

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

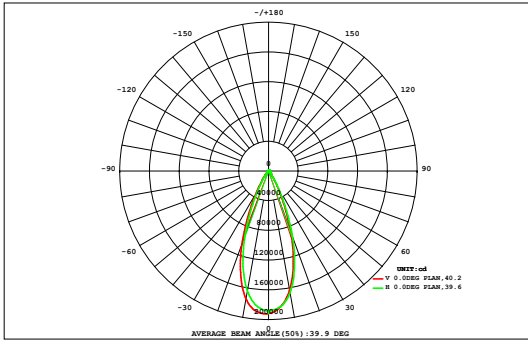
Maximum Intensity (Luminaire orientation as tested.)		2008.5 cd per klm. 0.0 degrees vertical 1.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	64.4V x 64.8H 39.6V x 40.2H 16.8V x 18.4H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.3 lumens per klm. 857.1 lumens per klm. 560.6 lumens per klm. 134.1 lumens per klm.
	Upward LOR Downward LOR	1.4 % 98.6 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 23 October 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.9688]  
 Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:277.54V I:2.6497A P:735.40W PF:0.9687 Freq:50.03Hz Lamp Flux:95654.1x1 lm		
NAME: ASD-SPFL-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:130.07lm/W	
MODELASD-SPFL-750D50-PRM		Imax (cd)	192118
NOMINAL POWER (W)	750	AVAILABILITY (%)	85.8
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	82037
NOMINAL FLUX (lm)	95654.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	95654
TEST VOLTAGE (V)	277	θ @50% (H,V)	40,40DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	9.88	11.5	13.2	15.0	17.5	20.7	24.3	28.2	31.3	32.1	30.3	27.0	23.1	19.3	16.2	14.0	12.2	10.5	357	0.00
40	10.7	12.6	14.9	18.8	25.4	34.8	45.7	56.2	64.1	66.2	61.9	53.0	42.1	31.0	22.2	16.6	13.5	11.4	601	0.00
35	11.5	14.1	18.8	28.1	44.0	66.0	91.8	117	135	140	128	107	81.3	56.1	36.1	23.0	16.0	12.4	1126	218
30	12.5	17.0	26.8	46.1	77.7	126	185	241	282	291	265	216	155	100	60.9	35.4	20.7	13.9	2173	1628
