

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: P386063

Luminaire Tested: **GWC-SA1C-830-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1C-830-U-T3  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6004 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

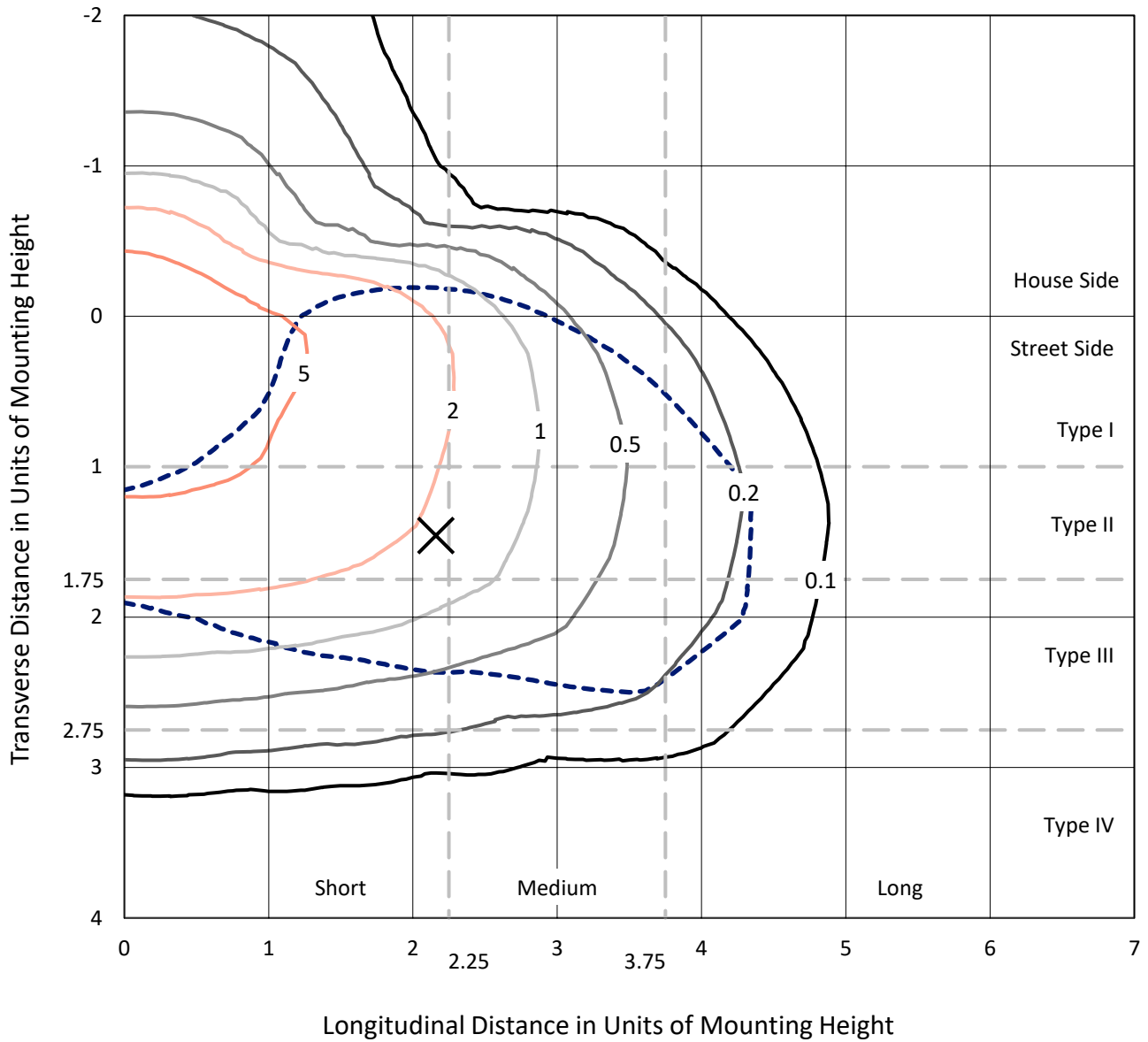
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

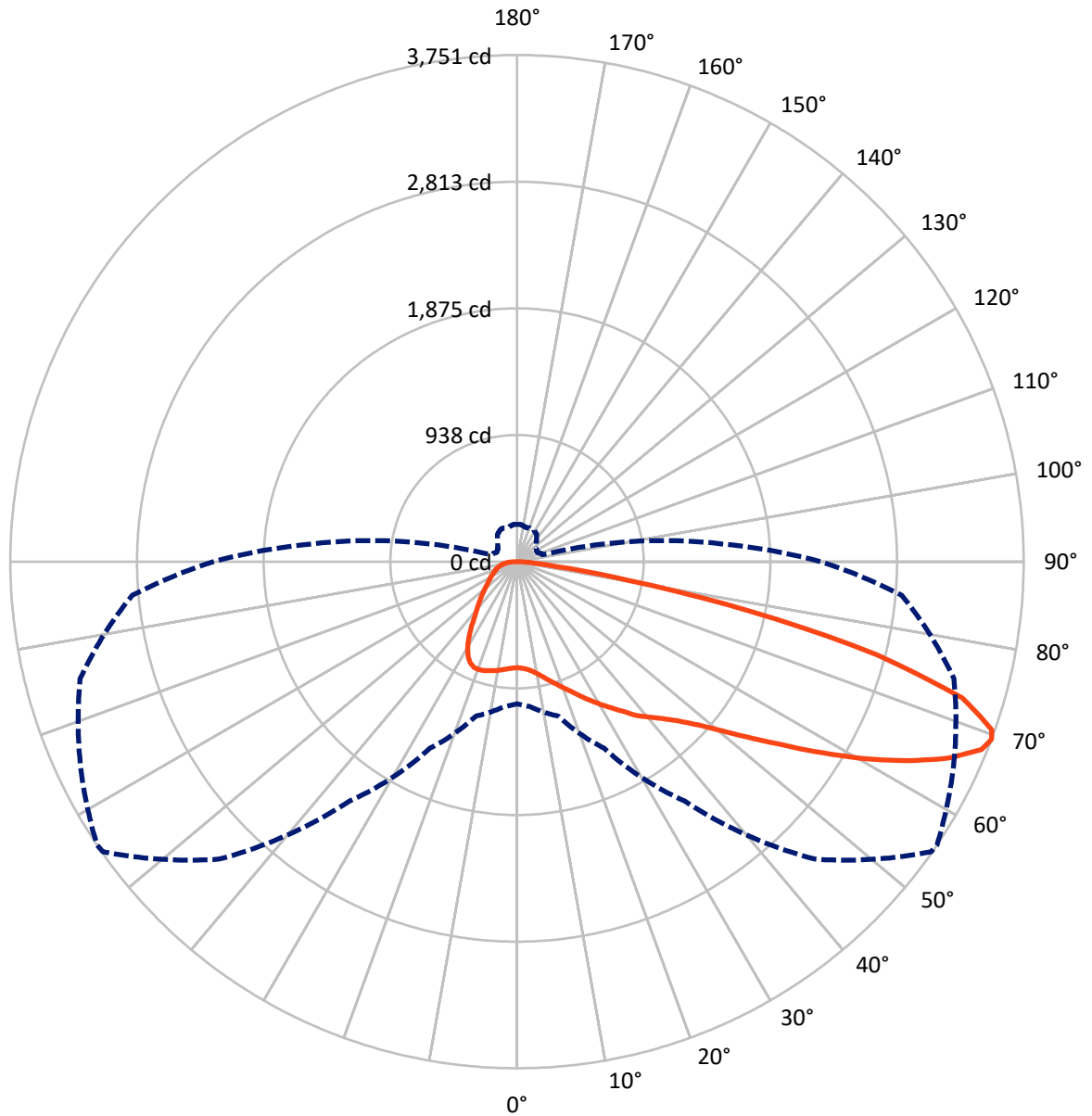
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical



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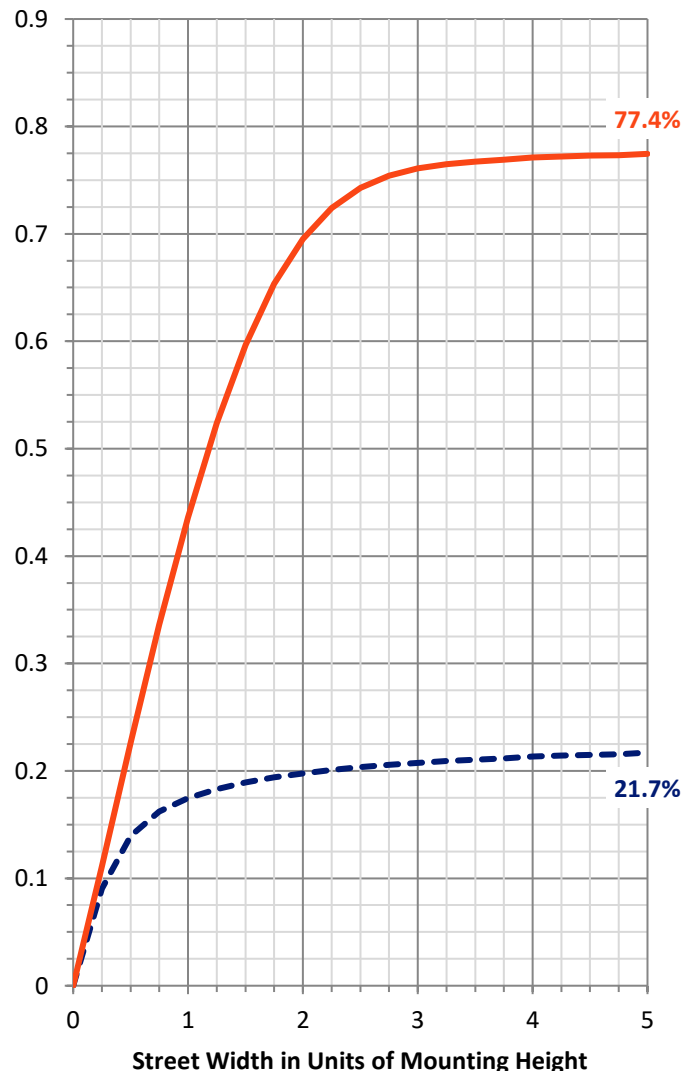
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1337.1	0.0	1337.1
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	4666.9	0.0	4666.9
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	6004.0	0.0	6004.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	1.3
10°-20°	247.9	4.1
20°-30°	432.7	7.2
30°-40°	621.6	10.4
40°-50°	860.3	14.3
50°-60°	1260.4	21.0
60°-70°	1536.7	25.6
70°-80°	849.6	14.2
80°-90°	117.7	2.0
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°	6004.0	100.0
0°-180°	6004.0	100.0



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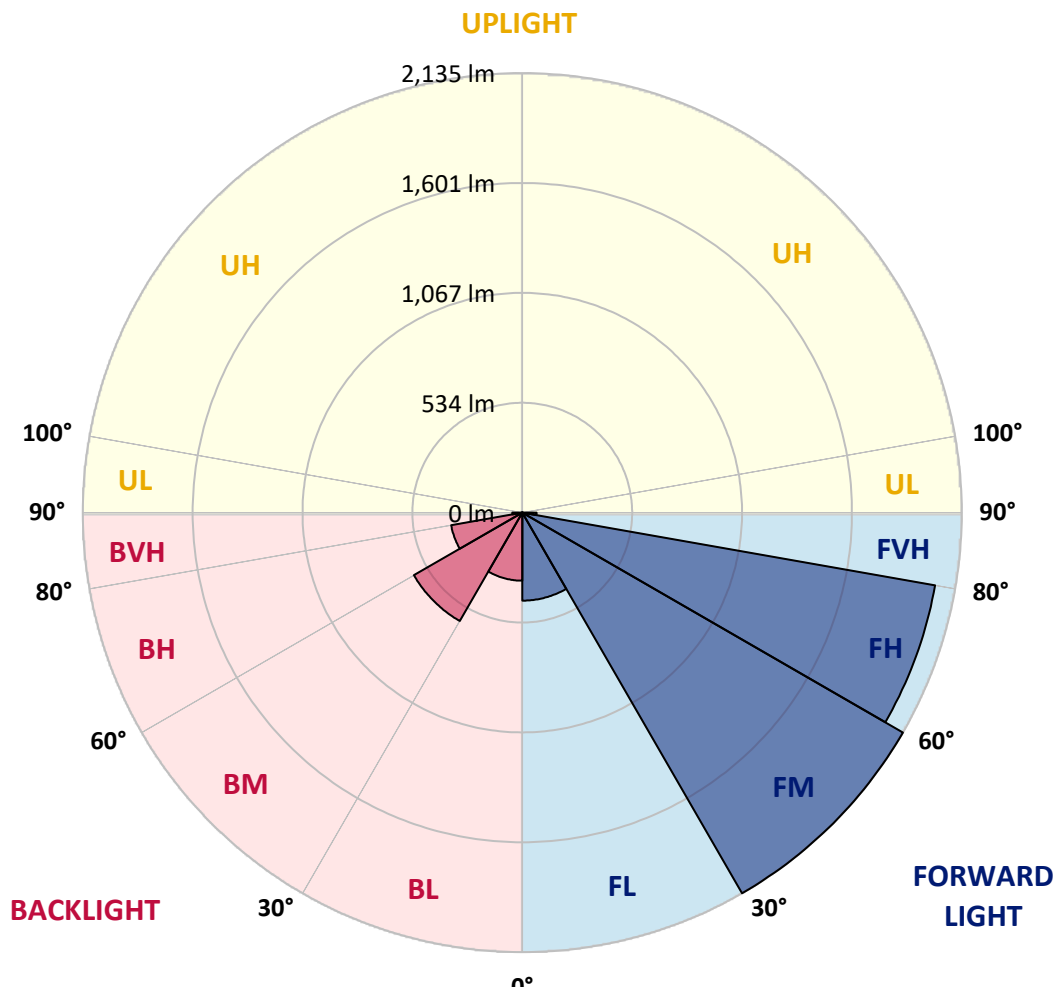
