

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: P560528

Luminaire Tested: **SDL-PA1-50-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560528
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-PA1-50-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA 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: 5649.5 lumens
Efficiency: N/A
Efficacy: 107.8 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 - G2

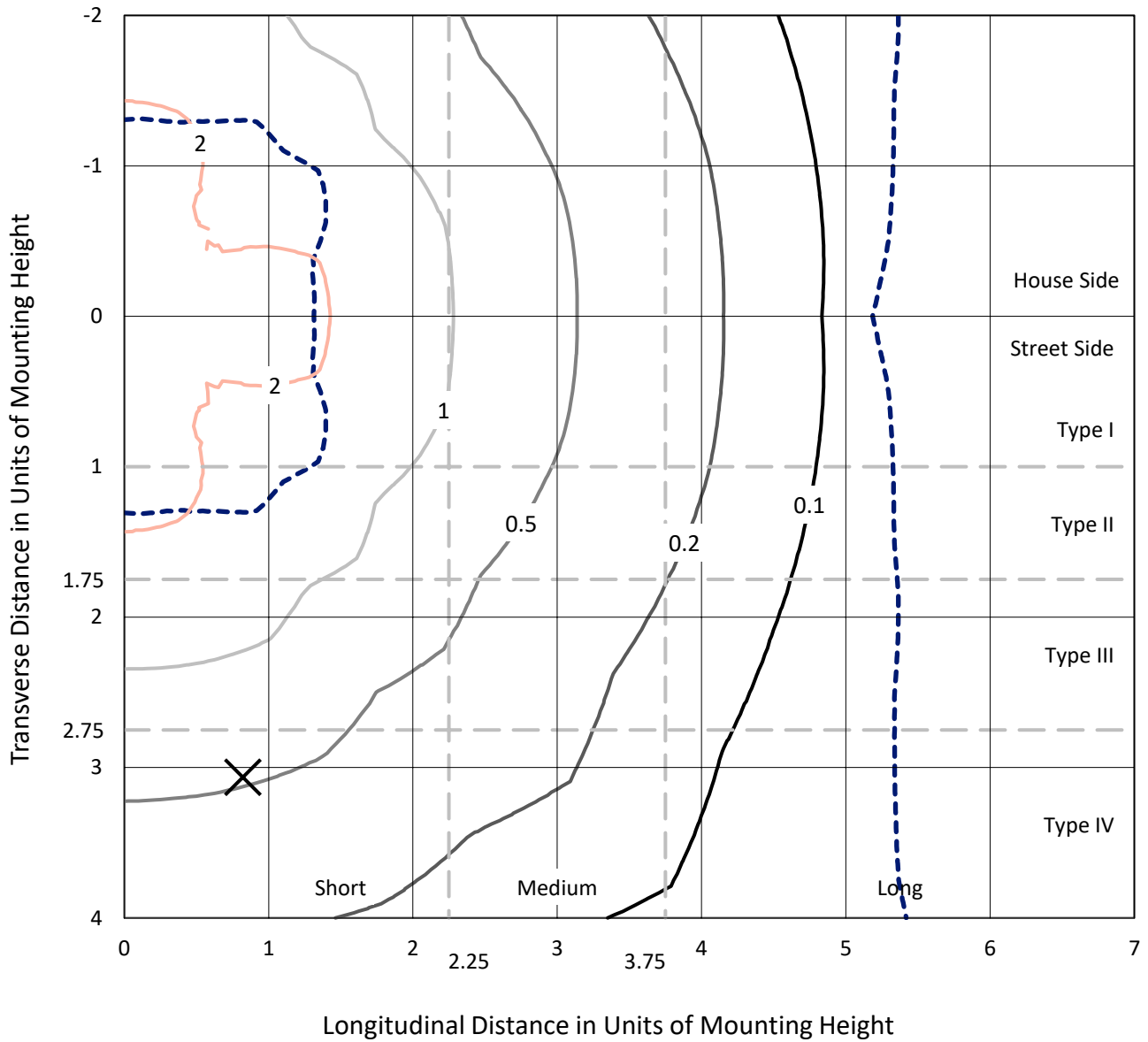
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

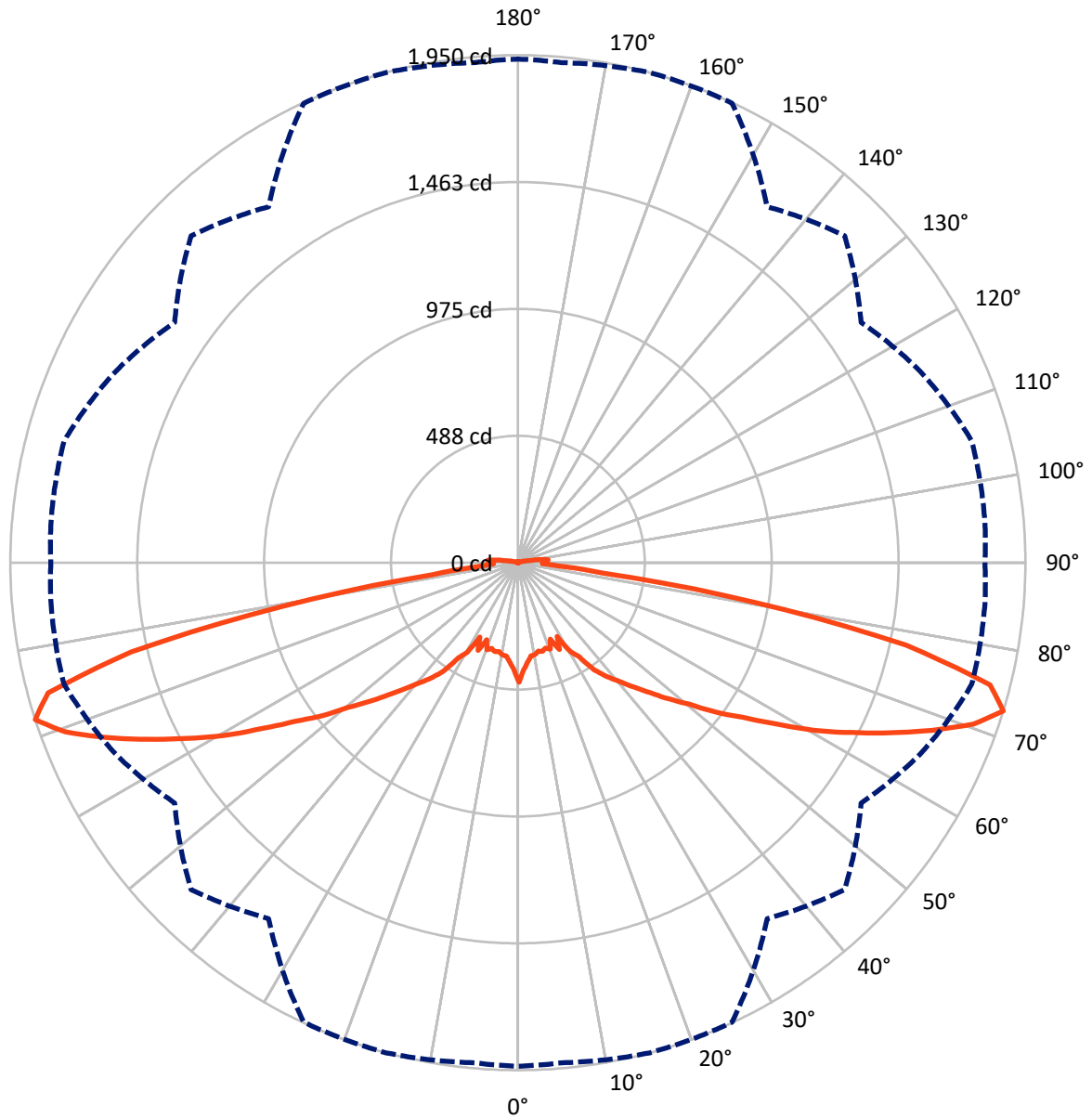
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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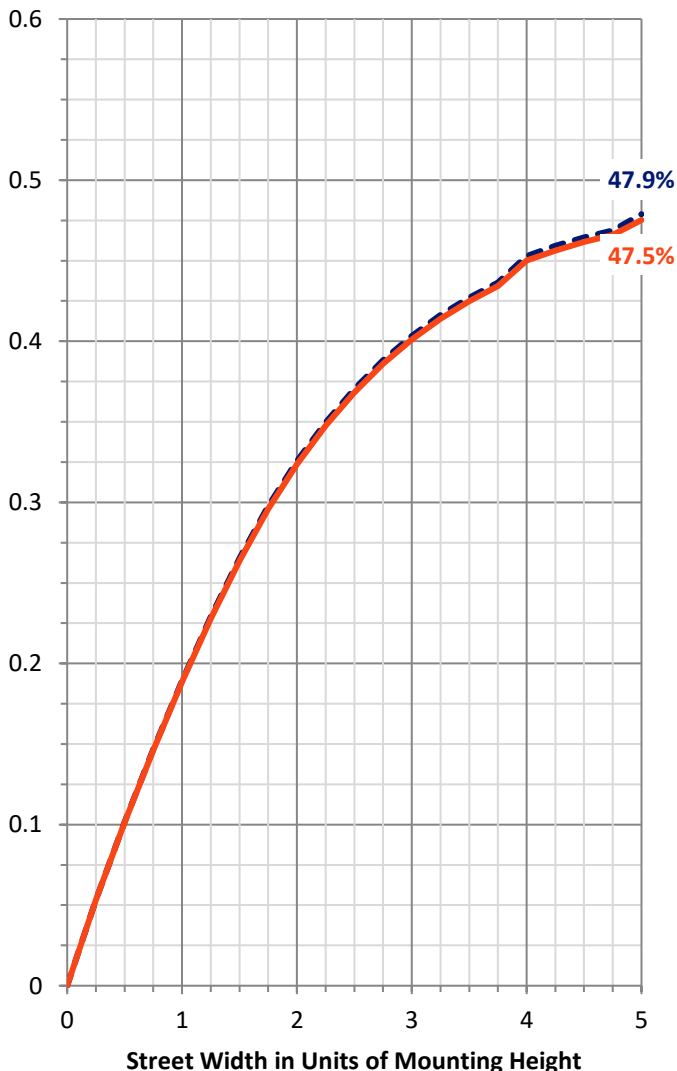
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2739.0	85.8	2824.8
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2739.0	85.8	2824.8
	% Fixture	48.5	1.5	50.0
Total	Lumens	5478.0	171.5	5649.5
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	0.6
10°-20°	83.3	1.5
20°-30°	146.3	2.6
30°-40°	282.5	5.0
40°-50°	491.0	8.7
50°-60°	865.3	15.3
60°-70°	1461.9	25.9
70°-80°	1718.5	30.4
80°-90°	392.8	7.0
90°-100°	129.6	2.3
100°-110°	30.6	0.5
110°-120°	4.9	0.1
120°-130°	3.9	0.1
130°-140°	1.6	0.0
140°-150°	0.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5478.0	97.0
0°-180°	5649.5	100.0



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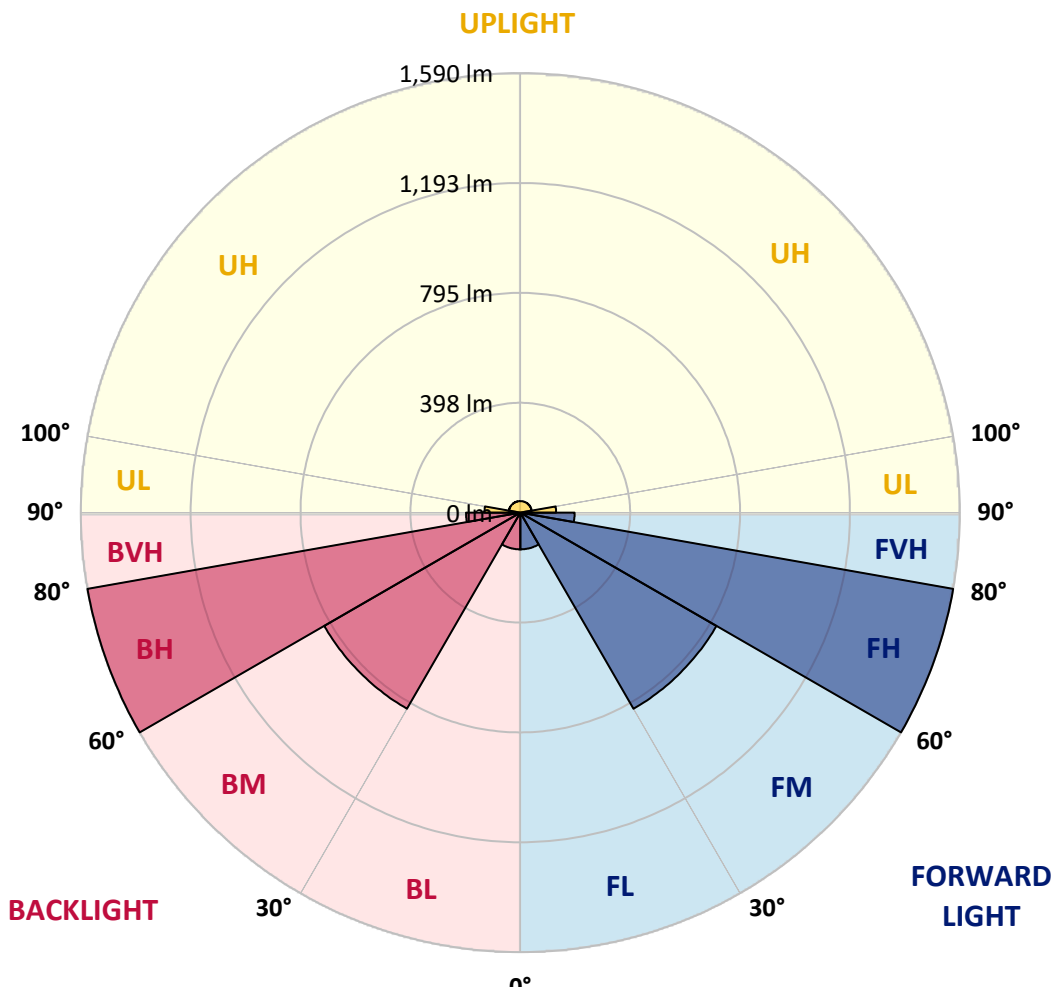
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.0	2.4			
FM (30°-60°)	819.4	14.5			
FH (60°-80°)	1590.2	28.1			G1/1800
FVH (80°-90°)	196.4	3.5			G2/225
BL (0°-30°)	133.0	2.4	B1/500		
BM (30°-60°)	819.4	14.5	B1/1000		
BH (60°-80°)	1590.2	28.1	B3/2500		G1/1800
BVH (80°-90°)	196.4	3.5			G2/225
UL (90°-100°)	129.6	2.3		U3/500	
UH (100°-180°)	41.9	0.7		U2/50	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3
2.5°	406.2	414.7	412.6	427.4	440.2	444.5	453.0	453.0	455.1	455.1	455.1
5°	384.9	384.9	384.9	384.9	384.9	382.8	391.3	429.6	442.3	444.5	442.3
7.5°	333.9	344.5	361.5	367.9	374.3	372.2	367.9	344.5	380.7	384.9	387.0
10°	359.4	359.4	359.4	355.1	338.1	323.2	306.2	289.2	295.6	333.9	333.9
12.5°	319.0	316.9	348.8	353.0	321.1	280.7	268.0	274.3	255.2	291.3	291.3
15°	359.4	359.4	353.0	331.7	265.8	280.7	238.2	240.3	272.2	314.7	314.7
17.5°	306.2	308.4	344.5	323.2	289.2	225.4	263.7	238.2	244.6	268.0	270.1
20°	365.8	365.8	355.1	276.5	272.2	280.7	242.4	236.1	272.2	314.7	316.9
22.5°	314.7	314.7	319.0	321.1	280.7	276.5	242.4	274.3	257.3	257.3	287.1
25°	380.7	380.7	370.0	293.5	308.4	268.0	280.7	257.3	314.7	346.6	346.6
27.5°	333.9	333.9	321.1	333.9	297.7	319.0	280.7	304.1	338.1	408.3	412.6
30°	406.2	406.2	395.5	331.7	329.6	310.5	312.6	353.0	436.0	480.6	480.6
32.5°	493.4	495.5	429.6	380.7	333.9	357.3	340.3	401.9	455.1	501.9	504.0
35°	529.5	529.5	506.1	442.3	363.6	376.4	370.0	425.3	489.1	527.4	527.4
37.5°	572.1	572.1	555.0	474.2	399.8	416.8	387.0	457.2	527.4	561.4	557.2
40°	616.7	610.3	599.7	508.3	438.1	442.3	416.8	491.2	563.5	597.6	597.6
42.5°	672.0	672.0	652.9	565.7	476.4	482.7	444.5	533.8	616.7	657.1	659.2
45°	733.7	731.5	712.4	629.5	523.1	533.8	491.2	591.2	682.6	720.9	725.2
47.5°	806.0	806.0	782.6	697.5	582.7	593.3	544.4	648.6	763.4	797.5	801.7
50°	882.5	876.2	854.9	776.2	661.4	657.1	604.0	712.4	848.5	871.9	880.4
52.5°	971.9	963.3	954.8	865.5	748.6	750.7	680.5	780.5	946.3	959.1	963.3
55°	1061.2	1054.8	1048.4	976.1	844.3	857.0	782.6	874.0	1044.2	1052.7	1061.2
57.5°	1161.1	1167.5	1167.5	1099.4	952.7	984.6	893.2	991.0	1161.1	1154.7	1152.6
60°	1305.7	1293.0	1307.9	1246.2	1101.6	1127.1	1029.3	1133.5	1273.8	1248.3	1241.9
62.5°	1422.7	1420.6	1437.6	1409.9	1239.8	1303.6	1163.2	1269.6	1380.2	1358.9	1361.0
65°	1556.7	1554.5	1575.8	1563.0	1384.4	1465.2	1310.0	1422.7	1507.8	1484.4	1480.1
67.5°	1686.4	1692.8	1718.3	1735.3	1501.4	1605.6	1450.3	1567.3	1633.2	1594.9	1599.2
70°	1845.9	1835.3	1856.5	1858.6	1597.1	1707.7	1558.8	1658.7	1739.6	1714.0	1709.8
72.5°	1935.2	1928.8	1950.1	1948.0	1669.4	1775.7	1609.8	1716.2	1805.5	1801.2	1794.8
75°	1837.4	1845.9	1873.5	1911.8	1673.6	1814.0	1603.5	1677.9	1748.1	1724.7	1718.3
77.5°	1441.8	1458.8	1524.8	1648.1	1560.9	1799.1	1490.7	1471.6	1486.5	1458.8	1441.8
80°	765.6	780.5	920.8	1131.3	1252.6	1563.0	1252.6	1069.7	912.3	799.6	703.9
82.5°	244.6	263.7	329.6	521.0	791.1	1088.8	725.2	410.4	282.8	242.4	227.5
85°	134.0	138.2	148.9	202.0	278.6	440.2	295.6	174.4	153.1	146.7	144.6
87.5°	112.7	114.8	93.6	114.8	134.0	138.2	134.0	95.7	97.8	108.5	106.3
90°	119.1	119.1	95.7	112.7	134.0	136.1	134.0	99.9	97.8	114.8	112.7
92.5°	129.7	129.7	108.5	121.2	148.9	144.6	144.6	104.2	108.5	123.3	123.3
95°	138.2	136.1	117.0	123.3	157.4	161.6	157.4	110.6	117.0	134.0	134.0
97.5°	102.1	97.8	85.1	110.6	148.9	170.1	157.4	104.2	91.4	102.1	99.9
100°	48.9	46.8	44.7	82.9	117.0	129.7	112.7	74.4	40.4	25.5	25.5
102.5°	10.6	10.6	29.8	57.4	68.1	68.1	61.7	51.0	25.5	8.5	8.5
105°	8.5	10.6	21.3	31.9	34.0	19.1	29.8	31.9	14.9	8.5	8.5
107.5°	8.5	10.6	8.5	10.6	10.6	8.5	10.6	12.8	6.4	8.5	8.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.6	10.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.5	10.6
115°	8.5	8.5	4.3	4.3	4.3	4.3	2.1	4.3	4.3	8.5	8.5
117.5°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	4.3	4.3	8.5	10.6
120°	10.6	8.5	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	10.6
122.5°	10.6	10.6	4.3	2.1	2.1	2.1	2.1	2.1	6.4	10.6	12.8
125°	10.6	8.5	4.3	2.1	2.1	2.1	2.1	2.1	4.3	10.6	10.6
127.5°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.5	10.6
130°	8.5	8.5	4.3	2.1	2.1	2.1	2.1	2.1	4.3	8.5	8.5
132.5°	6.4	6.4	4.3	2.1	2.1	0.0	2.1	2.1	4.3	6.4	6.4
135°	4.3	4.3	2.1	0.0	2.1	0.0	2.1	0.0	2.1	4.3	6.4
137.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
140°	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.1	0.0	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1
150°	2.1	2.1	4.3	2.1	2.1	0.0	2.1	2.1	0.0	0.0	2.1
152.5°	4.3	4.3	4.3	2.1	0.0	0.0	2.1	2.1	2.1	2.1	2.1
155°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	4.3	4.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
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



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110° | 10.6 10.6 4.3 4.3 4.3 4.3 4.3 4.3 4.3 8.5 10.6

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Peachtree City, GA 30269

Scaled Data Report



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