

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560026

Luminaire Tested: **SDL-PA1-20-740-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560026
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-740-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2302.1 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

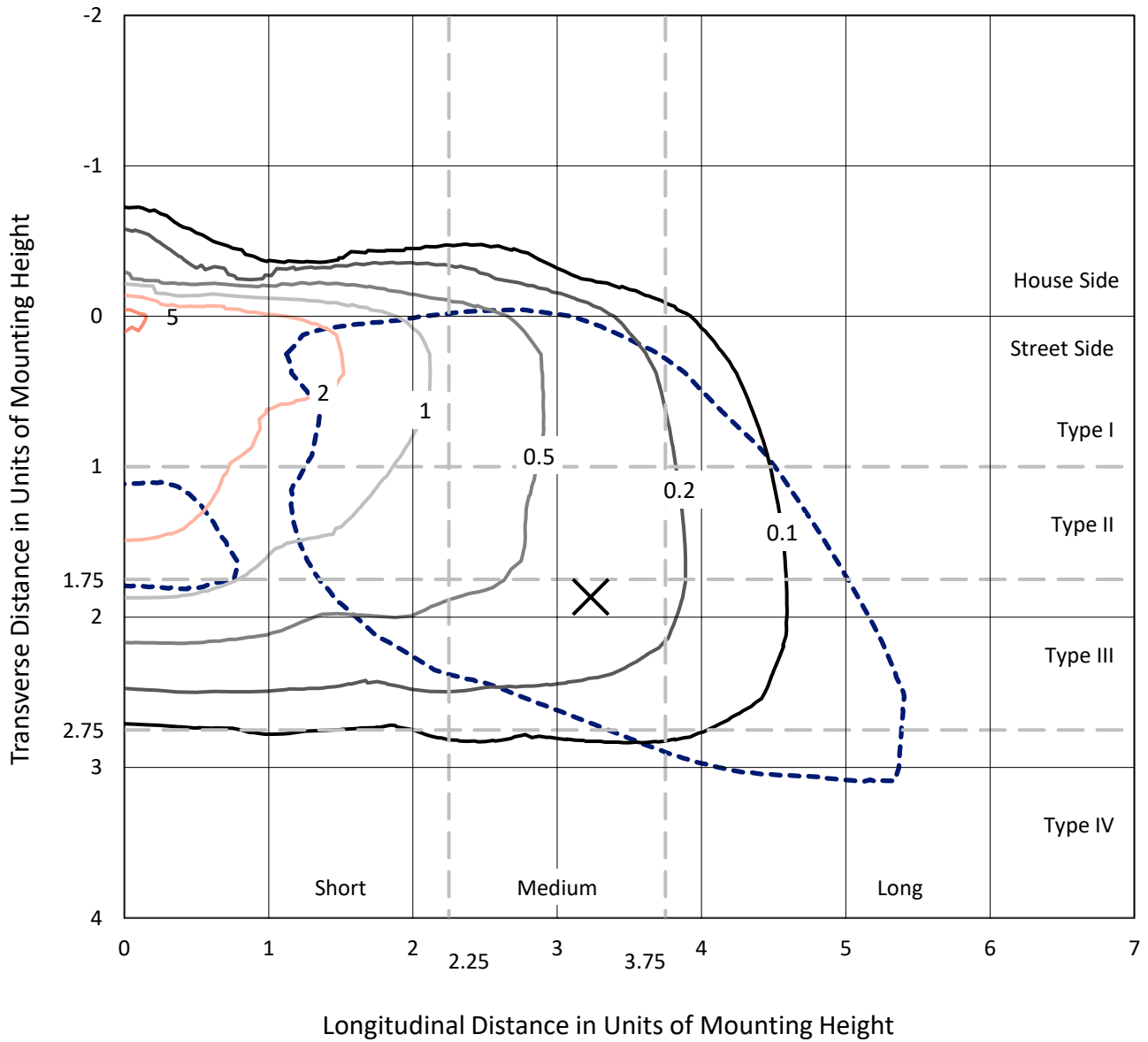
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

