

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: P386329

Luminaire Tested: **GWC-SA2A-727-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2A-727-U-SL2
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7968 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 66
Input Voltage (V): NR
Input Current (A_{in}): 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

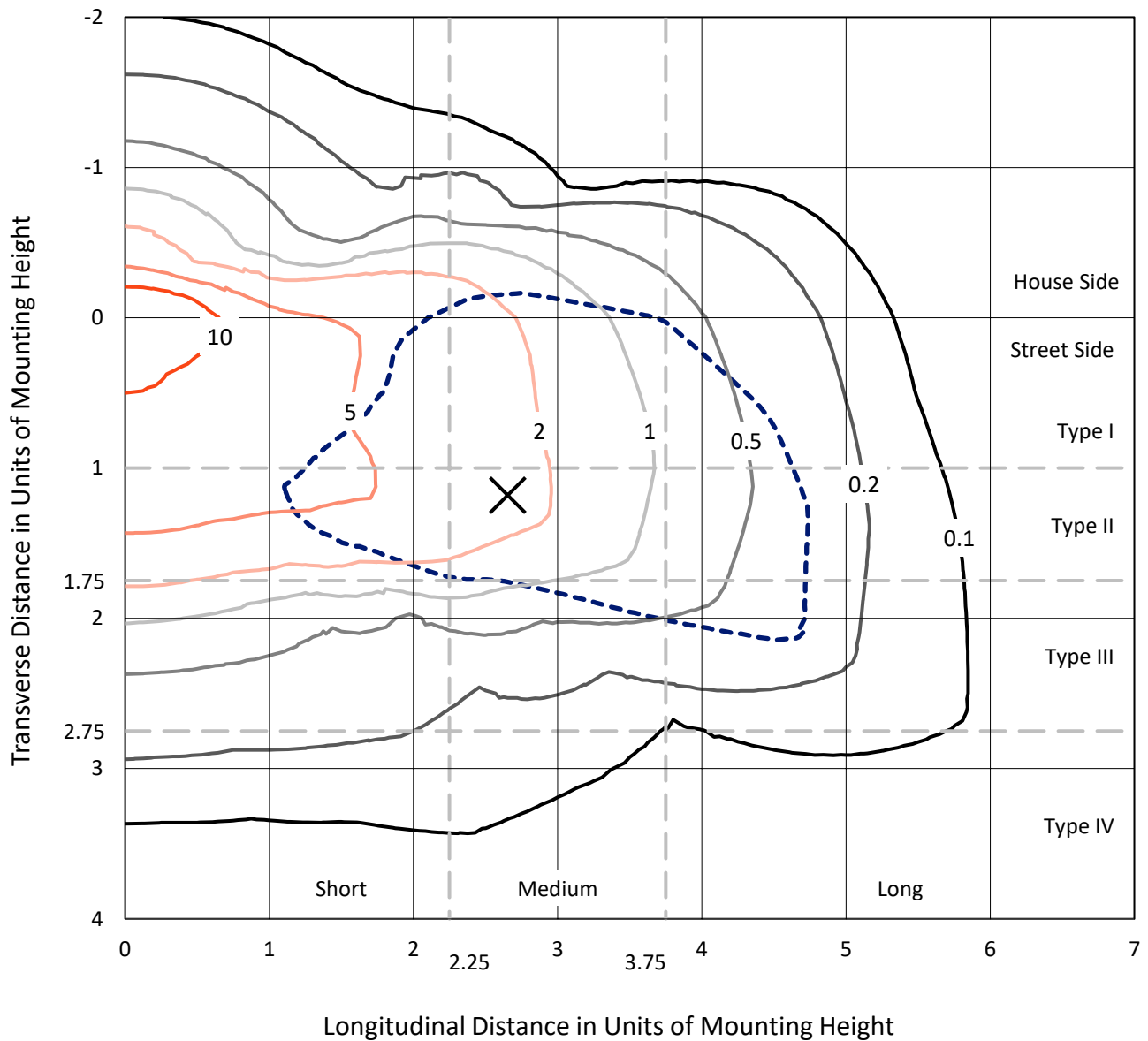


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Iso-Footcandle Lines of Horizontal Illumination

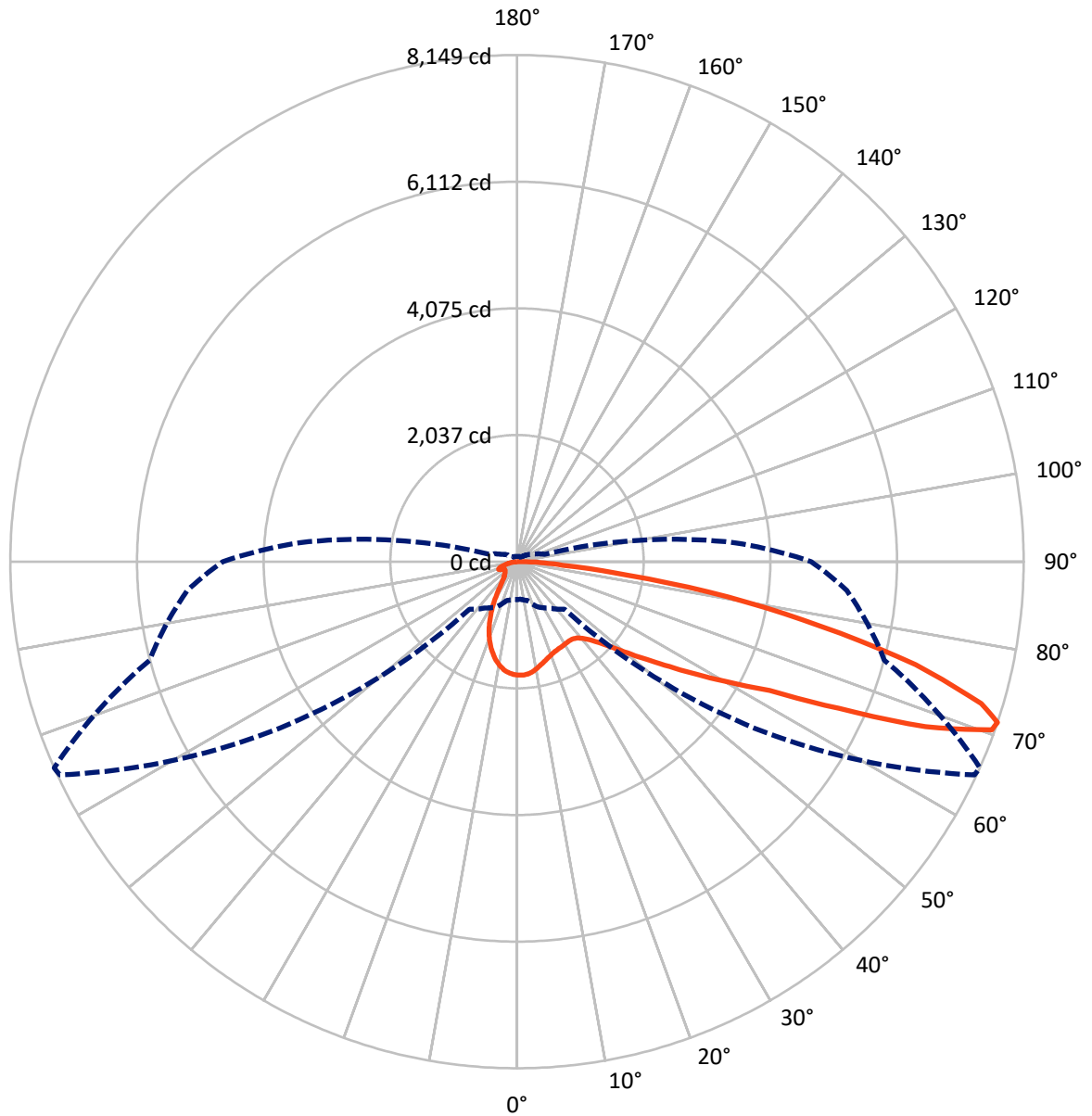
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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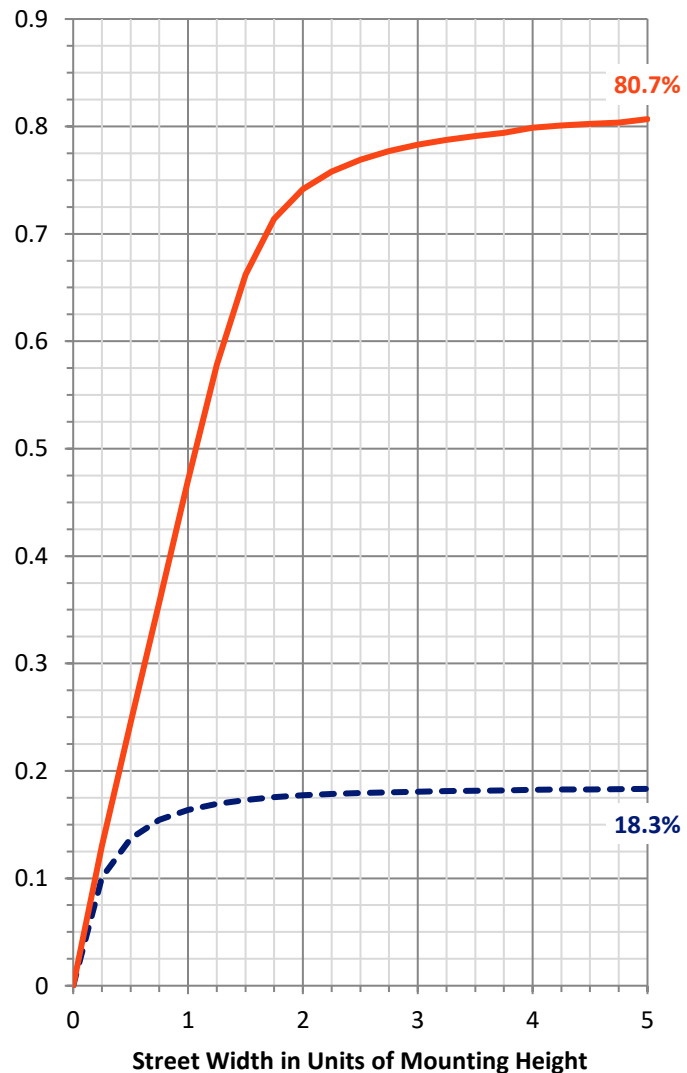
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1476.7	0.0	1476.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6491.3	0.0	6491.3
	% Fixture	81.5	0.0	81.5
Total	Lumens	7968.0	0.0	7968.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	2.0
10°-20°	385.4	4.8
20°-30°	517.6	6.5
30°-40°	680.9	8.5
40°-50°	990.6	12.4
50°-60°	1547.4	19.4
60°-70°	1938.4	24.3
70°-80°	1478.5	18.6
80°-90°	268.5	3.4
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°	7968.0	100.0
0°-180°	7968.0	100.0

Coefficient of Utilization



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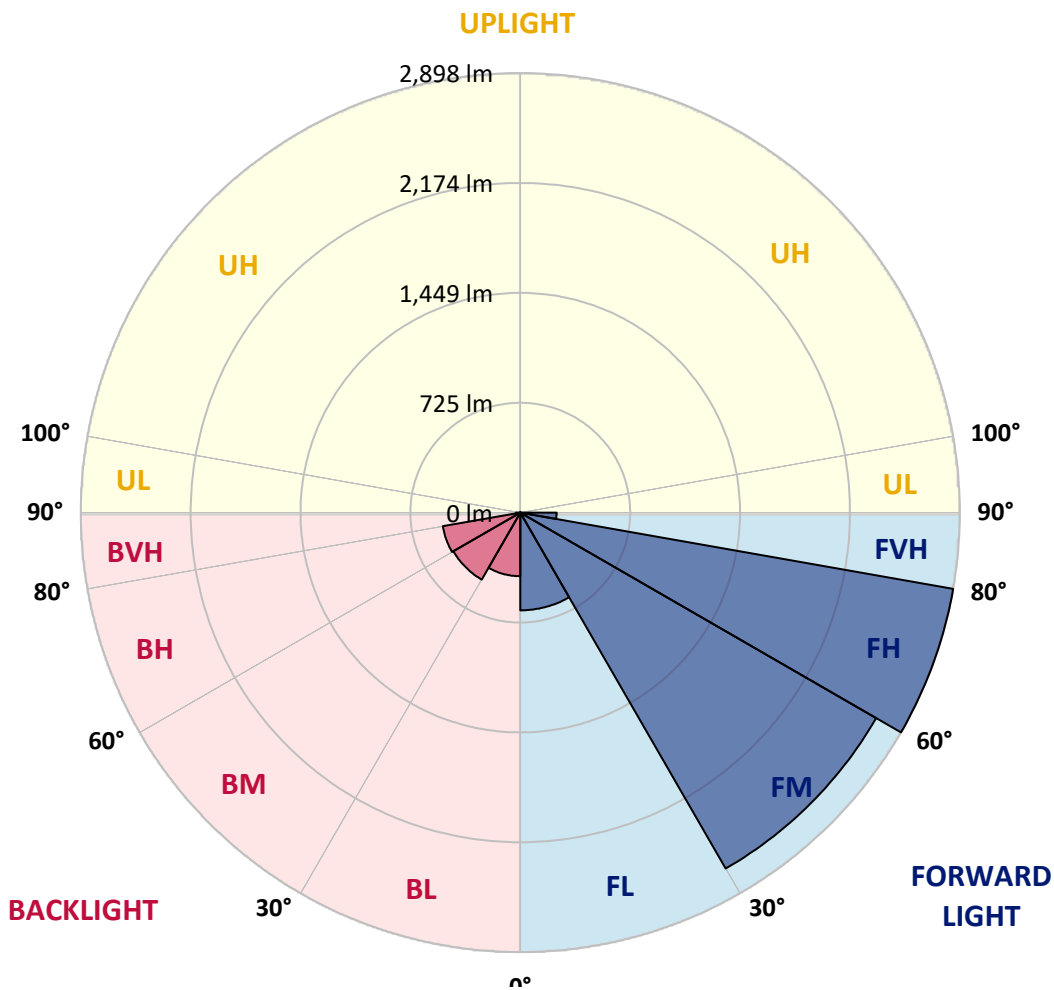
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.3	8.1			
FM (30°-60°)	2709.5	34.0			
FH (60°-80°)	2898.0	36.4			G2/5000
FVH (80°-90°)	239.4	3.0			G3/500
BL (0°-30°)	419.3	5.3	B1/500		
BM (30°-60°)	509.4	6.4	B1/1000		
BH (60°-80°)	518.9	6.5	B2/1000		G2/1000
BVH (80°-90°)	29.1	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°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3
2.5°	1791.5	1788.7	1797.0	1805.5	1808.8	1814.3	1822.6	1827.2	1827.0	1827.8	1825.0
5°	1672.6	1669.1	1685.6	1699.0	1724.9	1754.1	1789.6	1814.9	1815.4	1829.7	1833.6
7.5°	1560.1	1557.6	1576.6	1598.4	1628.3	1672.9	1730.4	1784.9	1788.2	1827.0	1840.4
10°	1469.9	1469.3	1487.8	1511.4	1546.4	1596.2	1662.2	1742.0	1746.9	1813.8	1841.5
12.5°	1399.5	1400.6	1416.5	1443.5	1480.3	1532.3	1603.9	1693.8	1701.8	1792.9	1835.2
15°	1347.5	1351.9	1364.8	1392.0	1428.3	1481.2	1554.6	1649.2	1661.4	1769.5	1831.6
17.5°	1317.7	1322.7	1331.8	1354.3	1388.4	1439.3	1508.9	1612.7	1623.7	1751.6	1831.9
20°	1308.9	1313.1	1318.3	1332.1	1360.9	1407.2	1472.9	1579.6	1591.5	1737.3	1834.7
22.5°	1326.3	1329.3	1329.9	1328.8	1346.4	1384.0	1446.8	1555.4	1568.1	1727.9	1836.6
25°	1363.4	1367.5	1364.5	1354.3	1348.6	1371.7	1433.3	1539.5	1552.1	1721.1	1832.7
27.5°	1419.3	1419.8	1417.3	1404.1	1376.9	1373.0	1429.2	1530.1	1542.2	1713.1	1824.8
30°	1495.2	1498.8	1494.4	1476.5	1431.9	1395.1	1434.1	1521.0	1532.1	1702.9	1811.8
32.5°	1584.0	1592.9	1592.6	1573.9	1510.0	1444.3	1454.5	1515.5	1524.1	1692.2	1796.2
35°	1676.2	1688.3	1710.9	1702.9	1623.9	1522.2	1493.5	1524.4	1530.1	1690.8	1785.1
37.5°	1771.9	1784.0	1830.5	1852.0	1759.6	1633.6	1555.2	1555.4	1558.2	1707.6	1784.3
40°	1872.1	1885.0	1954.9	2010.7	1935.4	1774.7	1654.5	1620.4	1617.3	1748.8	1800.6
42.5°	2012.4	2023.9	2107.8	2179.1	2130.4	1955.4	1791.8	1720.5	1714.2	1829.7	1852.5
45°	2189.8	2199.7	2288.9	2365.1	2340.0	2161.8	1964.2	1858.3	1857.2	1964.5	1957.9
47.5°	2400.8	2408.5	2488.6	2562.3	2571.4	2399.2	2181.0	2071.0	2053.1	2149.4	2121.1
50°	2620.6	2629.2	2683.6	2762.9	2830.3	2716.9	2460.0	2331.5	2307.6	2393.4	2352.1
52.5°	2766.2	2777.4	2824.8	2925.2	3121.3	3065.2	2789.8	2647.3	2611.0	2689.1	2657.5
55°	2701.2	2726.6	2798.9	2959.8	3354.1	3597.3	3196.7	3015.7	2974.7	3039.6	3020.9
57.5°	2406.1	2440.7	2539.5	2787.9	3386.8	4066.0	3811.8	3449.5	3420.6	3401.9	3410.5
60°	1866.6	1899.9	2022.3	2346.1	3158.7	4408.3	4737.6	3984.3	3942.5	3765.6	3773.3
62.5°	1321.0	1304.3	1388.2	1625.0	2566.7	4448.4	5790.9	4699.6	4562.0	4149.7	4115.8
65°	1007.4	1003.6	1041.3	1116.6	1554.6	3967.8	6418.4	5901.8	5686.9	4601.4	4521.6
67.5°	827.8	820.9	858.0	967.8	1001.1	2559.8	6432.2	7296.6	7085.6	5163.7	4990.9
70°	680.6	672.9	707.6	849.2	925.2	1298.2	5413.5	8113.4	8102.1	5875.7	5345.3
71°	610.2	604.7	646.2	803.6	908.9	1082.0	4674.0	8115.6	8149.4	6116.7	5324.4
72.5°	496.8	498.8	542.8	715.3	896.8	955.4	3435.2	7737.3	7808.8	6346.4	5134.3
75°	330.1	331.8	389.5	550.2	869.6	934.8	1888.0	6492.5	6624.0	6208.8	4685.0
77.5°	221.7	221.2	260.5	377.4	757.6	934.8	1107.0	4855.9	5000.3	4940.3	3611.8
80°	152.7	151.6	179.4	260.5	573.6	946.1	855.8	3403.0	3446.8	2668.0	1468.0
82.5°	93.5	94.4	117.2	184.0	390.4	851.4	808.0	1855.6	1808.0	748.3	366.7
85°	53.6	53.4	74.8	124.6	250.6	718.6	787.9	798.6	732.6	225.3	132.6
87.5°	19.3	20.6	40.2	69.1	143.6	500.4	668.5	415.4	374.4	101.8	60.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3	1825.3
2.5°	1823.1	1824.8	1822.8	1811.8	1802.5	1787.4	1778.8	1767.0	1763.4	1761.8	1766.2
5°	1830.0	1830.5	1814.3	1785.4	1753.0	1714.7	1687.2	1653.4	1637.4	1630.5	1634.9
7.5°	1836.3	1833.8	1798.4	1743.1	1683.1	1616.5	1557.4	1503.2	1471.5	1458.6	1459.7
10°	1837.1	1826.7	1769.7	1684.2	1591.2	1493.5	1402.8	1319.1	1266.3	1231.9	1242.4
12.5°	1828.6	1811.0	1727.7	1608.0	1479.0	1345.8	1223.1	1097.7	1022.3	987.3	988.4
15°	1822.0	1790.1	1675.9	1518.3	1345.0	1168.6	1001.1	853.6	773.3	737.6	720.8
17.5°	1816.5	1767.5	1616.0	1417.3	1186.8	963.1	761.8	630.3	586.2	575.8	571.4
20°	1808.8	1743.6	1549.1	1300.4	1006.6	733.2	556.3	491.3	491.6	503.7	505.4
22.5°	1798.1	1716.4	1477.9	1169.2	813.2	534.0	436.0	417.3	436.3	459.4	463.6
25°	1782.1	1684.2	1398.6	1024.2	620.1	410.5	372.5	371.7	394.8	419.0	422.6
27.5°	1759.6	1642.1	1310.6	868.5	456.9	348.8	333.7	339.5	356.5	374.1	375.5
30°	1729.3	1593.1	1213.5	704.3	358.2	310.6	308.9	314.2	324.6	337.0	338.1
32.5°	1696.0	1543.3	1109.8	545.3	306.7	290.0	291.6	294.1	299.0	304.0	305.1
35°	1665.8	1492.4	1003.6	414.3	282.3	276.5	275.4	274.8	275.4	273.7	274.0
37.5°	1646.2	1450.3	893.0	329.8	268.2	264.6	261.3	257.2	252.5	249.8	250.3
40°	1639.1	1419.0	781.0	285.0	256.7	254.2	247.9	239.1	233.6	231.9	231.9
42.5°	1658.3	1402.8	672.9	262.4	247.0	242.9	232.5	222.3	218.2	217.9	217.6
45°	1717.2	1409.4	570.0	250.1	238.2	230.3	216.5	208.0	205.2	205.8	205.5
47.5°	1822.8	1450.9	482.0	241.8	229.4	219.0	203.6	196.7	193.4	193.4	193.7
50°	2002.5	1548.0	411.8	234.9	222.0	208.5	194.2	185.7	181.3	181.0	181.0
52.5°	2264.1	1721.9	368.1	229.2	213.8	199.2	184.9	174.1	168.9	167.8	167.3
55°	2592.0	1971.1	356.0	225.3	202.8	189.0	173.6	162.9	157.1	154.6	154.3
57.5°	2958.7	2274.3	379.9	220.6	191.5	176.9	161.2	151.0	145.0	142.0	141.7
60°	3329.9	2605.2	477.6	214.0	182.1	163.7	148.6	139.2	133.2	129.8	129.3
62.5°	3701.5	2954.1	677.0	213.5	175.5	151.0	135.6	127.6	121.9	118.3	117.5
65°	4120.8	3335.9	903.7	228.1	173.3	139.5	122.4	116.1	111.1	107.8	107.6
67.5°	4602.2	3767.0	882.0	258.0	180.7	129.0	110.0	105.1	101.5	98.8	98.5
70°	4828.1	3699.6	548.3	279.2	191.2	118.8	98.2	94.6	91.9	90.0	89.1
71°	4733.4	3512.8	459.7	276.8	190.1	114.4	93.5	90.8	88.0	86.4	85.6
72.5°	4475.4	3203.6	383.5	257.5	177.7	106.5	87.5	84.7	82.3	80.3	79.8
75°	4016.0	2861.1	307.0	205.8	141.7	90.0	76.8	73.7	71.8	70.7	69.6
77.5°	2952.1	2041.8	237.4	162.6	104.3	73.5	65.5	63.3	61.3	59.7	58.9
80°	1131.0	790.9	159.8	121.3	76.5	58.0	52.8	51.7	49.8	48.7	48.7
82.5°	304.5	236.3	85.3	73.5	51.2	42.4	40.4	39.9	38.2	36.0	36.3
85°	123.2	104.3	47.9	40.4	31.4	25.0	27.2	27.5	25.6	22.8	23.1
87.5°	54.2	44.3	26.7	17.9	13.8	9.6	12.4	12.4	11.3	9.4	8.5
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



Report Generated By 670245982

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