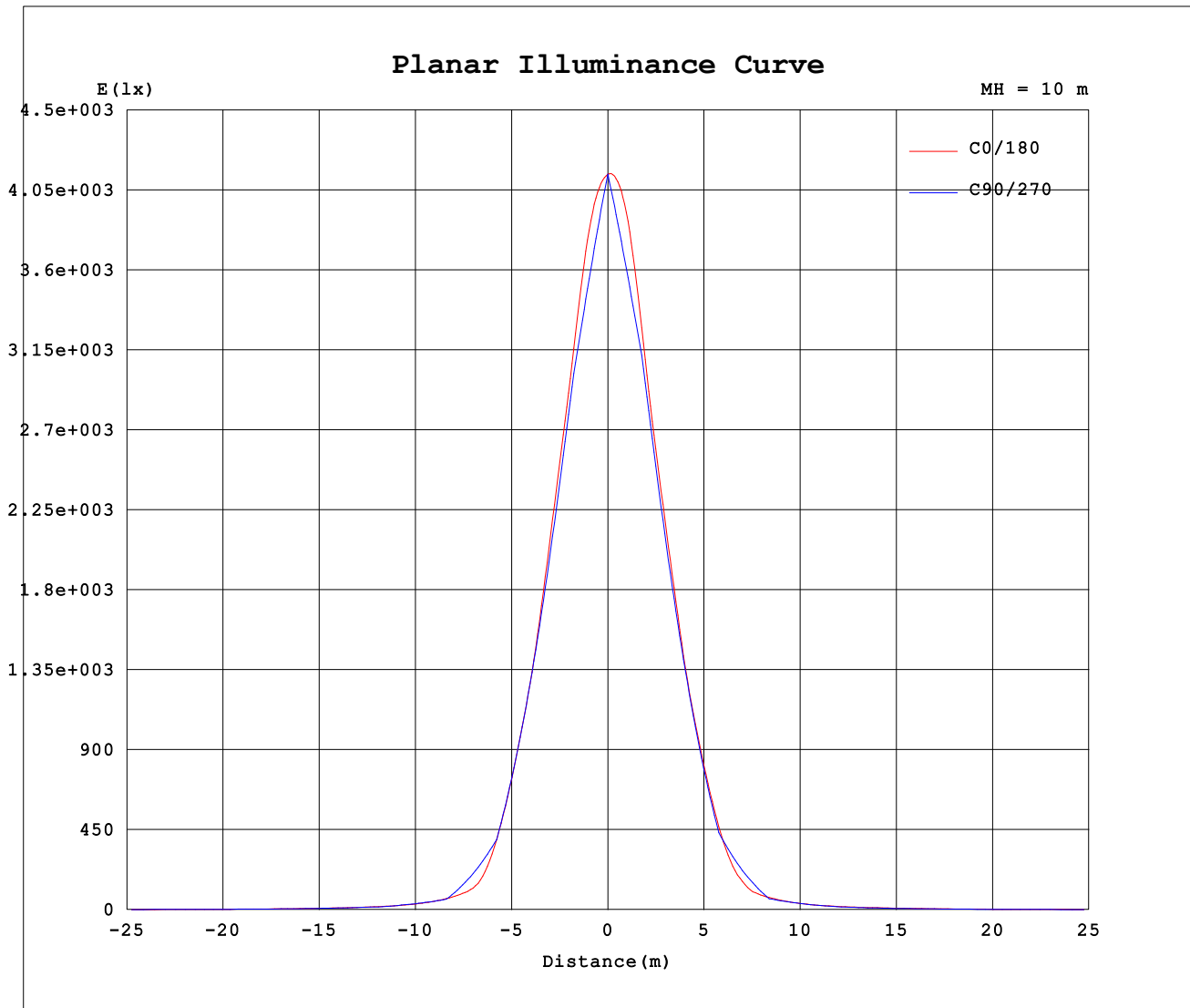
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Test Date:2024-8-25

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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

