

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: P561047

Luminaire Tested: **SDL-PA1-80-727-U-T2U**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)  
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-T2U  
Description: Springdale  
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7894.5 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

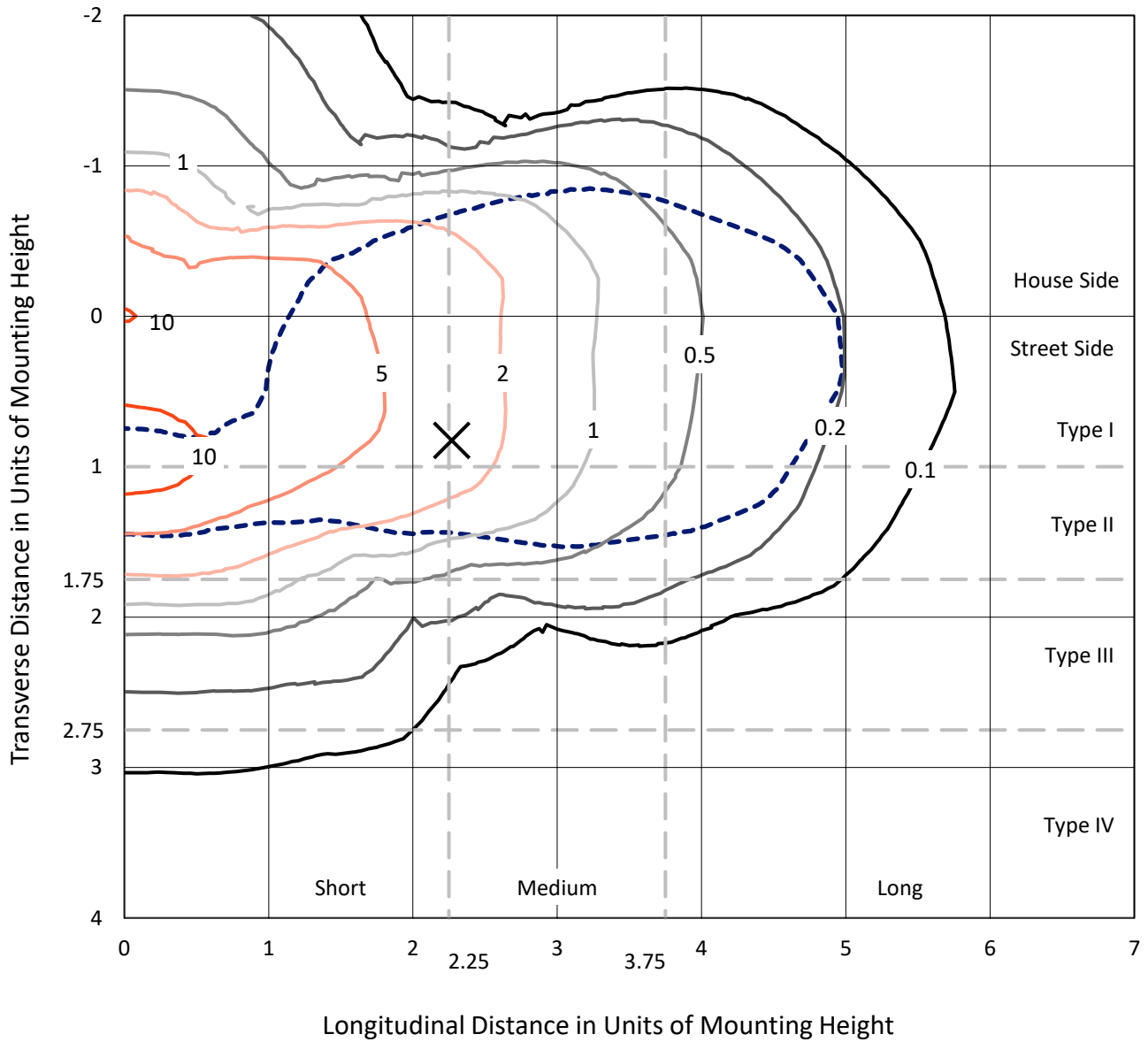
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

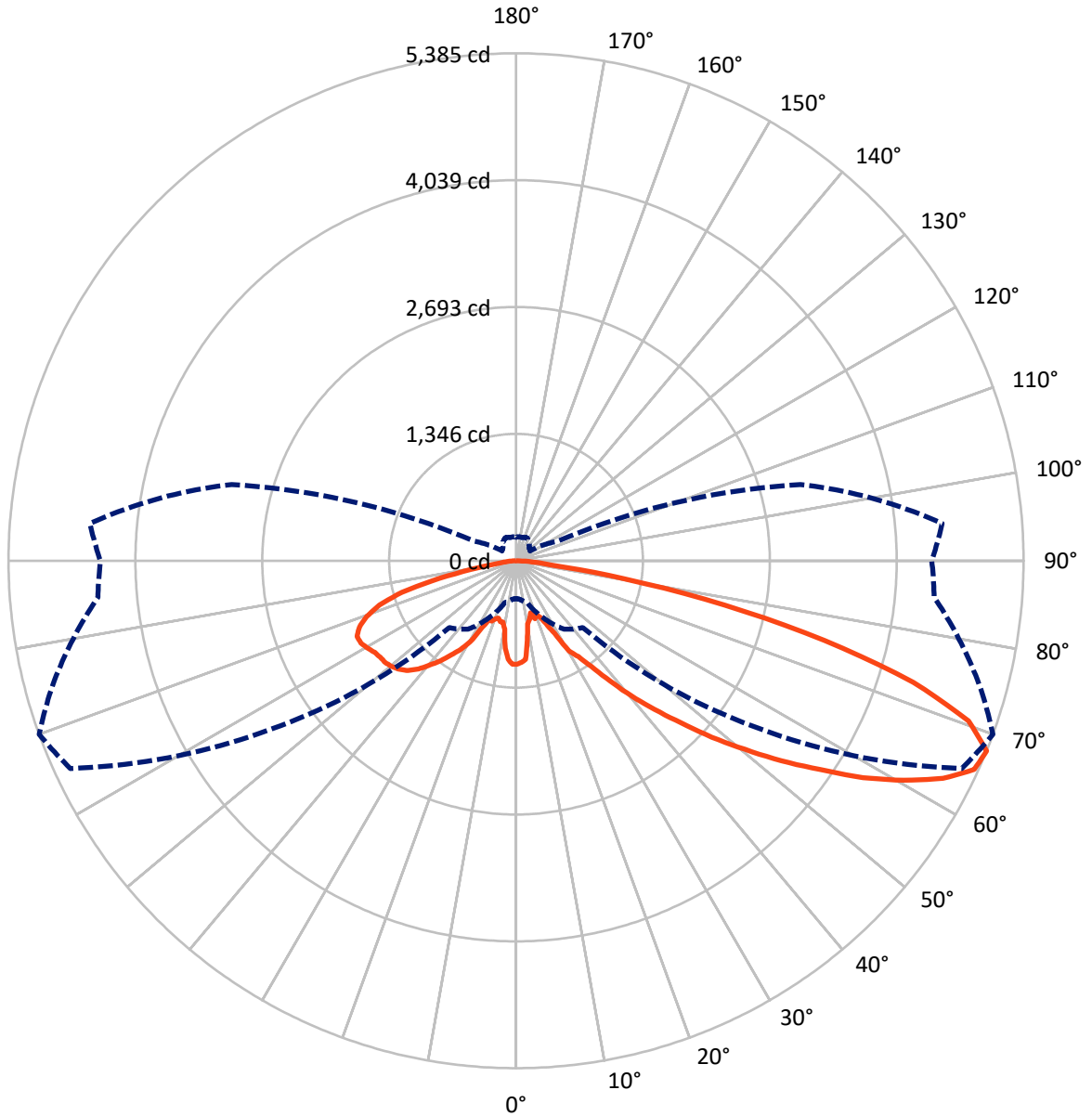
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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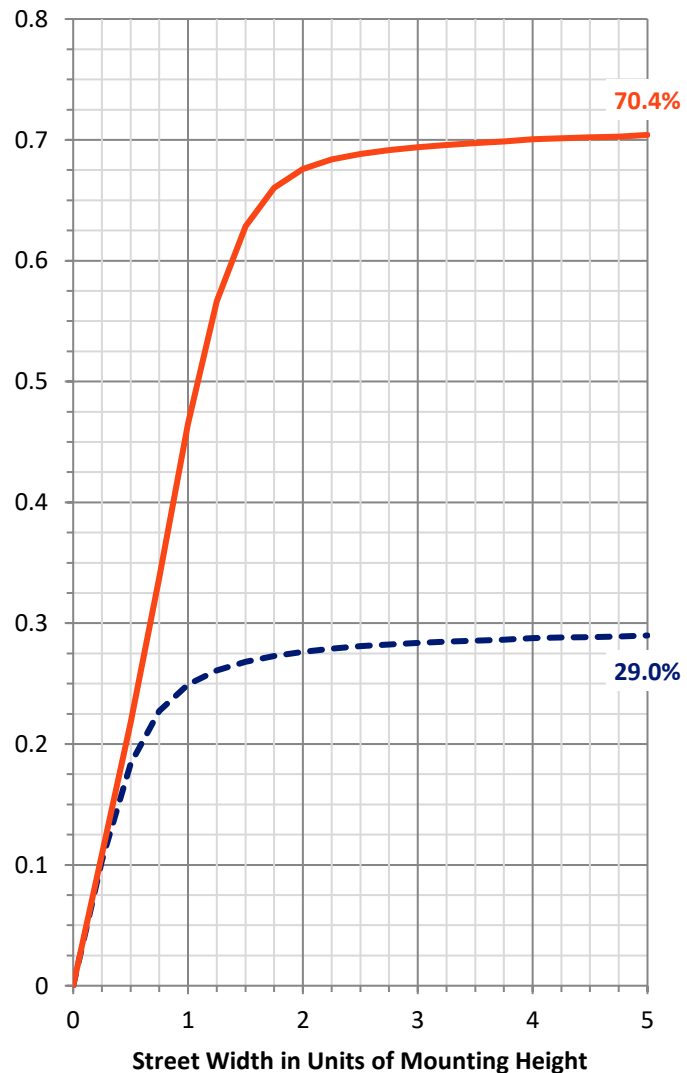
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2315.1	0.0	2315.1
	% Fixture	29.3	0.0	29.3
<b>Street Side</b>	Lumens	5579.4	0.0	5579.4
	% Fixture	70.7	0.0	70.7
<b>Total</b>	Lumens	7894.5	0.0	7894.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	1.1
10°-20°	206.7	2.6
20°-30°	367.2	4.7
30°-40°	776.3	9.8
40°-50°	1421.1	18.0
50°-60°	1938.7	24.6
60°-70°	1827.7	23.2
70°-80°	1106.2	14.0
80°-90°	162.5	2.1
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°	7894.5	100.0
0°-180°	7894.5	100.0



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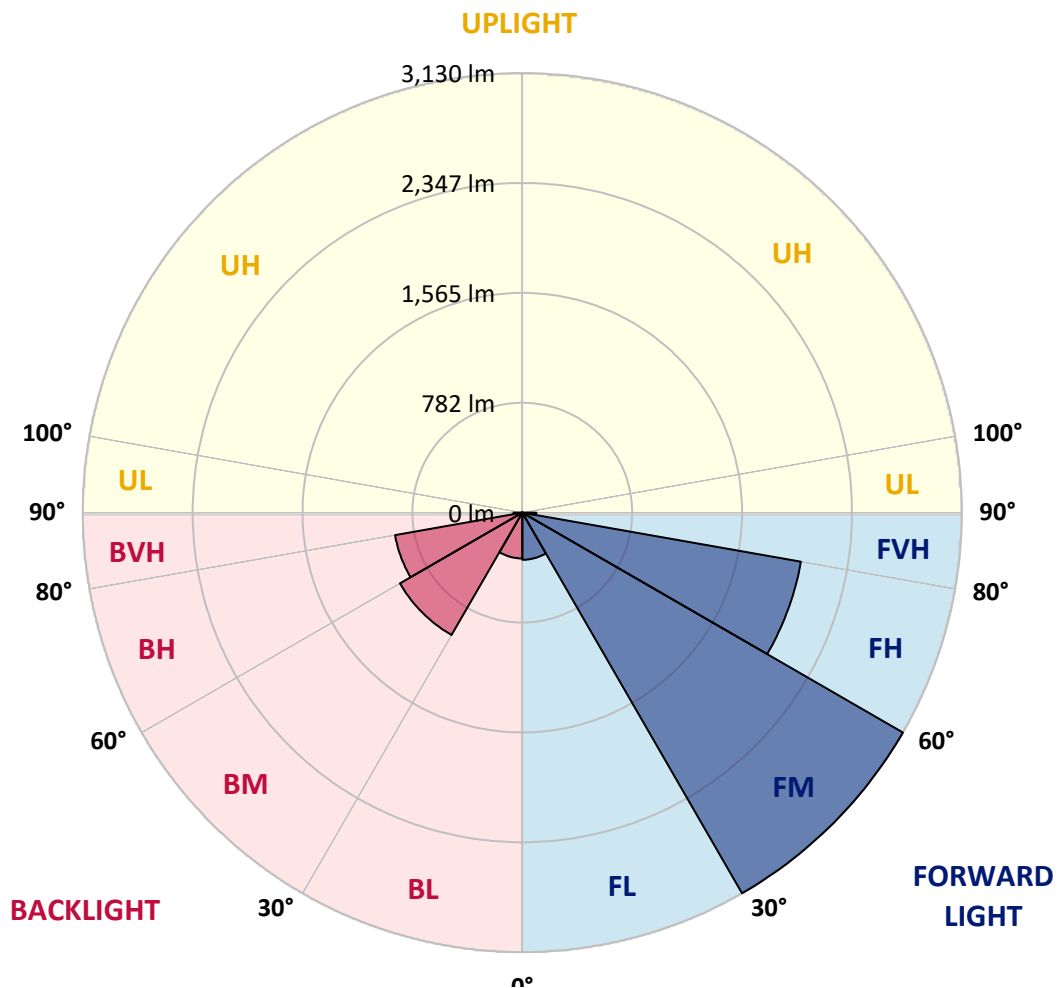
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.9	4.3			
FM (30°-60°)	3129.7	39.6			
FH (60°-80°)	2014.1	25.5			G2/5000
FVH (80°-90°)	99.6	1.3			G1/100
BL (0°-30°)	326.1	4.1	B1/500		
BM (30°-60°)	1006.4	12.7	B2/2500		
BH (60°-80°)	919.8	11.7	B2/1000		G2/1000
BVH (80°-90°)	62.9	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2
2.5°	923.1	931.6	988.4	1045.2	1048.1	1048.1	1050.9	1053.8	1062.3	1068.0	1073.7
5°	860.6	866.3	866.3	866.3	869.1	872.0	874.8	874.8	880.5	883.3	889.0
7.5°	721.4	778.3	798.1	815.2	826.5	835.1	840.7	846.4	852.1	857.8	863.5
10°	820.9	820.9	823.7	823.7	823.7	820.9	764.1	704.4	732.8	761.2	718.6
12.5°	676.0	687.4	738.5	786.8	801.0	812.3	783.9	752.7	701.6	650.4	644.8
15°	803.8	803.8	803.8	801.0	749.9	695.9	641.9	585.1	619.2	653.3	602.2
17.5°	695.9	695.9	738.5	778.3	775.4	769.7	721.4	670.3	590.8	508.4	573.7
20°	877.7	874.8	860.6	843.6	738.5	633.4	656.1	678.8	684.5	687.4	667.5
22.5°	783.9	786.8	803.8	820.9	823.7	826.5	704.4	579.4	650.4	721.4	653.3
25°	1090.7	1085.0	1059.4	1031.0	914.6	795.3	818.0	840.7	724.3	605.0	678.8
27.5°	1036.7	1019.7	1008.3	997.0	1016.8	1036.7	928.8	818.0	843.6	869.1	775.4
30°	1482.7	1482.7	1454.3	1423.0	1246.9	1068.0	1039.6	1011.2	943.0	872.0	889.0
32.5°	1877.5	1877.5	1772.4	1664.4	1559.4	1454.3	1315.1	1175.9	1147.5	1116.3	1087.9
35°	2363.2	2349.0	2289.3	2226.8	1999.6	1772.4	1593.4	1414.5	1357.7	1300.9	1272.5
37.5°	2817.6	2786.4	2704.0	2618.8	2380.2	2138.8	1903.0	1667.3	1604.8	1542.3	1479.8
40°	3192.5	3175.5	3118.7	3059.1	2789.2	2519.4	2252.4	1982.6	1900.2	1817.8	1726.9
42.5°	3536.2	3522.0	3470.9	3416.9	3149.9	2880.1	2627.3	2371.7	2249.6	2127.4	2019.5
45°	3789.0	3766.3	3732.2	3695.3	3482.3	3266.4	3010.8	2752.3	2704.0	2655.7	2445.5
47.5°	3868.6	3828.8	3823.1	3817.4	3647.0	3476.6	3272.1	3067.6	3076.1	3084.6	2840.3
50°	3752.1	3692.5	3718.0	3743.6	3675.4	3604.4	3445.3	3286.3	3357.3	3425.5	3232.3
52.5°	3328.9	3314.7	3380.0	3442.5	3459.5	3476.6	3442.5	3405.6	3536.2	3666.9	3595.9
55°	2746.6	2809.1	2900.0	2990.9	3061.9	3130.1	3229.5	3328.9	3553.3	3777.7	3828.8
57.5°	2164.3	2229.7	2334.8	2439.9	2522.2	2604.6	2809.1	3013.6	3351.6	3689.6	3919.7
60°	1457.1	1525.3	1698.5	1868.9	1985.4	2101.9	2286.5	2471.1	2897.2	3323.2	3789.0
62.5°	971.4	948.7	1093.5	1235.6	1423.0	1610.5	1692.8	1772.4	2218.3	2661.4	3414.1
65°	596.5	599.3	656.1	710.1	917.4	1121.9	1187.3	1249.8	1502.5	1755.3	2780.7
67.5°	400.5	409.0	434.6	460.1	559.5	659.0	772.6	886.2	945.8	1002.6	2028.0
70°	355.0	357.9	369.2	380.6	409.0	437.4	542.5	647.6	613.5	576.6	1150.3
72.5°	312.4	315.3	335.2	352.2	366.4	380.6	443.1	505.6	465.8	426.1	573.7
75°	255.6	264.2	284.0	301.1	329.5	355.0	369.2	383.4	363.6	340.8	369.2
77.5°	210.2	215.9	230.1	244.3	272.7	298.2	312.4	326.6	295.4	264.2	281.2
80°	164.7	167.6	178.9	190.3	213.0	232.9	250.0	264.2	235.7	204.5	213.0
82.5°	99.4	102.3	119.3	133.5	153.4	170.4	181.8	190.3	198.8	204.5	178.9
85°	54.0	54.0	65.3	76.7	79.5	82.4	93.7	102.3	127.8	150.5	130.7
87.5°	8.5	8.5	11.4	11.4	17.0	19.9	22.7	22.7	25.6	25.6	28.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2
2.5°	1076.5	1079.3	1079.3	1079.3	1082.2	1085.0	1087.9	1087.9	1090.7	1093.5	1096.4
5°	894.7	968.6	1039.6	1050.9	1059.4	1065.1	1070.8	1073.7	1079.3	1085.0	1087.9
7.5°	869.1	869.1	869.1	849.3	923.1	931.6	940.2	945.8	951.5	945.8	937.3
10°	673.2	673.2	670.3	676.0	707.2	761.2	812.3	818.0	823.7	778.3	730.0
12.5°	636.2	644.8	653.3	639.1	582.3	630.6	678.8	687.4	690.2	650.4	607.8
15°	548.2	551.0	553.9	573.7	690.2	738.5	786.8	795.3	803.8	761.2	715.8
17.5°	636.2	616.4	593.6	647.6	602.2	633.4	661.8	593.6	656.1	644.8	633.4
20°	647.6	579.4	508.4	605.0	707.2	755.5	801.0	806.7	809.5	775.4	738.5
22.5°	585.1	650.4	715.8	650.4	610.7	605.0	599.3	596.5	599.3	619.2	636.2
25°	752.7	670.3	588.0	738.5	832.2	854.9	877.7	866.3	860.6	818.0	775.4
27.5°	681.7	747.0	809.5	872.0	900.4	931.6	960.0	968.6	923.1	877.7	832.2
30°	903.2	943.0	979.9	1107.7	1201.5	1229.9	1258.3	1229.9	1212.8	1156.0	1096.4
32.5°	1056.6	1136.1	1215.7	1212.8	1300.9	1323.6	1343.5	1306.6	1275.3	1212.8	1147.5
35°	1244.1	1295.2	1346.3	1374.7	1462.8	1471.3	1479.8	1431.5	1386.1	1312.2	1238.4
37.5°	1417.3	1482.7	1545.1	1616.2	1692.8	1675.8	1655.9	1596.3	1522.4	1465.6	1408.8
40°	1633.2	1712.7	1792.3	1883.1	1928.6	1903.0	1874.6	1783.7	1712.7	1653.1	1593.4
42.5°	1908.7	1993.9	2076.3	2155.8	2172.9	2144.5	2113.2	2013.8	1905.9	1846.2	1783.7
45°	2232.5	2300.7	2368.8	2451.2	2485.3	2434.2	2380.2	2255.2	2127.4	2042.2	1957.0
47.5°	2593.2	2624.5	2655.7	2797.7	2843.2	2758.0	2669.9	2533.6	2354.6	2243.9	2130.3
50°	3039.2	3030.6	3019.3	3144.3	3249.4	3107.3	2962.5	2803.4	2627.3	2471.1	2312.0
52.5°	3524.9	3442.5	3357.3	3524.9	3576.0	3405.6	3235.2	3064.7	2888.6	2687.0	2482.5
55°	3879.9	3834.5	3789.0	3908.3	3902.6	3703.8	3502.1	3300.5	3155.6	2885.8	2616.0
57.5°	4146.9	4186.7	4223.6	4342.9	4206.6	3979.3	3752.1	3550.4	3425.5	3087.5	2749.5
60°	4252.0	4456.5	4658.2	4729.2	4521.8	4266.2	4007.7	3808.9	3703.8	3294.8	2885.8
62.5°	4166.8	4618.4	5070.0	5084.2	4811.5	4524.7	4237.8	4075.9	4021.9	3519.2	3013.6
65°	3806.1	4550.2	5291.6	5342.7	5035.9	4734.9	4430.9	4311.6	4345.7	3729.4	3110.2
67.5°	3050.5	4135.5	5217.7	5385.3	5089.9	4771.8	4453.7	4411.1	4538.9	3831.6	3124.4
70°	1724.1	3178.3	4629.8	5095.6	4939.4	4624.1	4306.0	4325.8	4516.2	3774.8	3033.5
72.5°	718.6	2198.4	3678.2	4408.2	4544.6	4277.6	4007.7	4081.6	4212.2	3507.8	2800.6
75°	397.6	1403.1	2408.6	3380.0	3800.4	3729.4	3655.5	3737.9	3675.4	2993.7	2312.0
77.5°	295.4	758.4	1221.3	2263.8	2860.2	3022.1	3181.2	3221.0	2871.6	2187.1	1502.5
80°	221.5	360.7	497.1	1156.0	1533.8	1823.5	2113.2	1934.3	1690.0	1181.6	673.2
82.5°	153.4	207.3	261.3	372.1	596.5	687.4	775.4	738.5	553.9	389.1	221.5
85°	107.9	136.3	164.7	204.5	255.6	204.5	153.4	125.0	144.9	133.5	122.1
87.5°	28.4	28.4	25.6	28.4	19.9	17.0	14.2	11.4	11.4	11.4	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°	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2	1099.2
2.5°	1099.2	1102.1	1102.1	1102.1	1102.1	1099.2	1085.0	1070.8	1036.7	1002.6	991.3
5°	1050.9	1014.0	985.6	957.2	957.2	957.2	962.9	968.6	971.4	974.2	977.1
7.5°	937.3	934.5	945.8	957.2	965.7	974.2	979.9	985.6	974.2	962.9	937.3
10°	732.8	732.8	747.0	758.4	778.3	798.1	854.9	911.8	960.0	1008.3	1016.8
12.5°	664.6	718.6	687.4	653.3	724.3	795.3	857.8	917.4	965.7	1011.2	974.2
15°	667.5	616.4	627.7	639.1	715.8	792.5	735.6	676.0	789.6	900.4	926.0
17.5°	636.2	639.1	690.2	741.3	664.6	585.1	684.5	783.9	826.5	866.3	829.4
20°	653.3	565.2	624.9	684.5	738.5	789.6	738.5	684.5	698.7	712.9	809.5
22.5°	690.2	744.2	693.0	641.9	704.4	764.1	738.5	712.9	758.4	801.0	761.2
25°	687.4	596.5	681.7	766.9	710.1	650.4	681.7	712.9	690.2	664.6	738.5
27.5°	792.5	752.7	730.0	704.4	735.6	766.9	701.6	636.2	636.2	636.2	627.7
30°	991.3	886.2	840.7	792.5	715.8	639.1	616.4	593.6	596.5	599.3	641.9
32.5°	1107.7	1068.0	931.6	795.3	724.3	653.3	593.6	534.0	539.7	545.3	599.3
35°	1210.0	1178.7	997.0	812.3	695.9	576.6	525.5	471.5	497.1	519.8	565.2
37.5°	1326.4	1241.2	994.1	744.2	619.2	494.2	463.0	431.7	448.8	463.0	491.4
40°	1431.5	1266.8	968.6	667.5	542.5	414.7	400.5	383.4	397.6	411.9	428.9
42.5°	1545.1	1303.7	931.6	556.7	457.3	357.9	352.2	346.5	360.7	374.9	386.3
45°	1633.2	1309.4	883.3	454.5	389.1	323.8	323.8	321.0	335.2	346.5	352.2
47.5°	1690.0	1246.9	806.7	363.6	335.2	306.8	309.6	309.6	321.0	329.5	332.3
50°	1729.8	1144.7	732.8	321.0	306.8	292.6	292.6	292.6	303.9	312.4	318.1
52.5°	1758.2	1031.0	664.6	295.4	289.7	281.2	281.2	278.4	292.6	306.8	309.6
55°	1766.7	914.6	596.5	275.5	269.8	264.2	269.8	272.7	289.7	303.9	306.8
57.5°	1786.6	823.7	539.7	255.6	252.8	250.0	258.5	267.0	284.0	301.1	301.1
60°	1826.3	764.1	499.9	235.7	235.7	235.7	250.0	261.3	278.4	295.4	292.6
62.5°	1863.3	710.1	463.0	215.9	218.7	221.5	238.6	255.6	272.7	289.7	286.9
65°	1868.9	624.9	411.9	198.8	204.5	207.3	227.2	247.1	264.2	281.2	275.5
67.5°	1806.5	488.5	335.2	181.8	190.3	196.0	218.7	238.6	255.6	269.8	264.2
70°	1692.8	349.4	258.5	167.6	176.1	181.8	204.5	224.4	238.6	252.8	247.1
72.5°	1525.3	250.0	201.7	153.4	159.1	164.7	184.6	204.5	221.5	235.7	230.1
75°	1258.3	201.7	170.4	139.2	144.9	147.7	167.6	184.6	201.7	215.9	207.3
77.5°	835.1	164.7	144.9	125.0	127.8	130.7	147.7	161.9	176.1	187.5	181.8
80°	403.3	133.5	122.1	107.9	110.8	110.8	125.0	139.2	150.5	159.1	156.2
82.5°	164.7	105.1	96.6	88.1	88.1	88.1	102.3	113.6	125.0	133.5	127.8
85°	102.3	82.4	76.7	68.2	65.3	62.5	68.2	73.8	79.5	82.4	79.5
87.5°	14.2	14.2	17.0	19.9	17.0	11.4	17.0	22.7	22.7	19.9	17.0
90°	0.0	0.0	8.5	8.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561047  
 CATALOG NUMBER: SDL-PA1-80-727-U-T2U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1099.2	1099.2	1099.2	1099.2
2.5°	979.9	979.9	979.9	985.6
5°	977.1	977.1	977.1	982.8
7.5°	911.8	883.3	854.9	857.8
10°	1022.5	1025.4	1025.4	1028.2
12.5°	934.5	889.0	843.6	849.3
15°	951.5	951.5	948.7	951.5
17.5°	792.5	778.3	764.1	764.1
20°	906.1	906.1	906.1	906.1
22.5°	721.4	718.6	715.8	718.6
25°	812.3	815.2	815.2	812.3
27.5°	619.2	656.1	690.2	693.0
30°	681.7	681.7	681.7	681.7
32.5°	653.3	681.7	710.1	712.9
35°	607.8	605.0	602.2	610.7
37.5°	516.9	511.3	505.6	505.6
40°	445.9	434.6	423.2	423.2
42.5°	394.8	386.3	374.9	372.1
45°	357.9	349.4	338.0	338.0
47.5°	332.3	326.6	321.0	318.1
50°	321.0	315.3	309.6	309.6
52.5°	312.4	309.6	303.9	303.9
55°	306.8	303.9	298.2	298.2
57.5°	301.1	298.2	292.6	292.6
60°	289.7	286.9	284.0	284.0
62.5°	281.2	278.4	275.5	275.5
65°	269.8	269.8	267.0	264.2
67.5°	255.6	255.6	255.6	250.0
70°	238.6	238.6	238.6	232.9
72.5°	221.5	221.5	218.7	210.2
75°	198.8	196.0	193.1	187.5
77.5°	176.1	170.4	164.7	161.9
80°	150.5	144.9	139.2	133.5
82.5°	119.3	116.5	110.8	96.6
85°	73.8	65.3	54.0	48.3
87.5°	14.2	11.4	8.5	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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(END OF REPORT)