

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2000.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.0 degrees horizontal

Beam Spread	At 10% of Imax	67.0V x 68.0H
	At 50% of Imax	37.1V x 38.2H
	At 90% of Imax	11.4V x 15.3H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	838.2 lumens per klm.
	To 50% of Imax	487.0 lumens per klm.
	To 90% of Imax	80.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

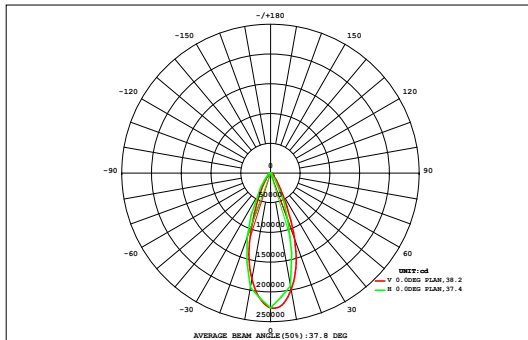
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:22 November 2023

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:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
NAME: ASD-SPFL7-HV-A750D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:151.01lm/W	
MSDESPFL7-HV-A750D50-L40		Imax(cd)	227386
NOMINAL POWER(W)	750	AVAILABILITY(%)	84.6
RATED VOLTAGE(V)	200	Avai. FLUX(lm)	96176
NOMINAL FLUX(lm)	113665	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	113665
TEST VOLTAGE(V)	200	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
	25.3	31.8	39.6	48.9	59.6	71.9	84.8	96.2	104	107	103	93.8	82.0	69.1	57.1	46.8	38.1	30.6	1189	0.00		
	33.2	42.3	53.4	67.3	83.8	102	120	133	139	136	125	108	90.0	72.9	58.1	46.4	36.8	29.2	1478	0.00		
	31.0	41.4	57.0	81.1	111	148	189	230	262	273	258	223	181	142	106	77.3	55.5	40.6	2507	1602		
	42.8	60.7	90.8	131	181	238	297	349	374	360	313	253	196	146	104	71.2	49.9	36.4	3294	2584		
	36.6	54.8	86.1	138	214	319	453	596	705	739	688	565	421	296	201	132	84.0	53.6	5782	5268		
	56.5	94.8	157	252	386	569	776	949	1020	969	808	599	412	272	173	107	65.7	41.6	7709	7268		
	39.1	64.5	111	194	341	571	842	1092	1277	1346	1286	1103	833	550	333	197	117	68.8	10365	9971		
	67.4	120	213	381	671	1034	1353	1571	1653	1587	1391	1090	729	427	238	137	79.2	46.6	12790	12423		
	37.0	65.2	116	207	385	702	1069	1373	1597	1680	1605	1404	1107	727	415	231	131	74.5	12926	12566		
	66.7	123	224	420	764	1180	1492	1719	1805	1715	1484	1174	780	425	228	128	73.4	41.6	13843	13480		
	29.2	50.2	89.3	156	287	550	912	1229	1458	1552	1491	1284	989	650	373	208	118	66.7	11493	11090		
	48.8	88.8	159	289	513	820	1130	1347	1418	1352	1148	826	494	276	161	93.9	54.9	32.1	10250	9819		
	20.5	31.7	53.9	88.9	148	256	430	634	798	872	846	732	557	373	229	138	80.7	47.1	6336	5856		
	29.2	48.9	81.6	131	196	273	360	440	466	417	308	197	129	92.8	67.0	45.0	28.4	18.9	3329	2712		
	13.3	17.2	25.2	39.5	61.9	93.0	138	197	260	300	299	258	199	144	99.2	65.9	42.3	26.7	2279	1537		
	14.1	18.8	26.2	36.8	47.2	56.1	61.3	63.2	61.4	55.0	46.5	38.0	31.5	26.3	21.0	15.8	12.7	10.9	643	0.00		
	7.53	8.73	10.4	13.5	18.8	25.9	34.5	45.2	57.1	66.2	67.5	61.2	50.7	40.3	30.9	23.1	16.7	12.2	590	0.00		
	5.27	5.78	6.00	5.80	5.76	6.10	6.56	6.72	6.83	6.49	5.84	5.30	4.72	4.20	3.95	3.95	4.40	4.76	98.4	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)				10	15	20	25	30	35	40	45		
Φ t	604	968	1600	2681	4476	7016	9748	12071	13461	13531	12274	10016	7286	4731	2899	1768	1088	683	106902	---		
Φ a	0.00	67.2	678	1892	4003	6512	9345	11672	13068	13161	11901	9673	6937	4092	2251	824	98.0	0.00	---	96176		

