

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: P560034

Luminaire Tested: **SDL-PA1-20-740-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560034
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-T2U-HSS
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1983 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

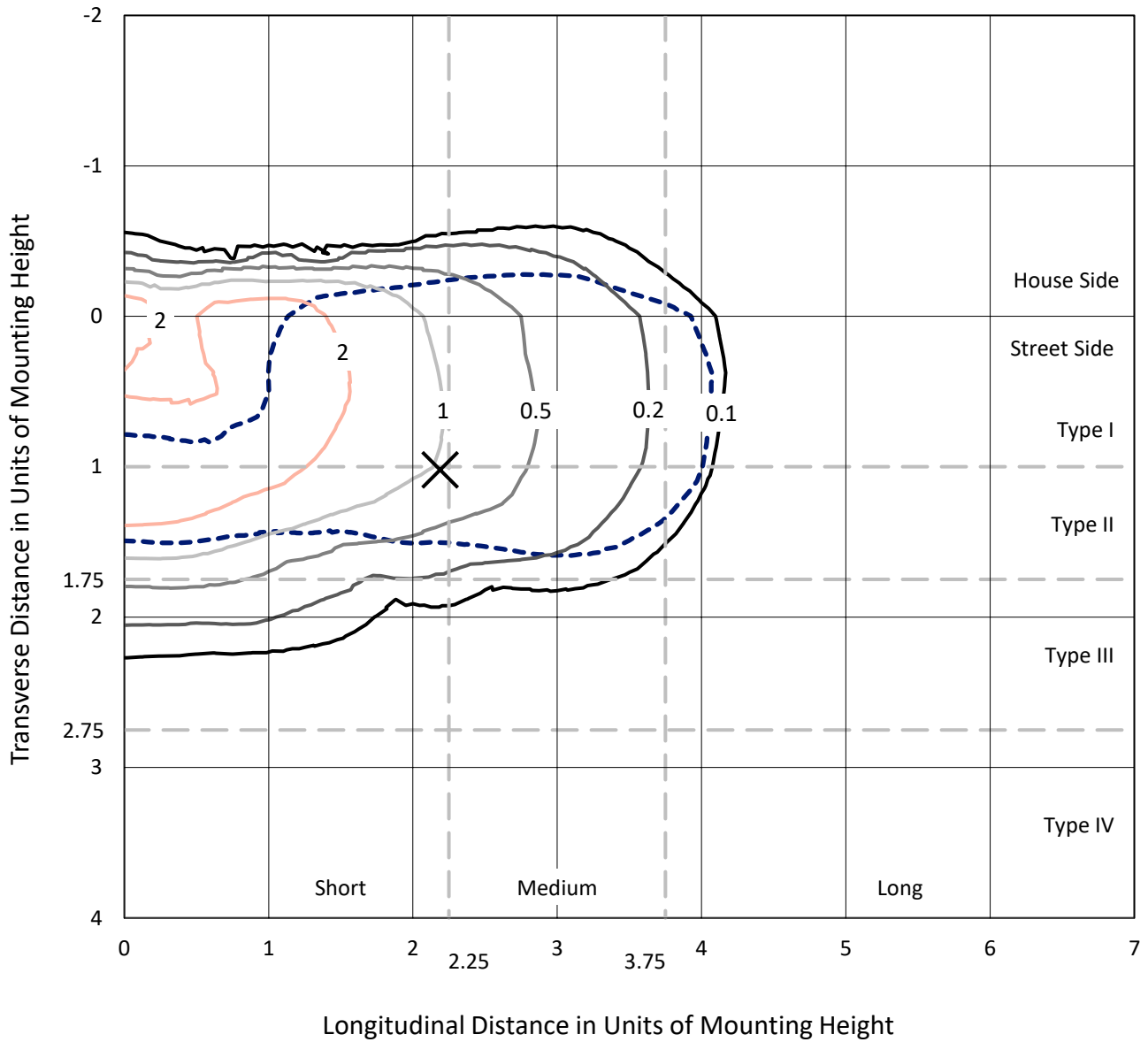
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560034
 CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

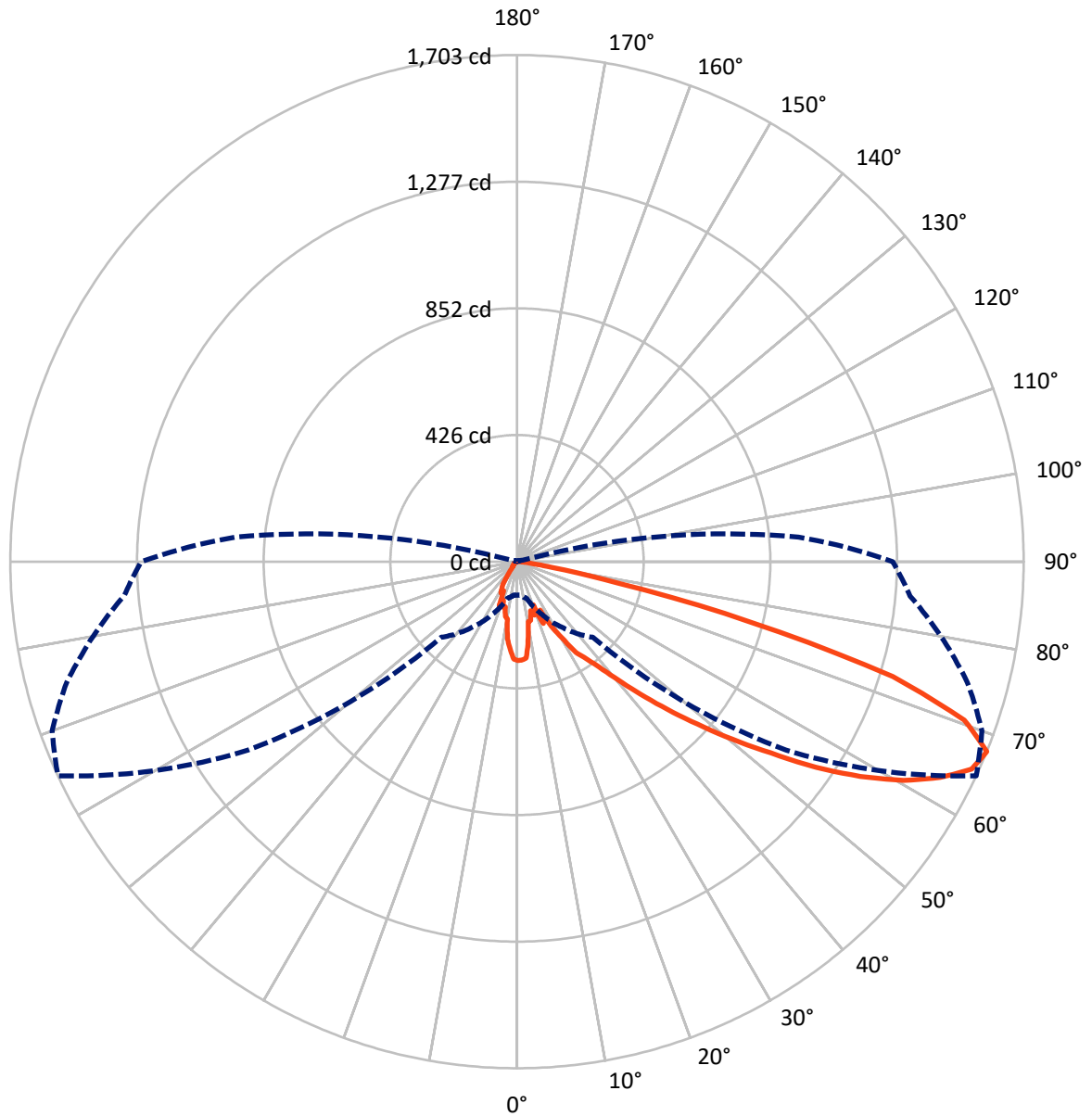
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

REPORT NUMBER: P560034
CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560034
 CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

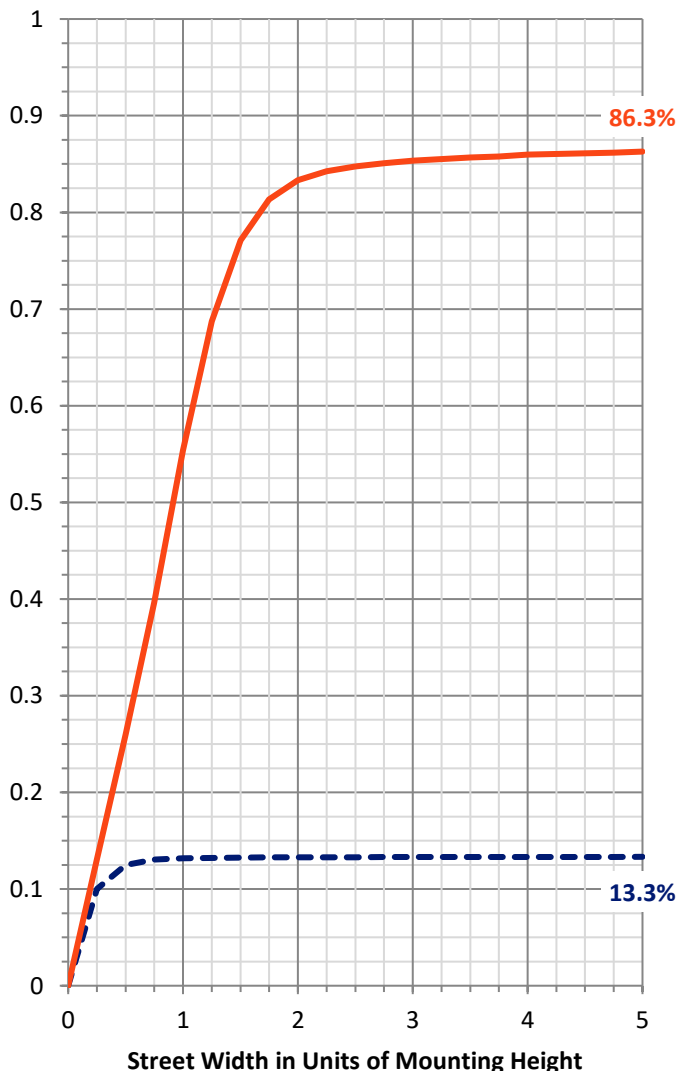
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	268.1	0.0	268.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1714.9	0.0	1714.9
	% Fixture	86.5	0.0	86.5
Total	Lumens	1983.0	0.0	1983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.3
10°-20°	49.3	2.5
20°-30°	74.4	3.8
30°-40°	171.4	8.6
40°-50°	376.1	19.0
50°-60°	552.1	27.8
60°-70°	479.5	24.2
70°-80°	237.8	12.0
80°-90°	16.9	0.9
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°	1983.0	100.0
0°-180°	1983.0	100.0

Coefficient of Utilization



REPORT NUMBER: P560034

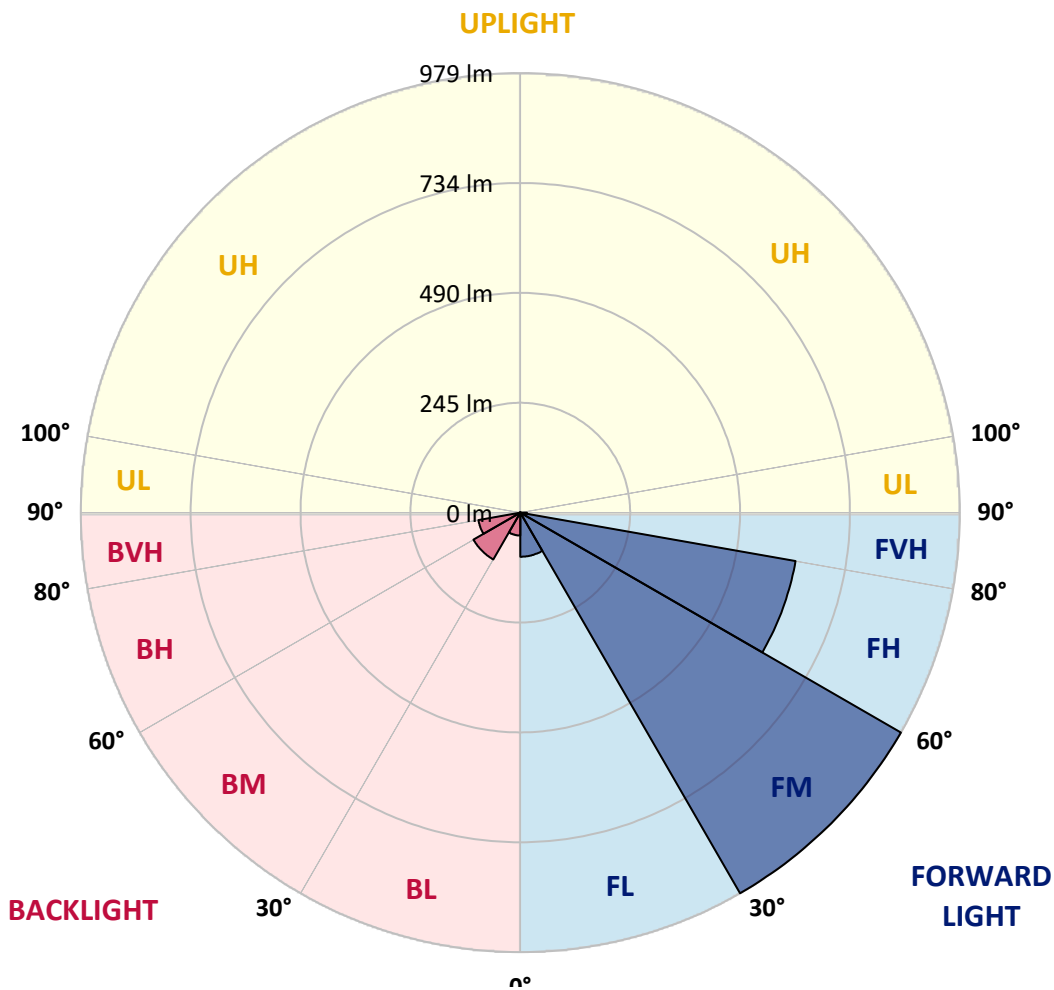
CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.3	5.0			
FM (30°-60°)	979.2	49.4			
FH (60°-80°)	622.6	31.4			G0/660
FVH (80°-90°)	14.9	0.7			G1/100
BL (0°-30°)	50.9	2.6	B0/110		
BM (30°-60°)	120.4	6.1	B0/220		
BH (60°-80°)	94.7	4.8	B0/110		G0/110
BVH (80°-90°)	2.0	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 II Short





REPORT NUMBER: P560034

CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	332	332	332	332	332	332	332	332	332	332	332
2.5°	278	301	308	315	321	327	328	329	331	332	333
5°	272	273	273	272	273	274	274	274	274	274	275
7.5°	218	244	252	259	263	266	268	269	270	271	272
10°	263	262	263	263	264	264	241	218	226	233	221
12.5°	209	230	239	248	254	259	249	238	217	195	196
15°	252	252	252	252	233	213	200	186	197	207	187
17.5°	203	203	221	239	239	238	225	211	183	155	180
20°	251	251	252	253	220	187	198	208	212	216	207
22.5°	205	205	208	210	222	234	202	170	196	222	204
25°	265	266	268	269	239	208	222	236	208	180	208
27.5°	240	236	236	235	245	254	234	214	232	250	229
30°	337	334	330	326	288	250	251	251	244	237	249
32.5°	467	462	428	394	366	338	309	280	290	299	293
35°	627	627	595	563	500	437	388	338	334	330	336
37.5°	817	797	759	721	643	564	489	414	405	395	385
40°	958	955	926	897	801	705	617	528	499	469	447
42.5°	1105	1094	1071	1047	950	852	758	663	623	583	544
45°	1211	1208	1188	1168	1089	1009	911	812	786	760	687
47.5°	1277	1260	1252	1243	1175	1107	1024	940	936	931	839
50°	1257	1242	1244	1246	1213	1180	1117	1053	1064	1075	999
52.5°	1151	1138	1156	1173	1172	1171	1148	1124	1164	1203	1151
55°	939	948	984	1020	1044	1067	1100	1132	1208	1283	1273
57.5°	736	756	793	829	868	906	976	1046	1174	1301	1345
60°	494	507	572	636	672	708	784	859	1033	1206	1321
62.5°	307	314	351	388	461	534	572	609	797	984	1197
65°	189	187	202	216	288	359	384	408	533	657	988
67.5°	113	112	120	128	161	194	233	272	316	359	732
70°	92	94	97	100	109	118	154	190	189	188	440
72.5°	77	79	85	90	97	103	124	144	135	126	210
75°	57	58	66	73	84	94	99	103	99	95	106
77.5°	38	38	45	52	63	74	80	86	79	72	75
80°	24	24	28	31	42	53	60	67	61	54	53
82.5°	14	15	17	19	26	33	38	43	50	56	45
85°	6	7	9	10	14	17	20	23	29	35	29
87.5°	1	1	2	3	4	5	5	5	5	4	5
90°	0	0	1	1	1	1	1	1	1	1	2



REPORT NUMBER: P560034
 CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	332	332	332	332	332	332	332	332	332	332	332
2.5°	333	332	331	331	331	330	329	329	329	328	327
5°	275	300	325	326	328	327	326	325	324	323	321
7.5°	272	270	268	261	285	285	284	284	282	274	266
10°	208	207	205	208	213	230	246	245	242	223	204
12.5°	197	200	203	193	174	190	206	204	202	185	167
15°	167	169	171	187	216	231	245	243	241	221	200
17.5°	205	197	189	200	190	197	204	196	190	182	174
20°	197	176	155	187	224	236	248	245	239	220	200
22.5°	185	206	226	216	198	187	176	171	167	168	169
25°	235	208	180	228	257	261	264	255	245	224	202
27.5°	207	227	246	265	275	278	280	293	272	244	216
30°	261	278	295	337	371	377	383	368	351	317	283
32.5°	287	326	364	384	398	403	408	388	369	325	280
35°	341	370	399	422	449	450	451	429	405	341	277
37.5°	374	412	449	475	517	514	511	485	456	366	276
40°	424	473	521	546	597	588	579	549	517	393	269
42.5°	505	557	609	630	686	676	665	625	584	415	246
45°	613	660	707	744	788	772	756	713	653	434	215
47.5°	746	781	816	889	921	889	856	804	728	450	172
50°	923	931	938	1029	1061	1012	963	896	805	468	130
52.5°	1098	1083	1067	1165	1177	1112	1046	976	862	478	93
55°	1263	1242	1220	1290	1282	1196	1110	1025	897	481	65
57.5°	1389	1376	1362	1394	1364	1263	1162	1077	923	486	48
60°	1435	1464	1493	1489	1434	1327	1220	1130	939	488	36
62.5°	1410	1504	1597	1559	1492	1379	1265	1178	946	487	28
65°	1319	1500	1680	1617	1533	1420	1307	1229	954	488	22
67.5°	1104	1404	1703	1663	1567	1447	1326	1263	950	484	18
70°	691	1143	1595	1626	1567	1435	1303	1253	914	464	14
72.5°	293	807	1321	1456	1497	1369	1241	1179	837	424	11
75°	116	464	812	1026	1152	1098	1043	960	549	279	8
77.5°	78	212	346	504	601	622	643	548	219	113	6
80°	52	85	118	181	216	204	191	157	67	36	5
82.5°	33	44	55	62	64	46	28	23	8	6	3
85°	22	26	30	31	31	22	12	6	3	3	2
87.5°	6	7	7	7	5	4	3	2	2	2	2
90°	3	4	4	4	3	3	2	2	2	2	2



REPORT NUMBER: P560034
 CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	332	332	332	332	332	332	332	332	332	332	332
2.5°	327	327	326	325	325	324	314	303	293	282	281
5°	308	294	281	268	266	263	263	262	262	261	261
7.5°	264	262	260	258	257	255	254	252	251	249	238
10°	200	195	195	194	196	198	197	195	208	221	220
12.5°	178	188	179	169	172	174	177	180	179	177	162
15°	179	157	150	142	146	149	123	96	91	86	80
17.5°	167	160	155	149	114	78	70	62	55	47	46
20°	169	137	128	118	91	64	49	34	30	26	30
22.5°	165	160	117	74	55	36	30	23	25	27	27
25°	155	108	84	60	42	23	24	24	22	19	21
27.5°	168	119	76	32	28	23	21	18	18	18	17
30°	194	104	65	26	22	18	17	16	15	13	14
32.5°	184	88	55	22	19	16	14	12	12	12	12
35°	167	56	38	19	16	13	12	10	10	10	10
37.5°	156	36	26	15	13	11	10	8	8	8	9
40°	147	25	19	13	11	8	7	6	7	7	7
42.5°	134	21	16	11	9	7	6	5	6	6	6
45°	117	19	14	9	8	6	5	4	5	5	5
47.5°	94	16	12	8	7	5	5	4	4	4	4
50°	73	15	11	7	6	4	4	3	4	4	4
52.5°	53	13	10	6	5	3	3	3	3	3	3
55°	38	11	8	5	4	3	3	2	3	3	3
57.5°	29	10	7	4	3	2	2	2	2	2	2
60°	23	9	7	4	3	2	2	1	2	2	2
62.5°	18	7	6	4	3	2	2	1	2	2	2
65°	14	6	5	3	2	1	1	1	2	2	2
67.5°	12	5	4	3	2	1	2	2	2	2	2
70°	10	5	4	3	2	1	2	2	3	3	2
72.5°	8	4	3	2	2	1	2	2	3	3	2
75°	6	3	3	2	2	1	2	3	3	3	2
77.5°	5	3	3	2	2	1	2	3	3	3	3
80°	4	2	2	2	1	0	2	4	4	3	3
82.5°	3	2	2	2	1	0	2	4	4	3	3
85°	2	2	2	2	2	1	3	4	4	3	3
87.5°	2	2	2	2	2	1	2	3	3	3	3
90°	2	2	3	3	2	1	2	3	3	3	3



REPORT NUMBER: P560034
 CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	332	332	332	332
2.5°	279	281	282	280
5°	260	260	259	262
7.5°	226	220	213	208
10°	218	213	208	209
12.5°	146	131	116	121
15°	74	70	66	66
17.5°	44	40	35	36
20°	33	33	33	33
22.5°	26	25	23	22
25°	22	22	22	22
27.5°	16	16	15	14
30°	14	14	14	13
32.5°	11	12	12	12
35°	10	10	10	10
37.5°	9	9	8	8
40°	7	7	7	7
42.5°	6	6	6	6
45°	5	5	5	5
47.5°	4	4	4	4
50°	4	4	3	3
52.5°	3	3	2	2
55°	2	2	2	2
57.5°	2	2	1	1
60°	2	2	1	1
62.5°	1	1	1	1
65°	1	1	0	0
67.5°	1	1	0	0
70°	1	1	0	0
72.5°	1	1	0	0
75°	1	1	0	0
77.5°	2	1	0	0
80°	2	2	1	0
82.5°	2	2	1	0
85°	2	2	1	0
87.5°	2	2	1	0
90°	2	2	1	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)