

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: P559895

Luminaire Tested: **SDL-PA1-100-760-U-SL3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559895  
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-PA1-100-760-U-SL3  
Description: Springdale  
(1) 70 CRI, 5700K, 1200mA 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: 10264.1 lumens  
Efficiency: N/A  
Efficacy: 109.4 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: B2 - U0 - G3

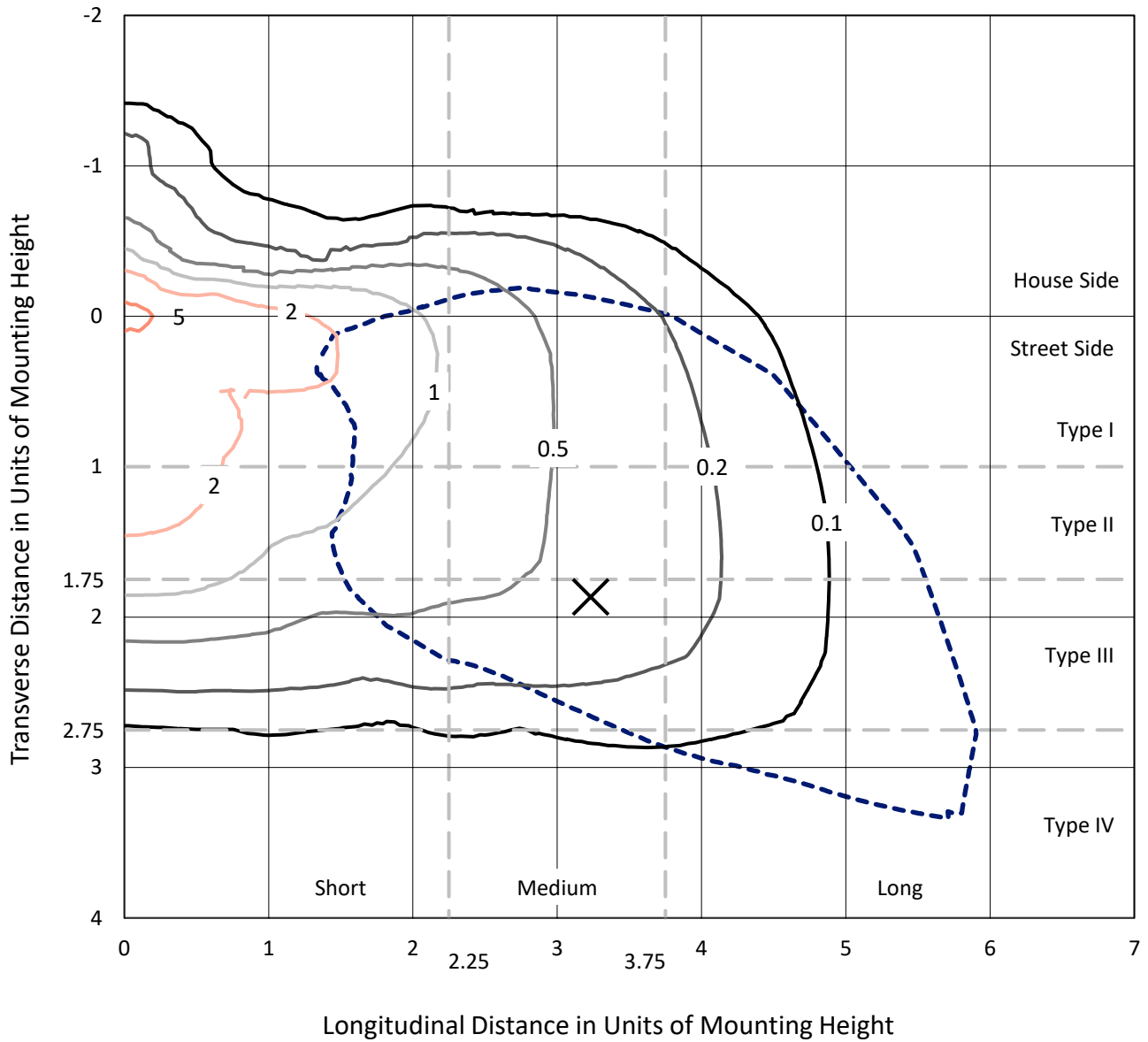
Input Watts (W): 93.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

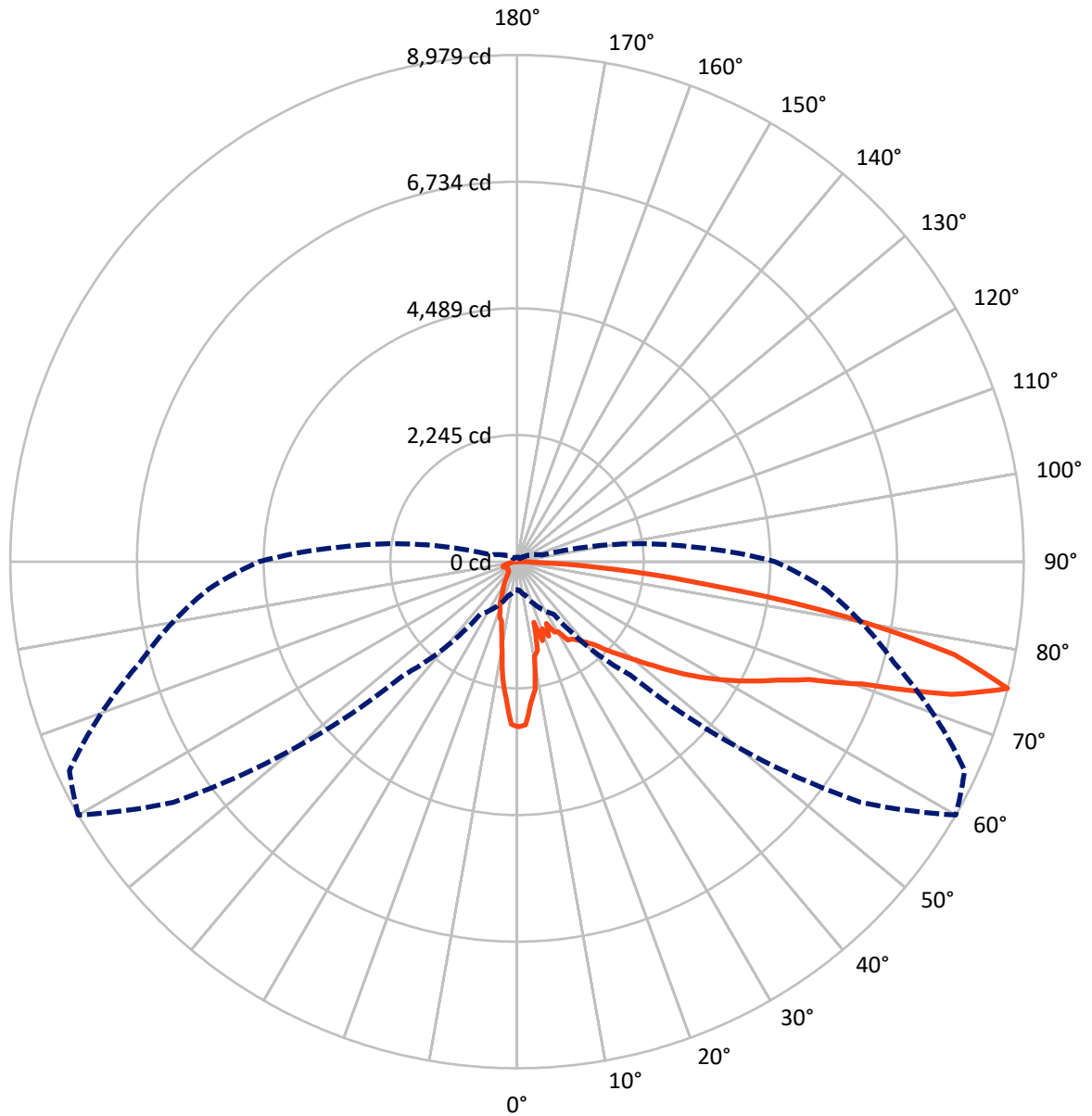
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.3 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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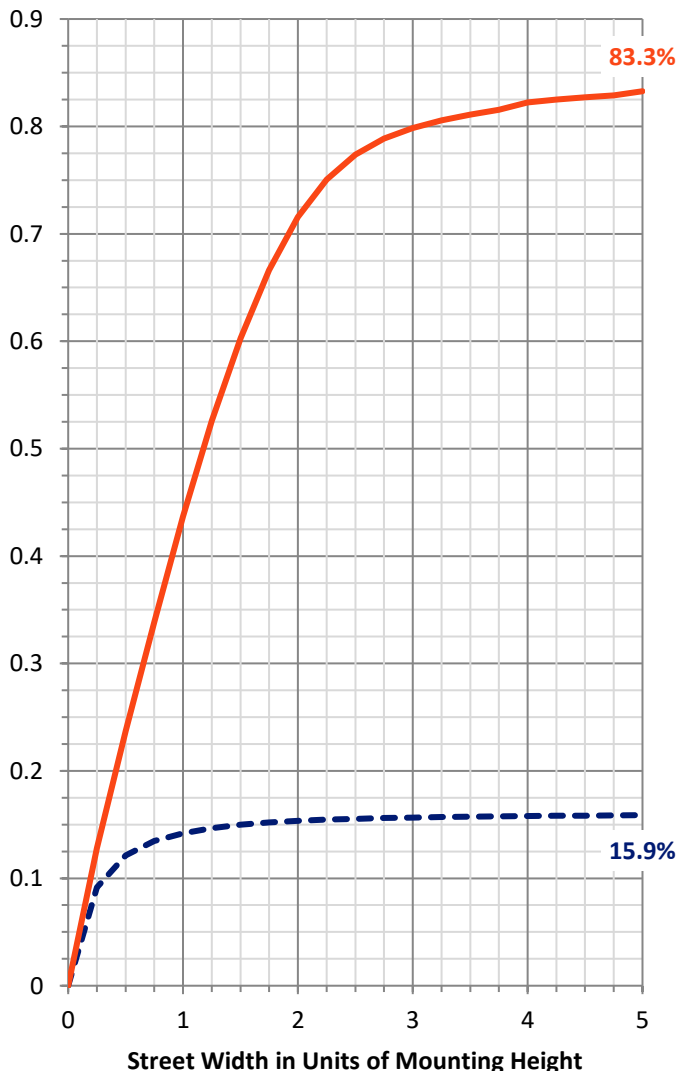
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1649.8	0.0	1649.8
	% Fixture	16.1	0.0	16.1
<b>Street Side</b>	Lumens	8614.3	0.0	8614.3
	% Fixture	83.9	0.0	83.9
<b>Total</b>	Lumens	10264.1	0.0	10264.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.6	2.1
10°-20°	385.3	3.8
20°-30°	504.8	4.9
30°-40°	832.9	8.1
40°-50°	1300.8	12.7
50°-60°	1980.3	19.3
60°-70°	2453.7	23.9
70°-80°	2167.7	21.1
80°-90°	424.9	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°	10264.1	100.0
0°-180°	10264.1	100.0

**Coefficient of Utilization**



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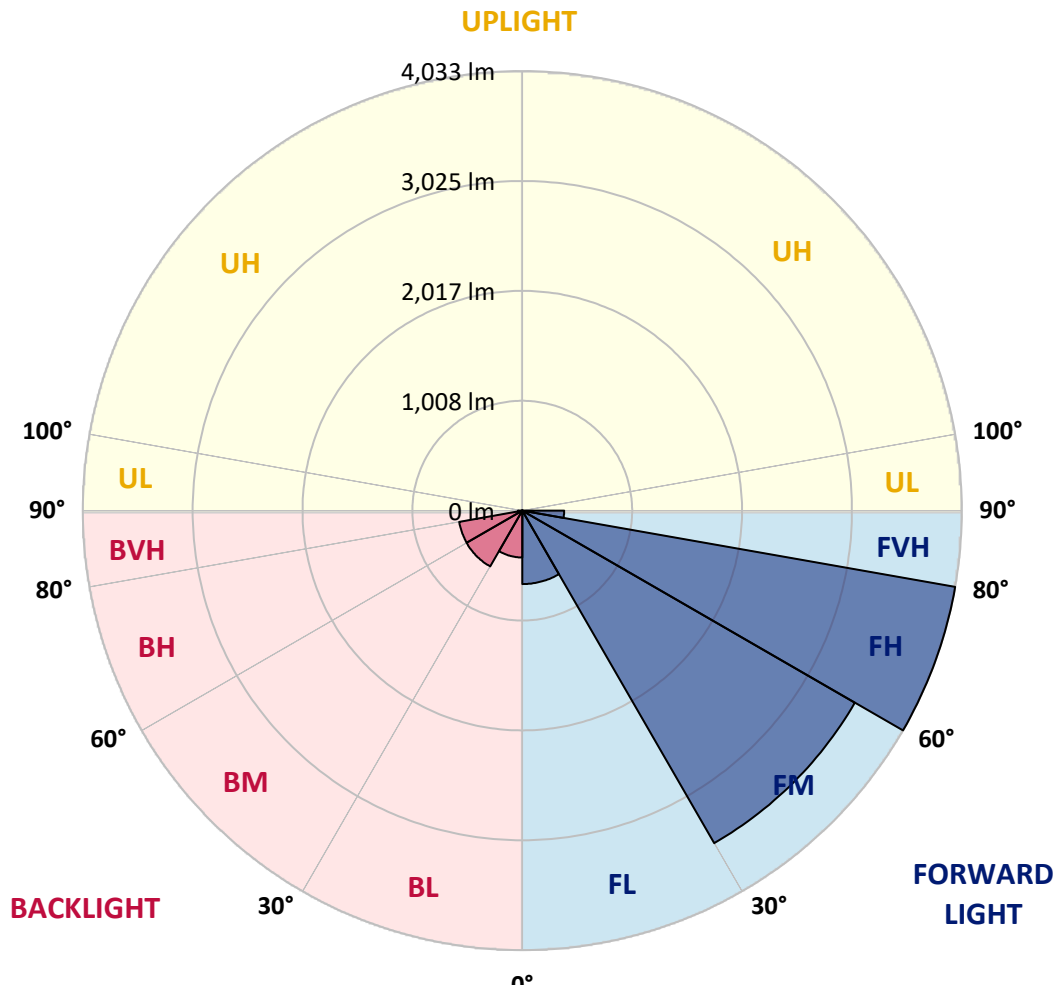
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.9	6.6			
FM (30°-60°)	3522.9	34.3			
FH (60°-80°)	4033.1	39.3			G2/5000
FVH (80°-90°)	384.4	3.7			G3/500
BL (0°-30°)	429.8	4.2	B1/500		
BM (30°-60°)	591.1	5.8	B1/1000		
BH (60°-80°)	588.3	5.7	B2/1000		G2/1000
BVH (80°-90°)	40.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7
2.5°	2431.6	2706.0	2642.1	2578.2	2675.9	2769.9	2799.9	2826.2	2841.3	2856.3	2871.3
5°	2258.7	2262.5	2266.3	2270.0	2281.3	2288.8	2303.8	2318.9	2333.9	2345.2	2360.2
7.5°	1743.9	1804.0	1901.7	1999.4	2059.6	2115.9	2149.8	2179.8	2202.4	2224.9	2247.5
10°	1939.3	1950.6	1954.3	1954.3	1973.1	1991.9	1849.1	1702.5	1773.9	1845.3	1766.4
12.5°	1522.1	1563.5	1687.5	1807.7	1845.3	1879.2	1811.5	1743.9	1638.6	1529.6	1522.1
15°	1747.6	1758.9	1762.6	1762.6	1646.1	1529.6	1450.7	1368.0	1431.9	1492.0	1353.0
17.5°	1353.0	1364.3	1462.0	1559.7	1578.5	1597.3	1514.6	1431.9	1247.8	1059.8	1236.5
20°	1608.6	1616.1	1616.1	1616.1	1420.6	1225.2	1240.2	1251.5	1311.6	1371.8	1322.9
22.5°	1296.6	1296.6	1296.6	1296.6	1356.7	1413.1	1292.9	1172.6	1240.2	1307.9	1247.8
25°	1631.1	1642.4	1616.1	1586.0	1405.6	1225.2	1281.6	1338.0	1236.5	1135.0	1225.2
27.5°	1488.3	1477.0	1424.4	1368.0	1394.3	1420.6	1296.6	1172.6	1251.5	1330.4	1292.9
30°	1976.9	1943.0	1886.7	1830.3	1616.1	1401.8	1368.0	1334.2	1266.5	1195.1	1274.1
32.5°	2627.1	2540.6	2277.5	2014.5	1882.9	1751.4	1582.2	1413.1	1398.1	1379.3	1401.8
35°	2799.9	2743.6	2634.6	2521.8	2296.3	2067.1	1852.8	1634.9	1563.5	1488.3	1503.3
37.5°	2833.8	2815.0	2792.4	2766.1	2536.9	2307.6	2074.6	1841.6	1766.4	1687.5	1631.1
40°	2860.1	2875.1	2916.4	2954.0	2724.8	2491.8	2281.3	2067.1	1988.1	1905.5	1807.7
42.5°	2980.3	3021.7	3074.3	3123.2	2912.7	2702.2	2518.1	2333.9	2232.4	2131.0	2040.8
45°	3258.5	3281.0	3337.4	3390.0	3190.8	2987.9	2777.4	2563.2	2476.7	2390.3	2300.1
47.5°	3664.3	3701.9	3698.2	3694.4	3472.7	3247.2	3010.4	2769.9	2713.5	2653.4	2566.9
50°	4175.5	4149.2	4077.8	4006.4	3765.8	3521.5	3243.4	2961.5	2935.2	2905.2	2833.8
52.5°	4431.0	4412.3	4314.5	4213.1	3968.8	3724.5	3423.8	3119.4	3153.2	3187.0	3119.4
55°	4446.1	4434.8	4363.4	4292.0	4055.2	3818.4	3551.6	3284.8	3367.4	3450.1	3423.8
57.5°	4337.1	4340.8	4318.3	4292.0	4081.5	3871.1	3649.3	3427.6	3570.4	3709.4	3735.8
60°	4059.0	4115.3	4152.9	4190.5	4059.0	3927.4	3735.8	3544.1	3762.1	3980.0	4051.5
62.5°	3544.1	3592.9	3728.2	3859.8	3886.1	3908.6	3780.9	3649.3	3942.5	4231.9	4348.4
65°	2747.3	2815.0	3017.9	3220.9	3431.3	3641.8	3671.9	3701.9	4198.0	4694.1	4791.8
67.5°	1713.8	1751.4	1965.6	2176.1	2600.7	3021.7	3262.2	3502.7	4359.6	5212.8	5366.9
70°	905.8	962.1	1067.4	1168.8	1533.4	1897.9	2386.5	2875.1	4115.3	5355.6	5987.0
72.5°	687.8	710.3	766.7	823.1	950.9	1078.6	1386.8	1695.0	3220.9	4743.0	6197.4
75°	496.1	514.9	575.0	631.4	759.2	883.2	1011.0	1135.0	1988.1	2841.3	5137.6
77.5°	289.4	296.9	327.0	353.3	552.5	751.7	890.7	1026.0	1232.7	1435.7	3668.1
80°	199.2	202.9	214.2	225.5	311.9	398.4	665.2	932.1	1026.0	1116.2	2431.6
82.5°	131.5	150.3	157.8	165.4	195.4	225.5	390.9	552.5	811.8	1067.4	1661.2
85°	67.6	75.2	90.2	101.5	116.5	127.8	176.6	221.7	672.7	1120.0	1195.1
87.5°	7.5	11.3	15.0	15.0	18.8	22.5	33.8	45.1	202.9	360.8	308.2
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°	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7
2.5°	2886.4	2893.9	2890.1	2897.7	2901.4	2905.2	2908.9	2908.9	2905.2	2897.7	2890.1
5°	2375.3	2525.6	2781.1	2807.5	2833.8	2841.3	2848.8	2852.6	2845.0	2833.8	2822.5
7.5°	2266.3	2288.8	2059.6	2243.7	2424.1	2439.1	2450.4	2442.9	2446.7	2345.2	2240.0
10°	1687.5	1706.3	1713.8	1770.2	1822.8	1946.8	2070.8	2052.0	2037.0	1856.6	1672.4
12.5°	1514.6	1612.3	1634.9	1540.9	1446.9	1574.7	1702.5	1687.5	1661.2	1495.8	1330.4
15°	1213.9	1112.5	1330.4	1533.4	1732.6	1852.8	1969.4	1935.5	1905.5	1695.0	1480.8
17.5°	1409.4	1469.5	1398.1	1428.2	1458.2	1548.4	1634.9	1582.2	1563.5	1416.9	1266.5
20°	1274.1	1270.3	1221.4	1398.1	1574.7	1751.4	1924.3	1871.6	1781.4	1495.8	1206.4
22.5°	1187.6	1431.9	1537.1	1514.6	1488.3	1420.6	1349.2	1304.1	1236.5	1172.6	1104.9
25°	1311.6	1210.2	1292.9	1563.5	1830.3	1879.2	1928.0	1815.3	1668.7	1379.3	1089.9
27.5°	1255.3	1413.1	1518.4	1698.8	1875.4	2044.5	2213.6	2063.3	1871.6	1510.8	1146.3
30°	1353.0	1439.4	1732.6	2070.8	2409.1	2469.2	2525.6	2318.9	2063.3	1698.8	1334.2
32.5°	1424.4	1653.7	1913.0	2176.1	2435.4	2480.5	2525.6	2292.6	1999.4	1597.3	1195.1
35°	1514.6	1683.7	1920.5	2228.7	2536.9	2548.1	2555.6	2285.1	1954.3	1499.6	1041.1
37.5°	1574.7	1766.4	2022.0	2348.9	2675.9	2653.4	2627.1	2318.9	1939.3	1431.9	924.5
40°	1710.0	1875.4	2149.8	2484.2	2818.7	2781.1	2743.6	2390.3	1943.0	1364.3	781.7
42.5°	1946.8	2010.7	2307.6	2664.6	3021.7	2980.3	2935.2	2514.3	1988.1	1326.7	661.5
45°	2206.1	2236.2	2491.8	2897.7	3303.6	3250.9	3198.3	2706.0	2070.8	1307.9	545.0
47.5°	2476.7	2469.2	2706.0	3198.3	3686.9	3574.2	3461.4	2931.5	2224.9	1345.5	466.0
50°	2758.6	2747.3	2976.6	3506.5	4036.4	3916.2	3795.9	3202.1	2401.6	1413.1	420.9
52.5°	3048.0	3074.3	3243.4	3795.9	4344.6	4235.6	4122.9	3495.2	2574.4	1488.3	402.1
55°	3393.8	3476.4	3544.1	4096.6	4649.0	4540.0	4427.3	3795.9	2815.0	1604.8	394.6
57.5°	3758.3	3867.3	3897.4	4401.0	4904.6	4833.2	4758.0	4081.5	3059.3	1740.1	417.2
60°	4122.9	4265.7	4374.7	4780.6	5182.7	5100.0	5017.3	4370.9	3288.5	1890.4	492.3
62.5°	4461.1	4660.3	4836.9	5133.8	5427.0	5329.3	5231.6	4622.7	3547.8	2097.1	642.7
65°	4885.8	5062.4	5254.1	5449.5	5641.2	5547.3	5453.3	4938.4	3893.6	2356.5	815.6
67.5°	5521.0	5573.6	5671.3	5791.6	5908.1	5851.7	5791.6	5325.5	4194.3	2506.8	815.6
70°	6614.6	6498.1	6351.5	6347.8	6340.3	6250.1	6156.1	5543.5	4213.1	2446.7	680.3
72.5°	7648.2	8046.5	7580.5	7242.3	6904.0	6505.6	6103.5	5250.4	3720.7	2131.0	541.2
75°	7430.2	8978.6	8753.1	7836.1	6919.0	6197.4	5475.9	4573.9	3063.0	1762.6	462.3
77.5°	5896.8	7922.5	8136.7	7294.9	6449.3	5472.1	4491.2	3536.6	2123.4	1255.3	387.1
80°	3743.3	5923.1	5960.7	5178.9	4393.5	3344.9	2296.3	1540.9	1022.3	665.2	308.2
82.5°	2255.0	3506.5	3051.7	2187.3	1322.9	917.0	507.4	488.6	375.8	278.1	180.4
85°	1270.3	1717.5	1232.7	808.0	383.3	274.4	161.6	172.9	165.4	135.3	101.5
87.5°	251.8	296.9	202.9	116.5	30.1	30.1	26.3	26.3	18.8	18.8	15.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7	2927.7
2.5°	2890.1	2890.1	2882.6	2875.1	2871.3	2867.6	2754.8	2642.1	2566.9	2488.0	2469.2
5°	2683.4	2544.4	2439.1	2333.9	2311.4	2288.8	2285.1	2281.3	2270.0	2255.0	2251.2
7.5°	2119.7	1995.7	2082.1	2164.8	2149.8	2131.0	2119.7	2104.7	2078.3	2052.0	1920.5
10°	1631.1	1589.8	1589.8	1586.0	1555.9	1525.9	1593.5	1661.2	1736.3	1811.5	1804.0
12.5°	1390.6	1446.9	1300.4	1150.0	1232.7	1311.6	1386.8	1458.2	1495.8	1533.4	1416.9
15°	1311.6	1138.8	1089.9	1041.1	1078.6	1116.2	1007.2	894.5	980.9	1067.4	1086.2
17.5°	1176.4	1086.2	1037.3	984.7	841.9	695.3	744.1	793.0	789.2	785.5	766.7
20°	1097.4	984.7	898.2	808.0	740.4	672.7	601.3	526.2	492.3	454.8	545.0
22.5°	1044.8	984.7	804.3	623.9	571.3	518.6	462.3	402.1	424.7	443.5	458.5
25°	913.3	732.9	631.4	529.9	447.2	360.8	364.6	368.3	349.5	330.7	417.2
27.5°	924.5	699.0	541.2	383.3	353.3	319.5	300.7	278.1	308.2	334.5	342.0
30°	969.6	605.1	458.5	311.9	278.1	244.3	255.6	263.1	263.1	263.1	300.7
32.5°	860.7	526.2	390.9	251.8	233.0	210.5	214.2	214.2	233.0	251.8	270.6
35°	729.1	413.4	319.5	221.7	202.9	184.2	191.7	199.2	218.0	236.8	263.1
37.5°	627.6	327.0	263.1	199.2	187.9	176.6	180.4	184.2	202.9	218.0	240.5
40°	529.9	274.4	233.0	191.7	180.4	169.1	172.9	172.9	187.9	202.9	218.0
42.5°	458.5	251.8	221.7	187.9	176.6	161.6	165.4	165.4	176.6	187.9	199.2
45°	394.6	240.5	214.2	184.2	172.9	157.8	157.8	154.1	165.4	172.9	180.4
47.5°	353.3	236.8	210.5	184.2	169.1	150.3	146.6	142.8	154.1	161.6	172.9
50°	330.7	236.8	210.5	180.4	161.6	142.8	139.1	135.3	150.3	161.6	180.4
52.5°	323.2	240.5	210.5	180.4	157.8	135.3	135.3	135.3	161.6	187.9	195.4
55°	323.2	248.0	214.2	176.6	154.1	131.5	139.1	146.6	154.1	161.6	161.6
57.5°	330.7	244.3	206.7	169.1	154.1	135.3	131.5	127.8	131.5	135.3	135.3
60°	364.6	236.8	199.2	161.6	142.8	124.0	120.3	116.5	124.0	127.8	127.8
62.5°	439.7	233.0	199.2	161.6	139.1	116.5	116.5	112.7	116.5	120.3	124.0
65°	537.4	259.3	210.5	161.6	139.1	116.5	109.0	101.5	109.0	112.7	112.7
67.5°	560.0	304.4	244.3	180.4	146.6	112.7	105.2	97.7	105.2	109.0	109.0
70°	507.4	334.5	263.1	191.7	154.1	112.7	105.2	94.0	97.7	101.5	97.7
72.5°	436.0	327.0	259.3	187.9	150.3	109.0	101.5	90.2	94.0	94.0	90.2
75°	372.1	281.9	221.7	157.8	127.8	94.0	86.4	78.9	82.7	82.7	82.7
77.5°	311.9	233.0	180.4	124.0	101.5	75.2	71.4	67.6	71.4	75.2	71.4
80°	244.3	176.6	135.3	90.2	75.2	56.4	60.1	60.1	63.9	63.9	63.9
82.5°	142.8	105.2	86.4	63.9	52.6	41.3	45.1	48.9	52.6	52.6	52.6
85°	86.4	67.6	56.4	45.1	37.6	26.3	33.8	37.6	37.6	37.6	33.8
87.5°	15.0	15.0	15.0	15.0	11.3	7.5	15.0	18.8	18.8	18.8	15.0
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: P559895  
 CATALOG NUMBER: SDL-PA1-100-760-U-SL3

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	2927.7	2927.7	2927.7	2927.7
2.5°	2446.7	2446.7	2442.9	2442.9
5°	2247.5	2240.0	2232.4	2240.0
7.5°	1789.0	1736.3	1683.7	1698.8
10°	1792.7	1789.0	1785.2	1781.4
12.5°	1296.6	1255.3	1213.9	1187.6
15°	1101.2	1089.9	1074.9	1074.9
17.5°	744.1	710.3	676.5	653.9
20°	635.2	653.9	669.0	676.5
22.5°	473.5	488.6	503.6	511.1
25°	499.9	537.4	571.3	575.0
27.5°	345.8	364.6	379.6	372.1
30°	338.2	349.5	360.8	360.8
32.5°	289.4	319.5	349.5	353.3
35°	289.4	304.4	319.5	323.2
37.5°	259.3	270.6	278.1	281.9
40°	233.0	240.5	244.3	244.3
42.5°	206.7	225.5	240.5	240.5
45°	184.2	233.0	281.9	296.9
47.5°	180.4	251.8	323.2	338.2
50°	195.4	263.1	327.0	334.5
52.5°	199.2	236.8	270.6	270.6
55°	157.8	176.6	191.7	187.9
57.5°	135.3	150.3	161.6	161.6
60°	127.8	146.6	161.6	165.4
62.5°	124.0	131.5	139.1	146.6
65°	112.7	112.7	112.7	112.7
67.5°	105.2	105.2	101.5	101.5
70°	94.0	94.0	94.0	94.0
72.5°	86.4	86.4	86.4	82.7
75°	78.9	78.9	75.2	75.2
77.5°	67.6	67.6	67.6	67.6
80°	60.1	60.1	56.4	56.4
82.5°	48.9	48.9	45.1	41.3
85°	30.1	30.1	26.3	22.5
87.5°	11.3	11.3	7.5	3.8
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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(END OF REPORT)