one-half-peak spread: U:17.0,D:20.4 , L:18.6,R:19.9

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:22 November 2023

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446

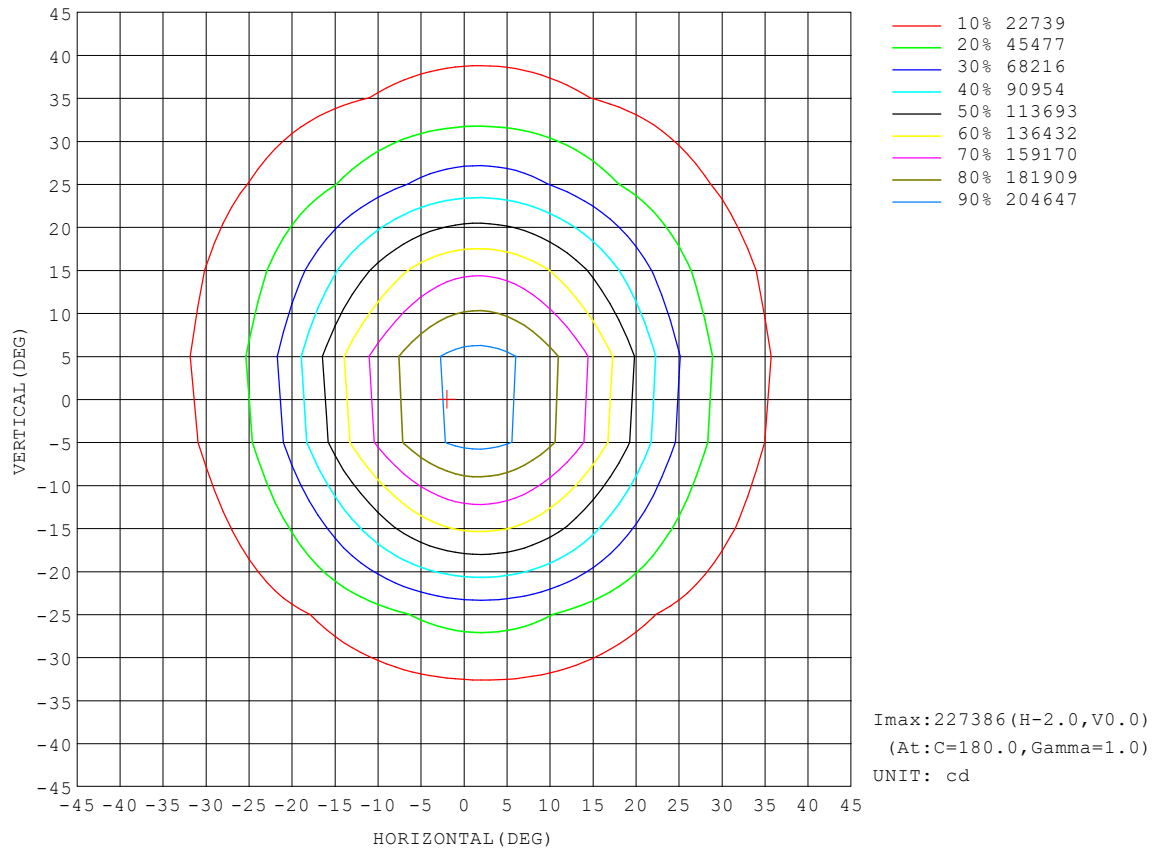
Humidity:65.0%

Test Distance:7.850m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

Test:U:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
NAME: ASD-SPFL7-HV-A750D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

