

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

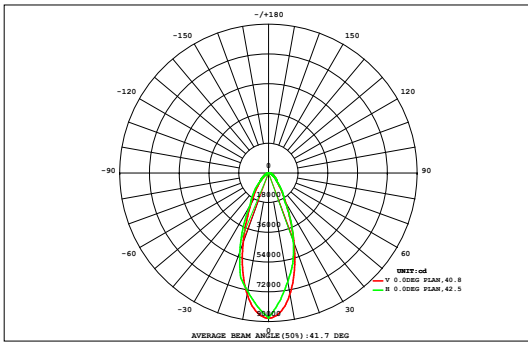
Maximum Intensity (Luminaire orientation as tested.)		1442.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	86.4V x 84.4H 42.5V x 40.8H 10.4V x 16.0H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.1 lumens per klm. 811.5 lumens per klm. 394.7 lumens per klm. 46.7 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 90DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2019-07-16

γ Range:-75 - 75DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:278.37V I:1.7215A P:479.20W PF:0.9786 Freq:49.99Hz Lamp Flux:60940.4x1 lm		
NAME: ASD-SPFL-500D57-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:127.17lm/W	
MODELASD-SPFL-500D57-PRM	Imax (cd)	87901	
NOMINAL POWER (W)	500	AVAILABILITY (%)	81.1
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	49433
NOMINAL FLUX (lm)	60940.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	60940
TEST VOLTAGE (V)	277	θ @50% (H, V)	41,43DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm				Φ t	Φ a
	4.86	8.75	13.8	19.1	24.4	29.9	34.7	38.4	40.3	40.3	38.4	34.7	29.9	24.4	19.1	13.8	8.75	4.86	428	0.00		
64	6.61	11.6	18.4	26.5	35.4	44.3	52.5	58.9	62.5	62.5	58.9	52.5	44.3	35.4	26.5	18.4	11.6	6.61	633	0.00		
56	8.02	14.8	24.1	36.2	50.8	66.7	82.6	96.1	104	104	96.1	82.6	66.7	50.8	36.2	24.1	14.8	8.02	967	0.00		
48	9.41	18.1	30.3	47.1	68.9	95.2	124	152	169	169	152	124	95.2	68.9	47.1	30.3	18.1	9.41	1429	317		
40	10.8	21.3	37.2	60.7	94.2	141	202	266	311	311	266	202	141	94.2	60.7	37.2	21.3	10.8	2289	1643		
32	12.1	24.4	44.0	74.8	123	200	312	445	539	539	445	312	200	123	74.8	44.0	24.4	12.1	3547	3035		
24	13.1	26.9	50.3	89.5	159	284	494	765	958	958	765	494	284	159	89.5	50.3	26.9	13.1	5680	5254		
	13.8	28.8	55.1	101	188	356	654	1039	1310	1310	1039	654	356	188	101	55.1	28.8	13.8	7494	7112		
	14.2	30.0	57.8	108	208	408	774	1228	1541	1541	1228	774	408	208	108	57.8	30.0	14.2	8737	8372		
	14.2	29.9	57.6	108	206	404	759	1196	1498	1498	1196	759	404	206	108	57.6	29.9	14.2	8544	8176		
	13.7	28.6	54.6	99.9	184	342	611	944	1181	1181	944	611	342	184	99.9	54.6	28.6	13.7	6920	6534		
-24	12.9	26.6	49.6	87.8	154	269	451	673	833	833	673	451	269	154	87.8	49.6	26.6	12.9	5114	4683		
-32	11.9	24.0	43.2	73.0	119	189	287	396	472	472	396	287	189	119	73.0	43.2	24.0	11.9	3230	2700		
-40	10.5	20.9	36.4	59.0	90.6	134	187	241	276	276	241	187	134	90.6	59.0	36.4	20.9	10.5	2110	1408		
-48	9.07	17.5	29.5	45.6	66.3	90.6	116	140	154	154	140	116	90.6	66.3	45.6	29.5	17.5	9.07	1338	198		
-56	7.61	14.2	23.3	35.0	48.8	63.7	78.1	90.1	97.0	97.0	90.1	78.1	63.7	48.8	35.0	23.3	14.2	7.61	915	0.00		
-64	6.16	11.0	17.6	25.5	33.9	42.4	50.2	56.3	59.6	59.6	56.3	50.2	42.4	33.9	25.5	17.6	11.0	6.16	605	0.00		
-72	4.47	8.10	12.9	18.0	23.2	28.4	33.1	36.6	38.5	38.5	36.6	33.1	28.4	23.2	18.0	12.9	8.10	4.47	407	0.00		
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72					
Φ t	184	366	656	1115	1877	3188	5302	7862	9646	9646	7862	5302	3188	1877	1115	656	366	184	60388	---		
Φ a	0.00	0.00	0.00	68.1	1073	2509	4703	7286	9077	9077	7286	4703	2509	1073	68.1	0.00	0.00	0.00	---	49433		

