

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: P561034

Luminaire Tested: **SDL-PA1-80-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
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-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7523.6 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

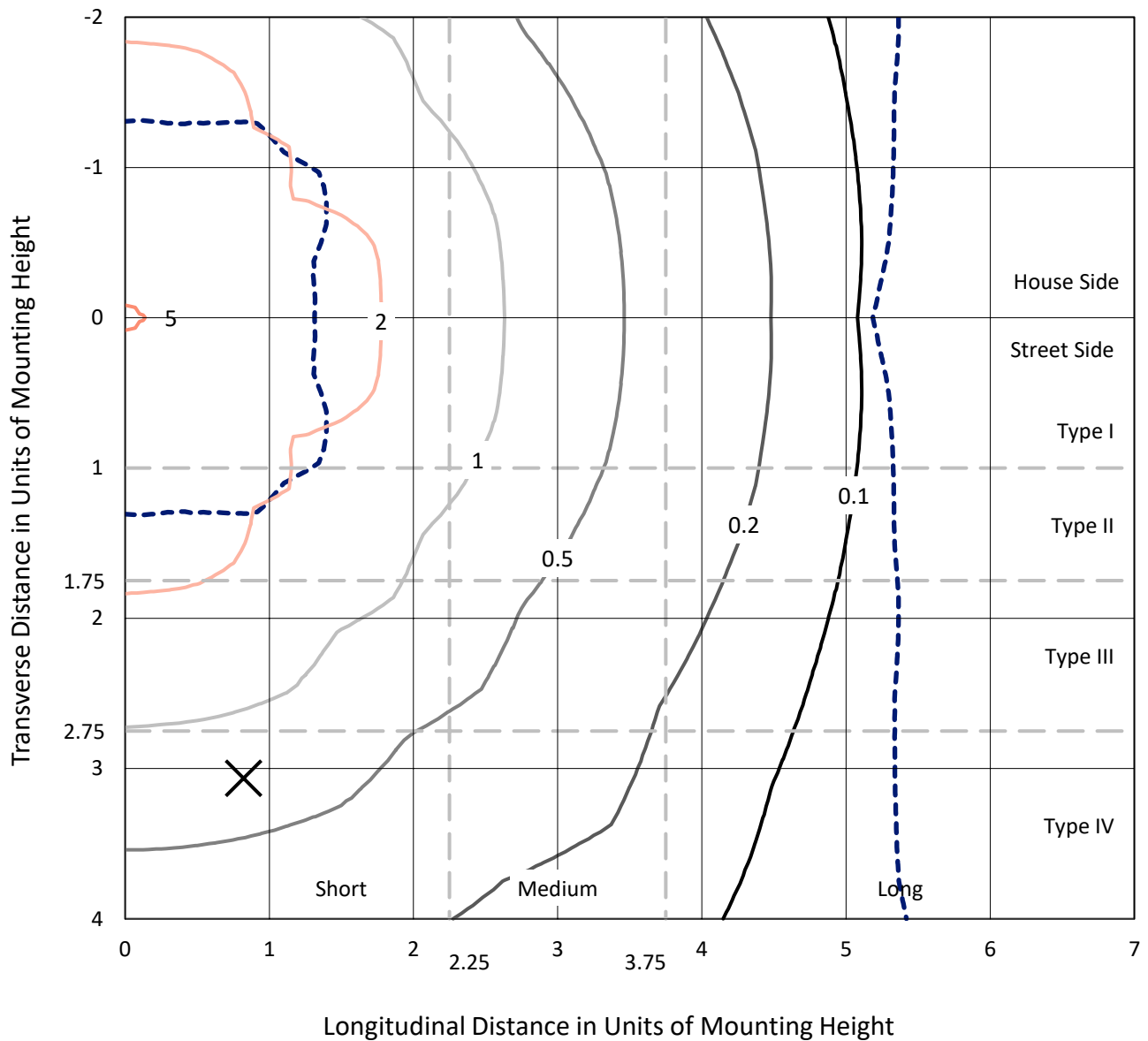
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561034
 CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

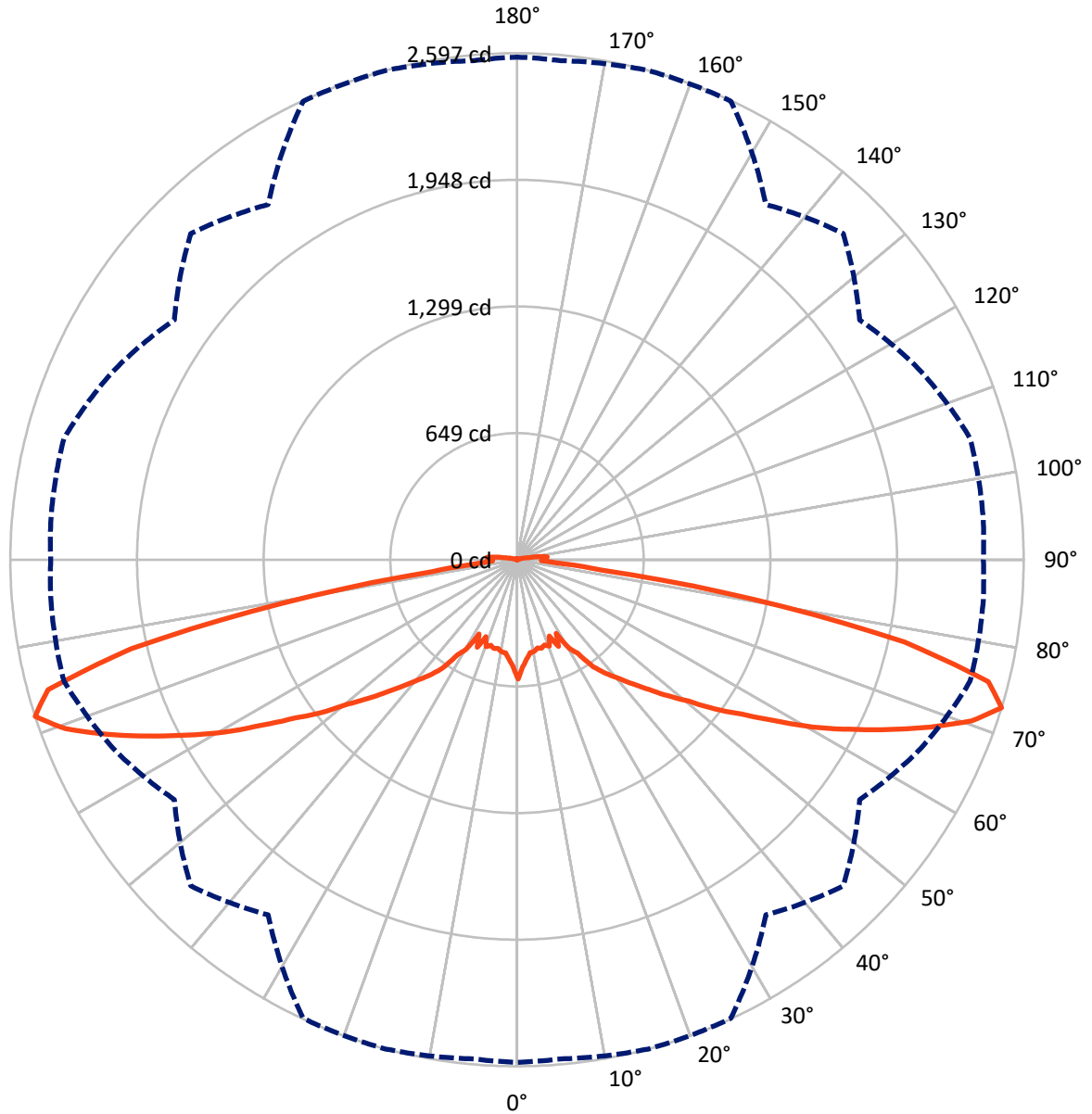
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P561034
CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P561034

CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

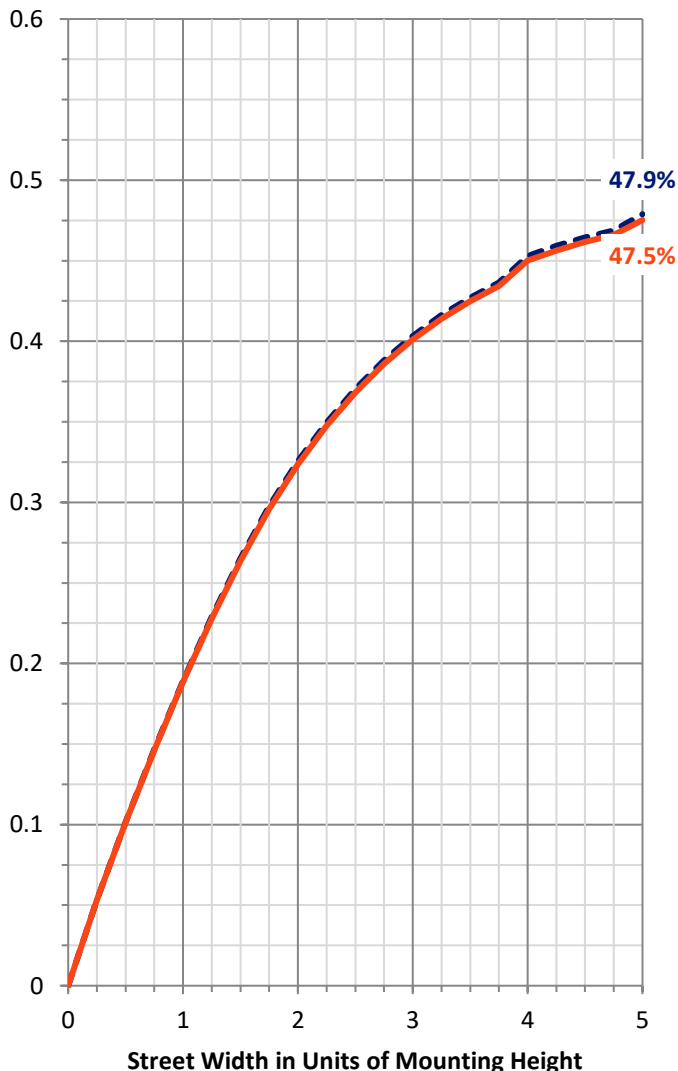
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3647.6	114.2	3761.8
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3647.6	114.2	3761.8
	% Fixture	48.5	1.5	50.0
Total	Lumens	7295.2	228.4	7523.6
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	0.6
10°-20°	111.0	1.5
20°-30°	194.9	2.6
30°-40°	376.3	5.0
40°-50°	653.9	8.7
50°-60°	1152.4	15.3
60°-70°	1946.8	25.9
70°-80°	2288.6	30.4
80°-90°	523.1	7.0
90°-100°	172.6	2.3
100°-110°	40.7	0.5
110°-120°	6.6	0.1
120°-130°	5.2	0.1
130°-140°	2.1	0.0
140°-150°	0.4	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7295.2	97.0
0°-180°	7523.6	100.0

Coefficient of Utilization



REPORT NUMBER: P561034

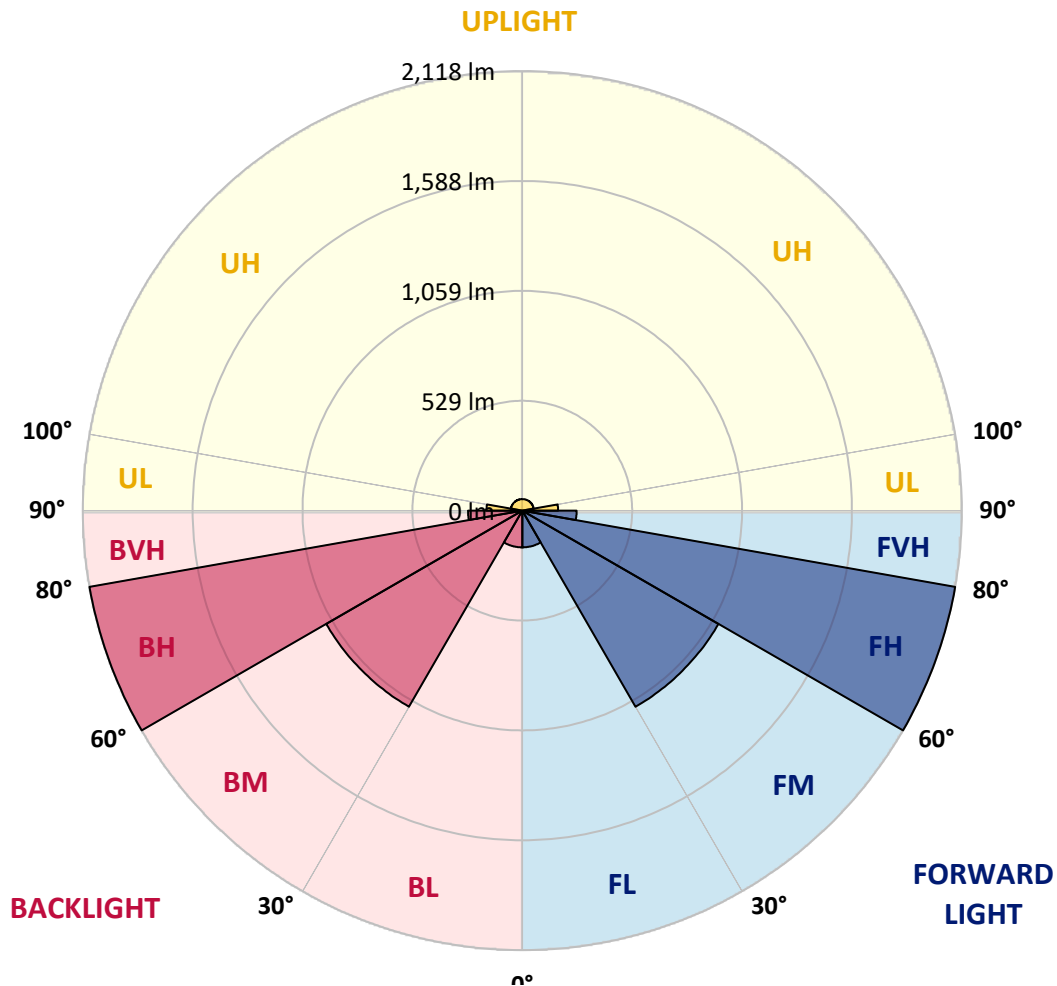
CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.1	2.4			
FM (30°-60°)	1091.3	14.5			
FH (60°-80°)	2117.7	28.1			G2/5000
FVH (80°-90°)	261.5	3.5			G3/500
BL (0°-30°)	177.1	2.4	B1/500		
BM (30°-60°)	1091.3	14.5	B2/2500		
BH (60°-80°)	2117.7	28.1	B3/2500		G2/5000
BVH (80°-90°)	261.5	3.5			G3/500
UL (90°-100°)	172.6	2.3		U3/500	
UH (100°-180°)	55.8	0.7		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P561034

CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7	611.7
2.5°	540.9	552.2	549.4	569.2	586.2	591.9	603.2	603.2	606.1	606.1	606.1
5°	512.6	512.6	512.6	512.6	512.6	509.8	521.1	572.1	589.1	591.9	589.1
7.5°	444.6	458.8	481.4	489.9	498.4	495.6	489.9	458.8	506.9	512.6	515.4
10°	478.6	478.6	478.6	472.9	450.3	430.5	407.8	385.2	393.7	444.6	444.6
12.5°	424.8	422.0	464.5	470.1	427.6	373.8	356.8	365.3	339.8	388.0	388.0
15°	478.6	478.6	470.1	441.8	354.0	373.8	317.2	320.0	362.5	419.1	419.1
17.5°	407.8	410.6	458.8	430.5	385.2	300.2	351.2	317.2	325.7	356.8	359.7
20°	487.1	487.1	472.9	368.2	362.5	373.8	322.9	314.4	362.5	419.1	422.0
22.5°	419.1	419.1	424.8	427.6	373.8	368.2	322.9	365.3	342.7	342.7	382.3
25°	506.9	506.9	492.8	390.8	410.6	356.8	373.8	342.7	419.1	461.6	461.6
27.5°	444.6	444.6	427.6	444.6	396.5	424.8	373.8	405.0	450.3	543.8	549.4
30°	540.9	540.9	526.8	441.8	439.0	413.5	416.3	470.1	580.6	640.0	640.0
32.5°	657.0	659.9	572.1	506.9	444.6	475.8	453.1	535.3	606.1	668.4	671.2
35°	705.2	705.2	674.0	589.1	484.3	501.3	492.8	566.4	651.4	702.3	702.3
37.5°	761.8	761.8	739.2	631.5	532.4	555.1	515.4	608.9	702.3	747.7	742.0
40°	821.3	812.8	798.6	676.9	583.4	589.1	555.1	654.2	750.5	795.8	795.8
42.5°	894.9	894.9	869.4	753.3	634.4	642.9	591.9	710.8	821.3	875.1	877.9
45°	977.1	974.2	948.7	838.3	696.7	710.8	654.2	787.3	909.1	960.1	965.7
47.5°	1073.3	1073.3	1042.2	928.9	776.0	790.1	725.0	863.8	1016.7	1062.0	1067.7
50°	1175.3	1166.8	1138.5	1033.7	880.8	875.1	804.3	948.7	1130.0	1161.1	1172.5
52.5°	1294.2	1282.9	1271.6	1152.6	996.9	999.7	906.3	1039.4	1260.3	1277.2	1282.9
55°	1413.2	1404.7	1396.2	1299.9	1124.3	1141.3	1042.2	1164.0	1390.5	1401.9	1413.2
57.5°	1546.3	1554.8	1554.8	1464.2	1268.8	1311.2	1189.5	1319.7	1546.3	1537.8	1535.0
60°	1738.9	1721.9	1741.7	1659.6	1467.0	1501.0	1370.7	1509.5	1696.4	1662.4	1653.9
62.5°	1894.6	1891.8	1914.5	1877.6	1651.1	1736.0	1549.1	1690.7	1838.0	1809.7	1812.5
65°	2073.0	2070.2	2098.5	2081.5	1843.7	1951.3	1744.5	1894.6	2007.9	1976.8	1971.1
67.5°	2245.8	2254.3	2288.3	2310.9	1999.4	2138.2	1931.4	2087.2	2175.0	2124.0	2129.7
70°	2458.2	2444.0	2472.4	2475.2	2126.9	2274.1	2075.9	2209.0	2316.6	2282.6	2277.0
72.5°	2577.1	2568.7	2597.0	2594.1	2223.1	2364.7	2143.8	2285.4	2404.4	2398.7	2390.2
75°	2446.9	2458.2	2495.0	2546.0	2228.8	2415.7	2135.4	2234.5	2327.9	2296.8	2288.3
77.5°	1920.1	1942.8	2030.6	2194.8	2078.7	2395.9	1985.3	1959.8	1979.6	1942.8	1920.1
80°	1019.5	1039.4	1226.3	1506.6	1668.1	2081.5	1668.1	1424.5	1214.9	1064.8	937.4
82.5°	325.7	351.2	439.0	693.8	1053.5	1450.0	965.7	546.6	376.7	322.9	303.0
85°	178.4	184.1	198.2	269.0	371.0	586.2	393.7	232.2	203.9	195.4	192.6
87.5°	150.1	152.9	124.6	152.9	178.4	184.1	178.4	127.4	130.3	144.4	141.6
90°	158.6	158.6	127.4	150.1	178.4	181.3	178.4	133.1	130.3	152.9	150.1
92.5°	172.8	172.8	144.4	161.4	198.2	192.6	192.6	138.8	144.4	164.3	164.3
95°	184.1	181.3	155.8	164.3	209.6	215.2	209.6	147.3	155.8	178.4	178.4
97.5°	135.9	130.3	113.3	147.3	198.2	226.6	209.6	138.8	121.8	135.9	133.1
100°	65.1	62.3	59.5	110.4	155.8	172.8	150.1	99.1	53.8	34.0	34.0
102.5°	14.2	14.2	39.6	76.5	90.6	90.6	82.1	68.0	34.0	11.3	11.3
105°	11.3	14.2	28.3	42.5	45.3	25.5	39.6	42.5	19.8	11.3	11.3
107.5°	11.3	14.2	11.3	14.2	14.2	11.3	14.2	17.0	8.5	11.3	11.3



REPORT NUMBER: P561034
 CATALOG NUMBER: SDL-PA1-80-727-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.2	14.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	11.3	14.2
115°	11.3	11.3	5.7	5.7	5.7	5.7	2.8	5.7	5.7	11.3	11.3
117.5°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	5.7	5.7	11.3	14.2
120°	14.2	11.3	5.7	2.8	2.8	2.8	2.8	2.8	8.5	14.2	14.2
122.5°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	2.8	8.5	14.2	17.0
125°	14.2	11.3	5.7	2.8	2.8	2.8	2.8	2.8	5.7	14.2	14.2
127.5°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	2.8	5.7	11.3	14.2
130°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	2.8	5.7	11.3	11.3
132.5°	8.5	8.5	5.7	2.8	2.8	0.0	2.8	2.8	5.7	8.5	8.5
135°	5.7	5.7	2.8	0.0	2.8	0.0	2.8	0.0	2.8	5.7	8.5
137.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.8	0.0	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8
150°	2.8	2.8	5.7	2.8	2.8	0.0	2.8	2.8	0.0	0.0	2.8
152.5°	5.7	5.7	5.7	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.7	5.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



110°	14.2	14.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	11.3	14.2
------	------	------	-----	-----	-----	-----	-----	-----	-----	------	------

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)