

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: P386497

Luminaire Tested: **GWC-SA2A-830-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386497
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-830-U-SL2
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 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: 7571 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - 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

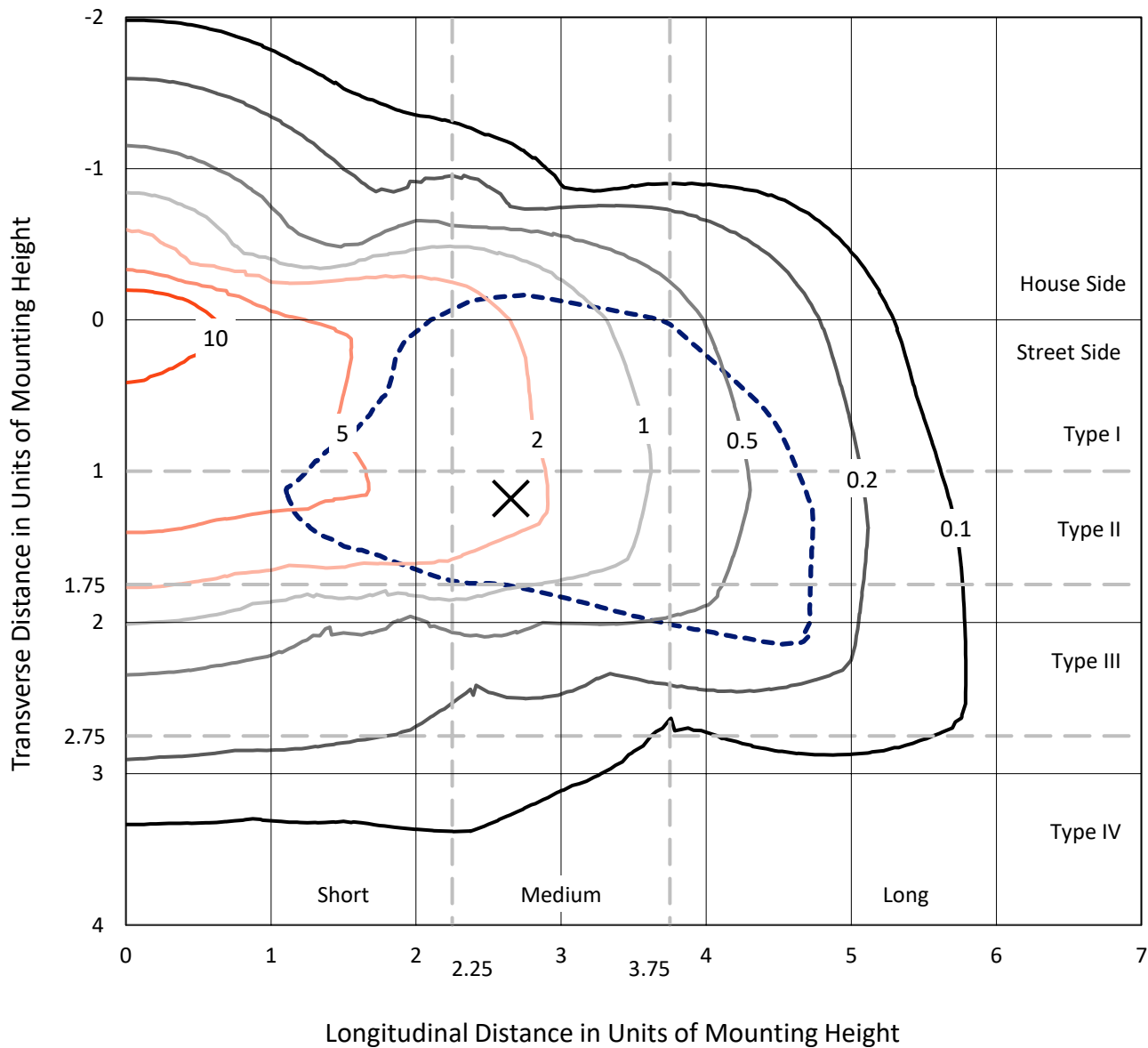


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Iso-Footcandle Lines of Horizontal Illumination

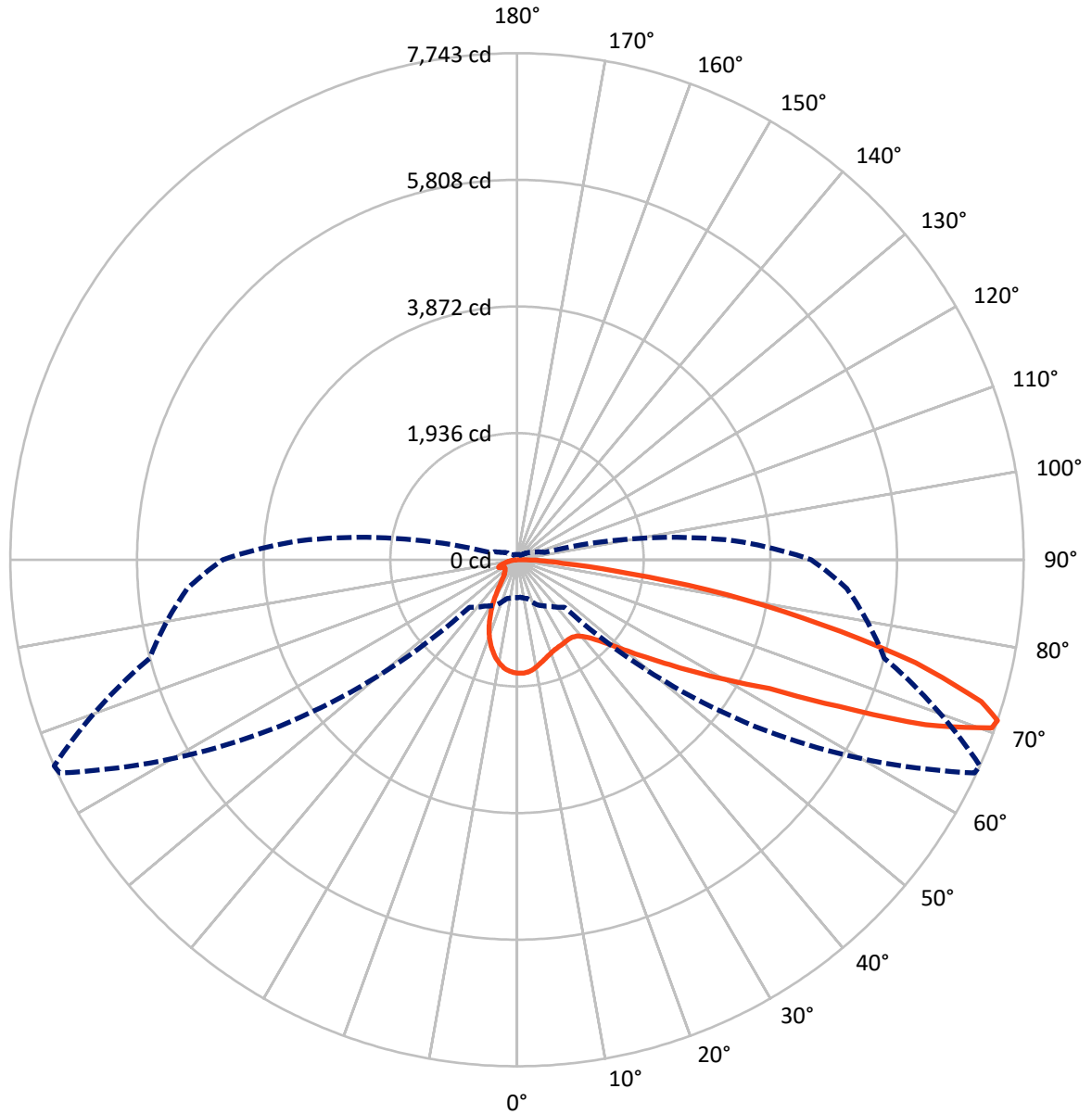
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 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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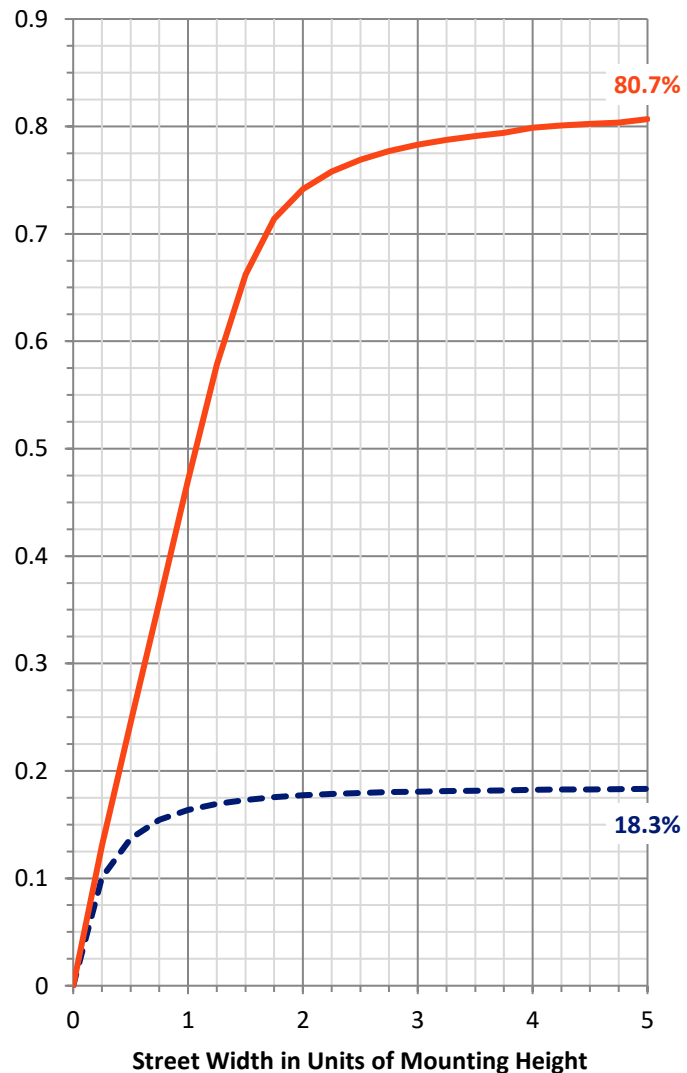
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1403.1	0.0	1403.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6167.9	0.0	6167.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	7571.0	0.0	7571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	2.0
10°-20°	366.2	4.8
20°-30°	491.8	6.5
30°-40°	647.0	8.5
40°-50°	941.2	12.4
50°-60°	1470.3	19.4
60°-70°	1841.8	24.3
70°-80°	1404.9	18.6