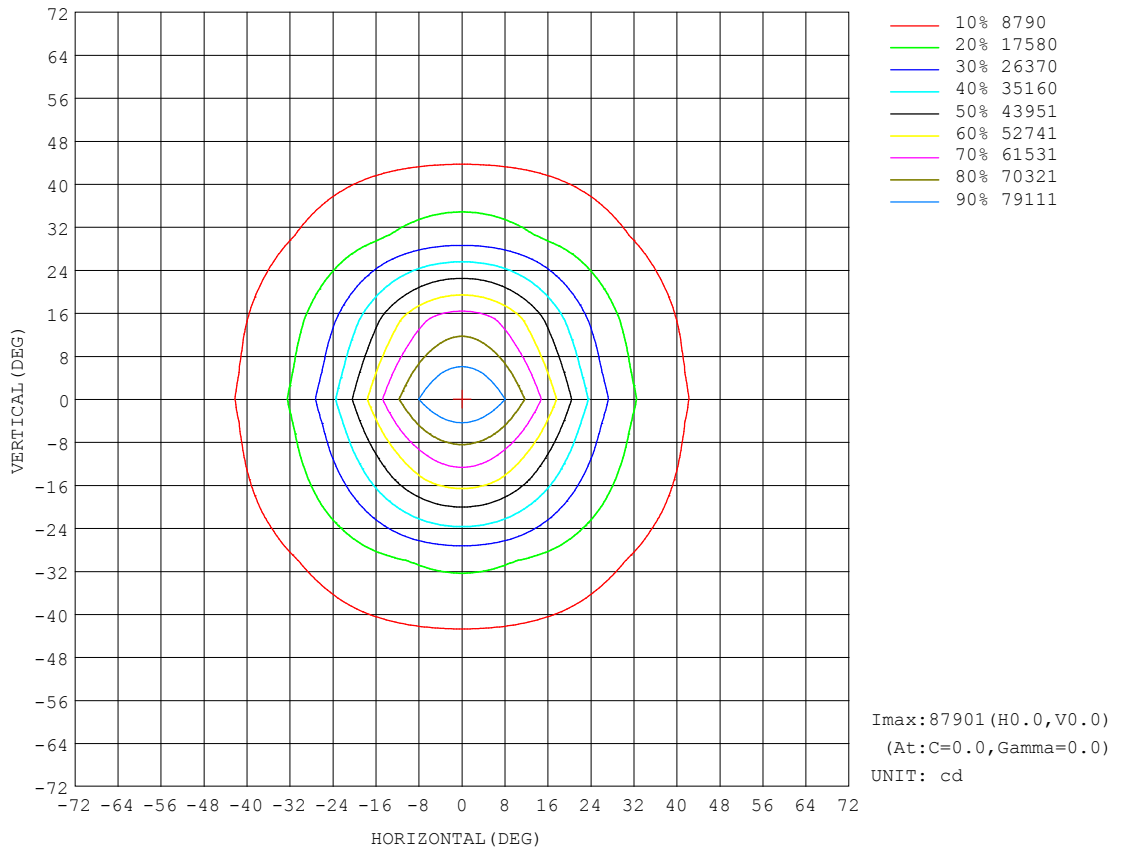
one-half-peak spread: U:20.2,D:22.6 , L:20.6,R:20.6 NEMA Beam Type: Type 5

C Range: 0 - 90DEG
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 Test Speed: HIGH
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ISOCANDELA DIAGRAM