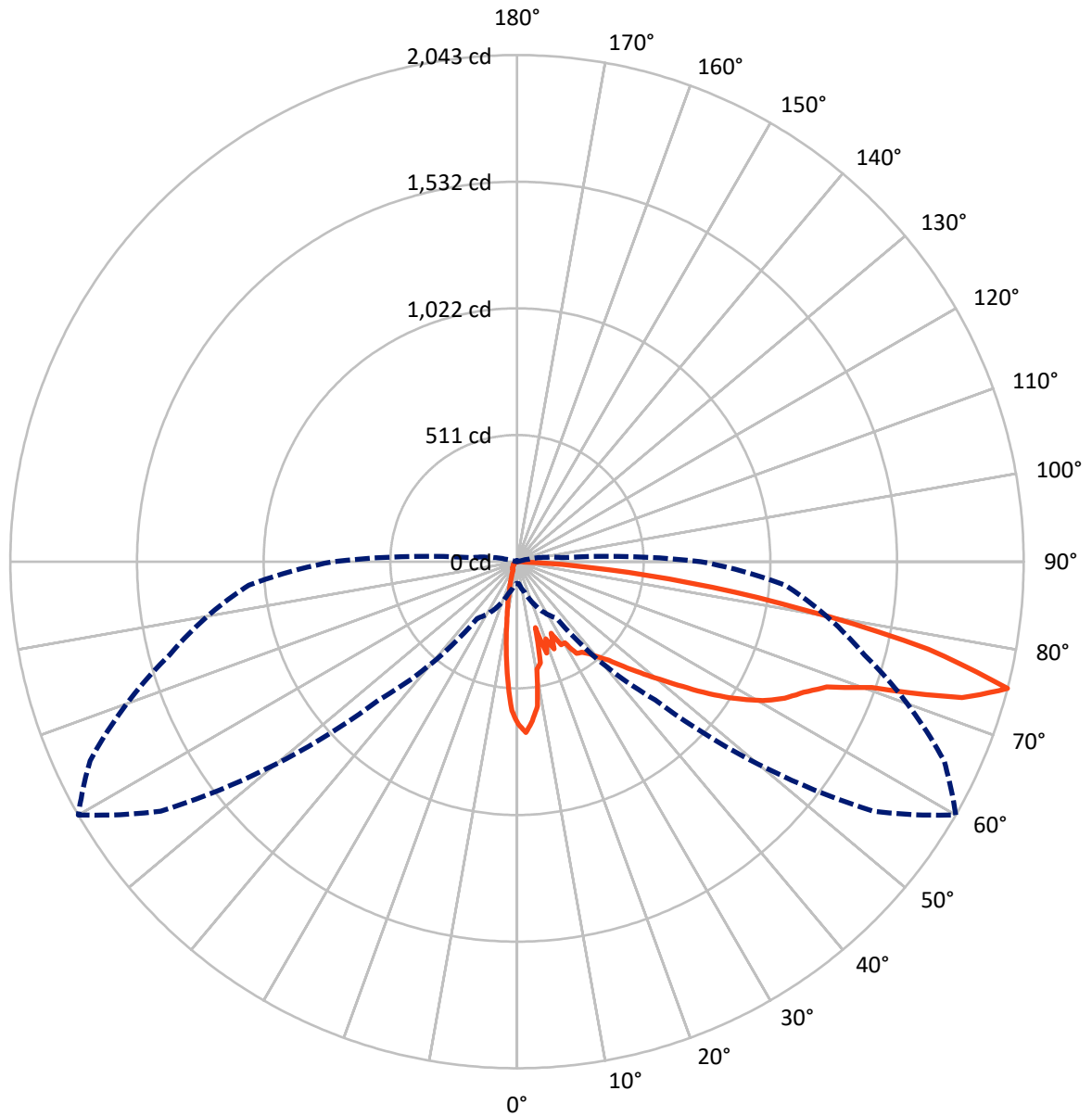
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560026
CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