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.3	7.1			
FM (30°-60°)	2134.6	35.6			
FH (60°-80°)	2035.7	33.9			G2/5000
FVH (80°-90°)	69.3	1.2			G1/100
BL (0°-30°)	330.4	5.5	B1/500		
BM (30°-60°)	607.7	10.1	B1/1000		
BH (60°-80°)	350.6	5.8	B1/500		G1/500
BVH (80°-90°)	48.4	0.8			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9
2.5°	789.9	790.7	790.1	791.8	789.9	791.1	790.1	790.1	789.5	787.6	785.6
5°	802.3	804.0	802.9	804.6	802.3	802.7	800.9	800.9	799.0	795.1	790.9
7.5°	821.7	823.6	822.8	824.4	821.3	821.3	818.9	818.6	814.9	808.5	803.8
10°	844.9	847.4	846.6	849.1	846.6	847.4	844.9	844.9	840.0	830.8	824.9
12.5°	878.6	881.7	879.5	879.2	878.2	879.9	877.8	877.4	872.8	860.4	852.2
15°	923.7	927.0	922.3	921.9	916.1	915.4	915.4	914.8	911.9	897.0	883.4
17.5°	975.6	976.7	972.5	965.9	958.5	953.7	953.1	954.7	954.7	937.4	915.7
20°	1026.5	1028.4	1025.1	1017.6	1008.1	1001.1	996.1	999.4	999.2	978.5	947.7
22.5°	1081.9	1086.3	1081.3	1071.8	1060.6	1052.8	1044.1	1047.0	1047.2	1021.8	979.1
25°	1153.7	1149.8	1146.7	1133.2	1117.3	1109.2	1101.2	1104.1	1103.2	1068.3	1011.6
27.5°	1217.2	1218.0	1213.9	1199.6	1181.2	1163.4	1163.0	1164.9	1161.8	1116.7	1042.2