Test:U:278.37V I:1.7215A P:479.20W PF:0.9786 Freq:49.99Hz Lamp Flux:60940.4x1 lm		
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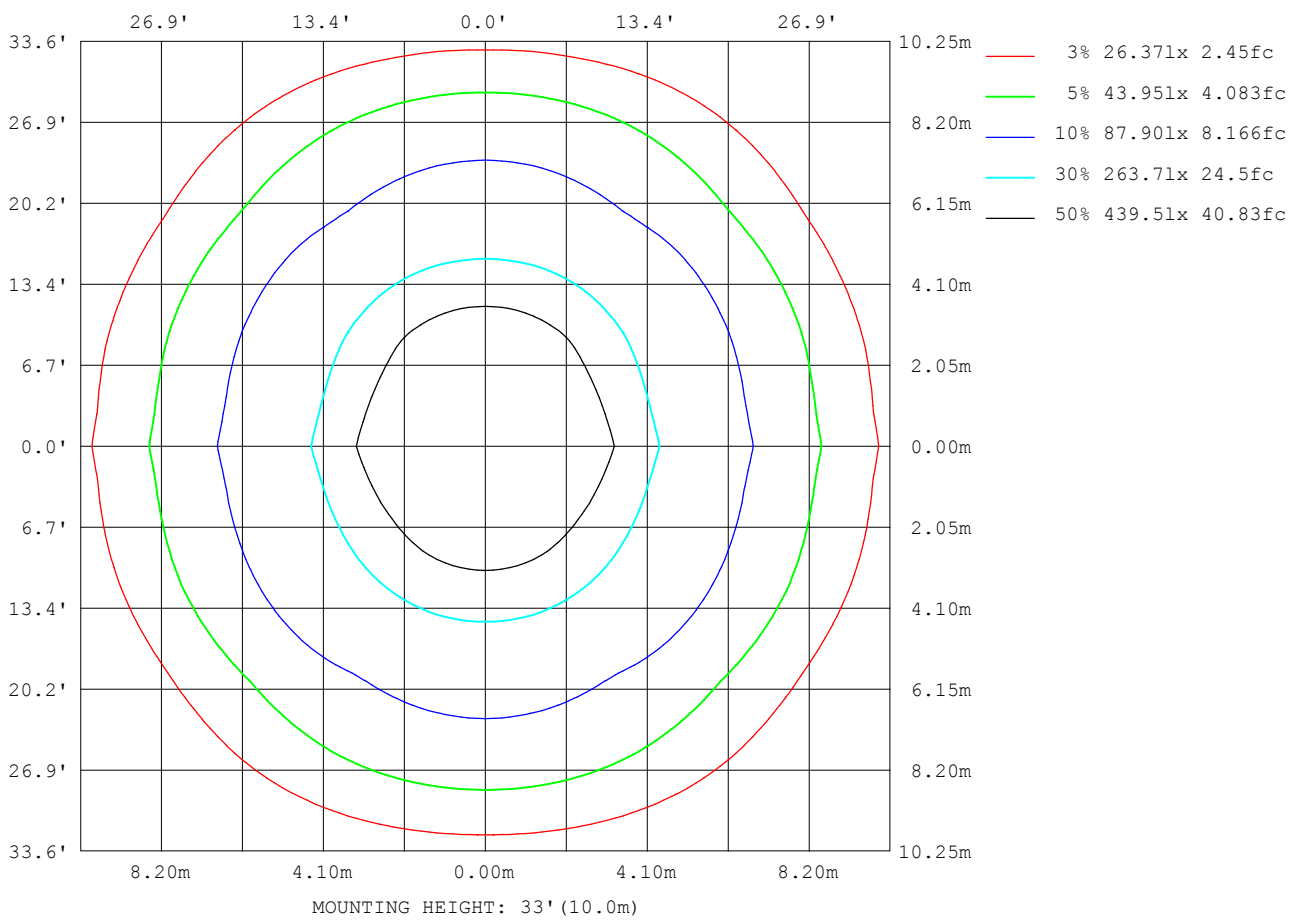