25	13.8	21.5	39.8	74.2	134	228	343	456	533	550	501	402	281	175	99.3	53.8	28.3	16.2	3950	3537
20	15.5	27.9	56.4	114	218	376	567	736	840	859	795	651	460	280	154	76.8	37.9	19.3	6283	5939
15	17.6	34.8	74.3	160	315	548	795	994	1112	1132	1060	888	651	401	213	102	48.0	22.9	8569	8263
10	19.7	41.4	91.1	201	405	691	972	1189	1304	1324	1249	1065	799	506	267	125	57.6	26.4	10334	10055
5	21.1	45.7	103	230	463	774	1071	1293	1406	1415	1345	1164	889	575	305	142	64.2	28.7	11336	11058
0	21.0	45.5	103	228	458	765	1058	1277	1395	1435	1370	1185	903	584	309	145	65.1	29.1	11373	11094
-5	19.4	40.8	89.4	196	393	675	958	1184	1313	1345	1278	1094	824	525	278	132	60.3	27.4	10434	10156
-10	17.2	34.0	72.2	154	306	538	793	1002	1127	1155	1085	916	674	418	223	108	51.4	24.4	8697	8397
-15	15.1	27.0	54.5	110	214	375	571	746	855	881	817	673	481	294	159	81.2	40.3	20.4	6413	6071
-20	13.4	20.7	38.4	73.2	135	230	347	466	547	566	520	418	296	187	105	57.0	29.8	16.9	4066	3645
-25	12.3	16.4	26.3	46.3	79.1	127	187	249	291	302	279	226	163	107	65.4	37.5	21.6	14.3	2250	1711
-30	11.4	13.9	18.7	28.4	44.8	67.8	95.1	122	140	146	136	113	85.1	59.4	38.9	24.5	16.6	12.7	1174	264
-35	10.6	12.6	15.0	18.9	25.6	35.6	47.9	59.6	67.3	69.5	65.5	56.0	43.8	32.4	23.5	17.6	14.0	11.7	627	0.00
-40	9.82	11.5	13.2	15.1	17.4	20.9	25.3	29.5	32.4	33.3	32.0	28.5	24.0	19.9	16.8	14.5	12.6	10.8	368	0.00
-45	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)	10	15	20	25	30	35	40	45			
Φ t	263	449	869	1756	3373	5697	8179	10246	11477	11743	11016	9281	6875	4370	2392	1207	610	330	90130	---