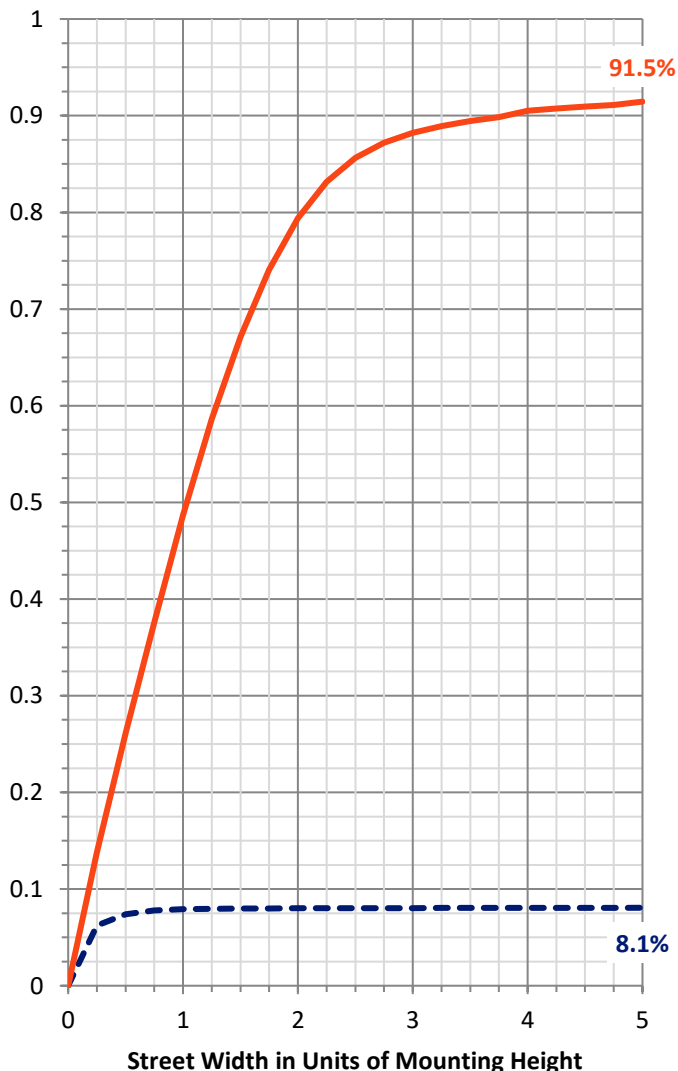
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.5	0.0	187.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2114.5	0.0	2114.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	2302.1	0.0	2302.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	2.0
10°-20°	75.3	3.3
20°-30°	107.9	4.7
30°-40°	192.1	8.3
40°-50°	316.2	13.7
50°-60°	487.6	21.2
60°-70°	568.3	24.7
70°-80°	440.4	19.1
80°-90°	68.8	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2302.1	100.0
0°-180°	2302.1	100.0

Coefficient of Utilization



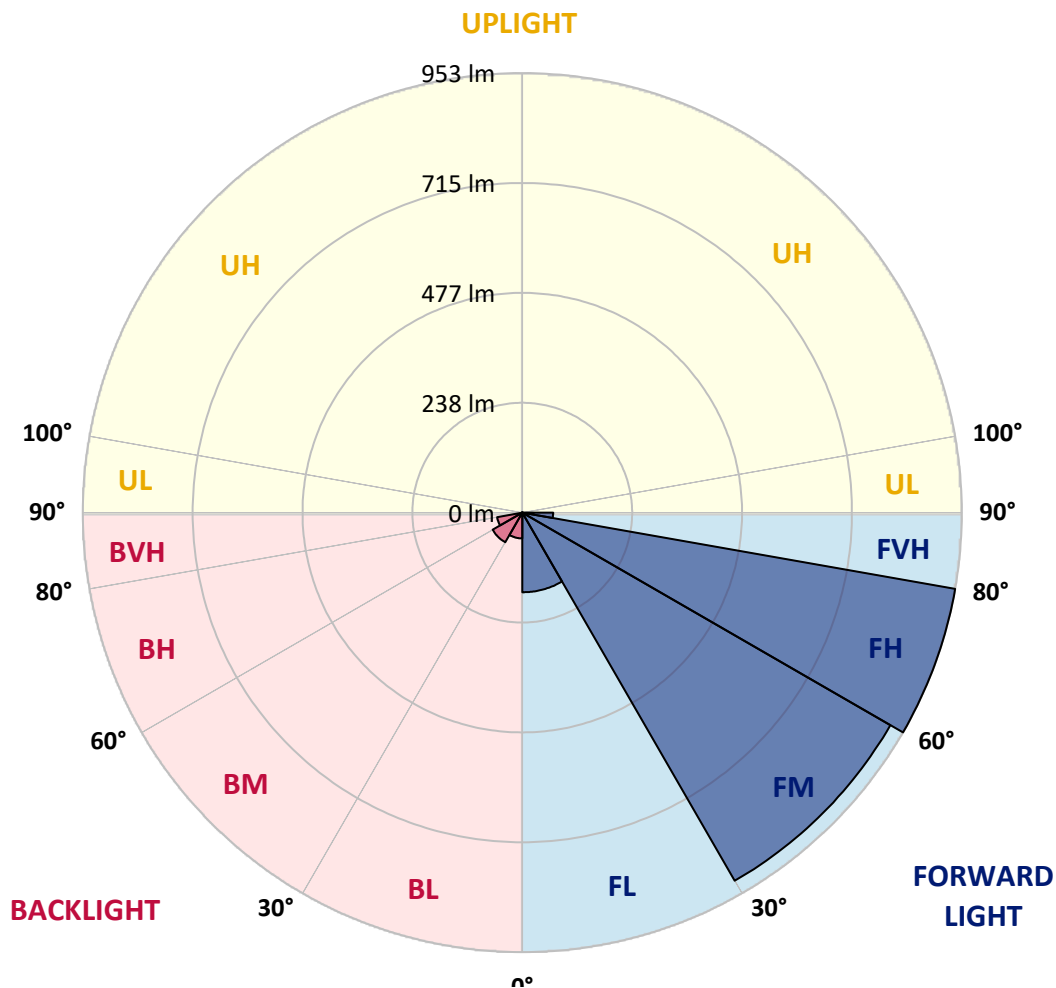
REPORT NUMBER: P560026

CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.7	7.5			
FM (30°-60°)	921.8	40.0			
FH (60°-80°)	953.2	41.4			G1/1800
FVH (80°-90°)	66.9	2.9			G1/100
BL (0°-30°)	55.9	2.4	B0/110		
BM (30°-60°)	74.3	3.2	B0/220		
BH (60°-80°)	55.5	2.4	B0/110		G0/110
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Medium





REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	656	656	656	656	656	656	656	656	656	656	656
2.5°	613	636	650	663	680	697	698	699	699	699	698
5°	592	594	594	594	597	600	602	603	604	604	603
7.5°	463	500	523	545	551	557	565	572	578	583	587
10°	513	517	517	516	521	525	486	446	462	478	458
12.5°	396	416	441	465	481	497	479	461	433	404	402
15°	463	466	467	468	441	413	380	346	369	392	359
17.5°	356	359	387	415	418	421	400	378	330	282	327
20°	426	428	428	428	375	322	326	329	344	359	348
22.5°	343	339	341	342	358	373	342	310	333	355	336
25°	429	430	424	417	370	322	339	355	328	300	327
27.5°	388	384	370	356	363	370	338	305	331	356	344
30°	511	509	491	472	416	359	353	346	331	315	336
32.5°	682	658	591	523	488	452	408	364	369	373	376
35°	720	709	680	651	597	542	482	421	407	393	401
37.5°	730	726	722	717	653	589	529	468	457	445	436
40°	740	744	756	767	707	647	591	534	521	508	485
42.5°	780	783	801	819	761	702	653	604	585	566	545
45°	865	868	878	888	834	779	725	670	655	639	615
47.5°	983	986	981	976	914	851	787	723	718	713	688
50°	1118	1114	1087	1060	992	924	849	773	777	781	763
52.5°	1180	1178	1147	1116	1046	975	897	818	832	845	835
55°	1176	1175	1154	1133	1067	1001	928	855	887	918	912
57.5°	1132	1134	1131	1128	1070	1012	953	894	942	989	997
60°	1063	1063	1078	1092	1058	1023	974	924	990	1056	1076
62.5°	919	935	967	999	1010	1021	981	941	1032	1123	1152
65°	708	715	773	831	885	938	941	944	1083	1221	1231
67.5°	411	440	504	567	673	778	832	886	1105	1323	1334
70°	216	228	259	289	384	478	612	745	1054	1362	1458
72.5°	148	159	176	193	229	264	360	455	839	1223	1521
75°	87	90	111	132	171	210	245	279	534	788	1271
77.5°	35	38	47	56	111	165	201	237	298	359	873
80°	19	19	23	26	50	73	135	197	227	257	566
82.5°	11	11	14	16	25	34	77	120	177	233	382
85°	4	4	5	6	12	17	28	38	110	181	220
87.5°	1	1	2	2	3	4	5	5	4	3	20
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	656	656	656	656	656	656	656	656	656	656	656
2.5°	696	690	686	679	672	666	659	650	643	634	625
5°	602	644	687	683	678	664	650	634	619	601	583
7.5°	590	589	548	569	589	573	557	539	519	484	449
10°	438	441	440	445	450	463	475	449	424	369	313
12.5°	400	419	424	390	356	370	384	358	333	282	231
15°	325	276	346	392	437	444	450	416	376	306	235
17.5°	371	388	368	369	369	370	371	340	300	247	194
20°	337	332	334	367	400	422	443	396	345	263	180
22.5°	317	382	410	396	382	347	311	275	233	192	150
25°	353	319	341	395	449	449	449	387	318	230	142
27.5°	332	379	401	444	486	504	521	442	351	242	132
30°	357	379	457	543	629	614	598	497	382	254	126
32.5°	379	441	510	575	640	623	605	493	364	229	94
35°	409	449	513	592	671	645	618	495	350	210	70
37.5°	427	471	540	623	705	673	641	504	338	196	54
40°	461	505	574	661	748	711	673	520	331	188	45
42.5°	524	544	621	713	805	766	726	554	329	184	39
45°	590	603	671	774	876	836	795	596	336	187	37
47.5°	662	669	731	859	987	932	877	654	351	193	35
50°	745	745	805	943	1081	1024	967	722	370	202	34
52.5°	824	835	881	1022	1163	1110	1056	797	395	214	32