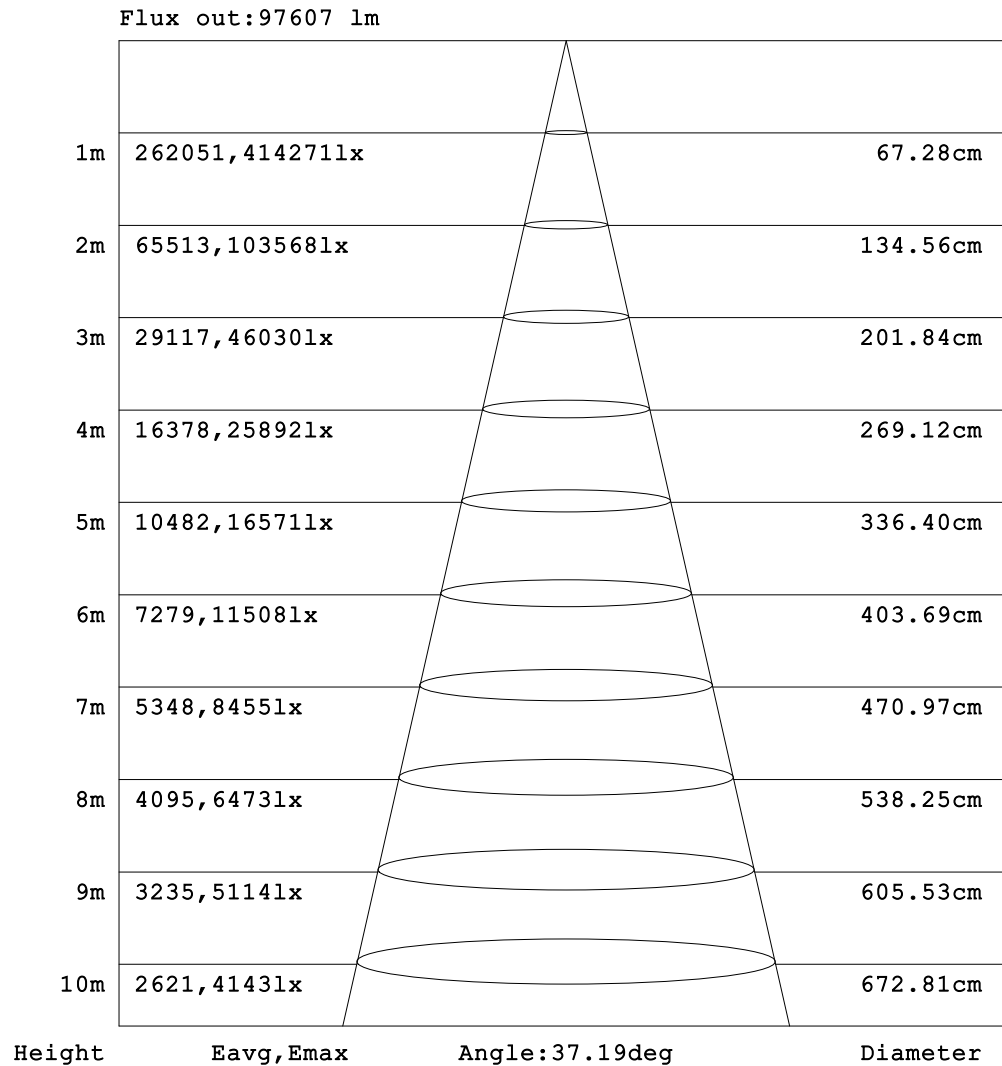


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-25

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:484.01V I:2.7063A P:1307.1W PF:0.9979 Freq:49.97Hz Lamp Flux:197827x1 lm		
NAME: ASD-SPFL7-HV-A1300D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGTHING CORP	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-8-25

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:484.01V I:2.7063A P:1307.1W PF:0.9979 Freq:49.97Hz Lamp Flux:197827x1 lm		
NAME: ASD-SPFL7-HV-A1300D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGTHING CORP	SUR.:	Shielding Angle:

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	0.44	0.58	0.91	1.37	2.01	2.85	3.76	4.61	5.50	6.30	7.12	7.91	8.69	9.39	10.1	10.7	11.2	11.7	11.8
-75	0.41	0.42	0.78	1.42	2.38	3.64	5.21	6.79	8.12	9.38	10.6	11.8	12.9	13.9	14.7	15.6	16.5	17.3	17.8
-70	0.29	0.67	1.36	2.52	4.19	6.25	8.61	10.6	12.3	13.9	15.5	17.0	18.3	19.4	20.4	21.4	22.8	23.5	23.7
-65	0.26	0.41	1.07	2.31	4.23	6.73	9.66	12.7	15.0	17.3	19.1	21.1	23.3	25.4	26.3	27.5	28.9	30.1	30.6
-60	0.21	0.85	2.11	4.26	7.19	10.6	14.5	17.7	20.5	22.8	25.0	27.8	31.0	32.7	33.5	35.2	36.6	37.4	37.4
-55	0.17	0.44	1.50	3.54	6.59	10.3	14.7	19.2	23.0	26.3	29.1	32.4	36.4	40.9	42.7	44.1	46.1	48.6	49.6
-50	0.18	1.11	3.08	6.28	10.4	15.1	20.4	25.4	29.6	33.1	37.0	41.4	47.7	51.8	53.4	55.2	58.7	61.4	61.7
-45	0.11	0.50	2.12	5.13	9.36	14.3	20.0	25.8	31.1	36.0	41.3	47.2	53.6	62.8	72.1	80.3	88.2	94.4	96.9
-40	0.20	1.51	4.42	8.82	14.1	20.1	26.6	32.7	38.5	45.4	52.3	60.2	70.4	85.3	101	115	126	131	132
-35	0.08	0.59	2.86	6.99	12.3	18.2	24.6	31.7	38.8	46.7	57.2	69.3	86.0	110	140	193	269	335	369
-30	0.21	1.91	5.87	11.3	17.5	23.8	31.1	39.1	48.4	59.8	76.1	96.9	129	170	232	361	496	589	607
-25	0.06	0.70	3.80	9.13	15.3	21.7	28.6	37.0	46.5	58.5	78.0	105	145	256	460	702	936	1123	1220
-20	0.24	2.50	7.80	14.2	20.7	27.6	36.1	46.1	58.0	78.1	109	157	273	574	973	1330	1616	1802	1838
-15	0.05	0.80	4.95	11.2	17.8	24.8	32.7	42.5	53.9	70.1	102	149	272	601	1062	1556	1975	2321	2492
-10	0.24	3.18	9.51	16.0	23.2	31.0	40.6	52.5	66.2	95.8	146	243	623	1167	1748	2308	2772	3102	3154
-5	0.04	1.03	5.97	12.5	19.6	27.6	37.3	48.8	61.4	81.2	122	186	434	958	1547	2209	2807	3388	3642
0	0.26	4.15	10.2	17.2	25.4	35.1	47.3	60.4	75.6	110	167	345	837	1447	2144	2839	3580	4077	4122
5	0.02	1.30	6.24	12.5	19.6	27.8	37.8	49.3	61.9	81.8	123	188	438	971	1567	2235	2837	3436	3695
10	0.34	3.93	9.63	16.2	23.5	32.1	41.5	53.4	67.3	97.0	148	250	644	1205	1797	2365	2849	3210	3260
15	0.00	1.35	5.83	11.6	18.0	25.2	33.5	43.2	54.8	71.3	103	153	281	624	1104	1615	2042	2415	2592
20	0.37	3.67	8.78	14.5	20.9	27.9	36.6	46.7	58.9	79.8	112	162	280	610	1030	1404	1702	1894	1935
25	0.00	1.22	5.15	10.2	15.8	22.0	29.0	37.5	47.2	59.5	79.6	108	151	270	489	746	994	1196	1296
30	0.31	3.07	7.42	12.5	18.0	24.0	31.5	39.6	49.1	60.9	78.1	100	134	179	252	394	547	646	665
35	0.03	1.02	4.26	8.55	13.4	18.8	24.9	32.1	39.3	47.4	58.3	71.0	88.8	115	148	207	292	365	401
40	0.27	2.51	6.08	10.4	15.2	20.5	26.9	33.1	39.0	46.2	53.3	61.4	72.4	88.9	106	121	132	138	138
45	0.07	0.80	3.31	6.74	10.8	15.2	20.4	26.0	31.4	36.4	41.8	47.7	54.3	64.4	74.9	83.4	91.5	98.0	100
50	0.20	1.80	4.46	7.84	11.7	15.9	20.6	25.6	29.8	33.3	37.1	41.4	48.0	53.0	54.3	55.9	59.4	62.0	62.4
55	0.10	0.58	2.32	4.82	7.86	11.3	15.1	19.2	23.0	26.2	28.9	32.1	36.0	41.0	43.0	44.1	46.0	48.5	49.5
60	0.16	1.21	3.01	5.34	8.12	11.1	14.6	17.5	20.1	22.4	24.4	27.0	30.4	32.2	32.7	34.4	35.7	36.4	36.5
65	0.11	0.38	1.42	2.97	4.93	7.21	9.76	12.4	14.4	16.5	18.2	20.0	22.1	24.2	25.0	26.0	27.2	28.4	28.9
70	0.12	0.65	1.59	2.87	4.45	6.23	8.23	9.81	11.2	12.6	14.0	15.4	16.5	17.4	18.3	19.1	20.3	21.0	21.2
75	0.12	0.20	0.67	1.38	2.31	3.42	4.72	5.98	6.96	7.94	8.91	9.88	10.8	11.6	12.2	12.8	13.4	14.1	14.5
80	0.13	0.26	0.54	0.95	1.48	2.11	2.79	3.35	3.90	4.42	4.97	5.50	6.02	6.45	6.77	7.09	7.41	7.75	7.85
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:2024-8-25

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:484.01V I:2.7063A P:1307.1W PF:0.9979 Freq:49.97Hz Lamp Flux:197827x1 lm		
NAME: ASD-SPFL7-HV-A1300D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGTHING CORP	SUR.:	Shielding Angle:

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	11.3	10.9	10.3	9.77	9.18	8.47	7.77	7.09	6.43	5.78	5.08	4.22	3.34	2.74	2.38	1.82	0.98	0.89	
-75	17.6	17.0	16.0	15.3	14.5	13.7	12.7	11.6	10.5	9.44	8.31	6.97	5.37	3.93	2.90	2.16	1.40	0.64	
-70	23.1	21.9	20.9	19.8	18.9	17.7	16.3	14.8	13.3	11.8	10.0	7.80	5.58	3.77	2.52	1.63	0.79	0.58	
-65	30.4	29.6	28.1	26.8	26.0	24.5	22.2	20.2	18.4	16.5	14.4	11.8	8.78	6.04	3.78	2.27	1.23	0.43	
-60	36.8	35.6	33.8	32.7	31.7	28.5	25.6	23.4	21.5	18.8	15.9	12.2	8.59	5.39	3.08	1.58	0.63	0.32	
-55	49.3	47.6	45.1	43.5	42.5	39.0	33.9	30.6	27.7	24.9	21.5	17.4	13.1	8.99	5.36	2.73	1.22	0.31	
-50	60.1	56.6	54.3	53.2	50.0	42.9	38.0	34.1	30.7	27.1	22.4	17.4	12.6	8.01	4.18	1.88	0.60	0.24	
-45	96.4	92.4	85.4	77.5	68.8	58.6	50.1	43.8	38.5	33.5	28.7	23.1	17.6	12.5	7.64	3.66	1.41	0.33	
-40	129	120	107	91.9	75.3	62.7	54.6	47.1	40.0	34.2	28.5	22.2	16.5	11.0	5.97	2.32	0.70	0.31	
-35	362	315	241	171	130	101	78.7	64.1	51.8	42.5	35.2	28.3	21.7	16.0	10.4	5.21	1.76	0.47	
-30	547	426	284	194	147	110	83.6	66.2	51.5	41.8	33.8	26.2	20.0	14.2	8.32	3.32	0.89	0.54	
-25	1200	1068	859	614	374	192	127	92.2	67.9	52.0	41.4	32.9	25.2	18.9	13.0	7.18	2.38	0.71	
-20	1721	1471	1142	740	356	182	125	88.0	63.1	48.9	38.6	30.0	22.9	16.5	10.6	4.68	1.23	0.85	
-15	2465	2232	1858	1396	897	452	203	127	86.4	61.4	48.1	37.7	29.2	21.7	15.1	8.99	3.37	0.96	
-10	2987	2554	2043	1441	872	366	176	114	75.8	56.8	44.7	34.8	26.3	18.8	12.2	6.18	1.54	1.10	
-5	3588	3214	2628	1991	1346	750	286	157	102	70.1	55.1	43.2	32.8	24.0	16.5	9.98	4.18	1.11	