Φ a	0.00	0.00	71.6	1170	2905	5301	7806	9897	11141	11397	10675	8927	6497	3939	1886	425	0.00	0.00	---	82037

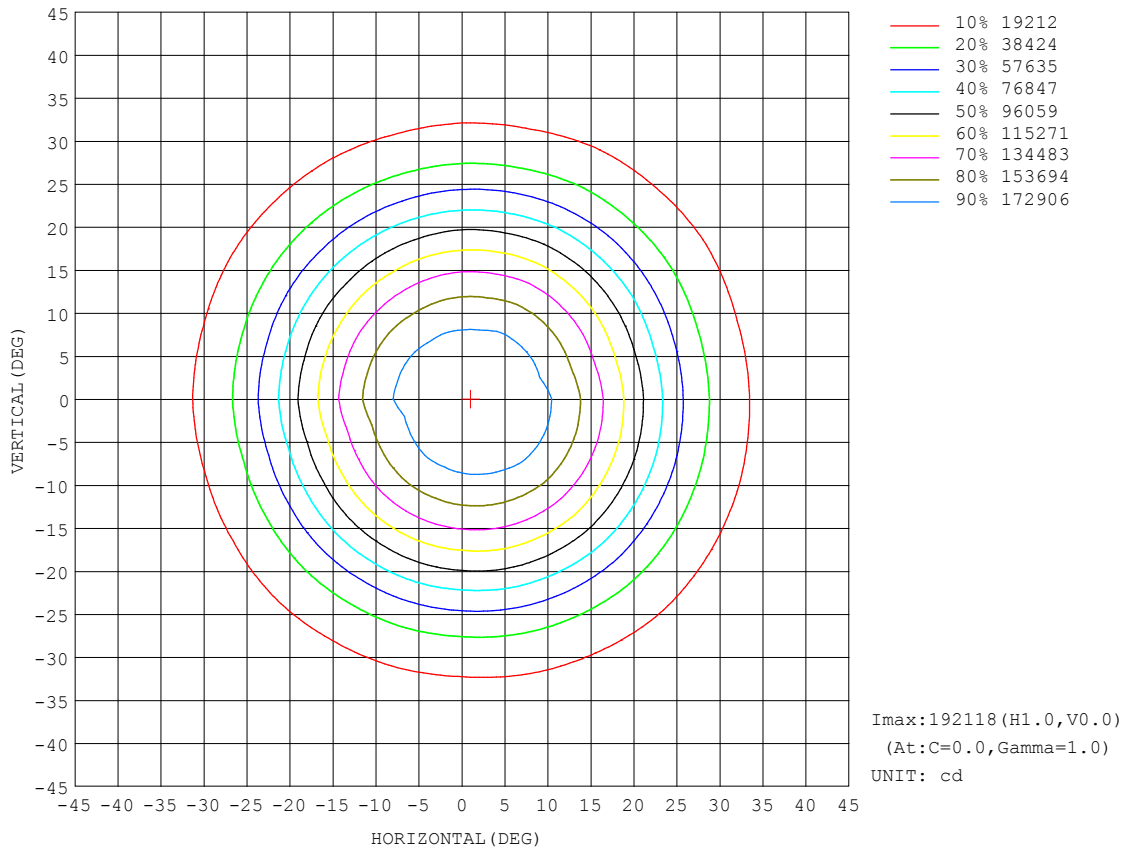
one-half-peak spread: U:20.0,D:19.8 , L:20.2,R:20.2 NEMA Beam Type: Type 4

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9688]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:277.54V I:2.6497A P:735.40W PF:0.9687 Freq:50.03Hz Lamp Flux:95654.1x1 lm		
NAME: ASD-SPFL-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

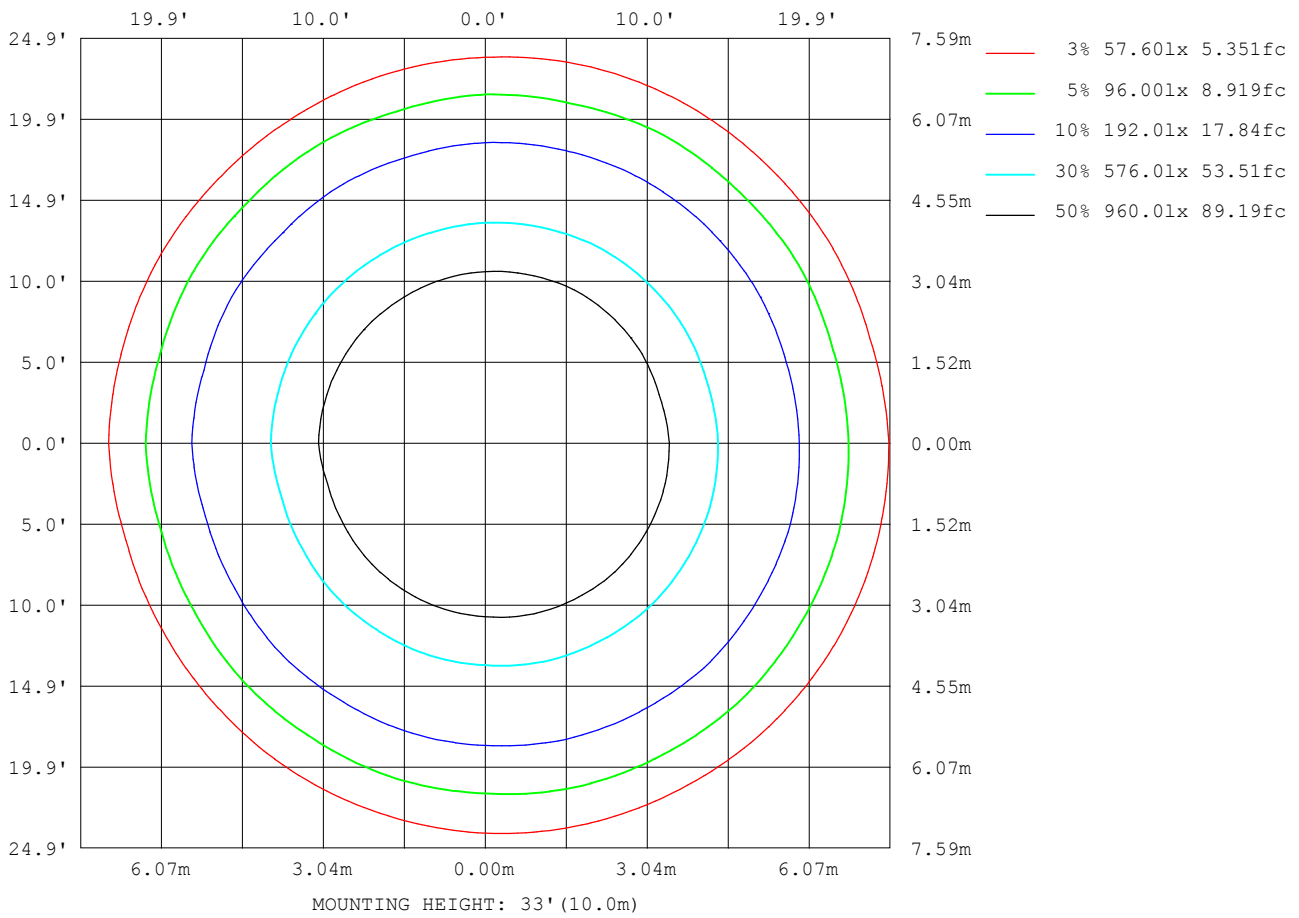


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 Humidity:65.0%  
 Test Distance:8.000m [K=0.9688]  
 Remarks:

**ISOLUX DIAGRAM**

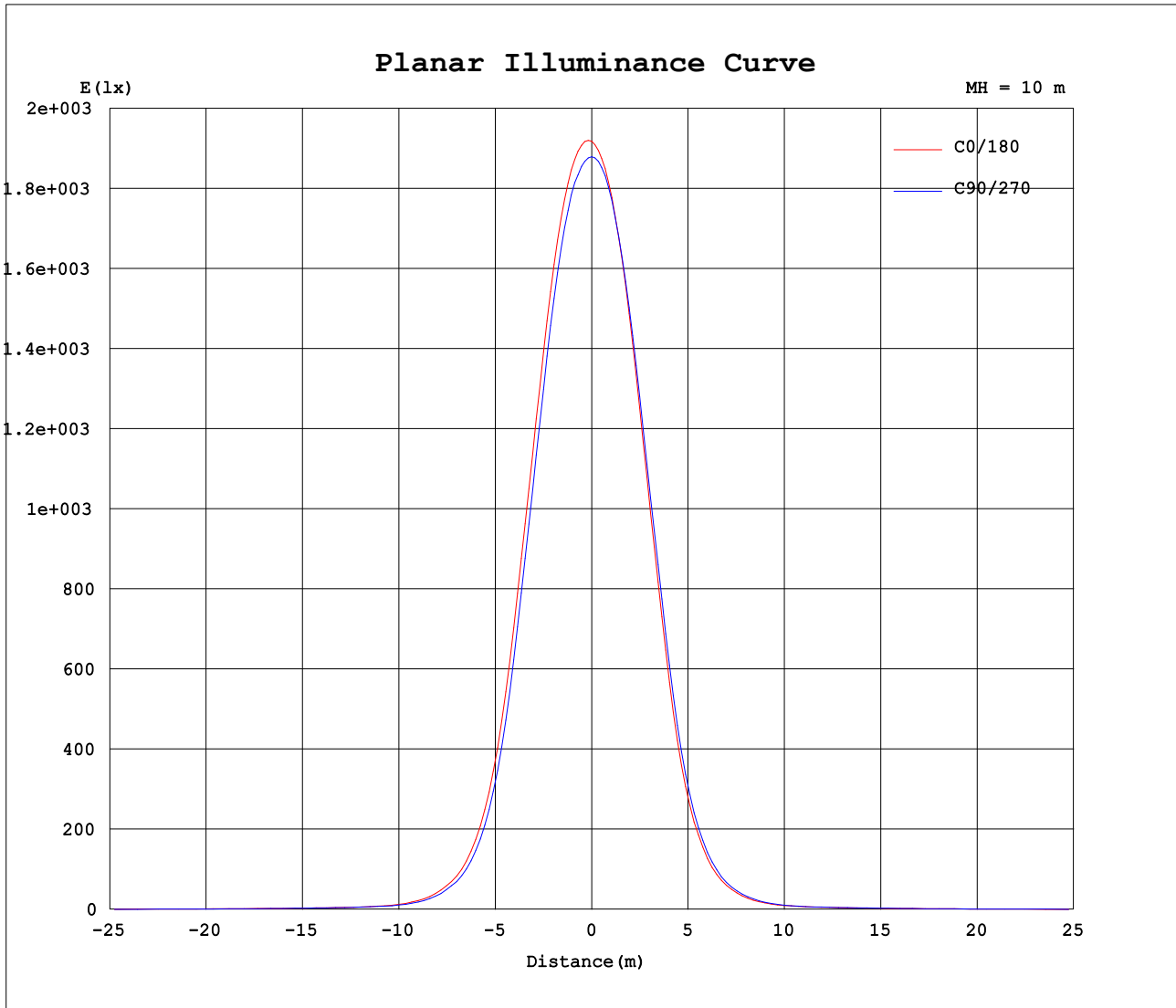
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**Planar Illuminance Curve**

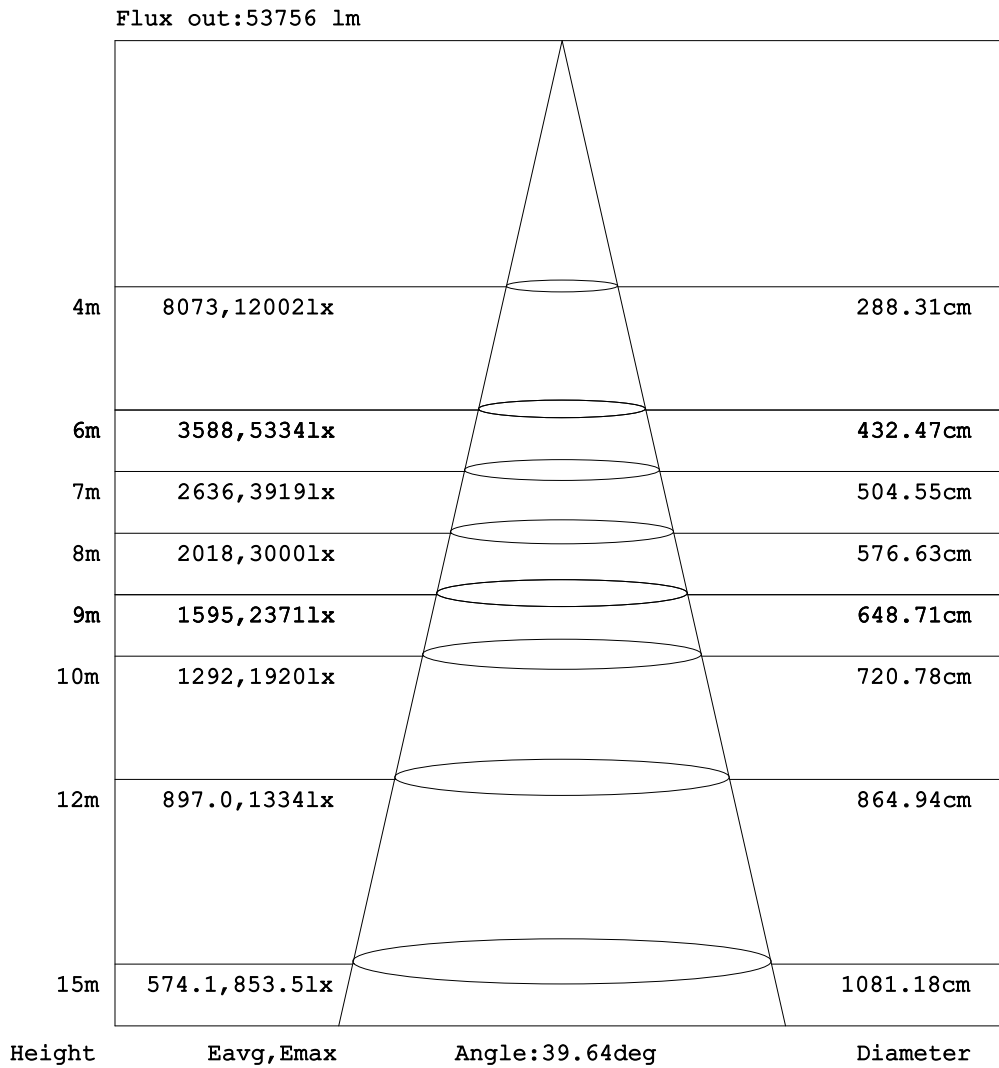


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 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 23 October 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.9688]  
 Remarks:

**AAI Figure**

Test:U:277.54V I:2.6497A P:735.40W PF:0.9687 Freq:50.03Hz Lamp Flux:95654.1x1 lm		
NAME: ASD-SPFL-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.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9688]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.54V I:2.6497A P:735.40W PF:0.9687 Freq:50.03Hz Lamp Flux:95654.1x1 lm		
