

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: P386135

Luminaire Tested: **GWC-SA1D-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
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-SL3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7547 lumens
Efficiency: N/A
Efficacy: 112.6 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

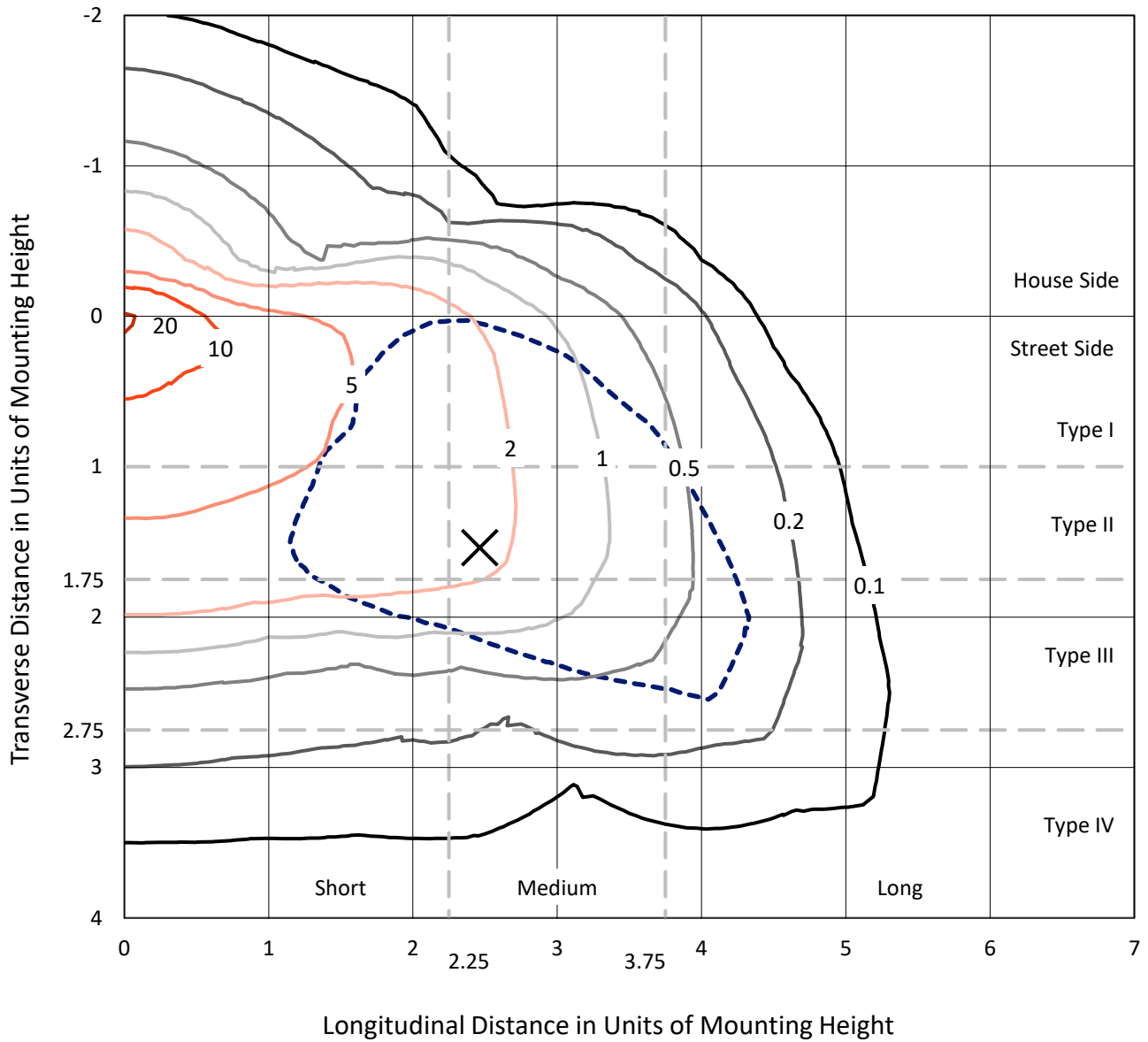
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

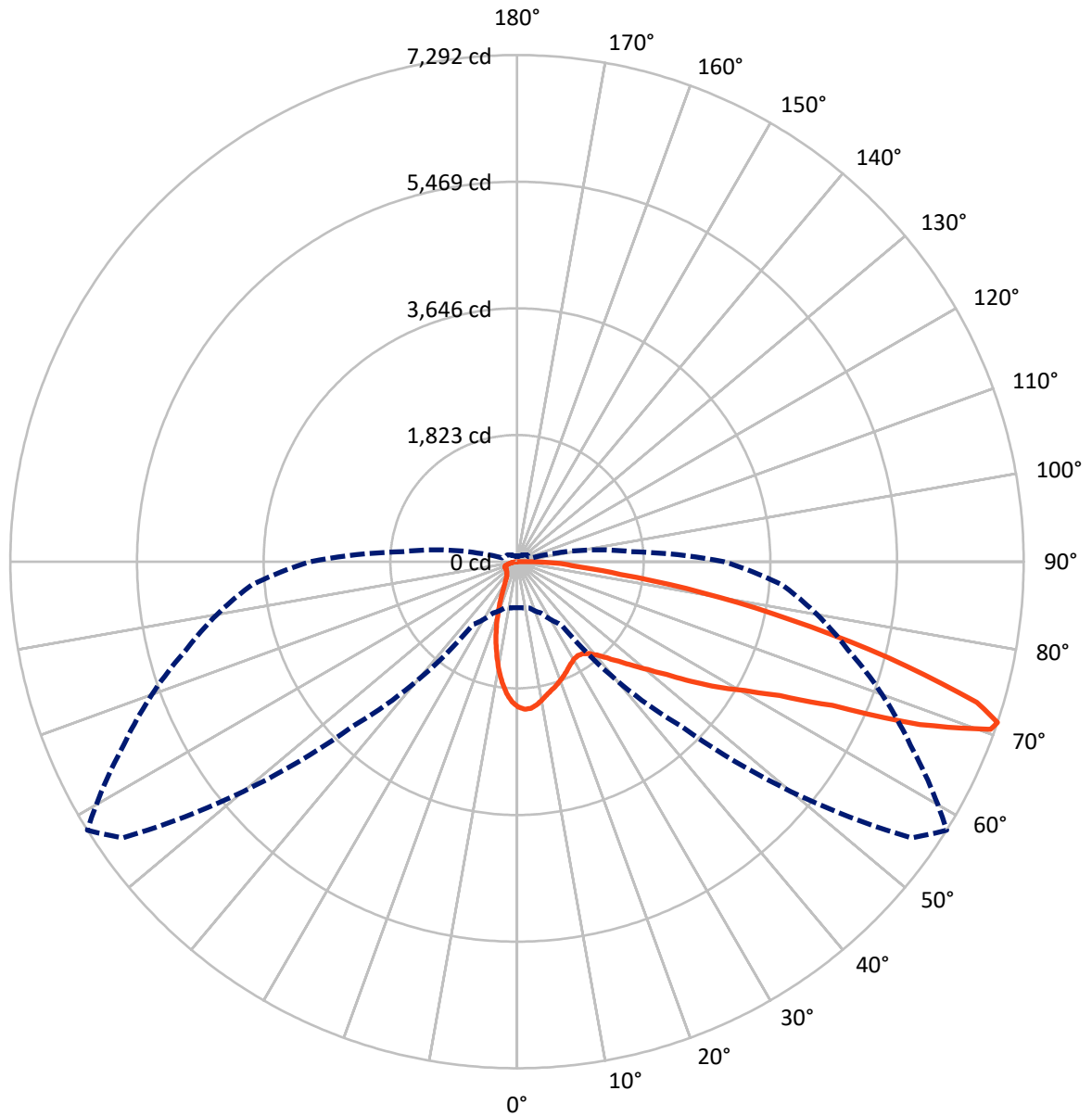
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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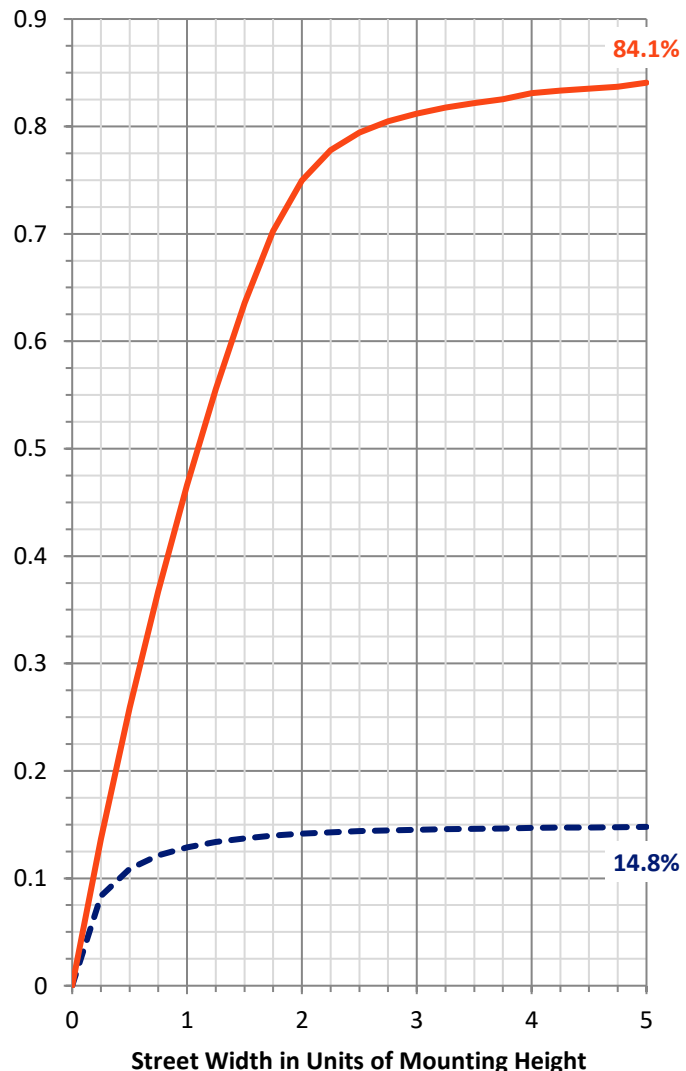
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1128.3	0.0	1128.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6418.7	0.0	6418.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	7547.0	0.0	7547.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	2.4
10°-20°	401.1	5.3
20°-30°	509.8	6.8
30°-40°	649.4	8.6
40°-50°	920.8	12.2
50°-60°	1425.0	18.9
60°-70°	1940.0	25.7
70°-80°	1294.2	17.1
80°-90°	226.3	3.0
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°	7547.0	100.0
0°-180°	7547.0	100.0



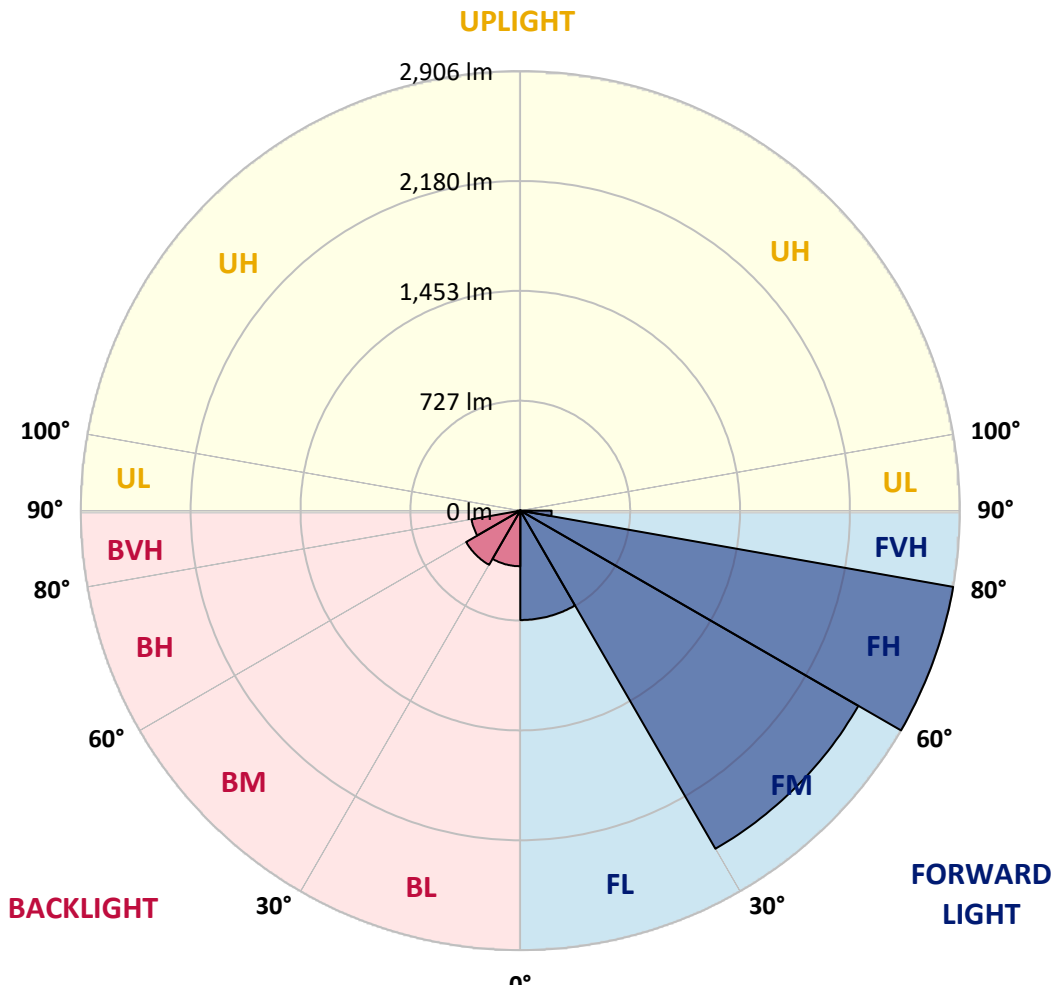