30°	1291.1	1291.5	1285.7	1272.9	1252.8	1229.8	1224.5	1227.6	1220.9	1162.6	1074.5
32.5°	1364.5	1366.5	1360.1	1344.6	1328.5	1300.6	1289.8	1291.9	1275.3	1209.6	1107.8
35°	1428.8	1431.7	1429.6	1419.3	1401.7	1377.7	1364.9	1363.7	1343.2	1267.1	1151.9
37.5°	1494.4	1497.1	1494.8	1486.1	1479.1	1453.6	1446.8	1446.8	1411.2	1325.8	1207.9
40°	1561.8	1565.9	1563.2	1551.3	1545.3	1533.7	1517.3	1513.4	1474.9	1396.3	1299.3
42.5°	1624.5	1629.8	1640.6	1633.6	1621.4	1623.0	1590.1	1588.1	1559.9	1500.6	1414.1
45°	1713.4	1721.3	1739.5	1734.1	1731.6	1722.5	1683.4	1681.6	1670.8	1640.8	1556.6
47.5°	1810.4	1821.2	1854.1	1855.1	1881.8	1864.6	1811.4	1805.0	1807.5	1808.8	1730.6
50°	1899.8	1911.6	1965.5	1991.0	2053.9	2057.6	1972.6	1966.8	1976.5	2005.0	1933.3
52.5°	1971.1	1986.0	2053.4	2132.0	2239.8	2270.4	2170.9	2166.6	2173.8	2223.0	2162.4
55°	2023.5	2039.6	2113.0	2256.1	2428.2	2482.2	2399.3	2395.1	2399.7	2462.4	2411.7
57.5°	2035.7	2039.6	2146.1	2339.7	2587.3	2717.0	2678.7	2670.4	2648.1	2702.7	2686.8
60°	1978.4	1994.1	2118.8	2369.1	2710.3	2948.4	2970.7	2960.4	2897.7	2942.4	2929.6
62.5°	1862.1	1890.3	2016.8	2324.4	2758.5	3137.5	3257.2	3244.8	3136.8	3165.8	3104.2
65°	1672.2	1684.2	1817.2	2170.3	2697.3	3258.5	3512.7	3506.4	3370.6	3325.3	3136.4