NAME: ASD-SPFL-750D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: ×100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.11	0.16	0.22	0.29	0.37	0.47	0.64	0.96	1.52	2.42	3.71	5.32	7.07	8.57	9.61	10.3	10.9	11.4	10.6
-170	0.11	0.16	0.21	0.27	0.34	0.43	0.60	0.92	1.47	2.34	3.48	4.76	5.98	7.04	7.97	8.81	9.34	10.9	10.4
-160	0.11	0.15	0.20	0.25	0.30	0.38	0.51	0.78	1.24	1.91	2.80	3.80	4.88	5.96	7.00	7.69	8.29	8.68	8.75
-150	0.11	0.15	0.19	0.23	0.26	0.31	0.41	0.59	0.88	1.31	1.89	2.59	3.35	4.14	4.88	5.47	5.89	6.15	6.18
-140	0.11	0.14	0.17	0.20	0.22	0.26	0.33	0.43	0.58	0.79	1.07	1.42	1.83	2.28	2.73	3.06	3.30	3.44	3.45
-130	0.11	0.14	0.16	0.17	0.19	0.22	0.26	0.31	0.38	0.46	0.57	0.70	0.84	1.00	1.15	1.28	1.38	1.44	1.44
-120	0.11	0.13	0.14	0.15	0.16	0.18	0.21	0.23	0.26	0.29	0.33	0.37	0.41	0.45	0.48	0.51	0.53	0.54	0.54
-110	0.11	0.12	0.13	0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.23	0.24	0.25	0.25	0.26	0.26	0.26	0.26
-100	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16
-90	0.11	0.11	0.10	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08
-80	0.11	0.15	0.28	0.43	0.61	0.80	1.04	1.30	1.59	1.89	2.15	2.38	2.58	2.82	3.03	3.20	3.32	3.41	3.45
-70	0.11	0.30	0.68	1.18	1.84	2.60	3.39	4.25	5.13	5.99	6.75	7.43	8.02	8.58	9.10	9.52	9.87	10.1	10.3
-60	0.11	0.48	1.19	2.25	3.46	4.81	6.24	7.70	9.12	10.5	11.7	12.6	13.5	14.3	15.0	15.6	16.1	16.3	16.4
-50	0.11	0.66	1.82	3.37	5.13	7.06	9.02	10.9	12.7	14.3	15.7	17.0	18.1	19.0	20.0	20.9	21.6	22.2	22.4
-40	0.11	0.84	2.44	4.46	6.70	9.07	11.4	13.5	15.5	17.4	19.1	20.7	22.8	25.9	31.5	40.2	49.8	57.2	60.9
-30	0.11	1.02	2.96	5.40	8.09	10.8	13.2	15.6	17.8	19.8	22.4	27.9	41.6	66.5	104	149	204	251	271
-20	0.11	1.15	3.37	6.14	9.18	12.1	14.7	17.1	19.3	22.3	29.6	51.5	96.0	178	315	504	710	877	953
-10	0.11	1.24	3.64	6.62	9.92	13.0	15.7	18.4	20.8	25.9	42.9	86.3	178	360	662	1026	1349	1569	1665
0	0.11	1.27	3.75	6.82	10.3	13.4	16.2	19.1	21.6	28.8	51.9	109	240	484	881	1294	1632	1837	1918
10	0.11	1.25	3.66	6.65	9.99	13.1	15.8	18.6	21.0	26.1	43.6	88.2	182	371	682	1043	1349	1554	1642
20	0.11	1.17	3.39	6.20	9.27	12.3	14.9	17.4	19.8	22.7	30.6	53.6	99.2	181	315	501	702	859	934
30	0.11	1.04	2.99	5.46	8.22	11.0	13.5	15.8	18.1	20.1	22.7	28.6	41.6	65.4	101	147	197	241	265
40	0.11	0.87	2.48	4.53	6.82	9.27	11.7	13.8	15.8	17.6	19.1	20.7	22.7	26.2	31.3	38.8	46.8	54.7	58.9
50	0.11	0.68	1.86	3.44	5.26	7.23	9.24	11.1	12.9	14.4	15.8	17.0	18.1	19.0	19.8	20.5	21.1	21.8	22.1
60	0.11	0.49	1.26	2.33	3.58	5.01	6.48	7.95	9.32	10.6	11.9	12.8	13.6	14.4	15.0	15.4	15.8	16.2	16.5
70	0.11	0.32	0.72	1.30	1.97	2.79	3.65	4.52	5.36	6.21	6.97	7.72	8.38	8.87	9.26	9.56	9.94	10.2	10.4
80	0.11	0.16	0.31	0.48	0.70	0.95	1.20	1.48	1.75	2.03	2.35	2.63	2.89	3.09	3.26	3.38	3.54	3.67	3.75
90	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11
100	0.11	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21
110	0.11	0.13	0.15	0.17	0.18	0.20	0.22	0.24	0.26	0.27	0.29	0.31	0.32	0.33	0.34	0.35	0.35	0.35	0.35
120	0.11	0.14	0.16	0.19	0.22	0.25	0.28	0.31	0.35	0.38	0.41	0.44	0.47	0.50	0.53	0.56	0.59	0.60	0.60
