

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: McGRAW-EDISON

Report Number: P386440

Luminaire Tested: **GWC-SA2A-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2A-760-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8055 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

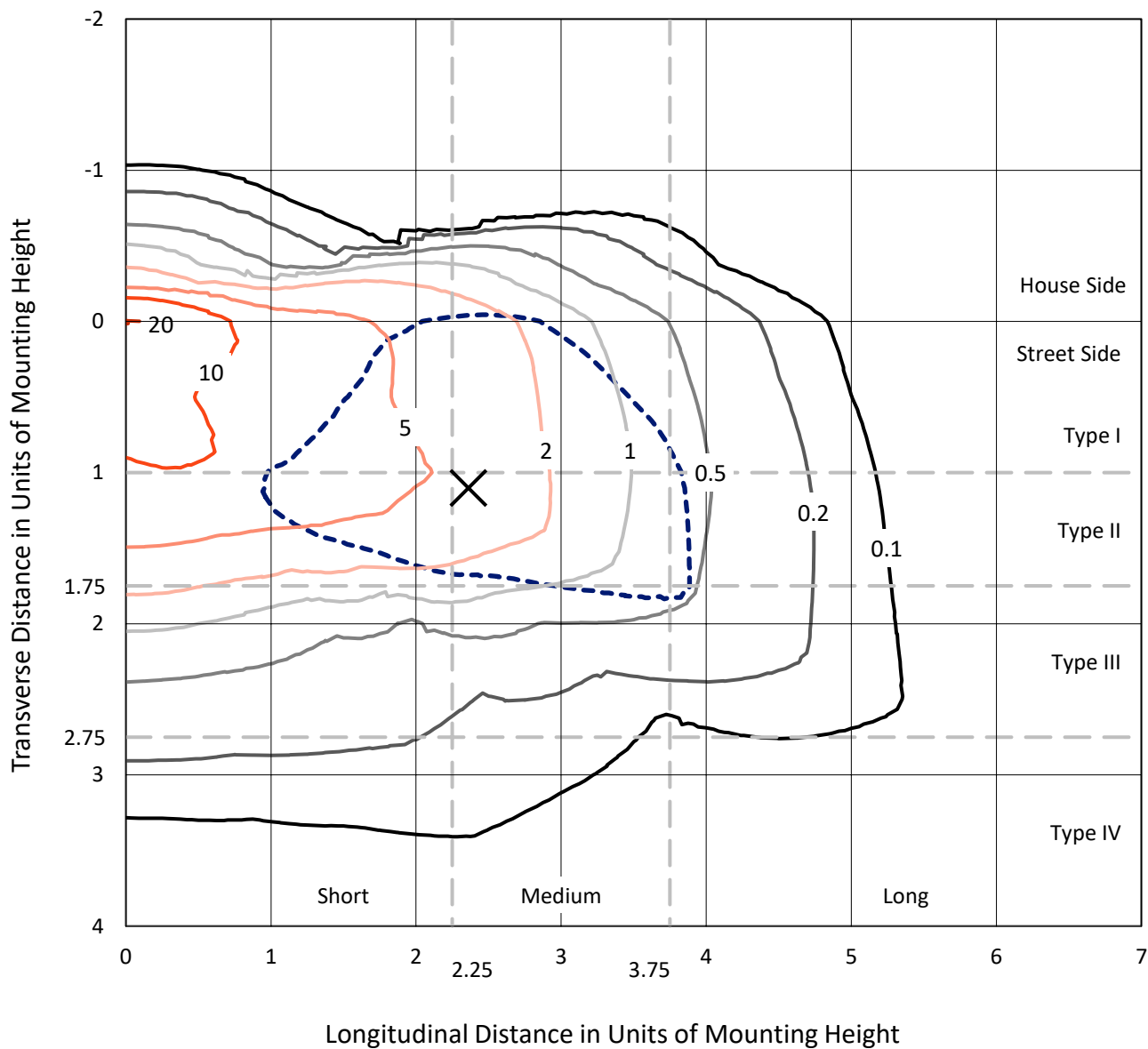


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Iso-Footcandle Lines of Horizontal Illumination

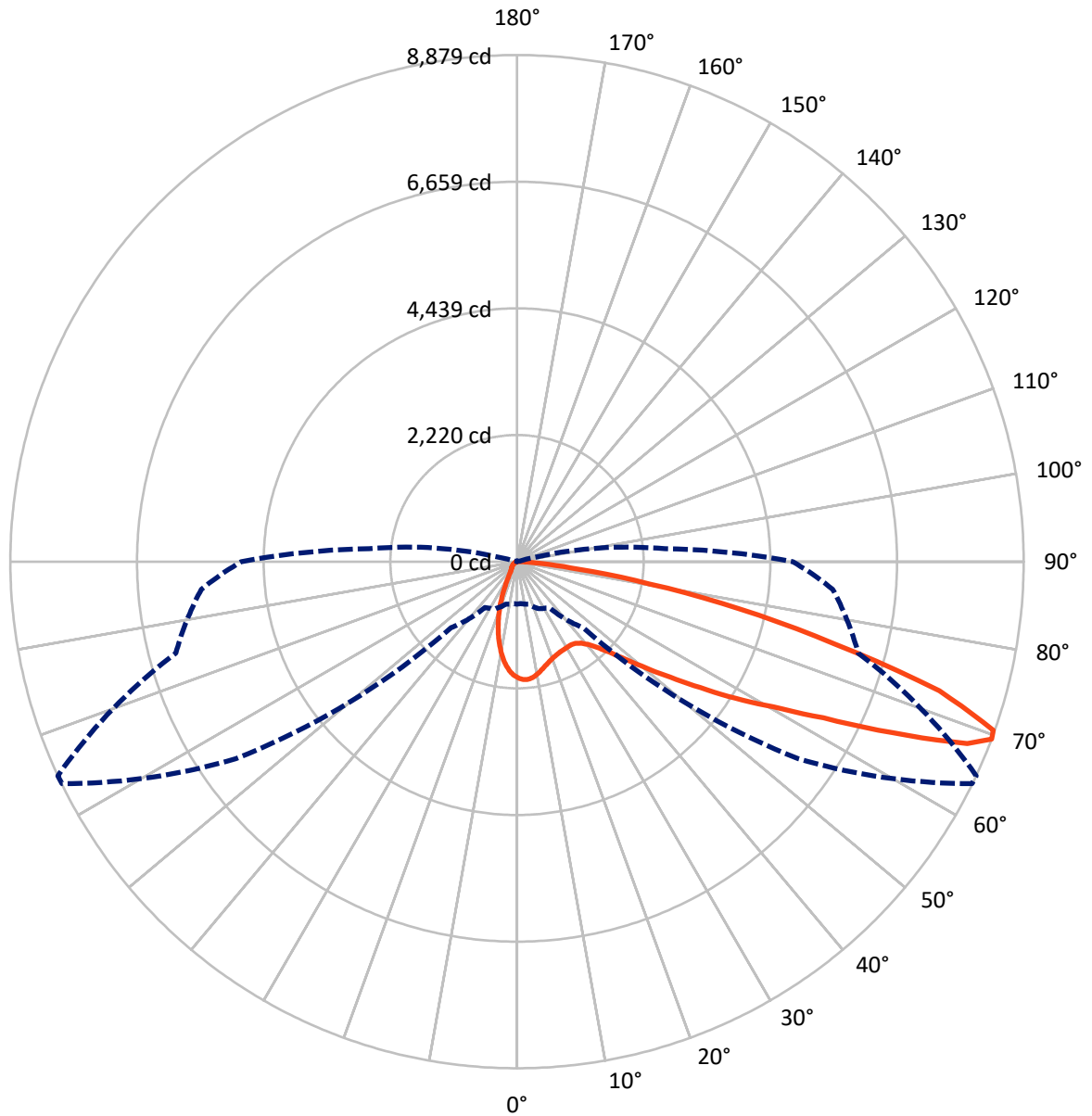
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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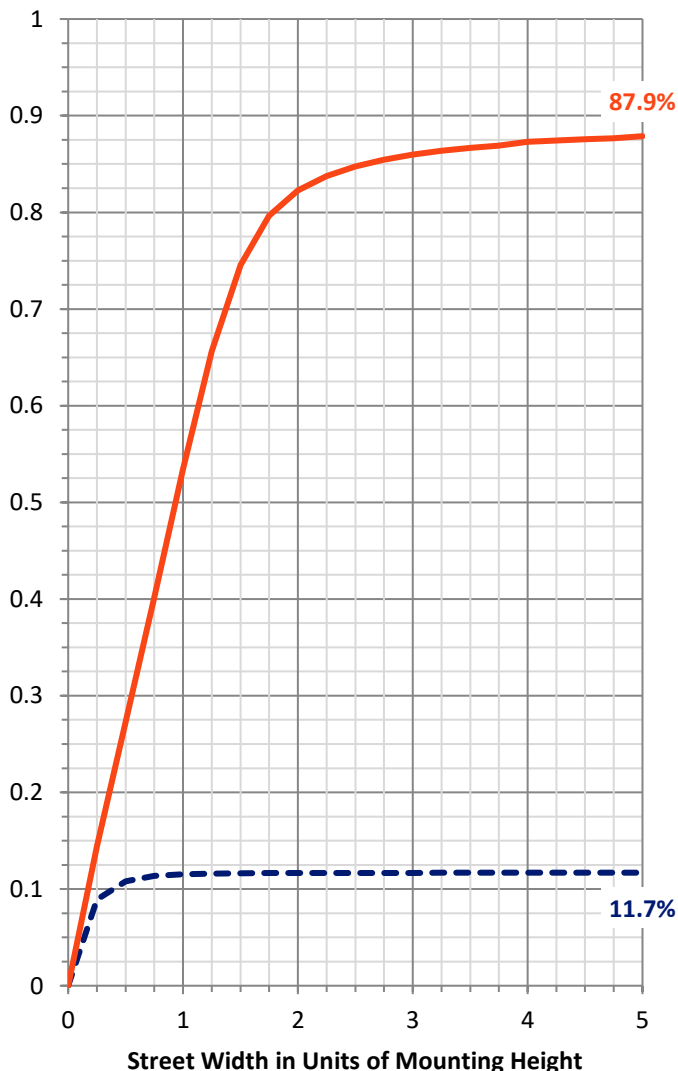
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.5	0.0	949.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7105.5	0.0	7105.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	8055.0	0.0	8055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	2.1
10°-20°	372.6	4.6
20°-30°	516.1	6.4
30°-40°	719.6	8.9
40°-50°	1118.4	13.9
50°-60°	1795.5	22.3
60°-70°	2031.0	25.2
70°-80°	1192.8	14.8
80°-90°	138.8	1.7
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°	8055.0	100.0
0°-180°	8055.0	100.0

Coefficient of Utilization



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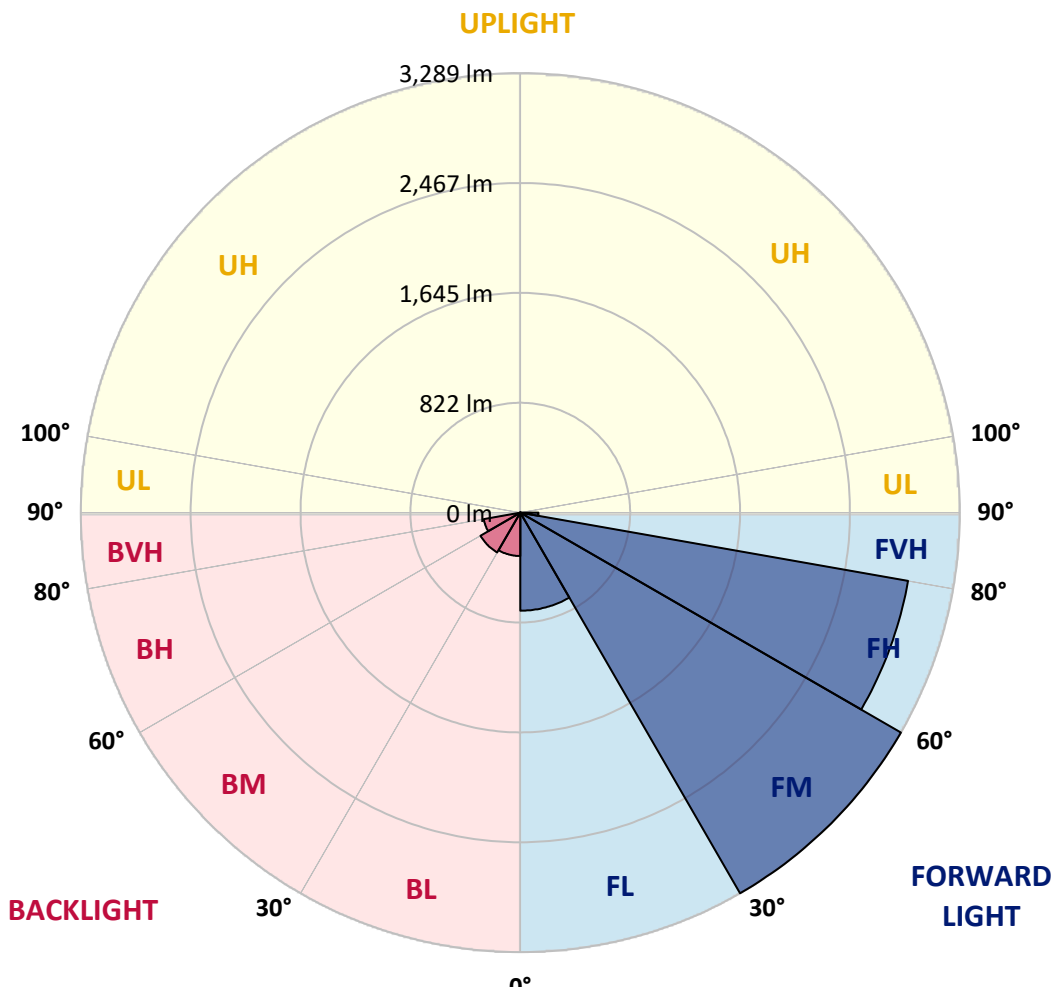
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.0	9.1			
FM (30°-60°)	3289.4	40.8			
FH (60°-80°)	2946.4	36.6			G2/5000
FVH (80°-90°)	135.6	1.7			G2/225
BL (0°-30°)	324.9	4.0	B1/500		
BM (30°-60°)	344.1	4.3	B1/1000		
BH (60°-80°)	277.4	3.4	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5
2.5°	2053.6	2048.5	2052.6	2061.4	2065.8	2065.8	2069.3	2065.2	2066.5	2056.6	2042.3
5°	1925.1	1917.2	1928.5	1953.4	1984.0	2010.3	2049.1	2069.6	2071.6	2072.0	2055.3
7.5°	1786.7	1779.5	1796.2	1825.6	1865.1	1913.8	1981.7	2041.0	2044.4	2076.4	2064.1
10°	1674.2	1669.1	1688.5	1719.9	1766.2	1820.8	1903.9	1986.4	1996.3	2067.2	2062.8
12.5°	1584.9	1580.8	1599.2	1635.4	1682.7	1743.1	1830.0	1925.8	1939.1	2046.4	2056.0
15°	1519.8	1519.1	1534.5	1569.2	1621.7	1678.0	1766.9	1869.5	1884.9	2023.9	2054.9
17.5°	1485.7	1486.8	1498.0	1527.7	1572.6	1628.5	1713.8	1822.1	1838.8	2003.8	2060.1
20°	1482.3	1483.3	1489.5	1506.2	1542.7	1592.1	1670.5	1782.3	1799.6	1988.8	2068.2
22.5°	1512.3	1511.6	1513.3	1511.6	1532.1	1569.6	1641.8	1751.6	1771.7	1978.9	2074.7
25°	1569.9	1568.9	1568.2	1555.6	1542.0	1562.1	1629.9	1734.2	1753.3	1971.8	2078.5
27.5°	1650.0	1649.3	1648.3	1627.5	1586.6	1574.0	1631.3	1727.7	1743.8	1966.0	2077.8
30°	1755.3	1760.1	1758.7	1729.8	1666.0	1610.5	1645.6	1724.3	1738.3	1954.7	2070.6
32.5°	1879.1	1888.6	1896.1	1865.1	1785.3	1682.7	1678.7	1728.1	1738.3	1946.2	2057.7
35°	2007.6	2019.8	2047.4	2036.5	1931.6	1791.5	1735.6	1750.6	1759.1	1951.0	2051.5
37.5°	2134.0	2148.7	2208.7	2240.4	2123.1	1935.3	1824.2	1806.1	1810.6	1980.0	2058.3
40°	2280.9	2303.1	2394.1	2445.2	2351.8	2127.9	1956.8	1901.6	1903.3	2043.7	2090.0
42.5°	2473.8	2496.7	2595.2	2675.3	2609.5	2371.2	2136.7	2047.4	2045.7	2163.0	2164.7
45°	2709.0	2732.9	2834.8	2923.7	2894.1	2659.6	2367.2	2260.5	2258.4	2351.1	2306.1
47.5°	2975.6	2999.1	3090.1	3181.8	3213.8	2996.3	2660.6	2551.2	2546.4	2612.6	2524.6
50°	3204.3	3219.6	3303.4	3426.8	3571.3	3410.1	3025.7	2920.3	2915.2	2959.9	2845.4
52.5°	3287.4	3296.3	3381.5	3554.3	3914.9	3970.5	3505.2	3369.6	3365.8	3385.2	3272.4
55°	3119.1	3135.1	3239.7	3496.0	4101.0	4603.8	4110.6	3925.8	3897.5	3855.6	3718.9
57.5°	2660.3	2685.8	2798.3	3139.2	4014.1	5106.2	5000.2	4555.0	4513.4	4257.1	4081.9
60°	1993.2	2024.6	2118.0	2485.8	3550.2	5285.1	5972.2	5256.1	5162.4	4576.8	4415.6
62.5°	1367.8	1383.5	1446.9	1686.5	2614.6	4992.0	6785.5	6195.2	6024.1	4924.5	4776.6
65°	1044.7	1050.1	1076.0	1158.5	1557.0	4055.0	7109.0	7434.1	7227.2	5340.3	5151.2
67.5°	841.9	837.5	873.2	991.2	1042.6	2473.8	6731.6	8606.3	8509.5	5896.2	5528.1
69°	742.4	736.2	772.7	909.7	979.2	1635.4	6017.9	8872.5	8878.6	6189.7	5554.0
70°	668.1	672.1	708.3	861.3	957.8	1283.6	5336.2	8804.6	8853.0	6299.5	5398.6
72.5°	446.2	457.1	529.7	715.1	921.0	971.4	3222.0	7555.5	7741.6	6052.3	4631.7
75°	251.5	259.7	346.0	539.2	867.8	925.0	1701.8	5566.3	5746.3	5061.2	3571.7
77.5°	123.4	127.8	195.6	348.0	725.7	881.4	965.3	3781.0	3986.5	3303.4	2020.2
80°	52.1	54.5	97.8	214.7	518.8	841.2	716.8	2326.9	2352.5	1294.2	538.2
82.5°	20.1	20.8	41.2	134.0	329.6	655.8	599.5	1103.3	1076.7	243.7	122.7
85°	2.4	2.7	15.0	80.4	183.4	337.4	487.1	475.5	440.0	48.4	63.1
87.5°	0.0	0.0	1.0	24.5	54.5	158.2	253.2	197.3	177.9	15.7	32.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5	2035.5
2.5°	2030.4	2027.0	2008.6	1982.0	1956.8	1925.4	1895.4	1877.4	1863.0	1853.5	1864.8
5°	2035.9	2020.9	1965.0	1893.4	1823.2	1744.1	1670.5	1608.1	1583.6	1556.3	1568.6
7.5°	2034.1	2005.9	1905.3	1777.8	1649.0	1515.7	1389.6	1292.5	1242.0	1192.6	1205.2
10°	2025.6	1977.9	1825.6	1636.7	1443.8	1252.3	1073.3	937.3	861.3	792.5	802.3
12.5°	2006.9	1940.4	1731.5	1475.2	1217.1	964.6	755.0	580.8	487.4	446.2	451.3
15°	1995.6	1903.9	1632.0	1311.6	975.2	671.8	461.5	343.2	300.6	287.0	288.7
17.5°	1990.2	1868.8	1529.0	1124.4	727.7	427.8	298.2	263.1	253.9	251.5	252.2
20°	1984.7	1833.4	1423.0	939.4	501.4	287.7	245.1	234.8	231.4	228.4	229.0
22.5°	1975.5	1799.3	1309.2	751.9	338.1	233.5	220.9	211.0	203.8	200.1	200.8
25°	1964.3	1763.5	1192.9	560.0	246.8	208.3	196.3	182.4	173.8	167.0	167.4
27.5°	1946.2	1719.6	1073.0	407.6	207.2	186.4	170.4	155.1	140.8	132.9	132.9
30°	1921.0	1669.8	939.7	291.8	185.8	165.0	145.5	126.5	111.1	104.0	103.3
32.5°	1893.0	1618.0	805.1	221.2	168.7	144.9	122.7	102.6	89.0	83.2	82.8
35°	1869.2	1562.1	670.8	185.4	151.7	125.4	101.2	84.2	73.3	68.5	68.2
37.5°	1853.8	1506.2	539.9	165.6	136.3	107.4	84.9	69.5	61.7	57.9	57.6
40°	1851.5	1464.6	420.3	150.7	122.0	91.3	70.9	59.0	51.8	47.7	47.4
42.5°	1882.5	1440.7	322.4	138.0	107.4	77.4	60.3	50.4	42.9	38.9	38.5
45°	1963.9	1448.2	248.1	126.8	92.7	65.4	51.1	41.9	35.1	32.0	31.4
47.5°	2112.5	1500.0	197.3	115.5	78.7	55.6	43.6	34.8	29.0	25.9	25.6
50°	2377.0	1621.7	165.0	103.3	65.8	47.4	36.1	28.3	23.5	20.8	20.5
52.5°	2728.1	1838.5	147.2	91.3	54.5	40.2	29.7	22.5	18.4	16.4	16.0
55°	3115.3	2101.0	135.7	78.4	44.7	33.4	23.5	17.7	14.3	12.6	11.9
57.5°	3493.3	2328.3	124.7	65.8	37.2	27.3	18.7	14.0	11.2	9.5	9.2
60°	3840.6	2537.2	112.1	52.8	30.3	21.5	14.7	10.9	8.9	7.2	7.2
62.5°	4212.5	2698.8	94.8	41.2	24.9	16.4	11.9	9.9	7.2	6.1	5.8
65°	4606.5	2818.8	74.3	32.0	19.4	12.3	9.9	10.2	5.8	4.4	4.1
67.5°	4897.6	2794.9	54.9	25.2	15.0	9.5	9.5	10.9	5.1	3.4	3.1
69°	4833.5	2601.0	46.0	21.8	13.0	8.2	8.9	10.9	4.8	3.1	2.7
70°	4647.7	2386.2	40.6	19.4	11.6	7.5	8.5	10.6	4.4	3.1	2.7
72.5°	3870.6	1797.3	31.7	14.7	9.2	6.1	7.2	9.2	4.4	3.1	2.4
75°	2911.5	1150.3	24.2	10.6	6.8	4.8	5.5	6.8	4.4	2.7	2.4
77.5°	1584.2	414.8	17.4	7.2	4.8	3.7	3.7	5.1	4.1	2.0	1.4
80°	407.3	104.3	10.9	4.8	3.7	2.7	2.4	3.4	2.4	0.3	0.0
82.5°	100.5	23.5	5.8	3.4	2.7	1.0	1.0	1.7	1.0	0.0	0.0
85°	55.2	11.6	3.7	2.4	1.4	0.0	0.0	0.3	0.0	0.0	0.0
87.5°	28.3	3.4	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	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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