67.5°	1332.6	1355.2	1468.1	1848.3	2446.8	3244.2	3710.2	3709.6	3523.2	3384.4	3022.0
69°	1052.8	1076.2	1183.7	1522.5	2165.1	3113.7	3743.3	3750.5	3566.2	3348.4	2858.6
70°	839.3	866.4	940.3	1282.4	1915.1	2941.6	3715.8	3728.8	3557.9	3289.1	2707.9
72.5°	357.2	379.1	431.7	661.0	1167.2	2196.6	3397.4	3446.7	3366.2	3010.3	2237.9
75°	156.0	162.8	186.6	269.5	518.1	1195.5	2661.5	2752.5	2878.3	2544.5	1667.1
77.5°	114.2	117.1	130.1	158.2	232.5	451.5	1711.5	1764.5	2075.8	1851.6	1022.6
80°	88.3	90.4	100.5	116.2	151.8	182.6	780.6	826.1	1167.2	951.0	425.9
82.5°	70.3	71.8	78.8	85.6	104.9	110.7	259.2	287.5	430.8	262.7	112.7
85°	65.4	67.0	69.5	62.5	67.2	64.9	112.1	117.3	130.1	103.2	47.2
87.5°	29.6	35.0	68.9	48.6	35.8	28.5	45.9	48.0	54.0	54.2	20.9
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°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9
2.5°	786.8	786.2	787.2	784.7	787.8	787.6	786.6	787.0	789.1	788.9	789.1
5°	791.6	791.1	792.4	790.5	794.2	795.5	795.7	797.5	799.8	800.4	800.4
7.5°	803.5	803.5	804.2	801.7	804.2	804.0	802.9	804.8	807.1	807.3	807.1
10°	824.2	824.4	823.4	817.0	814.9	809.3	804.2	804.4	807.3	809.5	810.2
12.5°	850.3	849.5	844.9	833.1	824.4	813.1	807.7	807.5	810.4	812.2	812.9
15°	880.1	877.8	866.0	846.8	831.5	820.3	811.6	809.5	807.9	805.8	806.0
17.5°	908.2	903.0	883.4	856.7	840.6	825.7	808.9	795.5	786.2	780.8	779.1
20°	936.7	926.6	898.3	866.0	845.5	818.4	786.2	758.9	741.9	734.1	732.6
22.5°	962.8	946.5	912.1	875.7	841.6	794.0	743.4	703.6	680.1	669.5	670.3
25°	988.2	965.5	926.6	882.6	821.7	751.0	683.8	635.0	607.7	595.9	595.5
27.5°	1010.6	984.7	942.3	877.0	784.7	689.8	613.3	565.7	542.9	532.8	531.1
30°	1036.2	1008.9	963.2	855.7	730.5	619.1	544.4	510.9	494.7	484.6	482.7
32.5°	1067.5	1041.8	980.4	817.0	661.2	545.2	490.6	467.2	452.6	441.2	439.1
35°	1113.0	1085.3	984.7	761.6	585.1	486.9	451.1	427.1	407.3	392.6	391.1
37.5°	1170.1	1139.7	974.8	689.8	511.3	449.0	418.2	388.6	362.8	342.1	338.8
40°	1252.4	1206.5	947.3	607.1	456.9	419.9	386.2	352.4	320.4	296.2	291.4
42.5°	1351.2	1284.8	905.1	524.7	417.0	390.3	354.3	312.5	281.9	264.7	262.3
45°	1477.0	1366.3	846.6	452.8	377.7	360.7	320.0	281.5	262.5	249.9	247.8
47.5°	1620.5	1457.8	785.1	394.2	344.4	333.0	292.5	267.6	252.5	242.6	240.8
50°	1797.0	1561.0	720.0	346.2	310.9	299.7	279.4	260.0	248.0	240.3	238.5
52.5°	1995.9	1677.4	673.0	308.4	283.2	275.1	272.6	255.9	246.1	240.3	238.5
55°	2210.2	1795.9	622.4	276.5	259.2	261.4	268.1	256.3	249.6	242.6	239.9
57.5°	2424.7	1918.4	565.9	249.6	240.1	251.3	265.0	257.1	251.5	244.7	242.2
60°	2594.3	1995.9	478.4	227.1	225.0	240.1	257.5	250.9	243.6	243.9	243.4
62.5°	2673.5	1991.8	381.8	207.0	209.9	225.0	245.5	241.2	235.2	243.2	243.9
65°	2629.1	1892.5	297.2	188.8	193.8	209.3	233.1	236.4	238.5	254.0	256.1
67.5°	2442.5	1699.3	230.2	172.9	179.1	198.6	234.3	257.5	260.2	276.5	276.3
69°	2249.5	1518.2	200.0	164.6	171.9	201.2	250.5	271.0	260.8	278.2	275.7
70°	2087.8	1374.8	183.9	159.1	168.6	206.0	261.2	270.7	257.7	272.6	268.5
72.5°	1607.9	989.1	156.0	148.7	157.4	197.1	264.3	264.7	250.5	253.4	246.3
75°	1102.8	625.1	136.1	134.6	140.4	177.7	254.4	253.0	231.7	227.5	221.7
77.5°	608.1	317.5	115.6	121.2	125.1	157.4	231.2	229.2	211.6	202.9	200.8
80°	234.5	139.0	97.6	107.8	110.2	136.3	202.7	200.8	186.2	175.0	171.9
82.5°	88.5	72.8	80.7	93.3	92.5	112.5	171.7	170.6	156.4	140.0	135.1
85°	41.0	43.6	63.9	76.9	70.9	83.4	137.3	139.2	121.8	102.4	102.4
87.5°	17.4	24.4	45.3	58.1	47.8	56.3	100.7	96.2	88.3	61.2	57.5
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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