130	0.11	0.14	0.18	0.22	0.26	0.30	0.35	0.40	0.46	0.53	0.62	0.73	0.85	0.98	1.13	1.27	1.37	1.41	1.40
140	0.11	0.15	0.19	0.24	0.29	0.35	0.42	0.50	0.62	0.80	1.04	1.37	1.77	2.19	2.64	3.04	3.34	3.48	3.47
150	0.11	0.16	0.20	0.26	0.32	0.40	0.49	0.64	0.88	1.26	1.76	2.47	3.33	4.26	5.19	5.71	6.43	6.97	6.96
160	0.11	0.16	0.21	0.28	0.35	0.43	0.57	0.80	1.20	1.81	2.70	3.87	5.22	6.60	8.09	8.57	8.79	10.3	7.87
170	0.11	0.16	0.22	0.29	0.36	0.46	0.62	0.92	1.44	2.28	3.47	4.94	6.54	8.11	9.31	10.4	10.8	11.4	12.9
180	0.11	0.16	0.22	0.29	0.37	0.47	0.64	0.96	1.52	2.42	3.71	5.32	7.07	8.57	9.61	10.3	10.9	11.4	10.6

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
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γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9688]  
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NAME: ASD-SPFL-750D50-PRM	TYPE:	
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Table--2

UNIT: ×100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	10.0	9.30	8.59	7.91	6.90	5.68	4.35	3.07	2.02	1.21	0.72	0.45	0.32	0.24	0.19	0.15	0.11	0.23	
-170	10.4	9.84	8.82	7.74	6.58	5.30	3.99	2.80	1.82	1.11	0.67	0.43	0.31	0.24	0.19	0.15	0.11	0.23	
-160	8.57	8.12	7.39	6.47	5.39	4.26	3.15	2.18	1.41	0.88	0.57	0.39	0.29	0.22	0.18	0.14	0.11	0.23	
-150	6.00	5.63	5.08	4.38	3.58	2.79	2.06	1.44	0.96	0.64	0.45	0.33	0.26	0.21	0.17	0.14	0.11	0.23	
-140	3.32	3.07	2.73	2.32	1.90	1.48	1.11	0.81	0.59	0.44	0.34	0.27	0.22	0.19	0.16	0.13	0.11	0.23	
-130	1.37	1.26	1.13	0.99	0.83	0.68	0.56	0.45	0.37	0.31	0.26	0.22	0.19	0.17	0.14	0.12	0.10	0.23	
