

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: P561039

Luminaire Tested: **SDL-PA1-80-727-U-SL3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-80-727-U-SL3  
Description: Springdale  
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7761.4 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

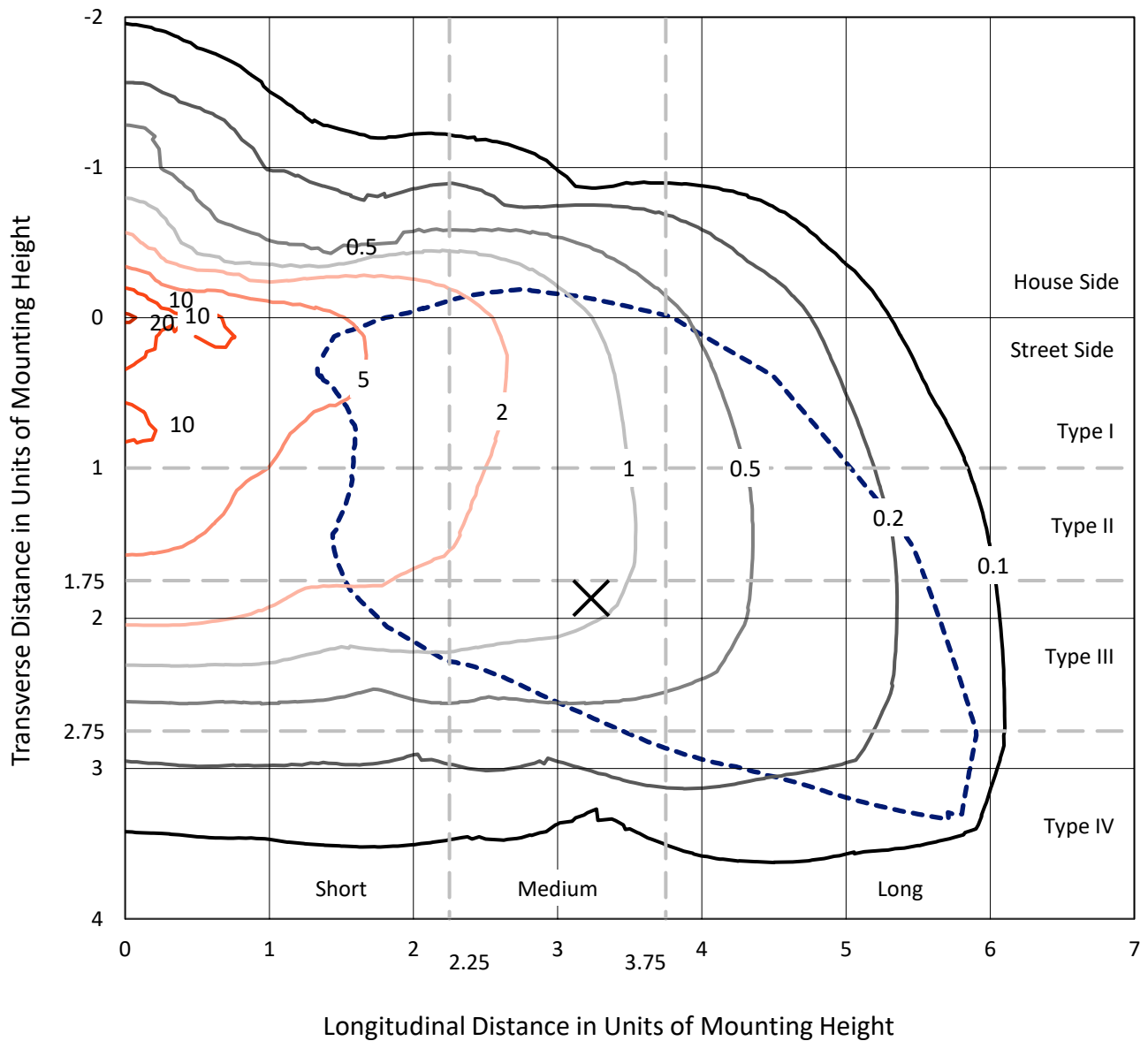
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

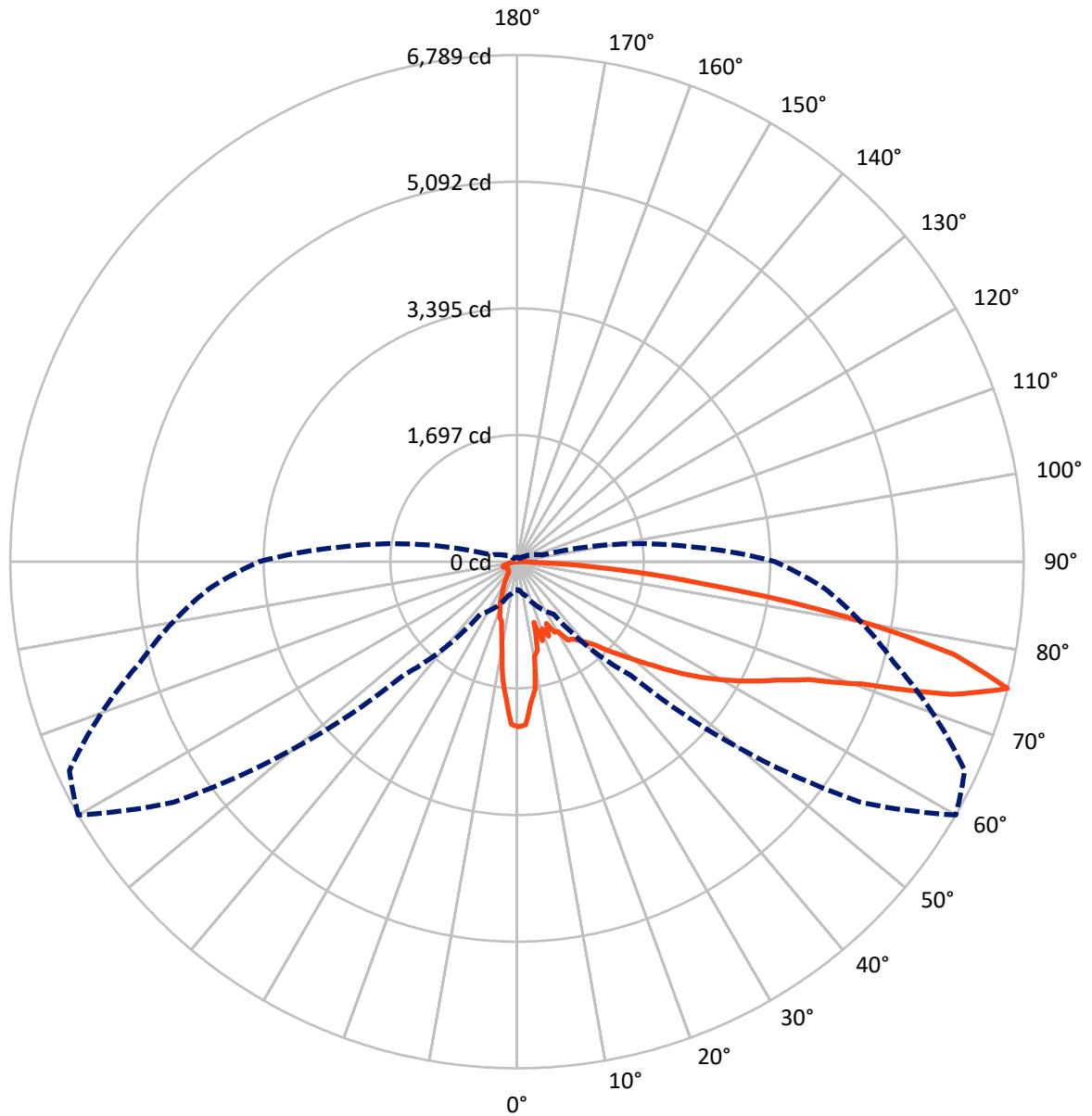
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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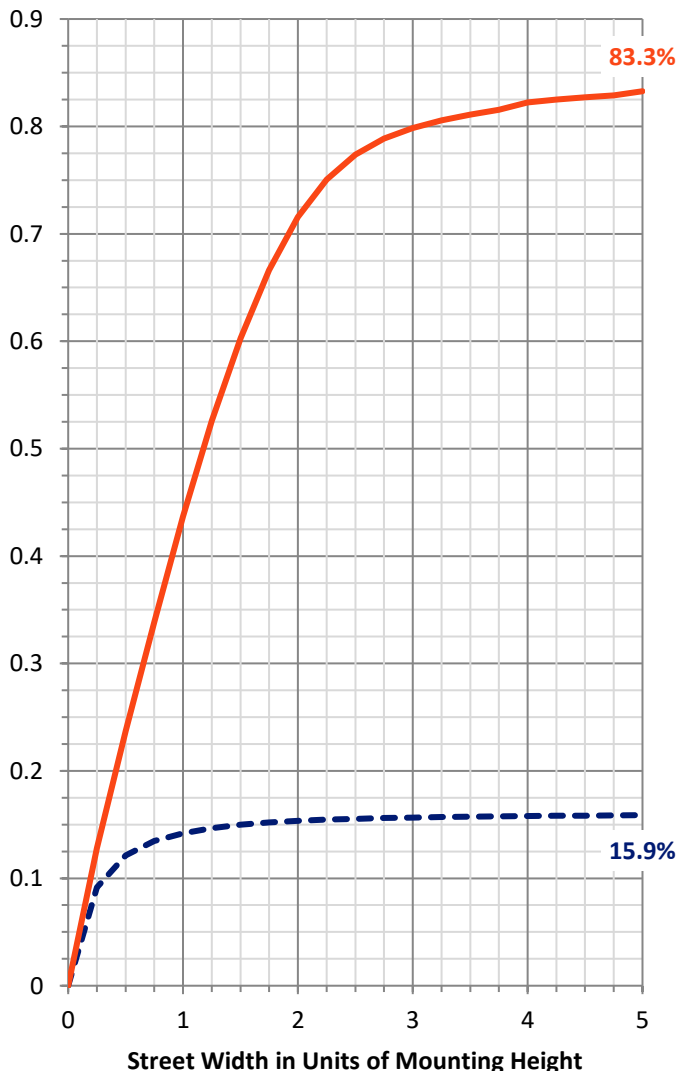
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1247.5	0.0	1247.5
	% Fixture	16.1	0.0	16.1
<b>Street Side</b>	Lumens	6513.9	0.0	6513.9
	% Fixture	83.9	0.0	83.9
<b>Total</b>	Lumens	7761.4	0.0	7761.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.5	2.1
10°-20°	291.4	3.8
20°-30°	381.7	4.9
30°-40°	629.9	8.1
40°-50°	983.6	12.7
50°-60°	1497.5	19.3
60°-70°	1855.4	23.9
70°-80°	1639.1	21.1
80°-90°	321.3	4.1
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°	7761.4	100.0
0°-180°	7761.4	100.0

**Coefficient of Utilization**



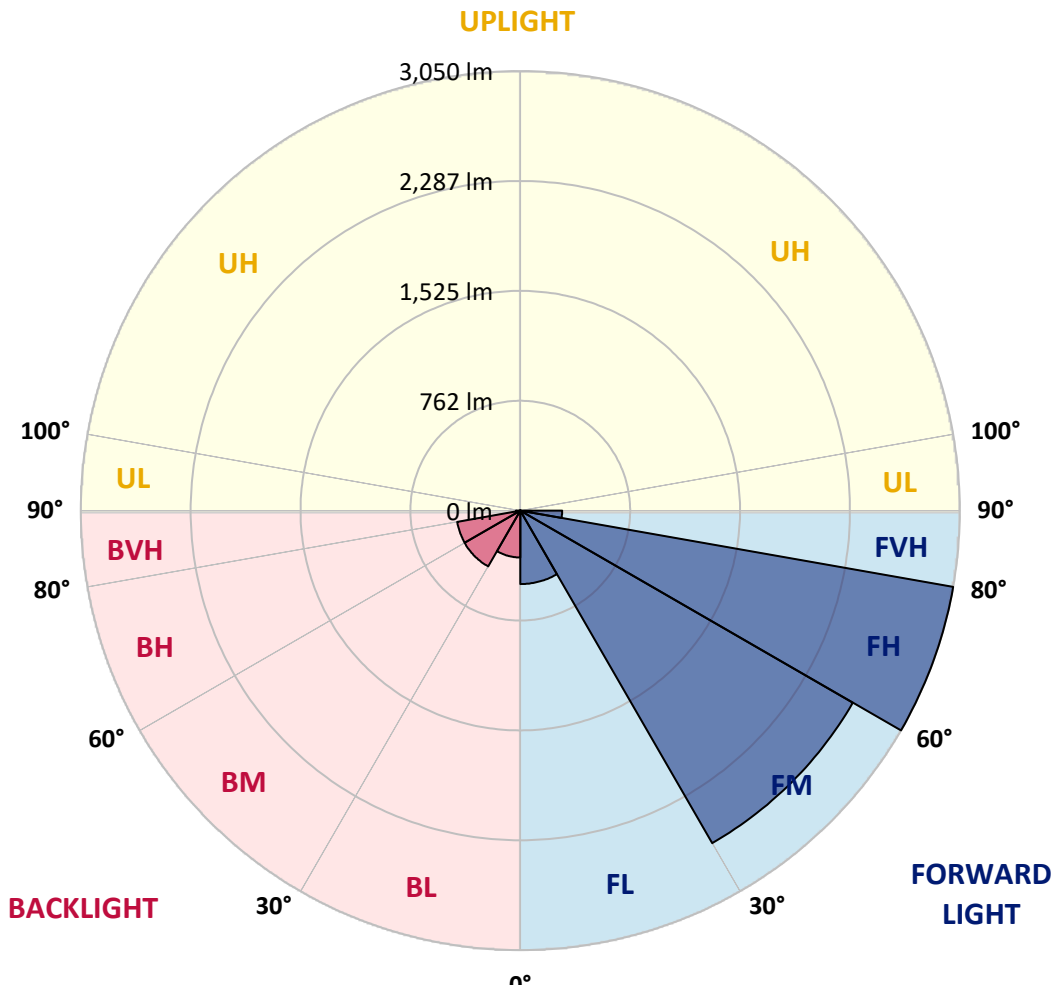
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.6	6.6			
FM (30°-60°)	2664.0	34.3			
FH (60°-80°)	3049.7	39.3			G2/5000
FVH (80°-90°)	290.7	3.7			G3/500
BL (0°-30°)	325.0	4.2	B1/500		
BM (30°-60°)	447.0	5.8	B1/1000		
BH (60°-80°)	444.9	5.7	B1/500		G1/500
BVH (80°-90°)	30.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9
2.5°	1838.7	2046.2	1997.9	1949.6	2023.5	2094.5	2117.2	2137.1	2148.5	2159.9	2171.2
5°	1708.0	1710.9	1713.7	1716.5	1725.1	1730.7	1742.1	1753.5	1764.8	1773.4	1784.7
7.5°	1318.7	1364.1	1438.0	1511.9	1557.4	1600.0	1625.6	1648.3	1665.4	1682.4	1699.5
10°	1466.4	1475.0	1477.8	1477.8	1492.0	1506.2	1398.2	1287.4	1341.4	1395.4	1335.7
12.5°	1151.0	1182.2	1276.0	1367.0	1395.4	1421.0	1369.8	1318.7	1239.1	1156.7	1151.0
15°	1321.5	1330.0	1332.9	1332.9	1244.8	1156.7	1097.0	1034.5	1082.8	1128.3	1023.1
17.5°	1023.1	1031.6	1105.5	1179.4	1193.6	1207.8	1145.3	1082.8	943.5	801.4	935.0
20°	1216.4	1222.0	1222.0	1222.0	1074.3	926.5	937.8	946.4	991.8	1037.3	1000.4
22.5°	980.5	980.5	980.5	980.5	1025.9	1068.6	977.6	886.7	937.8	989.0	943.5
25°	1233.4	1241.9	1222.0	1199.3	1062.9	926.5	969.1	1011.7	935.0	858.3	926.5
27.5°	1125.4	1116.9	1077.1	1034.5	1054.4	1074.3	980.5	886.7	946.4	1006.0	977.6
30°	1494.9	1469.3	1426.7	1384.0	1222.0	1060.0	1034.5	1008.9	957.7	903.7	963.4
32.5°	1986.5	1921.2	1722.2	1523.3	1423.8	1324.3	1196.5	1068.6	1057.2	1043.0	1060.0
35°	2117.2	2074.6	1992.2	1906.9	1736.4	1563.1	1401.1	1236.2	1182.2	1125.4	1136.8
37.5°	2142.8	2128.6	2111.6	2091.7	1918.3	1745.0	1568.8	1392.6	1335.7	1276.0	1233.4
40°	2162.7	2174.1	2205.3	2233.8	2060.4	1884.2	1725.1	1563.1	1503.4	1440.9	1367.0
42.5°	2253.7	2284.9	2324.7	2361.7	2202.5	2043.4	1904.1	1764.8	1688.1	1611.4	1543.2
45°	2464.0	2481.0	2523.6	2563.4	2412.8	2259.3	2100.2	1938.2	1872.8	1807.5	1739.3
47.5°	2770.9	2799.3	2796.5	2793.6	2626.0	2455.4	2276.4	2094.5	2051.9	2006.4	1941.0
50°	3157.4	3137.5	3083.5	3029.5	2847.6	2662.9	2452.6	2239.5	2219.6	2196.8	2142.8
52.5°	3350.7	3336.4	3262.6	3185.8	3001.1	2816.4	2589.0	2358.8	2384.4	2410.0	2358.8
55°	3362.0	3353.5	3299.5	3245.5	3066.5	2887.4	2685.6	2483.9	2546.4	2608.9	2589.0
57.5°	3279.6	3282.4	3265.4	3245.5	3086.4	2927.2	2759.5	2591.9	2699.8	2805.0	2824.9
60°	3069.3	3111.9	3140.3	3168.8	3069.3	2969.8	2824.9	2680.0	2844.8	3009.6	3063.6
62.5°	2680.0	2716.9	2819.2	2918.7	2938.6	2955.6	2859.0	2759.5	2981.2	3200.0	3288.1
65°	2077.5	2128.6	2282.1	2435.5	2594.7	2753.8	2776.6	2799.3	3174.5	3549.6	3623.5
67.5°	1295.9	1324.3	1486.3	1645.5	1966.6	2284.9	2466.8	2648.7	3296.7	3941.8	4058.3
70°	684.9	727.5	807.1	883.8	1159.5	1435.2	1804.6	2174.1	3111.9	4049.8	4527.2
72.5°	520.1	537.1	579.8	622.4	719.0	815.6	1048.7	1281.7	2435.5	3586.5	4686.4
75°	375.1	389.3	434.8	477.4	574.1	667.9	764.5	858.3	1503.4	2148.5	3884.9
77.5°	218.8	224.5	247.2	267.1	417.8	568.4	673.5	775.9	932.2	1085.6	2773.7
80°	150.6	153.5	162.0	170.5	235.9	301.2	503.0	704.8	775.9	844.1	1838.7
82.5°	99.5	113.7	119.4	125.0	147.8	170.5	295.6	417.8	613.9	807.1	1256.1
85°	51.2	56.8	68.2	76.7	88.1	96.6	133.6	167.7	508.7	846.9	903.7
87.5°	5.7	8.5	11.4	11.4	14.2	17.1	25.6	34.1	153.5	272.8	233.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9
2.5°	2182.6	2188.3	2185.5	2191.1	2194.0	2196.8	2199.7	2199.7	2196.8	2191.1	2185.5
5°	1796.1	1909.8	2103.0	2122.9	2142.8	2148.5	2154.2	2157.0	2151.4	2142.8	2134.3
7.5°	1713.7	1730.7	1557.4	1696.6	1833.1	1844.4	1852.9	1847.3	1850.1	1773.4	1693.8
10°	1276.0	1290.2	1295.9	1338.6	1378.3	1472.1	1565.9	1551.7	1540.3	1403.9	1264.7
12.5°	1145.3	1219.2	1236.2	1165.2	1094.1	1190.8	1287.4	1276.0	1256.1	1131.1	1006.0
15°	917.9	841.2	1006.0	1159.5	1310.1	1401.1	1489.2	1463.6	1440.9	1281.7	1119.7
17.5°	1065.7	1111.2	1057.2	1079.9	1102.7	1170.9	1236.2	1196.5	1182.2	1071.4	957.7
20°	963.4	960.6	923.6	1057.2	1190.8	1324.3	1455.1	1415.3	1347.1	1131.1	912.3
22.5°	898.1	1082.8	1162.4	1145.3	1125.4	1074.3	1020.3	986.2	935.0	886.7	835.5
25°	991.8	915.1	977.6	1182.2	1384.0	1421.0	1457.9	1372.7	1261.8	1043.0	824.2
27.5°	949.2	1068.6	1148.1	1284.6	1418.1	1546.0	1673.9	1560.2	1415.3	1142.5	866.8
30°	1023.1	1088.5	1310.1	1565.9	1821.7	1867.2	1909.8	1753.5	1560.2	1284.6	1008.9
32.5°	1077.1	1250.5	1446.5	1645.5	1841.6	1875.7	1909.8	1733.6	1511.9	1207.8	903.7
35°	1145.3	1273.2	1452.2	1685.3	1918.3	1926.8	1932.5	1727.9	1477.8	1133.9	787.2
37.5°	1190.8	1335.7	1529.0	1776.2	2023.5	2006.4	1986.5	1753.5	1466.4	1082.8	699.1
40°	1293.1	1418.1	1625.6	1878.5	2131.5	2103.0	2074.6	1807.5	1469.3	1031.6	591.1
42.5°	1472.1	1520.4	1745.0	2014.9	2284.9	2253.7	2219.6	1901.3	1503.4	1003.2	500.2
45°	1668.2	1691.0	1884.2	2191.1	2498.1	2458.3	2418.5	2046.2	1565.9	989.0	412.1
47.5°	1872.8	1867.2	2046.2	2418.5	2787.9	2702.7	2617.4	2216.7	1682.4	1017.4	352.4
50°	2086.0	2077.5	2250.8	2651.5	3052.2	2961.3	2870.4	2421.3	1816.0	1068.6	318.3
52.5°	2304.8	2324.7	2452.6	2870.4	3285.3	3202.9	3117.6	2643.0	1946.7	1125.4	304.1
55°	2566.3	2628.8	2680.0	3097.7	3515.5	3433.1	3347.8	2870.4	2128.6	1213.5	298.4
57.5°	2841.9	2924.4	2947.1	3327.9	3708.7	3654.7	3597.9	3086.4	2313.3	1315.8	315.5
60°	3117.6	3225.6	3308.0	3615.0	3919.0	3856.5	3794.0	3305.2	2486.7	1429.5	372.3
62.5°	3373.4	3524.0	3657.6	3882.1	4103.8	4029.9	3956.0	3495.6	2682.8	1585.8	486.0
65°	3694.5	3828.1	3973.0	4120.8	4265.8	4194.7	4123.7	3734.3	2944.3	1781.9	616.7
67.5°	4174.8	4214.6	4288.5	4379.4	4467.5	4424.9	4379.4	4027.0	3171.6	1895.6	616.7
70°	5001.8	4913.7	4802.9	4800.0	4794.4	4726.2	4655.1	4191.9	3185.8	1850.1	514.4
72.5°	5783.4	6084.6	5732.2	5476.4	5220.7	4919.4	4615.3	3970.2	2813.5	1611.4	409.2
75°	5618.5	6789.4	6618.9	5925.5	5232.0	4686.4	4140.7	3458.6	2316.2	1332.9	349.6
77.5°	4459.0	5990.8	6152.8	5516.2	4876.8	4137.9	3396.1	2674.3	1605.7	949.2	292.7
80°	2830.6	4478.9	4507.3	3916.2	3322.2	2529.3	1736.4	1165.2	773.0	503.0	233.0
82.5°	1705.2	2651.5	2307.7	1654.0	1000.4	693.4	383.7	369.5	284.2	210.3	136.4
85°	960.6	1298.8	932.2	611.0	289.9	207.5	122.2	130.7	125.0	102.3	76.7
87.5°	190.4	224.5	153.5	88.1	22.7	22.7	19.9	19.9	14.2	14.2	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9	2213.9
2.5°	2185.5	2185.5	2179.8	2174.1	2171.2	2168.4	2083.1	1997.9	1941.0	1881.4	1867.2
5°	2029.1	1924.0	1844.4	1764.8	1747.8	1730.7	1727.9	1725.1	1716.5	1705.2	1702.3
7.5°	1602.9	1509.1	1574.4	1637.0	1625.6	1611.4	1602.9	1591.5	1571.6	1551.7	1452.2
10°	1233.4	1202.1	1202.1	1199.3	1176.6	1153.8	1205.0	1256.1	1313.0	1369.8	1364.1
12.5°	1051.5	1094.1	983.3	869.6	932.2	991.8	1048.7	1102.7	1131.1	1159.5	1071.4
15°	991.8	861.1	824.2	787.2	815.6	844.1	761.6	676.4	741.7	807.1	821.3
17.5°	889.5	821.3	784.4	744.6	636.6	525.8	562.7	599.7	596.8	594.0	579.8
20°	829.8	744.6	679.2	611.0	559.9	508.7	454.7	397.9	372.3	343.9	412.1
22.5°	790.1	744.6	608.2	471.8	432.0	392.2	349.6	304.1	321.1	335.3	346.7
25°	690.6	554.2	477.4	400.7	338.2	272.8	275.7	278.5	264.3	250.1	315.5
27.5°	699.1	528.6	409.2	289.9	267.1	241.6	227.4	210.3	233.0	252.9	258.6
30°	733.2	457.6	346.7	235.9	210.3	184.7	193.3	198.9	198.9	198.9	227.4
32.5°	650.8	397.9	295.6	190.4	176.2	159.1	162.0	162.0	176.2	190.4	204.6
35°	551.3	312.6	241.6	167.7	153.5	139.3	144.9	150.6	164.8	179.0	198.9
37.5°	474.6	247.2	198.9	150.6	142.1	133.6	136.4	139.3	153.5	164.8	181.9
40°	400.7	207.5	176.2	144.9	136.4	127.9	130.7	130.7	142.1	153.5	164.8
42.5°	346.7	190.4	167.7	142.1	133.6	122.2	125.0	125.0	133.6	142.1	150.6
45°	298.4	181.9	162.0	139.3	130.7	119.4	119.4	116.5	125.0	130.7	136.4
47.5°	267.1	179.0	159.1	139.3	127.9	113.7	110.8	108.0	116.5	122.2	130.7
50°	250.1	179.0	159.1	136.4	122.2	108.0	105.2	102.3	113.7	122.2	136.4
52.5°	244.4	181.9	159.1	136.4	119.4	102.3	102.3	102.3	122.2	142.1	147.8
55°	244.4	187.6	162.0	133.6	116.5	99.5	105.2	110.8	116.5	122.2	122.2
57.5°	250.1	184.7	156.3	127.9	116.5	102.3	99.5	96.6	99.5	102.3	102.3
60°	275.7	179.0	150.6	122.2	108.0	93.8	90.9	88.1	93.8	96.6	96.6
62.5°	332.5	176.2	150.6	122.2	105.2	88.1	88.1	85.3	88.1	90.9	93.8
65°	406.4	196.1	159.1	122.2	105.2	88.1	82.4	76.7	82.4	85.3	85.3
67.5°	423.4	230.2	184.7	136.4	110.8	85.3	79.6	73.9	79.6	82.4	82.4
70°	383.7	252.9	198.9	144.9	116.5	85.3	79.6	71.0	73.9	76.7	73.9
72.5°	329.7	247.2	196.1	142.1	113.7	82.4	76.7	68.2	71.0	71.0	68.2
75°	281.4	213.1	167.7	119.4	96.6	71.0	65.4	59.7	62.5	62.5	62.5
77.5°	235.9	176.2	136.4	93.8	76.7	56.8	54.0	51.2	54.0	56.8	54.0
80°	184.7	133.6	102.3	68.2	56.8	42.6	45.5	45.5	48.3	48.3	48.3
82.5°	108.0	79.6	65.4	48.3	39.8	31.3	34.1	36.9	39.8	39.8	39.8
85°	65.4	51.2	42.6	34.1	28.4	19.9	25.6	28.4	28.4	28.4	25.6
87.5°	11.4	11.4	11.4	11.4	8.5	5.7	11.4	14.2	14.2	14.2	11.4
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: P561039

CATALOG NUMBER: SDL-PA1-80-727-U-SL3

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	2213.9	2213.9	2213.9	2213.9
2.5°	1850.1	1850.1	1847.3	1847.3
5°	1699.5	1693.8	1688.1	1693.8
7.5°	1352.8	1313.0	1273.2	1284.6
10°	1355.6	1352.8	1349.9	1347.1
12.5°	980.5	949.2	917.9	898.1
15°	832.7	824.2	812.8	812.8
17.5°	562.7	537.1	511.5	494.5
20°	480.3	494.5	505.9	511.5
22.5°	358.1	369.5	380.8	386.5
25°	378.0	406.4	432.0	434.8
27.5°	261.5	275.7	287.0	281.4
30°	255.8	264.3	272.8	272.8
32.5°	218.8	241.6	264.3	267.1
35°	218.8	230.2	241.6	244.4
37.5°	196.1	204.6	210.3	213.1
40°	176.2	181.9	184.7	184.7
42.5°	156.3	170.5	181.9	181.9
45°	139.3	176.2	213.1	224.5
47.5°	136.4	190.4	244.4	255.8
50°	147.8	198.9	247.2	252.9
52.5°	150.6	179.0	204.6	204.6
55°	119.4	133.6	144.9	142.1
57.5°	102.3	113.7	122.2	122.2
60°	96.6	110.8	122.2	125.0
62.5°	93.8	99.5	105.2	110.8
65°	85.3	85.3	85.3	85.3
67.5°	79.6	79.6	76.7	76.7
70°	71.0	71.0	71.0	71.0
72.5°	65.4	65.4	65.4	62.5
75°	59.7	59.7	56.8	56.8
77.5°	51.2	51.2	51.2	51.2
80°	45.5	45.5	42.6	42.6
82.5°	36.9	36.9	34.1	31.3
85°	22.7	22.7	19.9	17.1
87.5°	8.5	8.5	5.7	2.8
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

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Peachtree City, GA 30269

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(END OF REPORT)