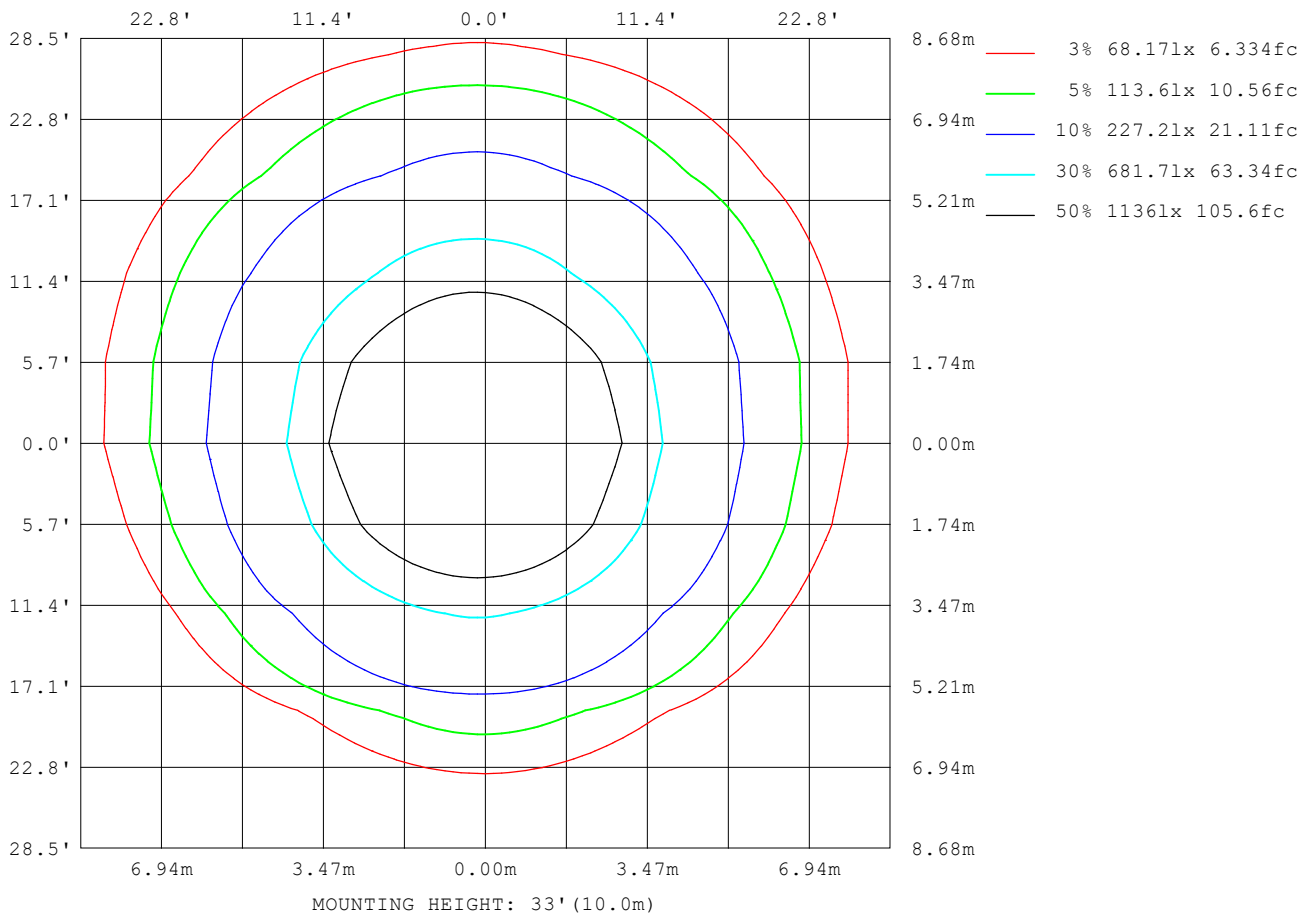


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:22 November 2023

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