-120	0.52	0.50	0.46	0.43	0.39	0.35	0.31	0.28	0.25	0.23	0.20	0.18	0.16	0.14	0.13	0.11	0.10	0.23	
-110	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.14	0.13	0.12	0.11	0.10	0.09	0.23	
-100	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.11	0.23	
-90	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.21	0.23	0.25	0.24	0.23	0.23	
-80	3.54	3.58	3.57	3.51	3.40	3.25	3.11	2.95	2.76	2.43	2.09	1.76	1.46	1.19	0.93	0.65	0.41	0.23	
-70	10.3	10.2	10.1	9.82	9.49	9.06	8.56	7.96	7.23	6.37	5.45	4.53	3.65	2.80	1.98	1.22	0.63	0.23	
-60	16.5	16.4	16.2	15.8	15.3	14.7	13.9	13.1	11.9	10.5	9.12	7.62	6.11	4.62	3.23	1.91	0.88	0.23	
-50	22.5	22.2	21.7	21.1	20.3	19.5	18.5	17.3	15.9	14.2	12.5	10.6	8.55	6.48	4.47	2.65	1.14	0.23	
-40	60.8	56.1	47.6	38.1	30.8	26.0	22.9	20.9	19.1	17.3	15.3	13.2	10.8	8.16	5.63	3.31	1.37	0.23	
-30	270	238	186	135	91.6	58.6	36.8	26.2	22.1	19.9	17.6	15.2	12.6	9.61	6.61	3.88	1.58	0.23	
-20	937	817	629	424	255	140	76.9	41.7	26.8	21.8	19.4	16.6	13.8	10.7	7.35	4.31	1.75	0.23	
-10	1646	1503	1219	861	506	267	130	63.9	33.3	23.5	20.3	17.4	14.5	11.4	7.82	4.58	1.86	0.23	
0	1895	1750	1452	1056	633	322	152	72.8	36.2	24.1	20.6	17.7	14.7	11.6	7.97	4.66	1.89	0.23	
10	1617	1461	1184	832	484	249	122	60.3	31.9	22.9	19.9	17.2	14.3	11.3	7.79	4.57	1.86	0.23	
20	908	793	603	399	243	134	72.9	39.5	25.6	21.1	18.7	16.2	13.5	10.5	7.31	4.30	1.75	0.23	
30	257	223	178	128	84.9	54.4	34.9	25.7	21.5	19.3	17.1	14.7	12.1	9.45	6.55	3.87	1.58	0.23	