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ISOLUX DIAGRAM

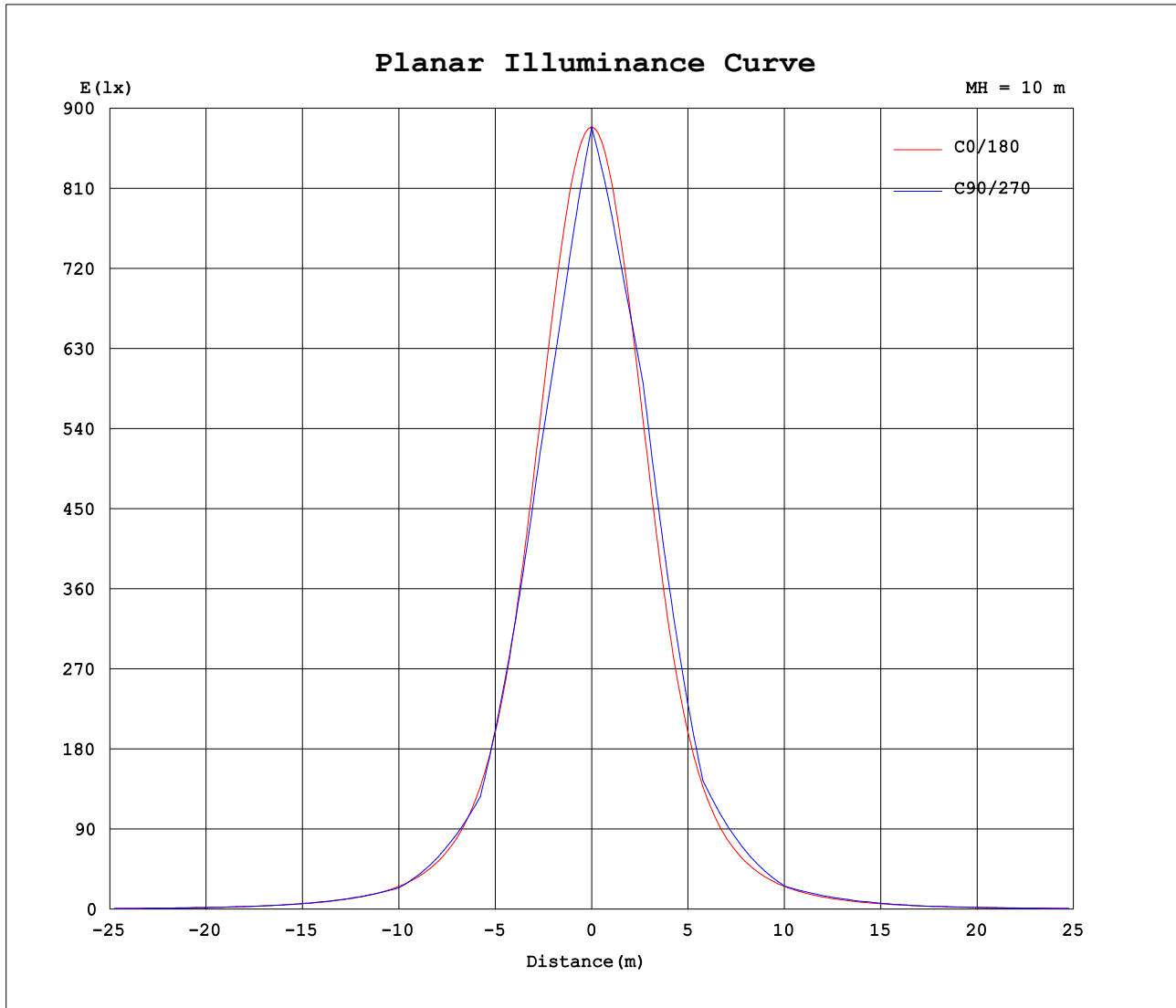
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Planar Illuminance Curve

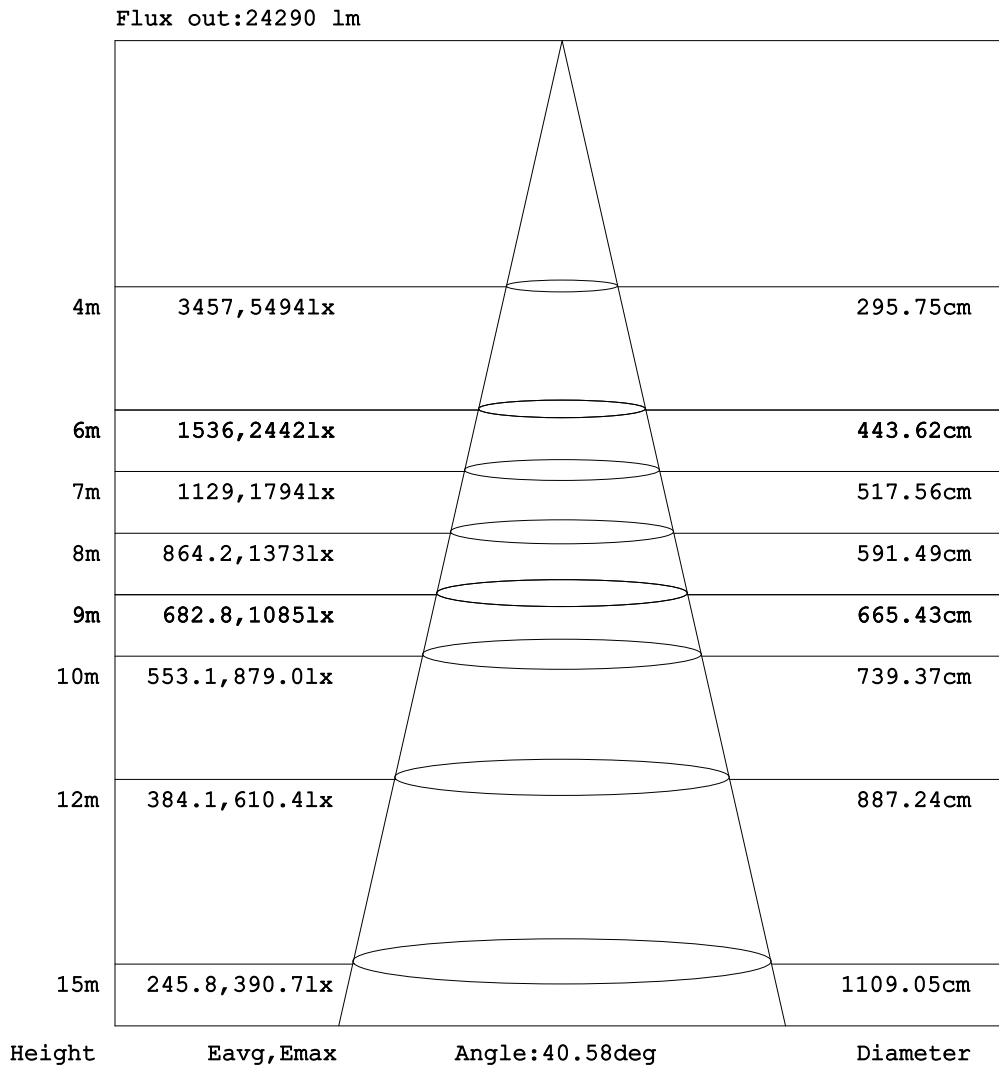


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 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

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NAME: ASD-SPFL-500D57-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



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

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 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2019-07-16

γ Range:-75 - 75DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:278.37V I:1.7215A P:479.20W PF:0.9786 Freq:49.99Hz Lamp Flux:60940.4x1 lm		
NAME: ASD-SPFL-500D57-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: ×10cd