80°-90°	255.1	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°	7571.0	100.0
0°-180°	7571.0	100.0

Coefficient of Utilization



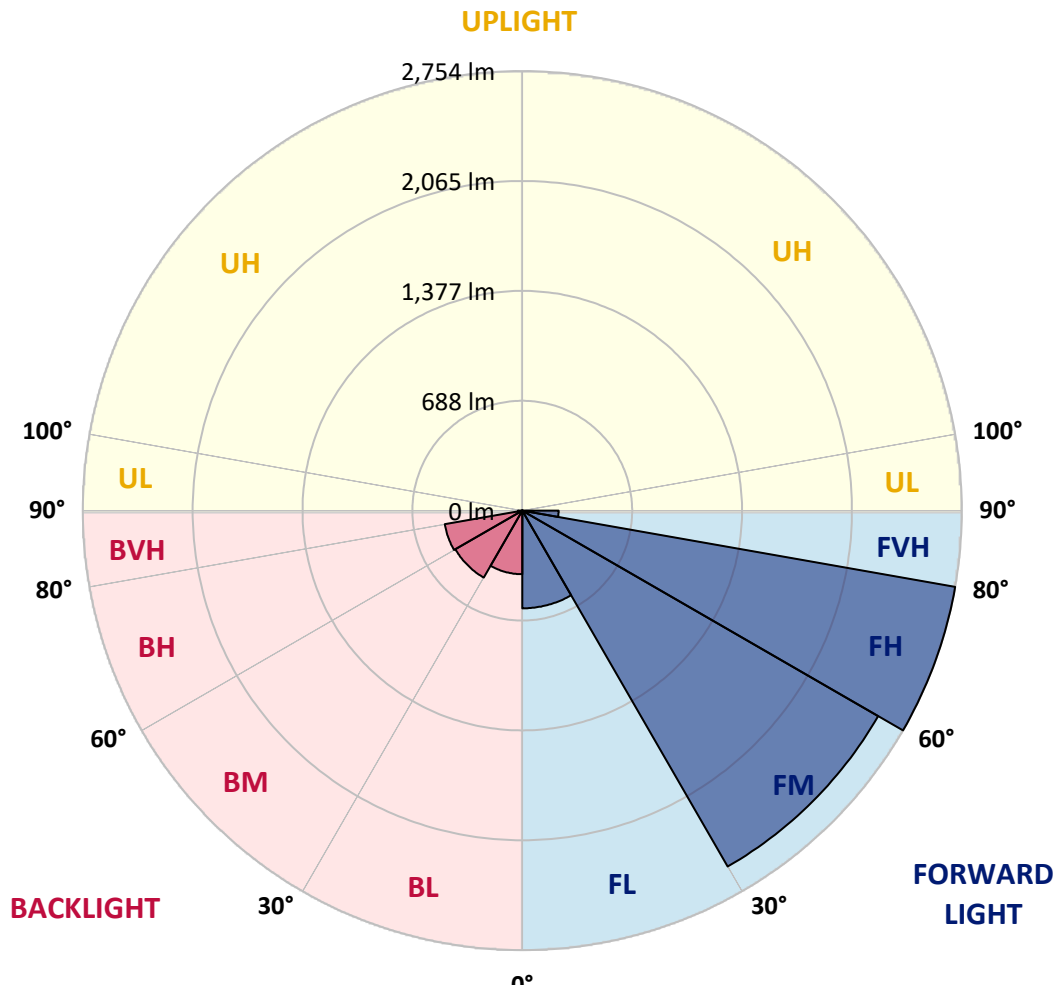
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.2	8.1			
FM (30°-60°)	2574.5	34.0			
FH (60°-80°)	2753.7	36.4			G2/5000
FVH (80°-90°)	227.5	3.0			G3/500
BL (0°-30°)	398.4	5.3	B1/500		
BM (30°-60°)	484.0	6.4	B1/1000		
BH (60°-80°)	493.0	6.5	B1/500		G1/500
BVH (80°-90°)	27.6	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-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1702.2	1699.6	1707.4	1715.5	1718.7	1723.9	1731.8	1736.2	1735.9	1736.7	1734.1
5°	1589.3	1585.9	1601.6	1614.4	1639.0	1666.7	1700.4	1724.4	1725.0	1738.6	1742.2
7.5°	1482.4	1480.0	1498.1	1518.7	1547.2	1589.6	1644.2	1695.9	1699.1	1735.9	1748.7
10°	1396.6	1396.1	1413.6	1436.1	1469.3	1516.6	1579.4	1655.2	1659.9	1723.4	1749.8
12.5°	1329.7	1330.8	1345.9	1371.6	1406.6	1456.0	1523.9	1609.4	1617.0	1703.5	1743.8
15°	1280.3	1284.5	1296.8	1322.7	1357.2	1407.4	1477.2	1567.1	1578.6	1681.3	1740.4
17.5°	1252.1	1256.8	1265.4	1286.9	1319.3	1367.6	1433.8	1532.3	1542.8	1664.3	1740.6
20°	1243.7	1247.6	1252.6	1265.7	1293.1	1337.0	1399.5	1500.9	1512.2	1650.7	1743.3
22.5°	1260.2	1263.1	1263.6	1262.5	1279.3	1315.1	1374.7	1477.9	1490.0	1641.8	1745.1
