

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: P559836

Luminaire Tested: **SDL-PA1-100-730-U-T2U-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-100-730-U-T2U-HSS  
Description: Springdale  
(1) 70 CRI, 3000K, 1200mA 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: 6789.9 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 93.8  
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

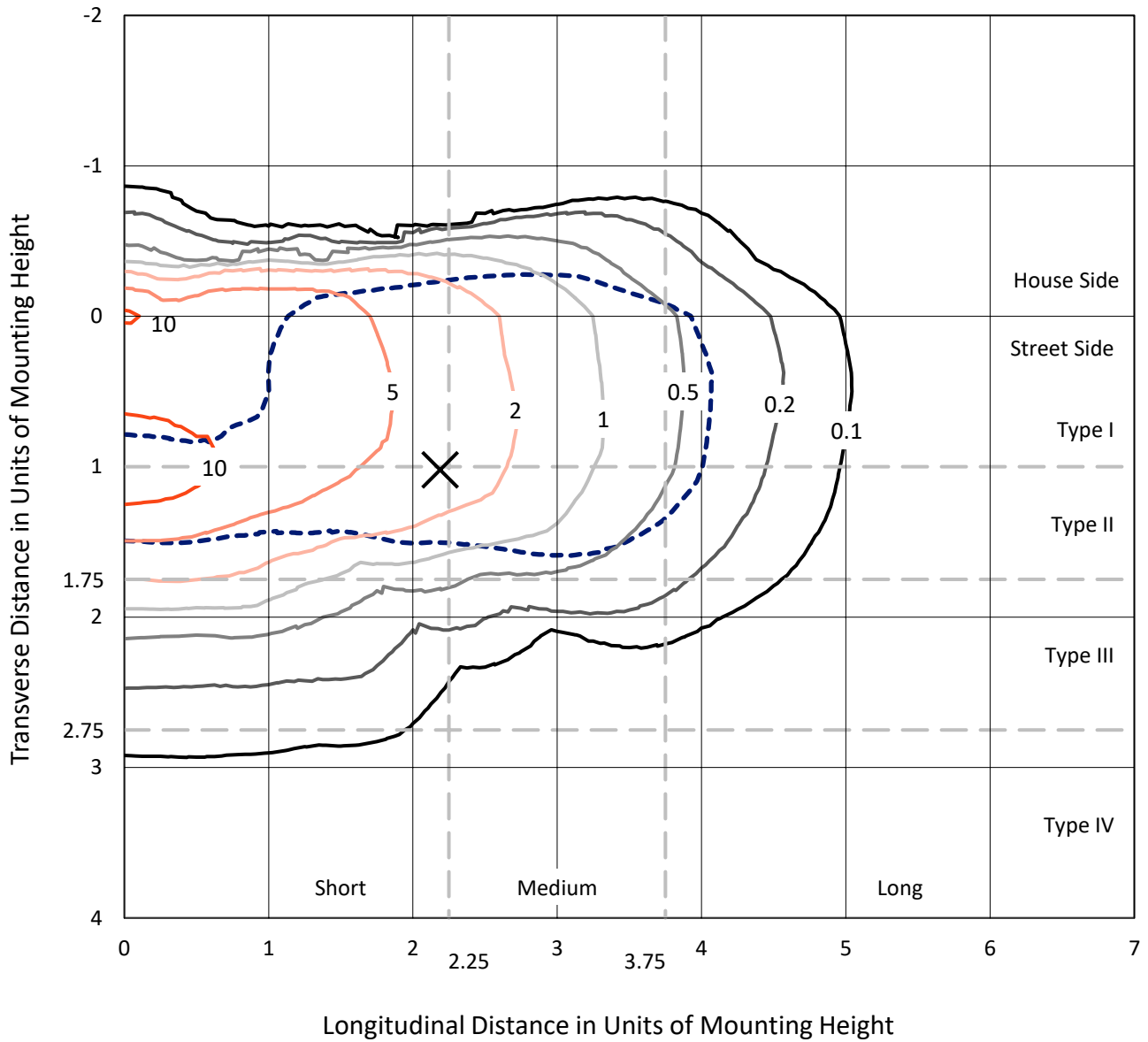




REPORT NUMBER: P559836  
 CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

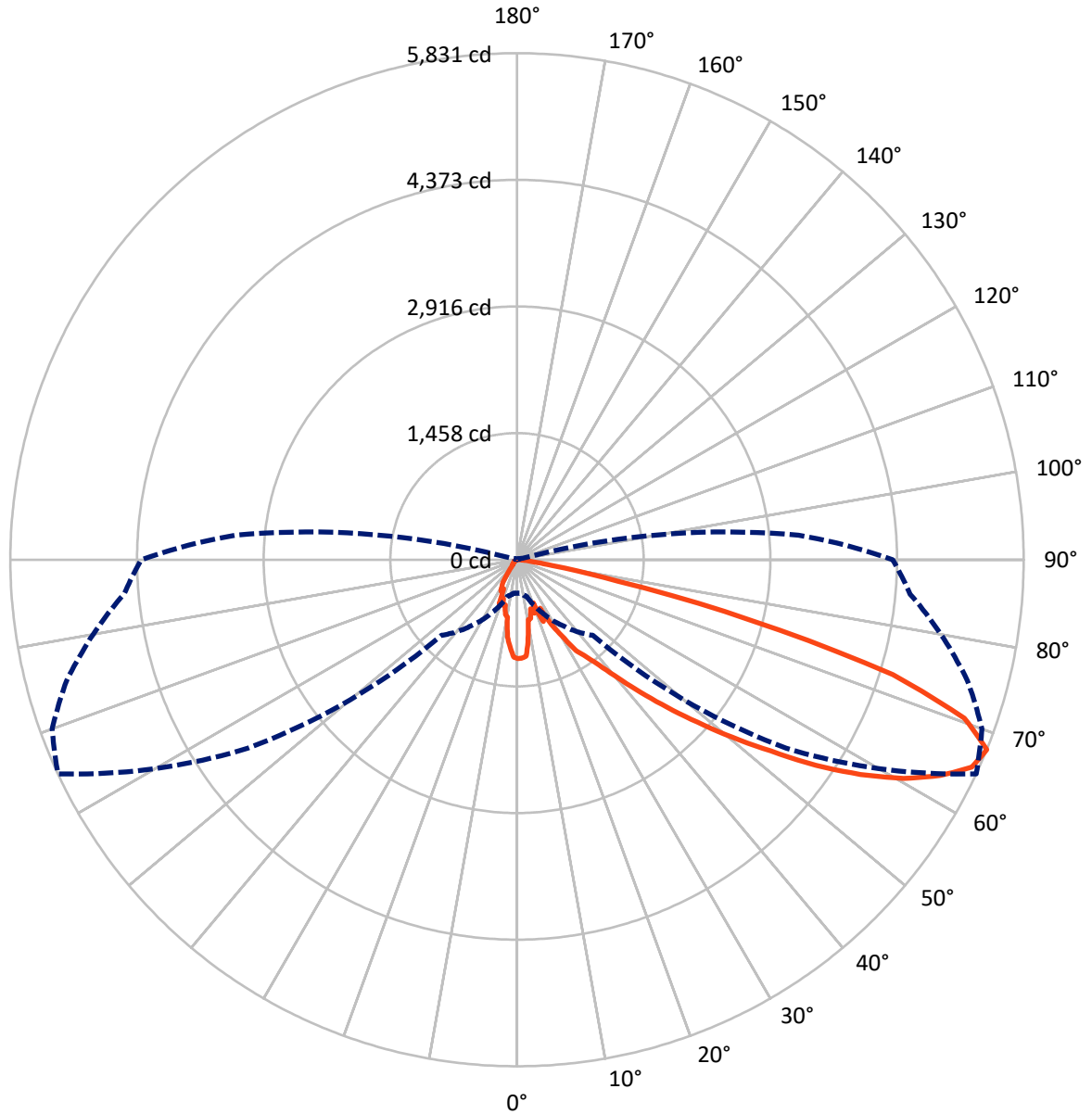
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc  
 Type II - Short - N/A

REPORT NUMBER: P559836  
CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P559836  
 CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

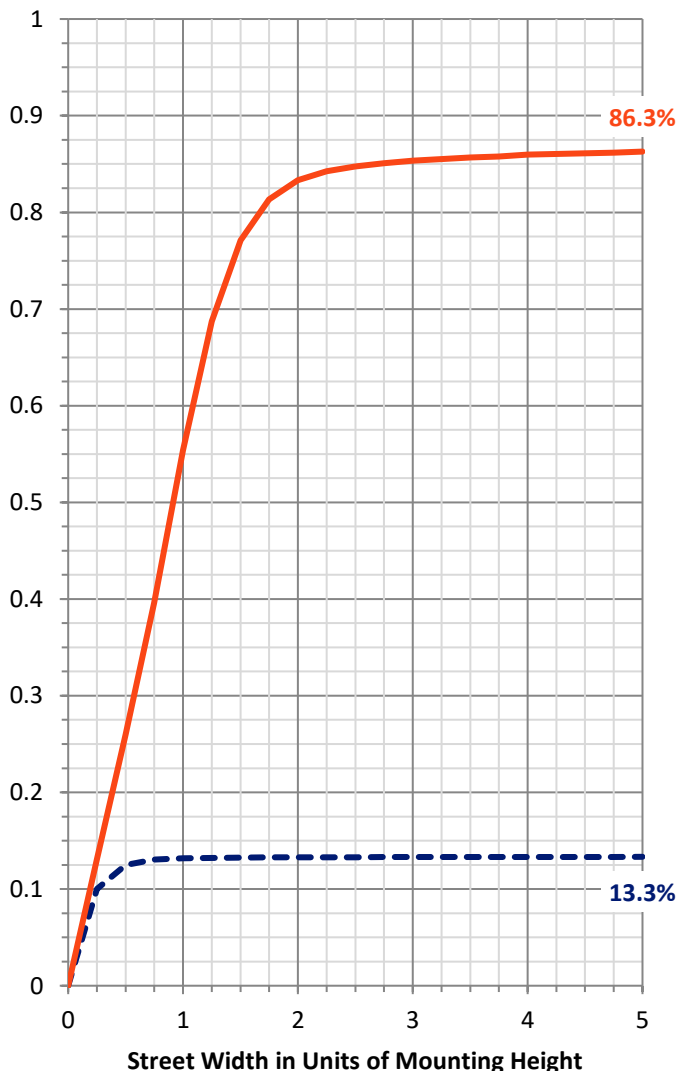
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	918.1	0.0	918.1
	% Fixture	13.5	0.0	13.5
<b>Street Side</b>	Lumens	5871.8	0.0	5871.8
	% Fixture	86.5	0.0	86.5
<b>Total</b>	Lumens	6789.9	0.0	6789.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	1.3
10°-20°	168.8	2.5
20°-30°	254.8	3.8
30°-40°	587.0	8.6
40°-50°	1287.7	19.0
50°-60°	1890.4	27.8
60°-70°	1641.9	24.2
70°-80°	814.1	12.0
80°-90°	57.8	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°	6789.9	100.0
0°-180°	6789.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P559836

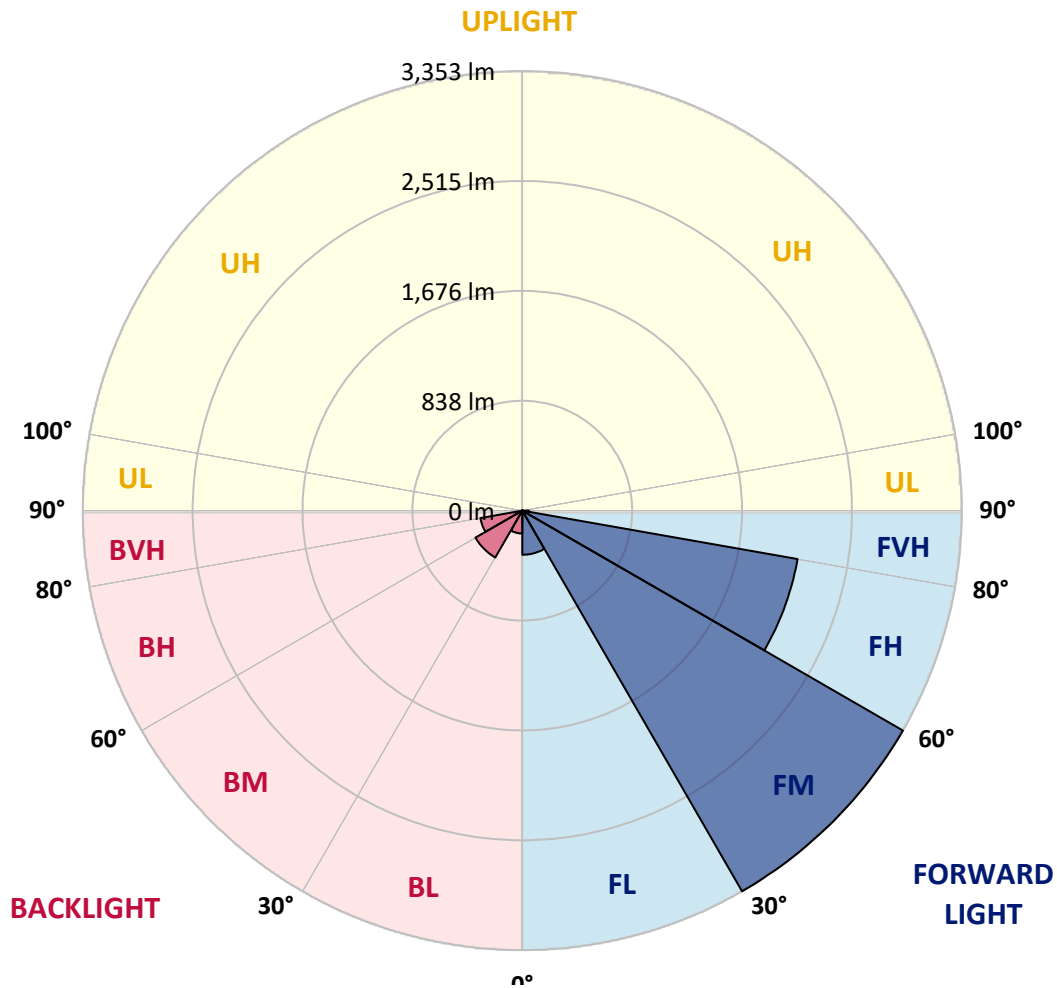
CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.5	5.0			
FM (30°-60°)	3352.7	49.4			
FH (60°-80°)	2131.7	31.4			G2/5000
FVH (80°-90°)	50.8	0.7			G1/100
BL (0°-30°)	174.4	2.6	B1/500		
BM (30°-60°)	412.4	6.1	B1/1000		
BH (60°-80°)	324.4	4.8	B1/500		G1/500
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





REPORT NUMBER: P559836

CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8
2.5°	951.9	1030.6	1054.6	1078.6	1099.1	1119.7	1123.1	1126.5	1133.4	1136.8	1140.2
5°	931.3	934.8	934.8	931.3	934.8	938.2	938.2	938.2	938.2	938.2	941.6
7.5°	746.4	835.5	862.9	886.8	900.5	910.8	917.6	921.1	924.5	927.9	931.3
10°	900.5	897.1	900.5	900.5	903.9	903.9	825.2	746.4	773.8	797.8	756.7
12.5°	715.6	787.5	818.3	849.2	869.7	886.8	852.6	814.9	743.0	667.7	671.1
15°	862.9	862.9	862.9	862.9	797.8	729.3	684.8	636.9	674.5	708.8	640.3
17.5°	695.1	695.1	756.7	818.3	818.3	814.9	770.4	722.5	626.6	530.7	616.3
20°	859.4	859.4	862.9	866.3	753.3	640.3	678.0	712.2	725.9	739.6	708.8
22.5°	701.9	701.9	712.2	719.0	760.1	801.2	691.7	582.1	671.1	760.1	698.5
25°	907.4	910.8	917.6	921.1	818.3	712.2	760.1	808.1	712.2	616.3	712.2
27.5°	821.8	808.1	808.1	804.6	838.9	869.7	801.2	732.7	794.4	856.0	784.1
30°	1153.9	1143.6	1129.9	1116.2	986.1	856.0	859.4	859.4	835.5	811.5	852.6
32.5°	1599.0	1581.9	1465.5	1349.1	1253.2	1157.3	1058.0	958.7	993.0	1023.8	1003.2
35°	2146.9	2146.9	2037.3	1927.7	1712.0	1496.3	1328.5	1157.3	1143.6	1129.9	1150.5
37.5°	2797.4	2728.9	2598.8	2468.7	2201.6	1931.1	1674.3	1417.5	1386.7	1352.5	1318.2
40°	3280.2	3269.9	3170.6	3071.3	2742.6	2413.9	2112.6	1807.9	1708.6	1605.9	1530.5
42.5°	3783.5	3745.9	3667.1	3585.0	3252.8	2917.3	2595.4	2270.1	2133.2	1996.2	1862.7
45°	4146.5	4136.2	4067.7	3999.3	3728.8	3454.8	3119.3	2780.3	2691.3	2602.3	2352.3
47.5°	4372.5	4314.3	4286.9	4256.1	4023.2	3790.4	3506.2	3218.6	3204.9	3187.8	2872.8
50°	4304.0	4252.6	4259.5	4266.3	4153.3	4040.3	3824.6	3605.5	3643.2	3680.8	3420.6
52.5°	3941.1	3896.5	3958.2	4016.4	4013.0	4009.5	3930.8	3848.6	3985.6	4119.1	3941.1
55°	3215.2	3246.0	3369.2	3492.5	3574.7	3653.4	3766.4	3876.0	4136.2	4393.0	4358.8
57.5°	2520.1	2588.6	2715.3	2838.5	2972.1	3102.2	3341.8	3581.5	4019.8	4454.7	4605.3
60°	1691.5	1736.0	1958.5	2177.7	2300.9	2424.2	2684.4	2941.2	3537.0	4129.4	4523.1
62.5°	1051.2	1075.1	1201.8	1328.5	1578.5	1828.4	1958.5	2085.2	2728.9	3369.2	4098.6
65°	647.1	640.3	691.7	739.6	986.1	1229.2	1314.8	1397.0	1825.0	2249.6	3382.9
67.5°	386.9	383.5	410.9	438.3	551.3	664.3	797.8	931.3	1082.0	1229.2	2506.4
70°	315.0	321.9	332.1	342.4	373.2	404.0	527.3	650.6	647.1	643.7	1506.6
72.5°	263.6	270.5	291.0	308.2	332.1	352.7	424.6	493.1	462.2	431.4	719.0
75°	195.2	198.6	226.0	250.0	287.6	321.9	339.0	352.7	339.0	325.3	362.9
77.5°	130.1	130.1	154.1	178.0	215.7	253.4	273.9	294.5	270.5	246.5	256.8
80°	82.2	82.2	95.9	106.1	143.8	181.5	205.4	229.4	208.9	184.9	181.5
82.5°	47.9	51.4	58.2	65.1	89.0	113.0	130.1	147.2	171.2	191.7	154.1
85°	20.5	24.0	30.8	34.2	47.9	58.2	68.5	78.8	99.3	119.8	99.3
87.5°	3.4	3.4	6.8	10.3	13.7	17.1	17.1	17.1	17.1	13.7	17.1
90°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8



REPORT NUMBER: P559836

CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8
2.5°	1140.2	1136.8	1133.4	1133.4	1133.4	1129.9	1126.5	1126.5	1126.5	1123.1	1119.7
5°	941.6	1027.2	1112.8	1116.2	1123.1	1119.7	1116.2	1112.8	1109.4	1106.0	1099.1
7.5°	931.3	924.5	917.6	893.7	975.8	975.8	972.4	972.4	965.6	938.2	910.8
10°	712.2	708.8	701.9	712.2	729.3	787.5	842.3	838.9	828.6	763.6	698.5
12.5°	674.5	684.8	695.1	660.8	595.8	650.6	705.3	698.5	691.7	633.4	571.8
15°	571.8	578.7	585.5	640.3	739.6	790.9	838.9	832.0	825.2	756.7	684.8
17.5°	701.9	674.5	647.1	684.8	650.6	674.5	698.5	671.1	650.6	623.2	595.8
20°	674.5	602.6	530.7	640.3	767.0	808.1	849.2	838.9	818.3	753.3	684.8
22.5°	633.4	705.3	773.8	739.6	678.0	640.3	602.6	585.5	571.8	575.2	578.7
25°	804.6	712.2	616.3	780.7	880.0	893.7	903.9	873.1	838.9	767.0	691.7
27.5°	708.8	777.3	842.3	907.4	941.6	951.9	958.7	1003.2	931.3	835.5	739.6
30°	893.7	951.9	1010.1	1153.9	1270.3	1290.9	1311.4	1260.0	1201.8	1085.4	969.0
32.5°	982.7	1116.2	1246.3	1314.8	1362.8	1379.9	1397.0	1328.5	1263.5	1112.8	958.7
35°	1167.6	1266.9	1366.2	1444.9	1537.4	1540.8	1544.2	1468.9	1386.7	1167.6	948.5
37.5°	1280.6	1410.7	1537.4	1626.4	1770.2	1759.9	1749.7	1660.7	1561.4	1253.2	945.0
40°	1451.8	1619.6	1783.9	1869.5	2044.1	2013.3	1982.5	1879.8	1770.2	1345.6	921.1
42.5°	1729.1	1907.2	2085.2	2157.1	2348.9	2314.6	2277.0	2140.0	1999.6	1421.0	842.3
45°	2098.9	2259.9	2420.8	2547.5	2698.1	2643.3	2588.6	2441.3	2235.9	1486.0	736.2
47.5°	2554.3	2674.2	2794.0	3044.0	3153.5	3044.0	2931.0	2752.9	2492.7	1540.8	588.9
50°	3160.4	3187.8	3211.7	3523.3	3632.9	3465.1	3297.3	3067.9	2756.3	1602.4	445.1
52.5°	3759.6	3708.2	3653.4	3989.0	4030.1	3807.5	3581.5	3341.8	2951.5	1636.7	318.4
55°	4324.5	4252.6	4177.3	4417.0	4389.6	4095.1	3800.7	3509.6	3071.3	1647.0	222.6
57.5°	4756.0	4711.5	4663.5	4773.1	4670.4	4324.5	3978.7	3687.7	3160.4	1664.1	164.4
60°	4913.5	5012.8	5112.1	5098.4	4910.0	4543.7	4177.3	3869.1	3215.2	1670.9	123.3
62.5°	4827.9	5149.7	5468.2	5338.1	5108.6	4721.7	4331.4	4033.5	3239.1	1667.5	95.9
65°	4516.3	5136.0	5752.4	5536.6	5249.0	4862.1	4475.2	4208.1	3266.5	1670.9	75.3
67.5°	3780.1	4807.3	5831.1	5694.1	5365.4	4954.6	4540.3	4324.5	3252.8	1657.2	61.6
70°	2366.0	3913.7	5461.3	5567.5	5365.4	4913.5	4461.5	4290.3	3129.6	1588.7	47.9
72.5°	1003.2	2763.2	4523.1	4985.4	5125.8	4687.5	4249.2	4036.9	2865.9	1451.8	37.7
75°	397.2	1588.7	2780.3	3513.0	3944.5	3759.6	3571.3	3287.1	1879.8	955.3	27.4
77.5°	267.1	725.9	1184.7	1725.7	2057.8	2129.7	2201.6	1876.4	749.9	386.9	20.5
80°	178.0	291.0	404.0	619.7	739.6	698.5	654.0	537.6	229.4	123.3	17.1
82.5°	113.0	150.7	188.3	212.3	219.1	157.5	95.9	78.8	27.4	20.5	10.3
85°	75.3	89.0	102.7	106.1	106.1	75.3	41.1	20.5	10.3	10.3	6.8
87.5°	20.5	24.0	24.0	24.0	17.1	13.7	10.3	6.8	6.8	6.8	6.8
90°	10.3	13.7	13.7	13.7	10.3	10.3	6.8	6.8	6.8	6.8	6.8





REPORT NUMBER: P559836

CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8	1136.8
2.5°	1119.7	1119.7	1116.2	1112.8	1112.8	1109.4	1075.1	1037.5	1003.2	965.6	962.2
5°	1054.6	1006.7	962.2	917.6	910.8	900.5	900.5	897.1	897.1	893.7	893.7
7.5°	903.9	897.1	890.2	883.4	880.0	873.1	869.7	862.9	859.4	852.6	814.9
10°	684.8	667.7	667.7	664.3	671.1	678.0	674.5	667.7	712.2	756.7	753.3
12.5°	609.5	643.7	612.9	578.7	588.9	595.8	606.1	616.3	612.9	606.1	554.7
15°	612.9	537.6	513.6	486.2	499.9	510.2	421.2	328.7	311.6	294.5	273.9
17.5°	571.8	547.8	530.7	510.2	390.3	267.1	239.7	212.3	188.3	160.9	157.5
20°	578.7	469.1	438.3	404.0	311.6	219.1	167.8	116.4	102.7	89.0	102.7
22.5°	565.0	547.8	400.6	253.4	188.3	123.3	102.7	78.8	85.6	92.4	92.4
25°	530.7	369.8	287.6	205.4	143.8	78.8	82.2	82.2	75.3	65.1	71.9
27.5°	575.2	407.5	260.2	109.6	95.9	78.8	71.9	61.6	61.6	61.6	58.2
30°	664.3	356.1	222.6	89.0	75.3	61.6	58.2	54.8	51.4	44.5	47.9
32.5°	630.0	301.3	188.3	75.3	65.1	54.8	47.9	41.1	41.1	41.1	41.1
35°	571.8	191.7	130.1	65.1	54.8	44.5	41.1	34.2	34.2	34.2	34.2
37.5°	534.1	123.3	89.0	51.4	44.5	37.7	34.2	27.4	27.4	27.4	30.8
40°	503.3	85.6	65.1	44.5	37.7	27.4	24.0	20.5	24.0	24.0	24.0
42.5°	458.8	71.9	54.8	37.7	30.8	24.0	20.5	17.1	20.5	20.5	20.5
45°	400.6	65.1	47.9	30.8	27.4	20.5	17.1	13.7	17.1	17.1	17.1
47.5°	321.9	54.8	41.1	27.4	24.0	17.1	17.1	13.7	13.7	13.7	13.7
50°	250.0	51.4	37.7	24.0	20.5	13.7	13.7	10.3	13.7	13.7	13.7
52.5°	181.5	44.5	34.2	20.5	17.1	10.3	10.3	10.3	10.3	10.3	10.3
55°	130.1	37.7	27.4	17.1	13.7	10.3	10.3	6.8	10.3	10.3	10.3
57.5°	99.3	34.2	24.0	13.7	10.3	6.8	6.8	6.8	6.8	6.8	6.8
60°	78.8	30.8	24.0	13.7	10.3	6.8	6.8	3.4	6.8	6.8	6.8
62.5°	61.6	24.0	20.5	13.7	10.3	6.8	6.8	3.4	6.8	6.8	6.8
65°	47.9	20.5	17.1	10.3	6.8	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	41.1	17.1	13.7	10.3	6.8	3.4	6.8	6.8	6.8	6.8	6.8
70°	34.2	17.1	13.7	10.3	6.8	3.4	6.8	6.8	10.3	10.3	6.8
72.5°	27.4	13.7	10.3	6.8	6.8	3.4	6.8	6.8	10.3	10.3	6.8
75°	20.5	10.3	10.3	6.8	6.8	3.4	6.8	10.3	10.3	10.3	6.8
77.5°	17.1	10.3	10.3	6.8	6.8	3.4	6.8	10.3	10.3	10.3	10.3
80°	13.7	6.8	6.8	6.8	3.4	0.0	6.8	13.7	13.7	10.3	10.3
82.5°	10.3	6.8	6.8	6.8	3.4	0.0	6.8	13.7	13.7	10.3	10.3
85°	6.8	6.8	6.8	6.8	6.8	3.4	10.3	13.7	13.7	10.3	10.3
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	6.8	10.3	10.3	10.3	10.3
90°	6.8	6.8	10.3	10.3	6.8	3.4	6.8	10.3	10.3	10.3	10.3



REPORT NUMBER: P559836  
 CATALOG NUMBER: SDL-PA1-100-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1136.8	1136.8	1136.8	1136.8
2.5°	955.3	962.2	965.6	958.7
5°	890.2	890.2	886.8	897.1
7.5°	773.8	753.3	729.3	712.2
10°	746.4	729.3	712.2	715.6
12.5°	499.9	448.5	397.2	414.3
15°	253.4	239.7	226.0	226.0
17.5°	150.7	137.0	119.8	123.3
20°	113.0	113.0	113.0	113.0
22.5°	89.0	85.6	78.8	75.3
25°	75.3	75.3	75.3	75.3
27.5°	54.8	54.8	51.4	47.9
30°	47.9	47.9	47.9	44.5
32.5°	37.7	41.1	41.1	41.1
35°	34.2	34.2	34.2	34.2
37.5°	30.8	30.8	27.4	27.4
40°	24.0	24.0	24.0	24.0
42.5°	20.5	20.5	20.5	20.5
45°	17.1	17.1	17.1	17.1
47.5°	13.7	13.7	13.7	13.7
50°	13.7	13.7	10.3	10.3
52.5°	10.3	10.3	6.8	6.8
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	3.4	3.4
60°	6.8	6.8	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	0.0	0.0
67.5°	3.4	3.4	0.0	0.0
70°	3.4	3.4	0.0	0.0
72.5°	3.4	3.4	0.0	0.0
75°	3.4	3.4	0.0	0.0
77.5°	6.8	3.4	0.0	0.0
80°	6.8	6.8	3.4	0.0
82.5°	6.8	6.8	3.4	0.0
85°	6.8	6.8	3.4	0.0
87.5°	6.8	6.8	3.4	0.0
90°	6.8	6.8	3.4	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





--- 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)