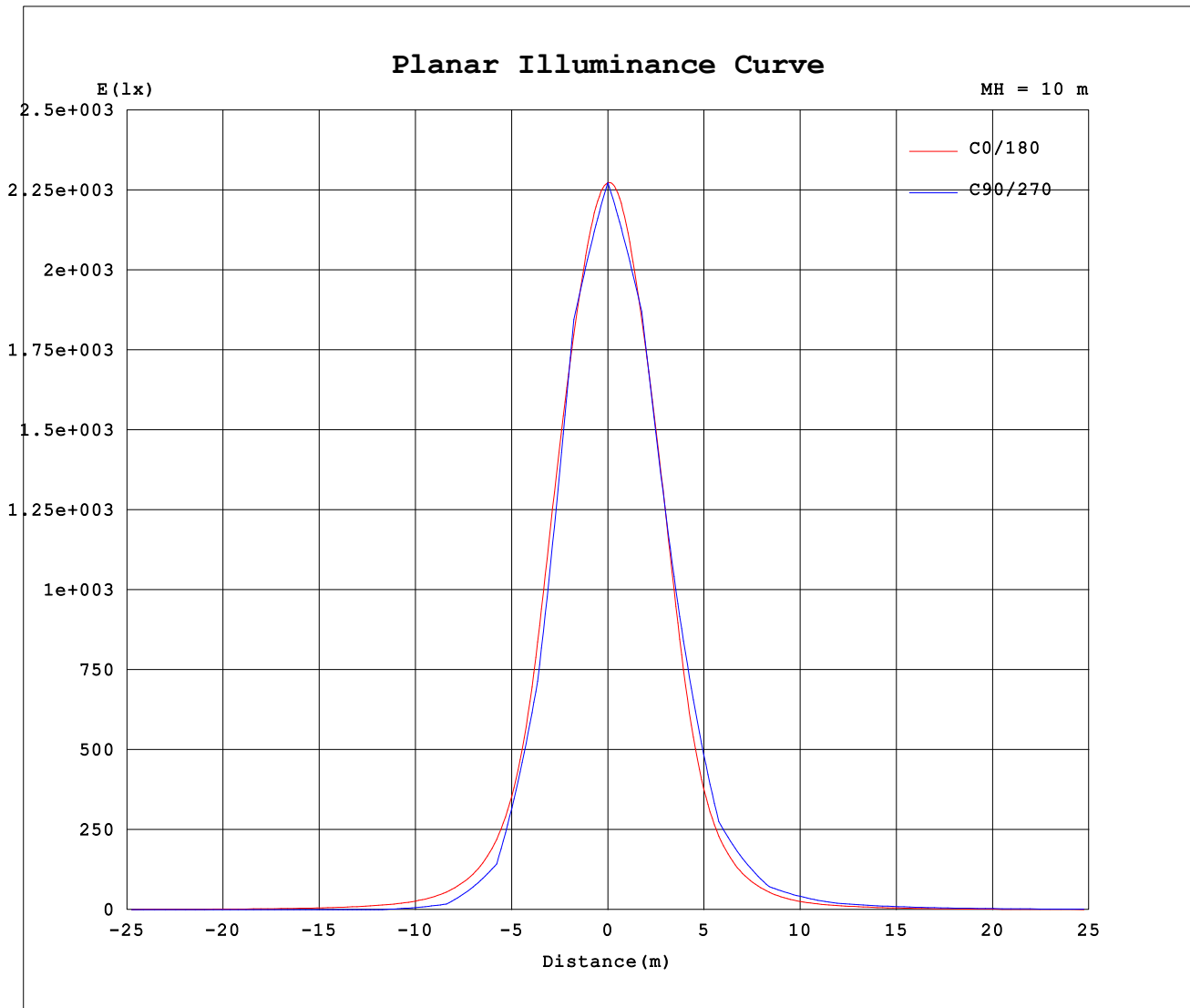
Test:U:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:22 November 2023