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.5	9.6			
FM (30°-60°)	2581.4	34.2			
FH (60°-80°)	2906.3	38.5			G2/5000
FVH (80°-90°)	207.5	2.7			G2/225
BL (0°-30°)	367.8	4.9	B1/500		
BM (30°-60°)	413.8	5.5	B1/1000		
BH (60°-80°)	327.9	4.3	B1/500		G1/500
BVH (80°-90°)	18.8	0.2			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°	58°	65°	75°	85°
0°	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0
2.5°	2146.5	2143.6	2144.7	2142.5	2137.6	2132.6	2125.2	2126.5	2116.3	2101.0	2082.1
5°	2106.0	2105.0	2112.8	2117.3	2121.0	2118.1	2116.0	2118.6	2103.6	2082.6	2049.7
7.5°	2021.1	2009.5	2019.5	2034.5	2048.7	2059.5	2073.7	2075.5	2066.0	2044.0	2000.9
10°	1900.4	1889.4	1904.1	1927.5	1955.9	1981.7	2010.3	2015.6	2017.4	1997.4	1945.1
12.5°	1775.3	1766.9	1781.6	1814.5	1861.5	1901.2	1947.0	1954.8	1971.1	1957.7	1893.6
15°	1663.3	1660.1	1678.0	1710.4	1764.5	1825.2	1891.2	1905.7	1933.3	1928.8	1853.4
17.5°	1566.6	1565.8	1579.4	1613.4	1673.3	1750.1	1835.8	1860.2	1901.2	1906.5	1820.2
20°	1494.5	1492.9	1502.4	1527.4	1589.2	1676.2	1775.8	1809.5	1868.6	1887.0	1786.1
22.5°	1455.9	1455.6	1455.9	1467.7	1518.2	1599.2	1717.5	1758.5	1836.8	1871.5	1748.2
25°	1449.3	1448.5	1442.7	1441.4	1470.1	1534.7	1659.6	1704.8	1806.6	1860.7	1712.2
27.5°	1466.4	1467.4	1459.8	1447.5	1453.3	1492.4	1609.4	1657.8	1782.4	1858.6	1687.2
30°	1501.9	1501.4	1494.8	1481.9	1470.6	1476.7	1573.7	1622.0	1766.1	1867.8	1670.1
32.5°	1541.1	1544.0	1542.6	1535.5	1518.7	1494.5	1562.9	1610.2	1761.4	1889.9	1662.8
35°	1588.1	1591.3	1600.7	1606.3	1586.5	1547.6	1586.0	1627.0	1775.0	1931.4	1674.6
37.5°	1632.8	1641.0	1667.5	1690.9	1674.1	1630.7	1647.5	1676.7	1817.4	1996.9	1706.4
40°	1684.3	1691.4	1734.8	1784.5	1781.9	1736.9	1746.6	1766.1	1892.0	2090.8	1764.0
42.5°	1735.1	1749.3	1812.1	1882.6	1902.8	1863.1	1878.6	1888.9	1997.2	2215.1	1864.4
45°	1802.6	1817.9	1905.2	1990.1	2037.4	2015.0	2039.8	2043.7	2129.4	2384.4	2010.3
47.5°	1904.9	1922.2	2024.0	2113.1	2185.4	2187.8	2228.5	2226.9	2294.5	2578.2	2194.1
50°	2064.2	2089.2	2172.5	2255.9	2343.7	2392.6	2447.0	2439.4	2492.5	2784.5	2405.7
52.5°	2272.9	2284.5	2346.3	2407.8	2516.9	2626.5	2704.6	2697.8	2717.0	2996.7	2646.0
55°	2489.3	2498.0	2523.5	2557.1	2703.8	2882.6	3047.7	3036.9	2988.3	3217.0	2883.4
57.5°	2683.8	2701.5	2719.1	2733.0	2892.0	3150.2	3398.6	3399.4	3282.7	3454.6	3128.6
60°	2714.1	2729.6	2846.0	2955.9	3214.1	3507.2	3774.3	3766.4	3587.4	3712.5	3402.1
62.5°	2399.1	2434.1	2628.6	2921.0	3524.3	4160.2	4253.6	4243.8	3951.8	4030.4	3720.4
65°	1719.3	1759.0	1993.8	2433.0	3373.9	4879.8	5118.5	4987.5	4448.6	4421.3	4093.2
67.5°	991.9	1001.3	1103.1	1455.9	2569.0	4917.3	6437.9	6254.7	5220.2	4864.8	4275.6
70°	733.5	733.2	757.4	895.9	1390.2	4013.3	7065.4	7229.7	6032.5	5010.7	4017.7
71°	663.3	664.1	691.1	815.5	1101.0	3359.2	6932.1	7291.8	6246.5	4938.6	3831.1
72.5°	567.3	569.9	607.5	731.4	926.2	2316.6	6358.0	6919.5	6348.0	4760.9	3539.0
75°	430.4	436.4	488.4	616.5	846.5	1174.9	4666.3	5525.4	5639.2	4201.0	2629.7
77.5°	307.1	313.9	372.8	518.4	804.7	885.4	3125.0	4030.4	4150.0	2692.3	1186.2
80°	194.0	202.2	246.6	412.5	756.1	840.7	1963.8	2709.1	2263.0	861.5	301.8
82.5°	113.8	120.1	153.0	269.5	617.5	809.7	1155.4	1501.6	880.7	260.3	137.2
85°	66.0	68.9	95.4	171.7	448.5	764.2	848.9	839.4	382.2	127.2	64.9
87.5°	30.8	34.2	56.5	89.6	249.0	553.9	670.9	579.7	237.7	59.7	30.5
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°	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0	2091.0
2.5°	2072.9	2068.4	2049.7	2033.2	2015.8	1993.2	1968.3	1965.1	1949.9	1952.7	1947.5
5°	2031.9	2020.6	1975.6	1934.9	1886.8	1843.6	1796.9	1775.3	1744.3	1742.2	1734.3
7.5°	1973.2	1952.2	1882.6	1805.3	1728.0	1654.4	1581.5	1533.7	1484.8	1464.0	1462.2
10°	1907.3	1871.5	1769.0	1654.6	1543.2	1435.6	1331.5	1254.5	1185.1	1152.2	1150.9
12.5°	1844.7	1791.9	1651.2	1495.6	1343.1	1203.8	1061.0	959.8	872.8	843.6	831.3
15°	1791.6	1717.2	1536.6	1337.6	1152.5	959.0	796.6	690.1	609.6	581.8	576.5
17.5°	1740.1	1644.4	1419.1	1178.0	954.3	741.6	578.9	499.8	456.9	445.6	445.3
20°	1688.8	1569.5	1296.3	1014.8	762.6	554.7	445.1	409.6	395.1	393.8	391.7
22.5°	1630.7	1490.1	1167.2	851.0	595.2	436.1	378.3	364.1	362.3	367.0	367.0
25°	1576.3	1411.2	1036.3	690.6	462.9	363.8	337.8	334.9	339.9	348.3	349.1
27.5°	1525.5	1335.2	908.5	548.1	370.9	320.5	309.7	313.1	322.0	331.8	332.0
30°	1483.7	1263.4	784.5	431.9	313.4	288.1	286.3	293.1	302.8	310.5	312.3
32.5°	1451.4	1202.2	664.6	347.3	275.8	263.9	265.5	271.3	277.3	281.6	284.4
35°	1436.4	1149.6	553.9	292.9	251.8	245.3	247.4	250.5	253.2	256.3	258.7
37.5°	1439.1	1108.9	455.1	258.9	235.8	232.4	232.4	232.4	232.4	234.0	234.2
40°	1463.5	1085.5	374.6	237.4	225.0	221.4	218.5	215.8	213.7	214.8	214.3
42.5°	1526.1	1083.4	315.7	223.7	216.4	210.3	204.5	200.8	198.2	199.3	199.8
45°	1632.3	1109.7	276.0	214.0	208.2	199.0	191.6	187.7	185.9	189.3	189.8
47.5°	1769.8	1167.0	251.8	206.9	200.6	188.5	180.6	176.9	177.5	182.4	183.8
50°	1947.0	1260.0	240.3	202.4	195.3	179.6	171.4	168.2	169.8	176.9	178.5