25°	1295.5	1299.4	1296.5	1286.9	1281.4	1303.3	1361.9	1462.8	1474.8	1635.3	1741.4
27.5°	1348.5	1349.1	1346.7	1334.2	1308.3	1304.6	1358.0	1453.9	1465.4	1627.7	1733.8
30°	1420.7	1424.1	1419.9	1402.9	1360.6	1325.5	1362.7	1445.3	1455.7	1618.0	1721.6
32.5°	1505.1	1513.5	1513.2	1495.5	1434.8	1372.3	1382.0	1440.0	1448.1	1607.9	1706.7
35°	1592.7	1604.2	1625.6	1618.0	1543.0	1446.3	1419.1	1448.4	1453.9	1606.5	1696.2
37.5°	1683.7	1695.2	1739.3	1759.7	1671.9	1552.2	1477.7	1477.9	1480.6	1622.5	1695.4
40°	1778.8	1791.1	1857.5	1910.6	1838.9	1686.3	1572.0	1539.6	1536.8	1661.7	1710.8
42.5°	1912.1	1923.1	2002.8	2070.5	2024.3	1858.0	1702.5	1634.8	1628.8	1738.6	1760.2
45°	2080.7	2090.1	2174.8	2247.2	2223.4	2054.1	1866.4	1765.7	1764.7	1866.6	1860.4
47.5°	2281.2	2288.5	2364.6	2434.7	2443.3	2279.6	2072.4	1967.8	1950.8	2042.3	2015.4
50°	2490.1	2498.2	2549.9	2625.2	2689.3	2581.6	2337.4	2215.3	2192.6	2274.2	2234.9
52.5°	2628.3	2639.1	2684.0	2779.4	2965.8	2912.5	2650.8	2515.4	2480.9	2555.2	2525.1
55°	2566.7	2590.7	2659.5	2812.4	3187.0	3418.0	3037.4	2865.4	2826.5	2888.2	2870.4
57.5°	2286.2	2319.1	2413.0	2649.0	3218.1	3863.4	3621.9	3277.7	3250.2	3232.4	3240.5
60°	1773.6	1805.2	1921.5	2229.2	3001.4	4188.6	4501.5	3785.8	3746.1	3578.0	3585.3