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

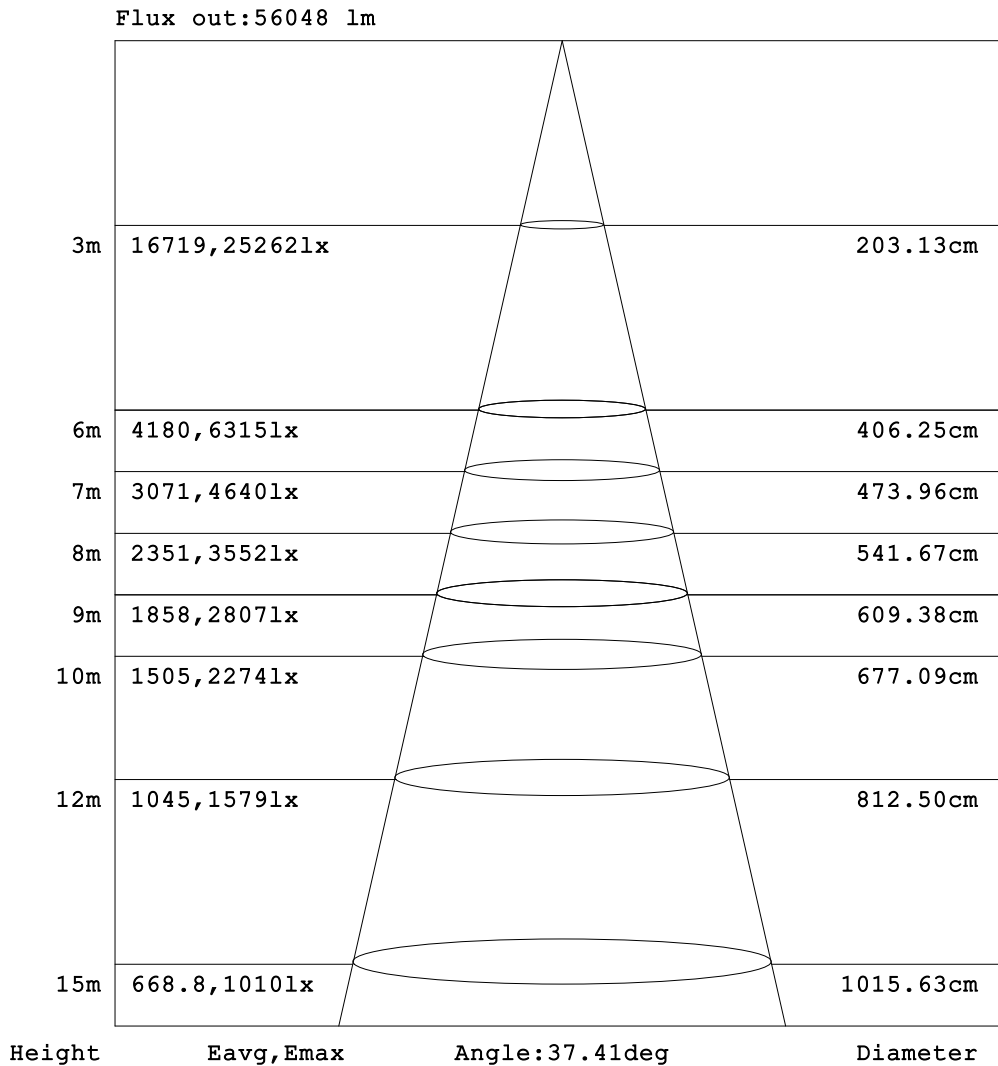


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: S
 Test Date: 22 November 2023

$V(B)$ 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:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
NAME: ASD-SPFL7-HV-A750D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING 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:22 November 2023

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:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
NAME: ASD-SPFL7-HV-A750D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING 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	0.36	0.51	0.55	0.60	0.65	0.76	0.90	0.99	1.12	1.18	1.22	1.28	1.37	1.49	1.63	1.76	1.88	1.97	2.03
-75	0.24	0.35	0.45	0.49	0.62	0.83	1.07	1.24	1.32	1.31	1.26	1.22	1.17	1.21	1.29	1.38	1.48	1.57	1.63
-70	0.24	0.35	0.38	0.53	0.82	1.20	1.47	1.59	1.54	1.39	1.25	1.10	0.99	1.02	1.06	1.12	1.19	1.24	1.28
-65	0.16	0.24	0.30	0.46	0.87	1.46	1.97	2.25	2.20	1.98	1.69	1.41	1.12	0.88	0.83	0.84	0.88	0.92	0.95
-60	0.16	0.22	0.34	0.81	1.61	2.38	2.88	2.94	2.62	2.24	1.79	1.37	0.92	0.66	0.60	0.60	0.62	0.64	0.66
-55	0.11	0.16	0.24	0.69	1.66	2.84	3.75	4.18	4.14	3.82	3.32	2.70	2.08	1.40	0.89	0.61	0.55	0.57	0.59
-50	0.11	0.16	0.55	1.62	3.14	4.50	5.25	5.48	5.31	4.81	4.12	3.30	2.38	1.50	0.74	0.52	0.49	0.52	0.55
-45	0.09	0.11	0.34	1.36	3.19	5.11	6.52	7.35	7.95	8.29	8.39	8.61	9.08	9.88	11.2	13.2	15.6	18.0	19.8
-40	0.09	0.20	1.13	3.17	5.61	7.58	8.86	10.00	11.1	11.9	12.9	14.4	16.6	19.8	23.9	28.6	33.6	37.8	39.9
-35	0.08	0.10	0.64	2.57	5.41	8.06	10.2	12.1	14.3	16.9	19.7	24.1	31.7	43.5	58.4	76.1	95.8	115	129
-30	0.08	0.34	2.11	5.32	8.54	11.2	13.7	16.7	20.6	25.0	31.2	42.1	59.9	84.3	114	147	182	211	222
-25	0.08	0.10	1.26	4.35	7.92	11.2	14.5	18.0	22.5	28.8	38.3	55.6	85.2	131	195	279	380	479	536
-20	0.08	0.73	3.79	7.73	11.3	15.2	19.4	24.3	31.4	42.7	63.5	101	161	250	373	531	702	828	859
-15	0.08	0.16	2.26	6.07	10.0	14.1	18.8	24.1	31.2	42.4	63.1	102	169	281	468	734	1026	1266	1387
-10	0.08	1.41	5.18	9.21	13.7	18.5	24.4	31.9	42.9	63.5	104	175	298	517	868	1291	1662	1880	1927
-5	0.08	0.38	3.20	7.24	11.7	16.7	22.4	29.6	39.5	55.9	87.9	148	251	435	761	1212	1626	1937	2093
0	0.09	2.17	5.95	10.6	15.7	21.5	28.6	38.3	53.3	81.3	136	230	397	707	1184	1649	1994	2225	2265
5	0.08	0.59	3.63	7.92	13.0	18.7	25.3	33.6	45.1	63.6	99.1	165	276	473	818	1271	1665	1957	2107
10	0.12	2.26	6.23	11.2	16.9	23.5	31.4	41.5	56.5	82.7	133	217	362	614	991	1391	1712	1912	1953
15	0.07	0.67	3.76	8.23	13.6	19.8	27.1	35.7	46.8	63.4	92.2	145	231	373	597	892	1189	1427	1548
20	0.14	2.37	6.40	11.6	17.6	24.5	32.7	42.3	55.1	74.4	108	166	254	378	548	758	973	1120	1148
25	0.06	0.68	3.68	8.10	13.5	19.8	27.0	35.2	45.1	58.0	76.4	107	157	230	326	450	590	717	784
30	0.15	2.18	6.00	11.0	16.8	23.5	30.8	39.4	49.7	61.6	77.7	103	143	191	247	308	368	413	423
35	0.04	0.65	3.41	7.53	12.7	18.6	25.2	32.4	40.5	49.8	60.3	74.5	95.7	124	158	196	236	271	291
40	0.18	2.02	5.48	10.0	15.5	21.5	28.0	34.9	42.3	50.0	58.6	68.9	81.4	96.7	114	133	148	159	161
45	0.03	0.61	2.98	6.56	11.1	16.3	22.0	28.0	34.3	40.8	47.3	54.6	63.0	72.1	82.6	94.1	105	114	118
50	0.17	1.68	4.51	8.31	12.8	17.9	23.1	28.6	34.0	39.2	44.5	50.2	55.2	59.9	64.7	69.1	73.0	75.6	76.1
55	0.02	0.56	2.41	5.28	8.89	13.1	17.6	22.4	27.1	31.8	36.3	40.8	45.1	48.6	52.4	55.9	58.7	61.2	62.5
60	0.19	1.38	3.53	6.42	9.90	13.7	17.8	21.9	25.8	29.8	33.4	36.8	39.3	41.9	44.6	46.0	47.6	48.7	49.2
65	0.02	0.53	1.87	3.90	6.48	9.50	12.8	16.1	19.6	22.9	26.1	29.1	31.5	33.6	35.8	37.5	38.7	39.7	40.4
70	0.18	1.07	2.48	4.34	6.60	9.12	11.8	14.6	17.3	19.9	22.3	24.5	26.2	27.9	29.3	30.3	31.3	31.6	31.7
75	0.03	0.51	1.45	2.69	4.23	6.03	7.99	10.0	12.1	14.2	16.1	17.9	19.4	20.7	22.0	22.8	23.7	24.2	24.4
80	0.19	1.00	1.81	2.82	3.98	5.27	6.63	8.04	9.44	10.8	12.0	13.2	14.2	15.1	15.7	16.3	16.8	17.0	17.1
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:22 November 2023

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:200.45V I:3.7792A P:752.69W PF:0.9936 Freq:50.03Hz Lamp Flux:113665x1 lm		
NAME: ASD-SPFL7-HV-A750D50-L40	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING 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	2.05	2.03	1.98	1.90	1.82	1.74	1.70	1.67	1.63	1.57	1.48	1.38	1.25	1.11	0.99	0.86	0.49	0.39	
-75	1.67	1.67	1.64	1.59	1.54	1.50	1.53	1.61	1.67	1.73	1.73	1.64	1.44	1.18	0.95	0.80	0.64	0.33	
-70	1.30	1.29	1.26	1.23	1.22	1.27	1.46	1.62	1.79	1.91	1.92	1.68	1.32	0.95	0.72	0.60	0.35	0.25	
-65	0.98	0.98	0.97	0.96	0.99	1.12	1.43	1.75	2.08	2.37	2.57	2.51	2.09	1.47	0.90	0.57	0.43	0.23	
-60	0.66	0.66	0.66	0.72	0.86	1.31	1.80	2.26	2.74	3.09	3.27	2.90	2.14	1.24	0.63	0.38	0.23	0.16	
-55	0.61	0.62	0.64	0.76	1.20	1.86	2.61	3.27	3.90	4.37	4.63	4.50	3.86	2.68	1.36	0.55	0.29	0.16	
-50	0.57	0.58	0.72	1.30	2.28	3.31	4.23	5.08	5.69	6.02	5.97	5.46	4.29	2.46	0.97	0.33	0.18	0.12	
-45	20.1	18.9	17.0	14.9	13.0	11.6	10.6	9.96	9.55	9.21	8.63	7.84	6.73	4.99	2.78	0.93	0.27	0.15	
-40	38.5	35.0	30.7	26.1	21.9	18.5	16.1	14.3	13.2	11.8	10.4	8.97	7.27	4.92	2.05	0.50	0.19	0.15	
-35	129	117	98.7	79.7	62.3	47.7	35.6	27.1	21.7	18.2	15.3	12.8	10.5	8.01	5.06	2.00	0.43	0.22	
-30	208	178	143	112	84.4	61.4	44.0	32.7	25.9	21.0	17.1	13.8	10.8	7.70	4.21	1.09	0.32	0.28	
-25	529	461	361	265	188	130	87.4	58.0	40.2	30.1	23.4	18.6	14.6	11.0	7.39	3.66	0.89	0.39	
-20	780	625	460	321	217	143	92.1	59.5	41.2	30.7	23.8	18.5	14.0	9.96	6.12	2.30	0.58	0.47	
-15	1369	1214	953	662	423	262	163	101	64.0	43.6	32.1	24.6	18.7	13.7	9.35	5.27	1.67	0.60	
-10	1804	1508	1092	695	417	251	152	93.3	59.3	41.4	31.0	23.4	17.3	12.1	7.62	3.61	0.86	0.60	
-5	2062	1855	1509	1070	652	380	226	138	84.7	55.5	39.6	29.6	22.2	16.1	10.9	6.31	2.45	0.72	
0	2111	1815	1414	911	526	305	184	112	70.7	48.6	35.5	26.4	19.5	13.7	8.49	4.15	1.14	0.58	
5	2074	1873	1549	1120	692	405	244	150	93.3	61.8	44.5	33.2	24.8	17.9	12.0	6.87	2.81	0.72	
10	1832	1569	1192	785	477	289	179	113	73.7	52.2	39.1	29.2	21.4	14.8	9.10	4.39	1.18	0.40	
15	1523	1360	1096	788	517	326	207	132	87.1	61.1	45.7	35.0	26.2	18.8	12.4	7.05	2.81	0.61	
20	1050	852	632	446	307	206	137	92.0	66.1	50.1	39.0	29.7	21.7	14.9	9.03	4.26	1.08	0.17	
25	770	677	539	403	292	207	143	100	73.1	56.0	43.6	34.2	25.9	18.6	12.3	6.85	2.67	0.49	
30	395	340	278	220	169	126	93.4	72.4	58.2	46.2	36.6	28.5	21.1	14.4	8.72	4.07	0.97	0.00	
35	288	263	225	185	149	117	91.2	72.2	59.1	48.7	39.3	31.3	24.1	17.4	11.4	6.33	2.45	0.42	
40	155	141	124	106	89.6	75.8	64.5	55.2	47.4	39.7	32.2	25.2	18.8	12.9	7.73	3.59	0.87	0.00	
45	118	112	102	91.4	80.3	70.0	61.3	53.3	46.4	40.0	33.4	26.9	20.9	15.2	9.91	5.51	2.16	0.39	
50	74.9	71.6	67.8	63.3	58.3	53.5	48.3	43.0	37.8	32.4	26.7	21.3	16.0	11.0	6.57	3.10	0.82	0.00	
55	62.4	60.8	58.3	55.5	51.9	48.1	44.4	40.1	35.7	31.2	26.4	21.5	16.8	12.2	8.02	4.48	1.83	0.39	
60	48.2	46.9	46.0	43.4	40.8	38.5	35.5	32.1	28.3	24.4	20.2	16.0	12.1	8.32	5.01	2.44	0.78	0.00	
65	40.3	39.6	38.6	37.4	35.4	33.3	31.3	28.6	25.7	22.4	19.0	15.5	12.1	8.90	5.89	3.39	1.51	0.38	
70	31.5	31.1	30.1	29.0	27.4	25.8	24.0	21.7	19.2	16.5	13.7	10.9	8.23	5.77	3.62	1.92	0.77	0.00	
75	24.4	24.2	23.6	22.9	21.9	20.6	19.3	17.7	15.9	14.0	11.9	9.77	7.73	5.79	4.01	2.51	1.32	0.37	
80	17.0	16.7	16.2	15.6	14.8	13.9	12.8	11.6	10.3	8.98	7.57	6.16	4.84	3.62	2.52	1.61	0.72	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	
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:22 November 2023

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:17.0,D:20.4 , L:18.6,R:19.9

TOTAL FLUX : 113665 lm

LOR : 100.0%

AVAILABILITY FLUX : 96176 lm

AVAILABILITY : 84.6%