40	58.0	52.4	45.2	36.9	29.5	24.8	22.1	20.3	18.7	17.0	15.0	12.8	10.5	8.02	5.57	3.30	1.37	0.23	
50	22.1	21.8	21.3	20.7	19.9	19.0	18.0	16.8	15.5	14.1	12.4	10.5	8.44	6.37	4.43	2.63	1.15	0.23	
60	16.4	16.2	16.0	15.6	15.1	14.5	13.7	12.7	11.7	10.5	9.16	7.65	6.11	4.60	3.20	1.91	0.89	0.23	
70	10.4	10.2	10.0	9.80	9.46	9.05	8.52	7.89	7.15	6.38	5.54	4.65	3.72	2.82	1.97	1.24	0.63	0.23	
80	3.78	3.77	3.72	3.70	3.63	3.52	3.31	3.08	2.81	2.53	2.24	1.93	1.58	1.25	0.95	0.65	0.42	0.23	
90	0.11	0.12	0.12	0.14	0.16	0.17	0.18	0.19	0.20	0.22	0.24	0.26	0.26	0.26	0.26	0.25	0.24	0.23	
100	0.20	0.20	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.10	0.12	0.23	
110	0.34	0.34	0.33	0.32	0.31	0.29	0.28	0.26	0.24	0.23	0.21	0.19	0.17	0.15	0.13	0.11	0.10	0.23	
120	0.59	0.58	0.55	0.51	0.47	0.43	0.39	0.36	0.33	0.30	0.27	0.24	0.22	0.19	0.16	0.13	0.10	0.23	
130	1.36	1.28	1.16	1.01	0.87	0.74	0.63	0.53	0.45	0.38	0.34	0.30	0.26	0.22	0.18	0.14	0.11	0.23	
140	3.35	3.09	2.72	2.29	1.86	1.46	1.12	0.85	0.65	0.51	0.41	0.35	0.30	0.25	0.19	0.15	0.11	0.23	
150	6.74	6.24	5.48	4.60	3.67	2.77	1.99	1.39	0.97	0.69	0.51	0.41	0.33	0.26	0.20	0.15	0.11	0.23	
160	7.80	8.27	8.49	7.34	5.89	4.41	3.12	2.10	1.37	0.90	0.61	0.44	0.34	0.26	0.20	0.15	0.11	0.23	
170	11.4	10.5	10.5	9.13	7.52	5.76	4.10	2.76	1.78	1.11	0.69	0.46	0.33	0.26	0.20	0.15	0.11	0.23	
180	10.0	9.30	8.59	7.91	6.90	5.68	4.35	3.07	2.02	1.21	0.72	0.45	0.32	0.24	0.19	0.15	0.11	0.23	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:23 October 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9688]  
 Remarks: