

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: P560878

Luminaire Tested: **SDL-PA1-70-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-727-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5148.6 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

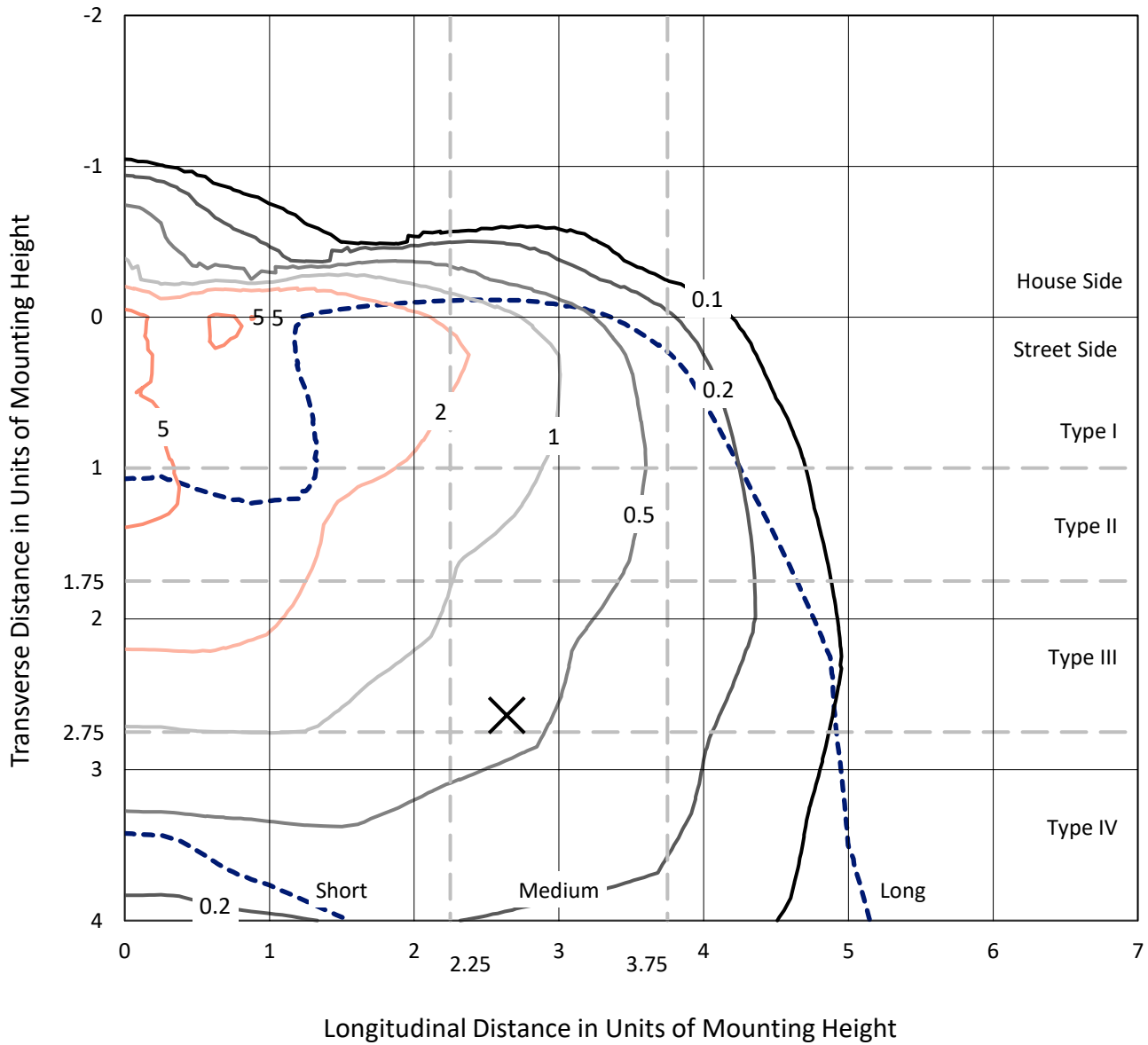
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560878
 CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

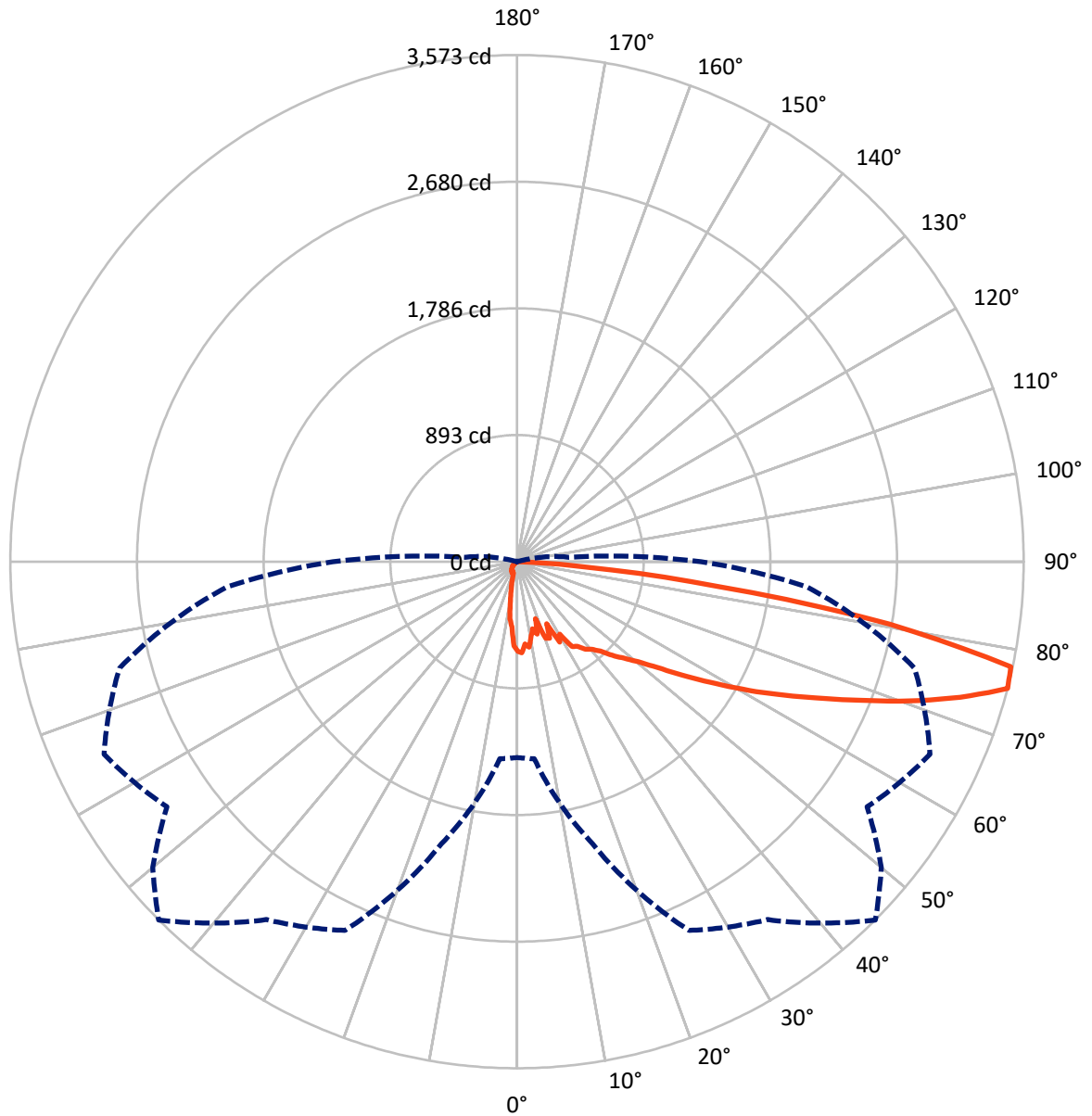
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560878
CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



REPORT NUMBER: P560878
 CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

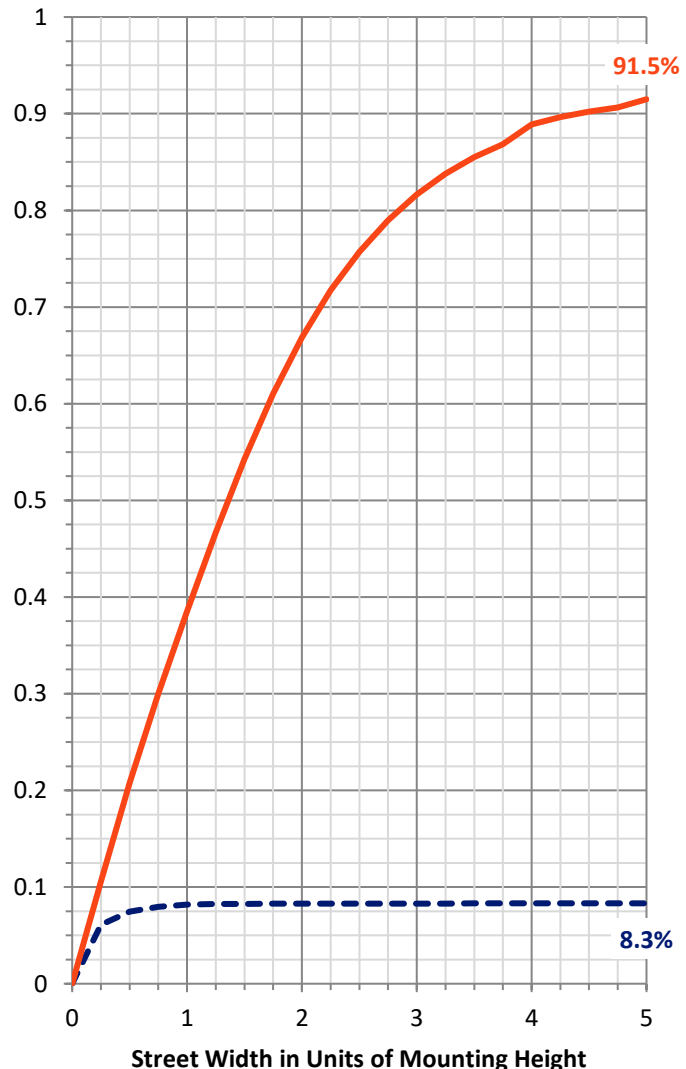
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.3	0.0	432.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4716.3	0.0	4716.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	5148.6	0.0	5148.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.0
10°-20°	107.8	2.1
20°-30°	182.2	3.5
30°-40°	335.6	6.5
40°-50°	550.7	10.7
50°-60°	980.2	19.0
60°-70°	1466.6	28.5
70°-80°	1305.8	25.4
80°-90°	170.6	3.3
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°	5148.6	100.0
0°-180°	5148.6	100.0

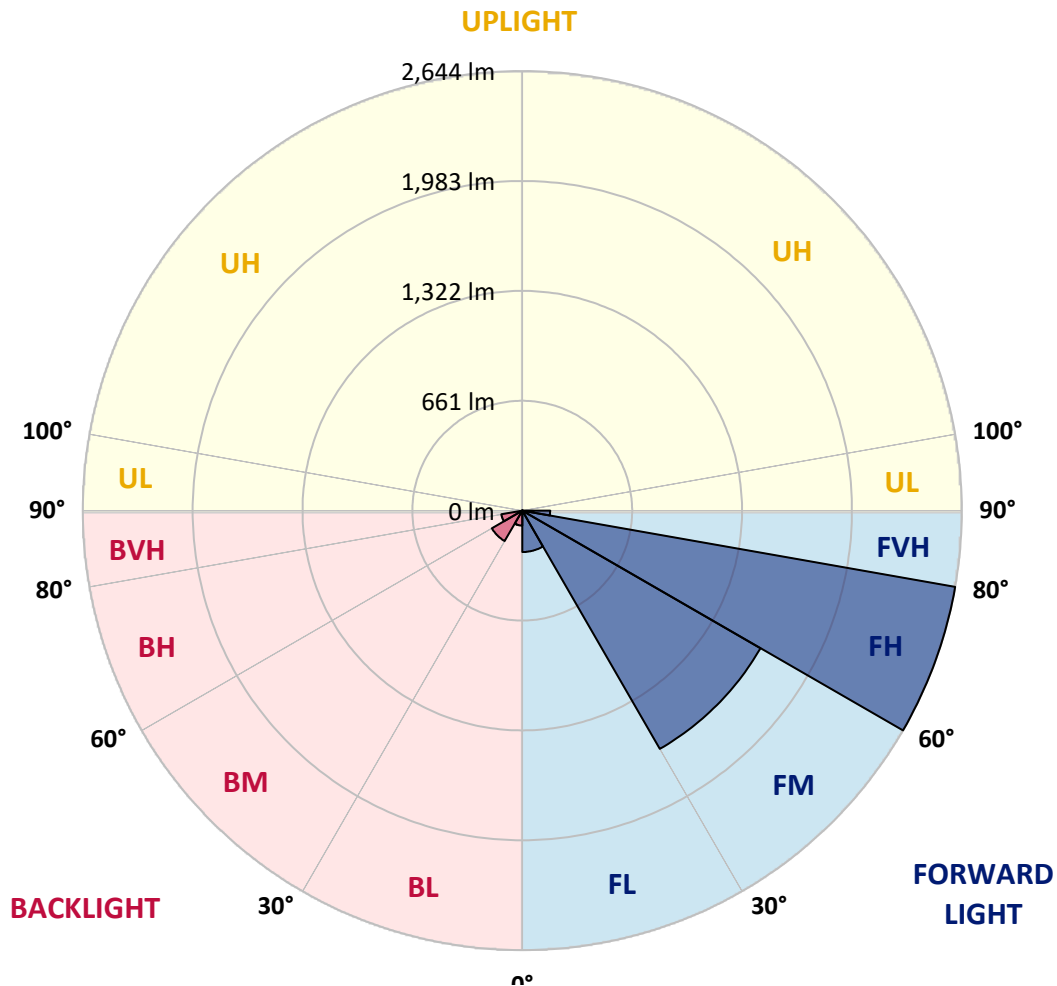


REPORT NUMBER: P560878
 CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.9	4.8			
FM (30°-60°)	1655.0	32.1			
FH (60°-80°)	2644.4	51.4			G2/5000
FVH (80°-90°)	168.0	3.3			G2/225
BL (0°-30°)	90.2	1.8	B0/110		
BM (30°-60°)	211.5	4.1	B0/220		
BH (60°-80°)	128.0	2.5	B1/500		G1/500
BVH (80°-90°)	2.6	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 IV Medium





REPORT NUMBER: P560878

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3
2.5°	587.3	631.3	636.5	639.0	644.2	646.8	646.8	646.8	646.8	644.2	644.2
5°	620.9	618.3	615.8	613.2	610.6	605.4	600.2	592.5	587.3	582.1	576.9
7.5°	608.0	610.6	618.3	623.5	620.9	618.3	623.5	626.1	618.3	608.0	597.6
10°	708.9	703.7	698.5	693.4	685.6	677.9	615.8	553.7	548.5	540.7	535.6
12.5°	620.9	698.5	698.5	698.5	698.5	698.5	657.2	615.8	551.1	486.4	411.4
15°	776.2	773.6	763.2	752.9	683.0	610.6	571.8	533.0	533.0	530.4	499.3
17.5°	644.2	644.2	696.0	745.1	716.7	688.2	633.9	579.5	501.9	421.7	452.8
20°	815.0	815.0	804.6	794.3	675.3	556.3	561.4	566.6	571.8	576.9	478.6
22.5°	670.1	664.9	659.7	654.6	667.5	680.4	574.4	465.7	527.8	587.3	457.9
25°	817.6	825.3	820.1	812.4	706.3	600.2	623.5	644.2	564.0	483.8	561.4
27.5°	701.1	693.4	683.0	670.1	677.9	685.6	636.5	584.7	613.2	641.6	514.9
30°	859.0	861.5	856.4	851.2	750.3	649.4	646.8	641.6	618.3	592.5	579.5
32.5°	1063.3	1042.6	970.2	897.8	835.7	773.6	724.4	675.3	696.0	714.1	644.2
35°	1161.7	1122.9	1091.8	1058.2	954.7	848.6	789.1	727.0	729.6	732.2	703.7
37.5°	1257.4	1200.5	1161.7	1122.9	998.7	874.5	809.8	745.1	765.8	783.9	752.9
40°	1291.0	1260.0	1236.7	1213.4	1081.5	946.9	871.9	794.3	804.6	812.4	802.0
42.5°	1376.4	1371.2	1358.3	1342.8	1184.9	1024.5	934.0	843.4	853.8	861.5	856.4
45°	1580.8	1573.0	1573.0	1570.4	1366.1	1159.1	1040.1	921.0	931.4	941.7	936.6
47.5°	1844.7	1831.8	1816.2	1798.1	1580.8	1360.9	1190.1	1016.8	1016.8	1016.8	1024.5
50°	2121.5	2103.4	2069.8	2033.6	1813.6	1593.7	1376.4	1159.1	1135.8	1109.9	1138.4
52.5°	2408.7	2377.7	2320.7	2261.2	2067.2	1873.1	1627.4	1379.0	1309.1	1236.7	1272.9
55°	2563.9	2530.3	2491.5	2450.1	2292.3	2131.9	1880.9	1629.9	1521.3	1410.0	1448.8
57.5°	2690.7	2682.9	2664.8	2646.7	2525.1	2403.5	2152.6	1899.0	1751.5	1604.1	1637.7
60°	2864.1	2853.7	2861.5	2869.2	2776.1	2682.9	2444.9	2204.3	2015.4	1824.0	1813.6
62.5°	2993.4	2990.8	3029.6	3068.4	3019.3	2967.5	2701.1	2432.0	2248.3	2062.0	2010.3
65°	2874.4	2908.0	3052.9	3197.8	3190.0	3179.7	2931.3	2680.4	2499.3	2315.6	2248.3
67.5°	2623.4	2639.0	2853.7	3065.9	3159.0	3249.5	3073.6	2895.1	2752.8	2607.9	2483.7
70°	2388.0	2421.6	2610.5	2799.4	3040.0	3280.6	3140.9	3001.2	2972.7	2941.7	2781.3
72.5°	2160.3	2219.8	2395.8	2571.7	2892.5	3210.7	3127.9	3045.2	3156.4	3267.7	3076.2
75°	1381.6	1394.5	1728.3	2059.4	2465.6	2869.2	2975.3	3081.4	3327.2	3572.9	3353.0
77.5°	403.6	447.6	698.5	949.5	1415.2	1878.3	2240.5	2602.7	3081.4	3560.0	3290.9
80°	137.1	147.5	183.7	217.3	465.7	714.1	1133.2	1549.7	2106.0	2662.2	2473.4
82.5°	67.3	69.9	88.0	103.5	157.8	212.2	426.9	639.0	1032.3	1423.0	1456.6
85°	20.7	20.7	31.0	41.4	67.3	93.1	160.4	225.1	357.0	486.4	411.4
87.5°	5.2	5.2	7.8	10.3	15.5	20.7	20.7	20.7	15.5	10.3	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560878

CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3
2.5°	646.8	646.8	646.8	644.2	639.0	636.5	631.3	626.1	620.9	618.3	613.2
5°	569.2	602.8	633.9	636.5	636.5	628.7	620.9	613.2	605.4	597.6	589.9
7.5°	584.7	566.6	548.5	551.1	553.7	551.1	545.9	533.0	522.6	501.9	478.6
10°	468.3	455.4	439.8	445.0	450.2	463.1	476.0	465.7	450.2	411.4	370.0
12.5°	460.5	457.9	452.8	414.0	372.6	393.3	411.4	401.0	385.5	346.7	305.3
15°	393.3	395.8	395.8	434.7	473.5	489.0	501.9	489.0	470.9	419.1	364.8
17.5°	507.1	481.2	455.4	439.8	421.7	426.9	432.1	375.1	393.3	359.6	323.4
20°	525.2	439.8	354.4	424.3	494.2	517.4	540.7	527.8	504.5	421.7	336.3
22.5°	478.6	509.7	540.7	496.7	452.8	424.3	393.3	380.3	364.8	328.6	292.4
25°	592.5	507.1	419.1	501.9	582.1	587.3	592.5	569.2	543.3	439.8	336.3
27.5°	530.4	558.8	584.7	602.8	620.9	644.2	667.5	641.6	579.5	457.9	333.8
30°	631.3	670.1	708.9	768.4	827.9	846.0	861.5	833.1	783.9	579.5	372.6
32.5°	659.7	737.4	815.0	838.3	859.0	882.2	905.5	882.2	822.7	574.4	323.4
35°	737.4	791.7	843.4	879.7	915.9	936.6	957.3	941.7	861.5	566.6	271.7
37.5°	760.6	833.1	902.9	944.3	983.1	1001.3	1016.8	1016.8	902.9	561.4	217.3
40°	796.9	887.4	978.0	1016.8	1053.0	1081.5	1107.3	1117.7	949.5	558.8	165.6
42.5°	869.3	949.5	1029.7	1091.8	1151.3	1192.7	1234.1	1241.9	1003.8	566.6	126.8
45°	946.9	1032.3	1117.7	1200.5	1283.3	1342.8	1399.7	1394.5	1068.5	587.3	103.5
47.5°	1058.2	1138.4	1218.6	1358.3	1495.4	1552.3	1606.7	1570.4	1135.8	613.2	90.6
50°	1172.0	1270.3	1368.6	1547.2	1723.1	1774.8	1824.0	1749.0	1200.5	644.2	85.4
52.5°	1319.5	1435.9	1552.3	1756.7	1961.1	2007.7	2054.3	1901.6	1249.6	664.9	80.2
55°	1492.8	1642.9	1792.9	1987.0	2178.4	2232.8	2287.1	2051.7	1272.9	675.3	77.6
57.5°	1702.4	1875.7	2046.5	2225.0	2400.9	2476.0	2548.4	2199.1	1283.3	677.9	72.4
60°	1906.8	2098.2	2289.7	2442.3	2595.0	2711.4	2825.2	2344.0	1278.1	672.7	64.7
62.5°	2095.6	2307.8	2517.4	2659.7	2802.0	2941.7	3081.4	2460.4	1244.5	649.4	51.7
65°	2292.3	2517.4	2739.9	2864.1	2988.2	3169.3	3347.9	2561.3	1197.9	618.3	36.2
67.5°	2470.8	2685.5	2900.3	3040.0	3179.7	3358.2	3534.1	2587.2	1130.6	579.5	25.9
70°	2620.9	2853.7	3084.0	3226.3	3368.6	3459.1	3547.1	2473.4	996.1	507.1	18.1
72.5°	2827.8	3037.4	3244.4	3316.8	3386.7	3228.8	3068.4	2062.0	747.7	382.9	15.5
75°	3014.1	3115.0	3213.3	3058.1	2902.9	2478.6	2054.3	1298.8	364.8	191.5	15.5
77.5°	2825.2	2770.9	2716.6	2240.5	1761.9	1309.1	853.8	509.7	113.8	62.1	10.3
80°	2046.5	1798.1	1547.2	1071.1	592.5	395.8	196.6	113.8	28.5	18.1	7.8
82.5°	1102.2	851.2	597.6	385.5	173.3	116.4	56.9	38.8	12.9	10.3	5.2
85°	398.4	315.6	230.3	178.5	126.8	75.0	20.7	12.9	7.8	7.8	5.2
87.5°	36.2	41.4	46.6	36.2	23.3	15.5	5.2	5.2	5.2	5.2	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560878
 CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3	631.3
2.5°	610.6	608.0	605.4	600.2	597.6	595.1	576.9	558.8	538.1	517.4	517.4
5°	556.3	522.6	504.5	486.4	473.5	460.5	457.9	452.8	447.6	442.4	439.8
7.5°	465.7	452.8	442.4	432.1	419.1	406.2	393.3	380.3	370.0	359.6	336.3
10°	349.3	328.6	313.1	297.5	289.8	279.4	263.9	245.8	245.8	245.8	243.2
12.5°	302.7	300.1	261.3	219.9	207.0	194.0	191.5	188.9	183.7	175.9	165.6
15°	300.1	232.8	199.2	163.0	155.2	144.9	129.4	111.3	108.7	103.5	116.4
17.5°	271.7	219.9	181.1	142.3	113.8	85.4	90.6	93.1	106.1	116.4	124.2
20°	245.8	155.2	129.4	100.9	93.1	82.8	88.0	93.1	90.6	85.4	98.3
22.5°	230.3	165.6	121.6	77.6	82.8	88.0	82.8	75.0	88.0	100.9	108.7
25°	222.5	106.1	95.7	82.8	77.6	72.4	82.8	90.6	85.4	80.2	95.7
27.5°	219.9	106.1	90.6	72.4	77.6	82.8	80.2	75.0	85.4	93.1	90.6
30°	235.4	95.7	85.4	75.0	72.4	69.9	75.0	80.2	80.2	77.6	90.6
32.5°	209.6	95.7	85.4	72.4	72.4	69.9	69.9	69.9	77.6	85.4	90.6
35°	181.1	88.0	80.2	69.9	67.3	64.7	67.3	67.3	75.0	80.2	90.6
37.5°	150.1	82.8	75.0	64.7	62.1	59.5	59.5	56.9	64.7	72.4	80.2
40°	121.6	77.6	69.9	59.5	56.9	54.3	54.3	54.3	59.5	62.1	67.3
42.5°	100.9	72.4	64.7	54.3	51.7	49.2	49.2	46.6	49.2	51.7	54.3
45°	88.0	69.9	62.1	51.7	49.2	44.0	41.4	38.8	38.8	38.8	38.8
47.5°	77.6	64.7	59.5	51.7	46.6	38.8	36.2	31.0	28.5	25.9	23.3
50°	72.4	59.5	54.3	46.6	41.4	33.6	28.5	23.3	20.7	15.5	15.5
52.5°	67.3	54.3	49.2	41.4	33.6	25.9	20.7	12.9	12.9	10.3	10.3
55°	64.7	51.7	44.0	36.2	28.5	18.1	12.9	7.8	7.8	5.2	5.2
57.5°	62.1	49.2	41.4	31.0	20.7	10.3	7.8	5.2	5.2	5.2	5.2
60°	54.3	44.0	33.6	20.7	12.9	5.2	5.2	2.6	5.2	5.2	5.2
62.5°	44.0	33.6	23.3	12.9	7.8	2.6	2.6	2.6	5.2	5.2	5.2
65°	31.0	23.3	15.5	7.8	5.2	2.6	2.6	2.6	2.6	2.6	2.6
67.5°	23.3	18.1	12.9	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6
70°	15.5	12.9	10.3	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	12.9	10.3	7.8	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6
75°	12.9	10.3	7.8	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6
77.5°	10.3	7.8	5.2	2.6	2.6	0.0	2.6	5.2	5.2	5.2	5.2
80°	7.8	5.2	5.2	2.6	2.6	0.0	2.6	5.2	5.2	5.2	5.2
82.5°	5.2	5.2	5.2	2.6	2.6	0.0	5.2	7.8	7.8	5.2	5.2
85°	5.2	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8	7.8	5.2
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8	7.8	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560878
 CATALOG NUMBER: SDL-PA1-70-727-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	631.3	631.3	631.3	631.3
2.5°	514.9	514.9	512.3	512.3
5°	434.7	434.7	432.1	432.1
7.5°	313.1	307.9	300.1	302.7
10°	240.6	235.4	230.3	235.4
12.5°	155.2	157.8	157.8	150.1
15°	126.8	137.1	144.9	144.9
17.5°	131.9	131.9	129.4	129.4
20°	111.3	121.6	131.9	131.9
22.5°	113.8	108.7	103.5	103.5
25°	108.7	116.4	121.6	121.6
27.5°	88.0	90.6	93.1	93.1
30°	100.9	106.1	108.7	108.7
32.5°	95.7	100.9	103.5	106.1
35°	98.3	103.5	106.1	106.1
37.5°	88.0	90.6	93.1	93.1
40°	69.9	72.4	75.0	75.0
42.5°	54.3	54.3	51.7	54.3
45°	36.2	36.2	33.6	36.2
47.5°	20.7	20.7	20.7	20.7
50°	12.9	12.9	12.9	12.9
52.5°	7.8	7.8	7.8	7.8
55°	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	2.6	2.6
60°	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	2.6	2.6	0.0	0.0
77.5°	2.6	2.6	0.0	0.0
80°	2.6	2.6	0.0	0.0
82.5°	2.6	2.6	0.0	0.0
85°	2.6	2.6	2.6	0.0
87.5°	2.6	2.6	2.6	0.0
90°	0.0	0.0	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





--- 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)