62.5°	1255.2	1239.3	1319.0	1544.1	2438.8	4226.8	5502.4	4465.4	4334.7	3942.9	3910.8
65°	957.2	953.6	989.4	1061.0	1477.2	3770.1	6098.7	5607.8	5403.6	4372.1	4296.3
67.5°	786.5	780.0	815.3	919.6	951.2	2432.3	6111.7	6933.0	6732.5	4906.4	4742.3
70°	646.7	639.4	672.3	806.9	879.1	1233.5	5143.8	7709.1	7698.4	5582.9	5078.9
71°	579.8	574.6	614.0	763.5	863.7	1028.1	4441.1	7711.2	7743.4	5811.9	5059.1
72.5°	472.1	473.9	515.7	679.6	852.2	907.8	3264.1	7351.8	7419.8	6030.2	4878.5
75°	313.7	315.2	370.1	522.8	826.3	888.2	1794.0	6169.0	6293.9	5899.5	4451.6
77.5°	210.7	210.2	247.5	358.6	719.9	888.2	1051.9	4613.9	4751.2	4694.2	3431.9
80°	145.1	144.0	170.4	247.5	545.0	898.9	813.2	3233.5	3275.0	2535.0	1394.8
82.5°	88.9	89.7	111.4	174.9	370.9	809.0	767.7	1763.1	1717.9	711.0	348.4
85°	51.0	50.7	71.1	118.4	238.1	682.8	748.6	758.8	696.1	214.1	126.0
87.5°	18.3	19.6	38.2	65.6	136.4	475.5	635.2	394.7	355.8	96.7	57.0
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°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1732.3	1733.8	1732.0	1721.6	1712.7	1698.3	1690.2	1679.0	1675.6	1674.0	1678.2
5°	1738.8	1739.3	1723.9	1696.5	1665.6	1629.3	1603.1	1571.0	1555.8	1549.3	1553.5
7.5°	1744.8	1742.5	1708.8	1656.2	1599.2	1536.0	1479.8	1428.3	1398.2	1385.9	1387.0
10°	1745.6	1735.7	1681.6	1600.3	1511.9	1419.1	1332.9	1253.4	1203.2	1170.5	1180.5
12.5°	1737.5	1720.8	1641.6	1527.9	1405.3	1278.8	1162.2	1043.0	971.4	938.2	939.2
15°	1731.2	1700.9	1592.4	1442.7	1278.0	1110.4	951.2	811.1	734.8	700.8	684.9
17.5°	1726.0	1679.5	1535.4	1346.7	1127.7	915.2	723.8	598.9	557.0	547.1	542.9
20°	1718.7	1656.7	1471.9	1235.6	956.5	696.6	528.5	466.9	467.1	478.6	480.2
22.5°	1708.5	1630.9	1404.2	1110.9	772.7	507.4	414.3	396.5	414.6	436.5	440.5
25°	1693.3	1600.3	1328.9	973.2	589.2	390.0	353.9	353.1	375.1	398.1	401.5
27.5°	1671.9	1560.3	1245.3	825.2	434.2	331.5	317.1	322.6	338.8	355.5	356.8
30°	1643.1	1513.8	1153.0	669.2	340.3	295.1	293.5	298.5	308.4	320.2	321.3
32.5°	1611.5	1466.4	1054.5	518.1	291.5	275.5	277.1	279.4	284.1	288.8	289.9
35°	1582.8	1418.1	953.6	393.7	268.2	262.7	261.7	261.1	261.7	260.1	260.4
37.5°	1564.2	1378.1	848.5	313.4	254.9	251.5	248.3	244.4	240.0	237.3	237.9
40°	1557.4	1348.3	742.1	270.8	243.9	241.5	235.5	227.2	221.9	220.4	220.4
42.5°	1575.7	1332.9	639.4	249.4	234.7	230.8	220.9	211.2	207.3	207.0	206.8
45°	1631.6	1339.1	541.6	237.6	226.4	218.8	205.7	197.6	195.0	195.5	195.3
47.5°	1732.0	1378.6	458.0	229.8	218.0	208.1	193.4	186.9	183.8	183.8	184.0
50°	1902.7	1470.9	391.3	223.2	210.9	198.1	184.5	176.4	172.3	172.0	172.0
52.5°	2151.3	1636.1	349.7	217.7	203.1	189.3	175.7	165.5	160.5	159.5	158.9
55°	2462.9	1872.9	338.2	214.1	192.6	179.6	164.9	154.7	149.3	146.9	146.6
57.5°	2811.3	2161.0	361.0	209.6	181.9	168.1	153.2	143.5	137.8	134.9	134.6
60°	3164.0	2475.4	453.8	203.4	173.0	155.5	141.2	132.3	126.5	123.4	122.9
62.5°	3517.1	2806.9	643.3	202.8	166.8	143.5	128.9	121.3	115.8	112.4	111.6
65°	3915.5	3169.7	858.7	216.7	164.7	132.5	116.3	110.3	105.6	102.5	102.2
67.5°	4372.9	3579.3	838.0	245.2	171.7	122.6	104.6	99.9	96.5	93.8	93.6
70°	4587.5	3515.3	521.0	265.3	181.7	112.9	93.3	89.9	87.3	85.5	84.7
71°	4497.6	3337.8	436.8	263.0	180.6	108.7	88.9	86.3	83.6	82.1	81.3
72.5°	4252.4	3044.0	364.4	244.7	168.9	101.2	83.1	80.5	78.2	76.3	75.8
75°	3815.9	2718.5	291.7	195.5	134.6	85.5	72.9	70.1	68.2	67.2	66.1
77.5°	2805.1	1940.1	225.6	154.5	99.1	69.8	62.2	60.1	58.3	56.7	55.9
80°	1074.6	751.5	151.9	115.3	72.7	55.2	50.2	49.1	47.3	46.3	46.3
82.5°	289.4	224.5	81.0	69.8	48.6	40.3	38.4	37.9	36.3	34.2	34.5
85°	117.1	99.1	45.5	38.4	29.8	23.8	25.9	26.1	24.3	21.7	22.0
87.5°	51.5	42.1	25.4	17.0	13.1	9.1	11.8	11.8	10.7	8.9	8.1
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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