52.5°	2141.5	1394.1	241.6	201.1	191.9	173.0	164.3	160.6	163.3	169.8	171.1
55°	2366.0	1555.3	263.4	203.0	186.9	168.8	158.5	152.2	154.3	160.4	161.4
57.5°	2615.5	1739.8	307.3	202.4	180.6	164.8	152.5	143.0	144.6	148.3	149.3
60°	2875.2	1962.7	375.4	204.0	177.7	160.1	144.3	132.5	132.0	135.1	135.7
62.5°	3187.0	2220.6	453.2	205.1	179.6	154.1	133.5	122.0	120.4	121.2	121.7
65°	3508.3	2407.3	424.0	200.8	185.3	149.1	124.1	111.7	108.8	108.3	108.6
67.5°	3518.3	2207.2	297.3	192.4	187.7	146.4	117.0	103.1	98.3	96.5	96.2
70°	3155.2	1793.2	231.6	183.5	178.2	142.2	110.4	96.0	88.9	86.0	85.7
71°	2978.0	1650.7	219.5	179.0	171.1	138.0	107.5	92.8	85.4	82.3	81.8
72.5°	2700.1	1479.8	204.8	171.9	157.5	127.2	102.0	88.3	80.7	77.0	76.2
75°	1937.8	967.7	175.9	153.3	130.4	101.5	89.4	79.4	72.8	68.4	67.8
77.5°	746.6	385.1	133.0	127.5	99.9	79.4	73.6	68.6	63.9	59.4	59.2
80°	230.8	172.2	97.0	96.0	72.3	59.2	57.3	56.0	54.2	49.4	48.4
82.5°	123.3	98.8	66.8	62.0	47.3	39.4	41.5	42.1	42.3	37.3	36.8
85°	58.9	52.3	37.6	35.2	27.6	22.1	25.5	27.6	27.9	22.9	21.3
87.5°	28.1	27.3	17.6	13.4	10.3	7.4	8.9	11.0	12.1	8.7	7.6
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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