55°	905	940	957	1101	1245	1184	1123	852	410	220	30
57.5°	1005	1042	1051	1173	1295	1236	1176	899	421	225	29
60°	1096	1138	1156	1246	1335	1274	1213	940	431	229	26
62.5°	1180	1212	1240	1298	1356	1299	1241	976	437	230	23
65°	1241	1270	1310	1343	1376	1333	1290	1038	454	236	17
67.5°	1344	1347	1370	1397	1424	1401	1378	1124	474	244	13
70°	1553	1519	1489	1516	1542	1510	1478	1149	428	219	10
72.5°	1819	1876	1731	1675	1618	1500	1381	989	304	156	8
75°	1754	2043	1900	1675	1450	1268	1085	742	187	97	6
77.5°	1386	1696	1645	1413	1180	956	732	456	66	36	6
80°	875	1173	1129	918	706	502	298	139	25	16	7
82.5°	531	699	549	344	139	98	57	30	8	7	6
85°	258	289	189	109	28	26	23	15	4	4	3
87.5°	36	26	16	11	5	5	5	3	3	3	2
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	656	656	656	656	656	656	656	656	656	656	656
2.5°	618	610	601	592	582	572	543	513	497	480	476
5°	550	517	476	434	416	398	389	379	373	366	360
7.5°	403	356	356	355	340	325	308	290	279	268	239
10°	288	262	244	226	219	212	190	167	169	170	164
12.5°	223	214	181	148	137	126	119	112	102	92	85
15°	191	147	122	97	86	74	64	53	50	46	51
17.5°	157	119	95	71	55	39	41	43	47	51	53
20°	135	90	69	48	43	38	40	41	40	38	44
22.5°	110	70	53	35	36	37	34	31	37	43	43
25°	94	46	41	36	33	30	34	37	35	33	38
27.5°	86	40	35	30	31	32	31	29	32	35	34
30°	82	37	34	30	29	27	28	28	27	26	29
32.5°	66	38	33	27	26	24	23	22	23	24	25
35°	53	35	31	26	24	22	21	19	19	19	20
37.5°	43	32	28	23	21	19	18	16	16	16	16
40°	38	30	26	21	19	16	15	13	13	12	12
42.5°	33	27	23	18	16	14	12	10	10	9	9
45°	31	25	21	17	14	11	10	8	8	7	7
47.5°	30	24	20	15	12	9	8	6	6	6	6
50°	28	22	18	13	11	8	7	5	5	5	5
52.5°	27	21	16	11	9	6	5	4	4	4	4
55°	26	22	16	10	8	5	4	3	3	3	3
57.5°	25	21	15	8	6	4	3	2	2	2	2
60°	22	18	12	6	5	3	2	1	2	2	2
62.5°	19	14	10	5	4	2	2	1	2	2	2
65°	14	11	8	4	3	1	1	1	2	2	2
67.5°	11	8	6	3	2	1	1	1	2	2	2
70°	8	6	4	2	2	1	1	1	2	2	2
72.5°	6	4	3	2	2	1	2	2	2	2	2
75°	5	4	3	2	2	1	2	2	3	3	3
77.5°	5	3	3	2	2	1	2	3	3	3	3
80°	5	3	3	2	2	1	2	3	3	3	3
82.5°	5	3	3	2	2	1	2	3	3	3	3
85°	3	3	3	3	2	1	3	4	4	3	3
87.5°	2	2	3	3	2	1	3	4	4	3	3
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P560026
 CATALOG NUMBER: SDL-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	656	656	656	656
2.5°	471	466	460	472
5°	354	350	346	353
7.5°	210	211	211	200
10°	157	148	138	138
12.5°	78	72	66	65
15°	56	57	58	58
17.5°	55	53	50	48
20°	49	51	52	52
22.5°	43	42	40	40
25°	43	44	45	45
27.5°	33	33	32	32
30°	32	32	32	32
32.5°	25	26	26	26
35°	21	21	21	21
37.5°	16	16	16	15
40°	12	12	12	12
42.5°	9	9	9	9
45°	7	7	7	7
47.5°	6	6	5	5
50°	4	4	4	4
52.5°	3	3	3	3
55°	2	2	2	2
57.5°	2	2	2	2
60°	1	1	1	1
62.5°	1	1	1	1
65°	1	1	1	1
67.5°	1	1	1	1
70°	1	1	1	1
72.5°	2	2	1	1
75°	2	2	1	1
77.5°	2	2	1	1
80°	2	2	1	1
82.5°	2	2	1	1
85°	2	2	2	1
87.5°	2	2	2	1
90°	0	0	0	0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



--- HS — SS

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



u

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





(END OF REPORT)