H (DEG) \ V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.85	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
-85	0.85	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	0.85	0.27	0.77	1.03	1.35	3.04	1.21	3.44	1.94	2.14	2.87	2.95	2.72	1.55	1.98	2.54	2.47	0.83	0.00
-75	0.85	1.18	5.60	17.4	31.7	44.6	55.3	66.8	76.0	80.1	84.4	90.2	97.3	102	106	111	112	115	116
-70	0.85	2.36	13.2	32.6	49.3	62.3	75.4	89.7	103	114	123	133	143	152	160	167	171	174	175
-65	0.85	3.60	21.5	46.7	65.1	78.1	93.3	111	128	144	159	174	188	201	212	222	229	233	235
-60	0.85	5.04	30.1	59.3	77.5	93.1	112	132	154	176	196	216	234	252	267	279	288	294	294
-55	0.85	6.87	38.7	69.8	88.0	108	132	158	186	216	247	278	309	338	366	390	409	421	425
-50	0.85	9.34	46.5	76.1	97.8	124	153	185	220	258	299	342	386	428	467	503	531	549	556
-45	0.85	12.2	53.6	81.7	108	139	174	213	254	300	352	408	466	523	577	622	659	686	688
-40	0.85	15.2	59.2	87.3	118	155	195	241	294	356	428	510	605	709	820	927	1022	1086	1109
-35	0.85	18.1	63.7	93.0	129	170	216	270	335	413	504	614	746	899	1068	1241	1393	1501	1541
-30	0.85	21.1	67.5	98.6	139	184	236	299	376	470	584	725	900	1112	1336	1578	1768	1917	1954
-25	0.85	23.7	70.7	104	147	196	253	325	415	528	673	867	1126	1465	1882	2346	2783	3094	3208
-20	0.85	26.1	73.3	108	154	207	270	350	453	588	769	1024	1377	1852	2453	3138	3785	4246	4412
-15	0.85	28.1	75.4	112	161	215	283	374	486	640	853	1162	1597	2209	3006	3934	4822	5453	5688
-10	0.85	29.8	77.0	115	165	222	293	387	510	677	916	1269	1786	2537	3522	4651	5687	6425	6691
-5	0.85	30.9	78.2	117	168	227	301	398	526	700	963	1355	1941	2811	4017	5378	6605	7476	7791
0	0.85	31.6	78.8	118	170	230	307	407	544	735	1021	1457	2128	3144	4520	6081	7466	8438	8790
5	0.85	31.4	78.8	118	169	228	302	399	528	704	970	1368	1966	2861	4115	5546	6840	7751	8079
10	0.85	30.7	78.3	116	166	224	294	389	514	683	927	1292	1832	2631	3715	4986	6161	6985	7279
15	0.85	29.6	77.2	114	162	217	286	377	492	651	871	1201	1669	2352	3294	4426	5517	6268	6553
20	0.85	28.0	75.7	110	156	209	273	354	460	598	787	1055	1436	1971	2683	3526	4330	4894	5094
25	0.85	25.9	73.7	106	150	199	257	329	421	539	692	899	1183	1564	2053	2619	3158	3537	3675
30	0.85	23.4	71.1	102	142	187	240	304	383	481	601	751	944	1184	1446	1741	1985	2180	2233
35	0.85	20.7	67.3	96.6	132	174	221	276	343	424	520	640	786	959	1155	1362	1551	1688	1740
40	0.85	18.0	62.6	91.4	122	159	201	247	302	367	442	531	634	751	880	1010	1128	1211	1243
45	0.85	15.4	56.8	85.9	112	144	180	219	261	310	365	425	488	553	615	668	713	746	748
50	0.85	11.9	50.1	80.2	103	130	159	192	227	267	311	356	403	450	495	536	570	592	600
55	0.85	8.68	42.6	73.4	93.7	114	138	164	193	224	257	290	323	355	386	413	435	449	454
60	0.85	6.68	33.8	62.4	82.9	99.9	118	139	161	183	204	225	245	263	278	291	300	306	306
65	0.85	4.60	24.3	49.2	69.9	84.8	99.8	117	135	152	167	182	197	210	222	232	239	244	245
70	0.85	2.69	15.1	34.5	53.2	68.7	82.3	97.2	111	121	130	141	151	160	168	175	180	183	184
75	0.85	1.16	6.72	19.6	34.4	49.3	61.1	71.9	82.9	89.6	92.7	97.4	104	109	113	117	119	121	122
80	0.85	0.24	0.93	1.17	1.49	3.35	1.34	3.73	2.09	2.36	3.18	3.19	2.92	1.65	2.10	2.69	2.62	0.88	0.00
85	0.85	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	0.85	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

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NAME: ASD-SPFL-500D57-PRM	TYPE:	
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Table--2

UNIT: ×10cd

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	0.85	
-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	0.85	
-80	0.83	2.47	2.54	1.98	1.55	2.72	2.95	2.87	2.14	1.94	3.44	1.21	3.04	1.35	1.03	0.77	0.27	0.85	
-75	115	112	111	106	102	97.3	90.2	84.4	80.1	76.0	66.8	55.3	44.6	31.7	17.4	5.60	1.18	0.85	
-70	174	171	167	160	152	143	133	123	114	103	89.7	75.4	62.3	49.3	32.6	13.2	2.36	0.85	
-65	233	229	222	212	201	188	174	159	144	128	111	93.3	78.1	65.1	46.7	21.5	3.60	0.85	
-60	294	288	279	267	252	234	216	196	176	154	132	112	93.1	77.5	59.3	30.1	5.04	0.85	
-55	421	409	390	366	338	309	278	247	216	186	158	132	108	88.0	69.8	38.7	6.87	0.85	
-50	549	531	503	467	428	386	342	299	258	220	185	153	124	97.8	76.1	46.5	9.34	0.85	
-45	686	659	622	577	523	466	408	352	300	254	213	174	139	108	81.7	53.6	12.2	0.85	
-40	1086	1022	927	820	709	605	510	428	356	294	241	195	155	118	87.3	59.2	15.2	0.85	
-35	1501	1393	1241	1068	899	746	614	504	413	335	270	216	170	129	93.0	63.7	18.1	0.85	
-30	1917	1768	1578	1336	1112	900	725	584	470	376	299	236	184	139	98.6	67.5	21.1	0.85	
-25	3094	2783	2346	1882	1465	1126	867	673	528	415	325	253	196	147	104	70.7	23.7	0.85	
-20	4246	3785	3138	2453	1852	1377	1024	769	588	453	350	270	207	154	108	73.3	26.1	0.85	
-15	5453	4822	3934	3006	2209	1597	1162	853	640	486	374	283	215	161	112	75.4	28.1	0.85	
-10	6425	5687	4651	3522	2537	1786	1269	916	677	510	387	293	222	165	115	77.0	29.8	0.85	
-5	7476	6605	5378	4017	2811	1941	1355	963	700	526	398	301	227	168	117	78.2	30.9	0.85	
0	8438	7466	6081	4520	3144	2128	1457	1021	735	544	407	307	230	170	118	78.8	31.6	0.85	
5	7751	6840	5546	4115	2861	1966	1368	970	704	528	399	302	228	169	118	78.8	31.4	0.85	
10	6985	6161	4986	3715	2631	1832	1292	927	683	514	389	294	224	166	116	78.3	30.7	0.85	
15	6268	5517	4426	3294	2352	1669	1201	871	651	492	377	286	217	162	114	77.2	29.6	0.85	
20	4894	4330	3526	2683	1971	1436	1055	787	598	460	354	273	209	156	110	75.7	28.0	0.85	
25	3537	3158	2619	2053	1564	1183	899	692	539	421	329	257	199	150	106	73.7	25.9	0.85	
30	2180	1985	1741	1446	1184	944	751	601	481	383	304	240	187	142	102	71.1	23.4	0.85	
35	1688	1551	1362	1155	959	786	640	520	424	343	276	221	174	132	96.6	67.3	20.7	0.85	
40	1211	1128	1010	880	751	634	531	442	367	302	247	201	159	122	91.4	62.6	18.0	0.85	
45	746	713	668	615	553	488	425	365	310	261	219	180	144	112	85.9	56.8	15.4	0.85	
50	592	570	536	495	450	403	356	311	267	227	192	159	130	103	80.2	50.1	11.9	0.85	
55	449	435	413	386	355	323	290	257	224	193	164	138	114	93.7	73.4	42.6	8.68	0.85	
60	306	300	291	278	263	245	225	204	183	161	139	118	99.9	82.9	62.4	33.8	6.68	0.85	
65	244	239	232	222	210	197	182	167	152	135	117	99.8	84.8	69.9	49.2	24.3	4.60	0.85	
70	183	180	175	168	160	151	141	130	121	111	97.2	82.3	68.7	53.2	34.5	15.1	2.69	0.85	
75	121	119	117	113	109	104	97.4	92.7	89.6	82.9	71.9	61.1	49.3	34.4	19.6	6.72	1.16	0.85	
80	0.88	2.62	2.69	2.10	1.65	2.92	3.19	3.18	2.36	2.09	3.73	1.34	3.35	1.49	1.17	0.93	0.24	0.85	
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	0.85	
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	0.85	

C Range: 0 - 90DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:2019-07-16

γ Range:-75 - 75DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: