

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: P386133

Luminaire Tested: **GWC-SA1D-730-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386133  
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-SA1D-730-U-SL2  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7392 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 67  
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

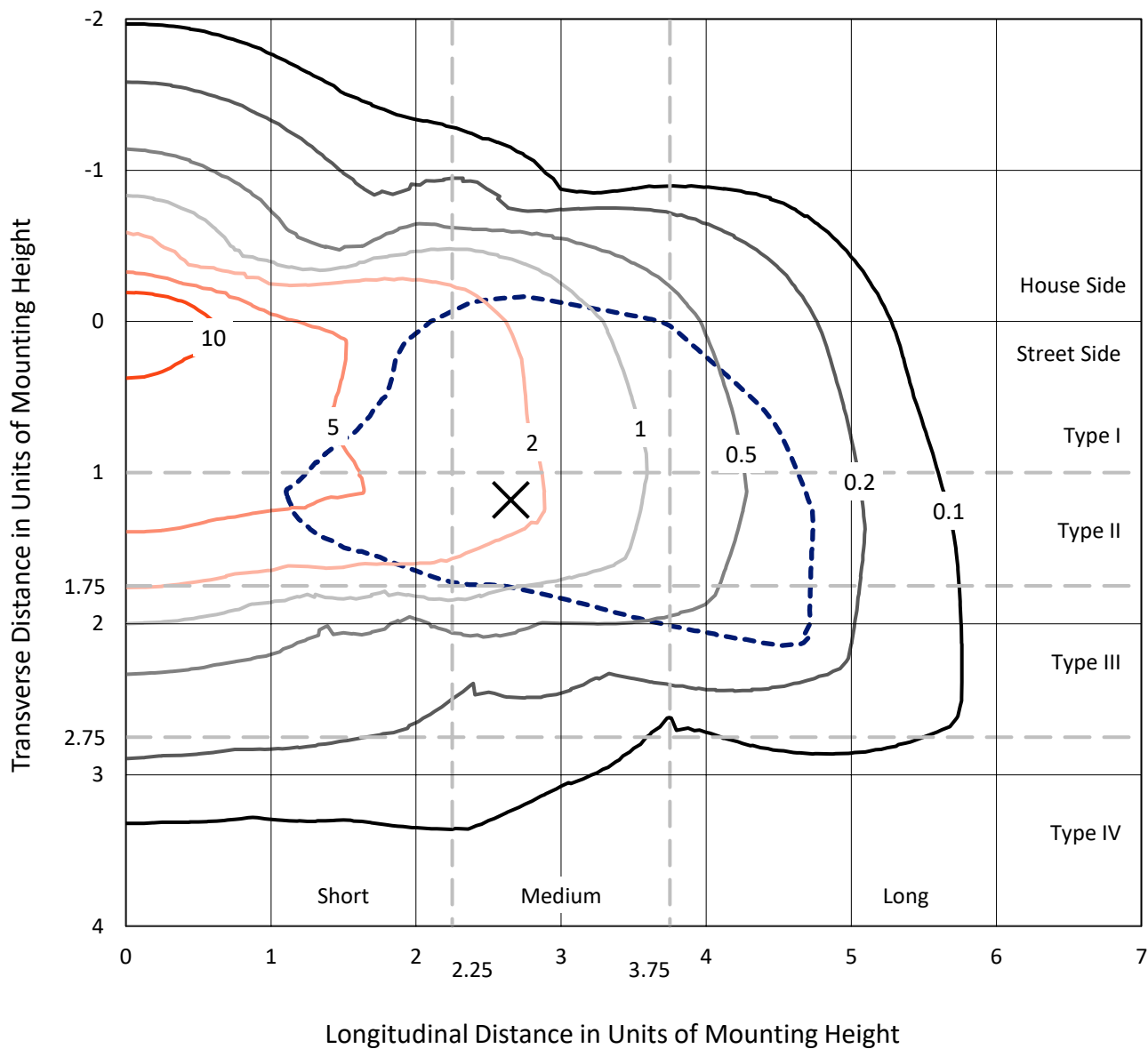


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### Iso-Footcandle Lines of Horizontal Illumination

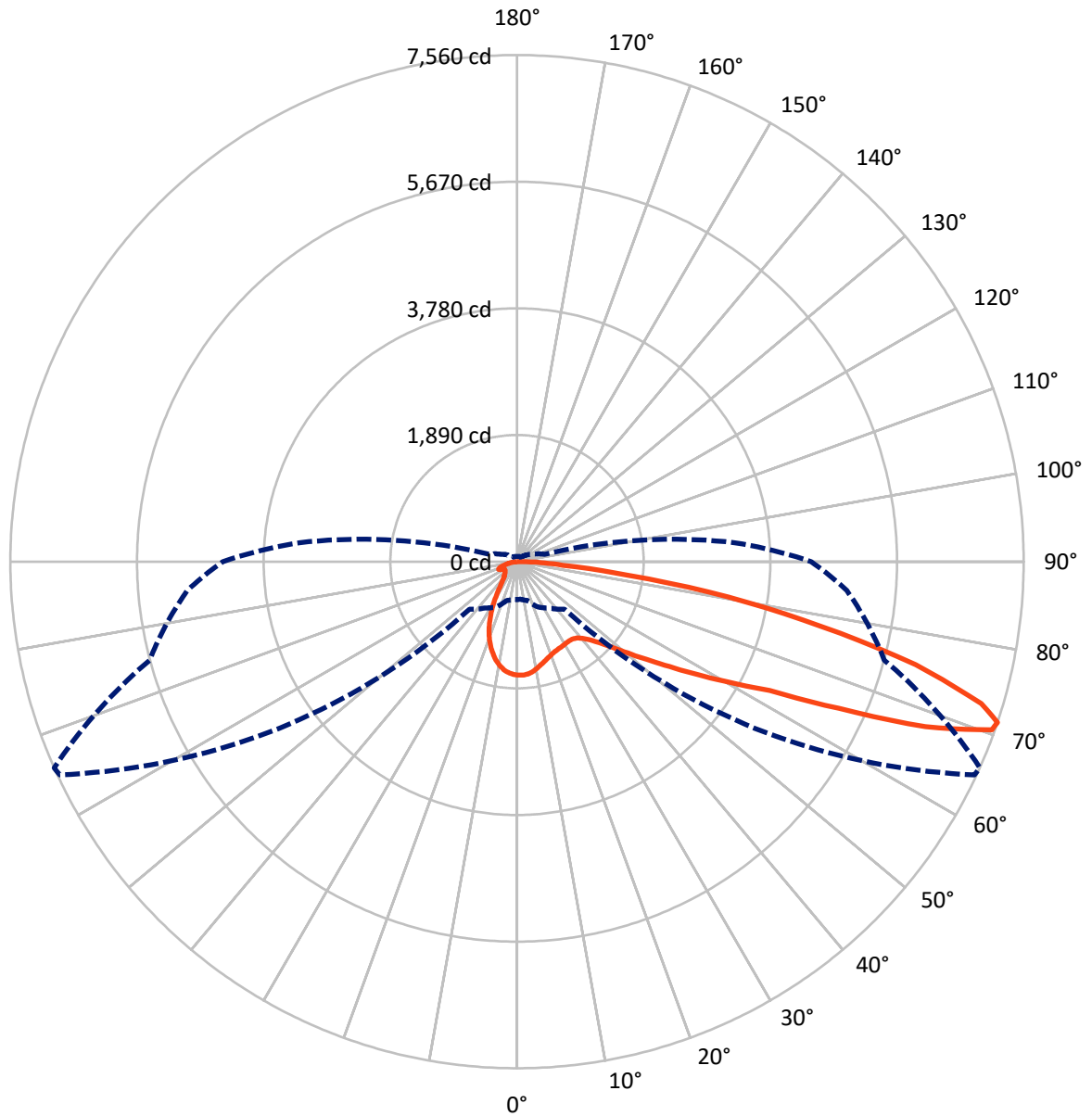
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 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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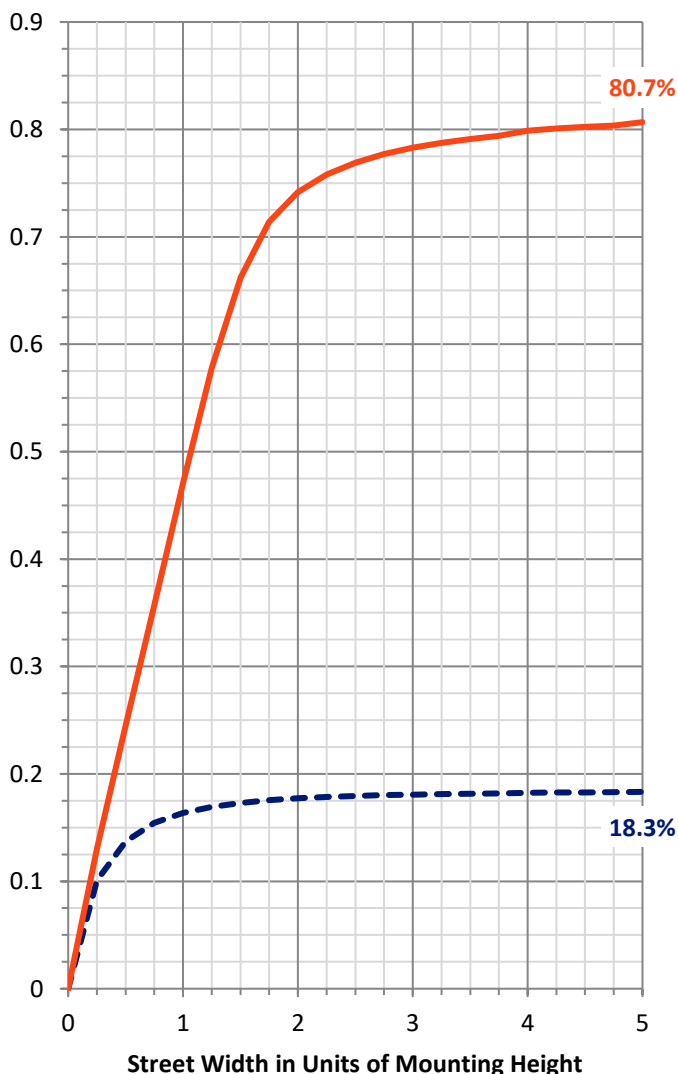
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1370.0	0.0	1370.0
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	6022.1	0.0	6022.1
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	7392.0	0.0	7392.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	2.0
10°-20°	357.5	4.8
20°-30°	480.2	6.5
30°-40°	631.7	8.5
40°-50°	919.0	12.4
50°-60°	1435.5	19.4
60°-70°	1798.3	24.3
70°-80°	1371.7	18.6
80°-90°	249.1	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°	7392.0	100.0
0°-180°	7392.0	100.0

**Coefficient of Utilization**



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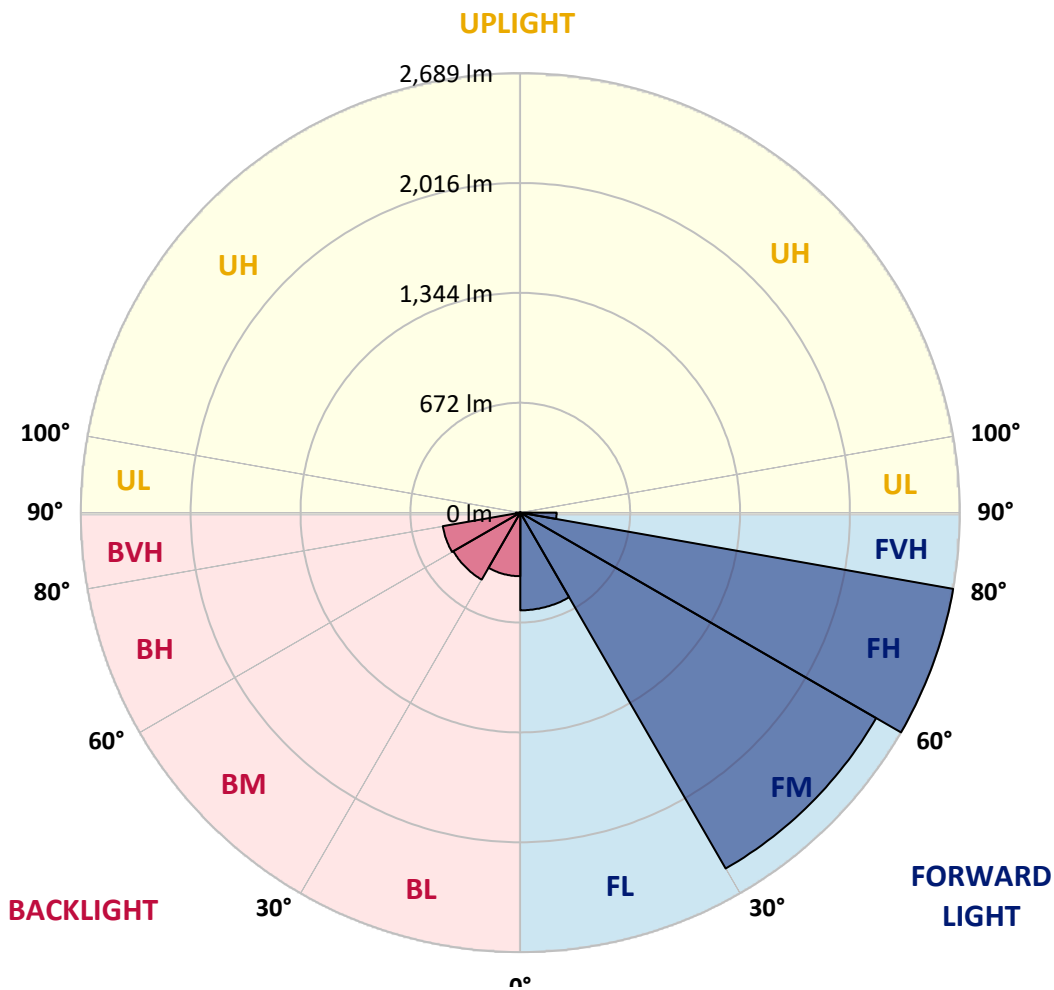
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.7	8.1			
FM (30°-60°)	2513.7	34.0			
FH (60°-80°)	2688.5	36.4			G2/5000
FVH (80°-90°)	222.1	3.0			G2/225
BL (0°-30°)	389.0	5.3	B1/500		
BM (30°-60°)	472.6	6.4	B1/1000		
BH (60°-80°)	481.4	6.5	B1/500		G1/500
BVH (80°-90°)	27.0	0.4			G1/100
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°	65°	66°	75°	85°
0°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4
2.5°	1662.0	1659.4	1667.1	1675.0	1678.1	1683.2	1690.8	1695.2	1694.9	1695.7	1693.1
5°	1551.7	1548.4	1563.7	1576.2	1600.2	1627.3	1660.2	1683.7	1684.2	1697.4	1701.0
7.5°	1447.3	1445.0	1462.6	1482.8	1510.6	1552.0	1605.3	1655.8	1658.9	1694.9	1707.4
10°	1363.6	1363.1	1380.2	1402.2	1434.6	1480.8	1542.0	1616.0	1620.6	1682.6	1708.4
12.5°	1298.3	1299.3	1314.1	1339.1	1373.3	1421.6	1487.9	1571.4	1578.8	1663.2	1702.6
15°	1250.1	1254.1	1266.1	1291.4	1325.1	1374.1	1442.2	1530.0	1541.3	1641.6	1699.2
17.5°	1222.5	1227.1	1235.5	1256.4	1288.1	1335.3	1399.9	1496.1	1506.3	1625.0	1699.5
20°	1214.3	1218.2	1223.0	1235.8	1262.6	1305.4	1366.4	1465.5	1476.4	1611.7	1702.0
22.5°	1230.4	1233.2	1233.7	1232.7	1249.0	1284.0	1342.2	1443.0	1454.7	1603.0	1703.8
25°	1264.9	1268.7	1265.9	1256.4	1251.1	1272.5	1329.7	1428.2	1439.9	1596.6	1700.3
27.5°	1316.7	1317.2	1314.9	1302.6	1277.4	1273.8	1325.9	1419.5	1430.7	1589.2	1692.9
30°	1387.1	1390.4	1386.3	1369.7	1328.4	1294.2	1330.4	1411.1	1421.3	1579.8	1680.9
32.5°	1469.5	1477.7	1477.5	1460.1	1400.9	1339.9	1349.3	1406.0	1413.9	1569.8	1666.3
35°	1555.0	1566.3	1587.2	1579.8	1506.5	1412.1	1385.6	1414.2	1419.5	1568.6	1656.1
37.5°	1643.9	1655.1	1698.2	1718.1	1632.4	1515.5	1442.7	1443.0	1445.5	1584.1	1655.3
40°	1736.8	1748.7	1813.6	1865.4	1795.5	1646.4	1534.9	1503.2	1500.4	1622.4	1670.4
42.5°	1866.9	1877.6	1955.5	2021.6	1976.4	1814.1	1662.2	1596.1	1590.3	1697.4	1718.6
45°	2031.5	2040.7	2123.4	2194.1	2170.9	2005.5	1822.2	1724.0	1723.0	1822.5	1816.4
47.5°	2227.3	2234.4	2308.7	2377.1	2385.5	2225.7	2023.4	1921.3	1904.7	1994.0	1967.7
50°	2431.2	2439.1	2489.6	2563.1	2625.7	2520.5	2282.1	2163.0	2140.8	2220.4	2182.1
52.5°	2566.2	2576.7	2620.6	2713.7	2895.7	2843.6	2588.2	2456.0	2422.3	2494.7	2465.4
55°	2506.0	2529.5	2596.6	2745.9	3111.6	3337.2	2965.6	2797.7	2759.7	2819.9	2802.5
57.5°	2232.1	2264.3	2355.9	2586.4	3142.0	3772.1	3536.3	3200.2	3173.4	3156.0	3163.9
60°	1731.6	1762.5	1876.1	2176.5	2930.4	4089.6	4395.1	3696.3	3657.5	3493.4	3500.6
62.5°	1225.6	1210.0	1287.8	1507.6	2381.2	4126.9	5372.3	4359.9	4232.3	3849.7	3818.3
65°	934.6	931.0	966.0	1035.9	1442.2	3681.0	5954.5	5475.2	5275.8	4268.8	4194.7
67.5°	767.9	761.6	796.0	897.9	928.7	2374.8	5967.2	6769.1	6573.4	4790.4	4630.1
70°	631.4	624.3	656.4	787.9	858.3	1204.4	5022.2	7526.9	7516.4	5450.9	4958.9
71°	566.1	561.0	599.5	745.5	843.2	1003.8	4336.1	7528.9	7560.3	5674.5	4939.5
72.5°	460.9	462.7	503.5	663.6	832.0	886.4	3186.9	7178.0	7244.3	5887.6	4763.1
75°	306.3	307.8	361.4	510.4	806.7	867.2	1751.6	6023.1	6145.1	5760.0	4346.3
77.5°	205.7	205.2	241.7	350.2	702.9	867.2	1027.0	4504.8	4638.8	4583.2	3350.7
80°	141.6	140.6	166.4	241.7	532.1	877.7	794.0	3157.0	3197.6	2475.1	1361.8
82.5°	86.8	87.5	108.7	170.7	362.2	789.9	749.6	1721.4	1677.3	694.2	340.2
85°	49.8	49.5	69.4	115.6	232.5	666.6	730.9	740.9	679.6	209.0	123.0
87.5°	17.9	19.1	37.3	64.1	133.2	464.2	620.2	385.4	347.4	94.4	55.6
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°	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4	1693.4
2.5°	1691.3	1692.9	1691.1	1680.9	1672.2	1658.1	1650.2	1639.3	1635.9	1634.4	1638.5
5°	1697.7	1698.2	1683.2	1656.4	1626.2	1590.8	1565.2	1533.9	1519.1	1512.7	1516.8
7.5°	1703.6	1701.3	1668.4	1617.1	1561.4	1499.7	1444.8	1394.5	1365.2	1353.2	1354.2
10°	1704.3	1694.6	1641.8	1562.4	1476.2	1385.6	1301.4	1223.8	1174.8	1142.9	1152.6
12.5°	1696.4	1680.1	1602.8	1491.7	1372.0	1248.5	1134.7	1018.3	948.4	916.0	917.0
15°	1690.3	1660.7	1554.8	1408.5	1247.8	1084.2	928.7	791.9	717.4	684.2	668.7
17.5°	1685.2	1639.8	1499.1	1314.9	1101.0	893.5	706.7	584.7	543.9	534.2	530.1
20°	1678.1	1617.6	1437.1	1206.4	933.8	680.2	516.0	455.8	456.1	467.3	468.8
22.5°	1668.1	1592.3	1371.0	1084.7	754.4	495.4	404.5	387.2	404.8	426.2	430.0
25°	1653.3	1562.4	1297.5	950.2	575.3	380.8	345.6	344.8	366.2	388.7	392.0
27.5°	1632.4	1523.4	1215.9	805.7	423.9	323.6	309.6	314.9	330.8	347.1	348.4
30°	1604.3	1478.0	1125.8	653.4	332.3	288.1	286.6	291.5	301.2	312.6	313.7
32.5°	1573.4	1431.8	1029.5	505.8	284.6	269.0	270.5	272.8	277.4	282.0	283.0
35°	1545.3	1384.6	931.0	384.4	261.9	256.5	255.5	255.0	255.5	253.9	254.2
37.5°	1527.2	1345.5	828.4	306.0	248.8	245.5	242.5	238.6	234.3	231.7	232.2
40°	1520.6	1316.4	724.6	264.4	238.1	235.8	230.0	221.8	216.7	215.1	215.1
42.5°	1538.4	1301.4	624.3	243.5	229.2	225.4	215.7	206.2	202.4	202.1	201.9
45°	1593.1	1307.5	528.8	232.0	221.0	213.6	200.9	192.9	190.4	190.9	190.6
47.5°	1691.1	1346.0	447.1	224.3	212.9	203.2	188.9	182.5	179.4	179.4	179.7
50°	1857.7	1436.1	382.1	218.0	206.0	193.5	180.2	172.3	168.2	167.9	167.9
52.5°	2100.4	1597.4	341.5	212.6	198.3	184.8	171.5	161.6	156.7	155.7	155.2
55°	2404.7	1828.6	330.3	209.0	188.1	175.3	161.0	151.1	145.7	143.4	143.2
57.5°	2744.9	2109.9	352.5	204.7	177.6	164.1	149.6	140.1	134.5	131.7	131.4
60°	3089.1	2416.9	443.1	198.6	169.0	151.9	137.8	129.1	123.5	120.5	120.0
62.5°	3433.9	2740.5	628.1	198.0	162.8	140.1	125.8	118.4	113.1	109.7	109.0
65°	3822.9	3094.8	838.4	211.6	160.8	129.4	113.6	107.7	103.1	100.0	99.8
67.5°	4269.5	3494.7	818.2	239.4	167.7	119.7	102.1	97.5	94.2	91.6	91.4
70°	4479.1	3432.2	508.6	259.0	177.4	110.3	91.1	87.8	85.2	83.5	82.7
71°	4391.3	3258.9	426.5	256.7	176.4	106.2	86.8	84.2	81.7	80.1	79.4
72.5°	4151.9	2972.0	355.8	238.9	164.9	98.8	81.2	78.6	76.3	74.5	74.0
75°	3725.7	2654.3	284.8	190.9	131.4	83.5	71.2	68.4	66.6	65.6	64.6
77.5°	2738.7	1894.2	220.3	150.8	96.7	68.1	60.7	58.7	56.9	55.4	54.6
80°	1049.2	733.7	148.3	112.6	71.0	53.9	49.0	48.0	46.2	45.2	45.2
82.5°	282.5	219.2	79.1	68.1	47.5	39.3	37.5	37.0	35.5	33.4	33.7
85°	114.3	96.7	44.4	37.5	29.1	23.2	25.3	25.5	23.7	21.2	21.4
87.5°	50.3	41.1	24.8	16.6	12.8	8.9	11.5	11.5	10.5	8.7	7.9
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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