0	3834	3160	2475	1728	1099	499	198	129	84.8	64.0	50.6	38.6	28.2	19.9	12.8	6.62	1.87	1.11	
5	3641	3256	2664	2015	1365	765	290	159	103	70.4	55.3	43.2	32.6	24.1	16.6	10.1	4.37	1.06	
10	3076	2636	2101	1482	906	385	181	117	76.8	57.2	44.9	34.6	26.4	19.0	12.4	6.44	1.86	0.85	
15	2566	2315	1926	1449	939	475	211	131	88.3	62.1	48.4	37.9	29.2	22.0	15.3	9.37	4.06	0.84	
20	1808	1541	1203	792	385	189	129	90.6	64.1	49.4	39.1	30.4	23.2	16.8	11.0	5.68	1.58	0.51	
25	1277	1133	906	650	401	203	131	95.0	69.5	52.7	41.9	33.3	25.6	19.3	13.5	8.19	3.49	0.58	
30	600	465	305	203	154	114	86.2	67.9	52.3	42.4	34.4	26.6	20.5	14.7	9.50	4.84	1.21	0.24	
35	393	342	260	180	135	104	81.1	65.4	52.7	43.1	35.8	28.9	22.2	16.6	11.4	6.82	2.85	0.39	
40	134	125	111	94.9	77.9	64.3	55.7	47.4	40.6	34.8	29.0	22.7	17.0	12.1	7.66	3.82	0.92	0.15	
45	99.6	95.3	87.7	79.2	69.9	59.6	51.0	44.4	38.9	34.0	29.1	23.6	18.1	13.4	9.12	5.32	2.17	0.28	
50	60.6	56.9	54.3	52.7	49.5	43.4	38.5	34.6	31.1	27.5	22.8	17.9	13.4	9.44	5.86	2.87	0.70	0.13	
55	49.1	47.4	44.9	43.0	41.8	38.7	34.1	30.6	27.7	24.9	21.5	17.6	13.6	9.94	6.64	3.79	1.54	0.22	
60	35.9	34.7	33.0	31.9	31.1	28.2	25.3	23.0	21.1	18.4	15.8	12.4	9.28	6.38	3.88	1.85	0.49	0.13	
65	28.7	28.0	26.6	25.4	24.6	23.4	21.3	19.3	17.5	15.7	13.7	11.4	8.73	6.32	4.14	2.32	0.95	0.17	
70	20.7	19.6	18.7	17.8	17.0	16.0	14.7	13.4	11.9	10.5	9.04	7.16	5.24	3.55	2.11	1.02	0.32	0.13	
75	14.4	13.9	13.1	12.5	11.9	11.3	10.5	9.60	8.62	7.64	6.64	5.57	4.24	3.02	1.95	1.09	0.49	0.14	
80	7.54	7.26	6.89	6.53	6.15	5.70	5.20	4.68	4.14	3.60	3.04	2.40	1.73	1.16	0.70	0.38	0.15	0.13	
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:2024-8-25

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 : 38°-H X 37°-V

one-half-peak spread: U:18.2,D:19.0 , L:18.6,R:19.8

TOTAL FLUX : 197827 lm

LOR : 100.0%

AVAILABILITY FLUX : 172080 lm

AVAILABILITY : 87.0%

