

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636210

Luminaire Tested: GWS-SA3F-735-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24557.2 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

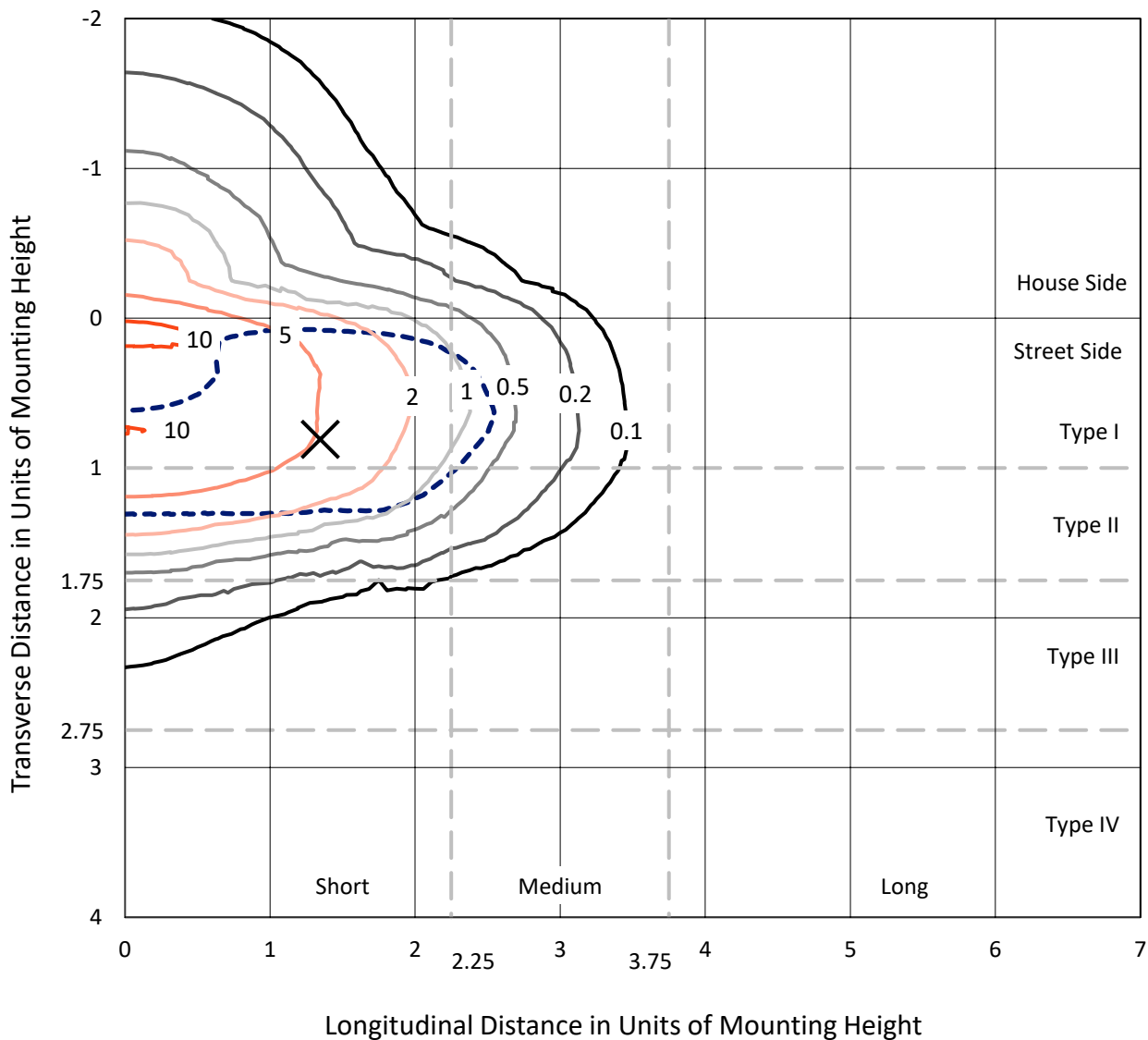
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

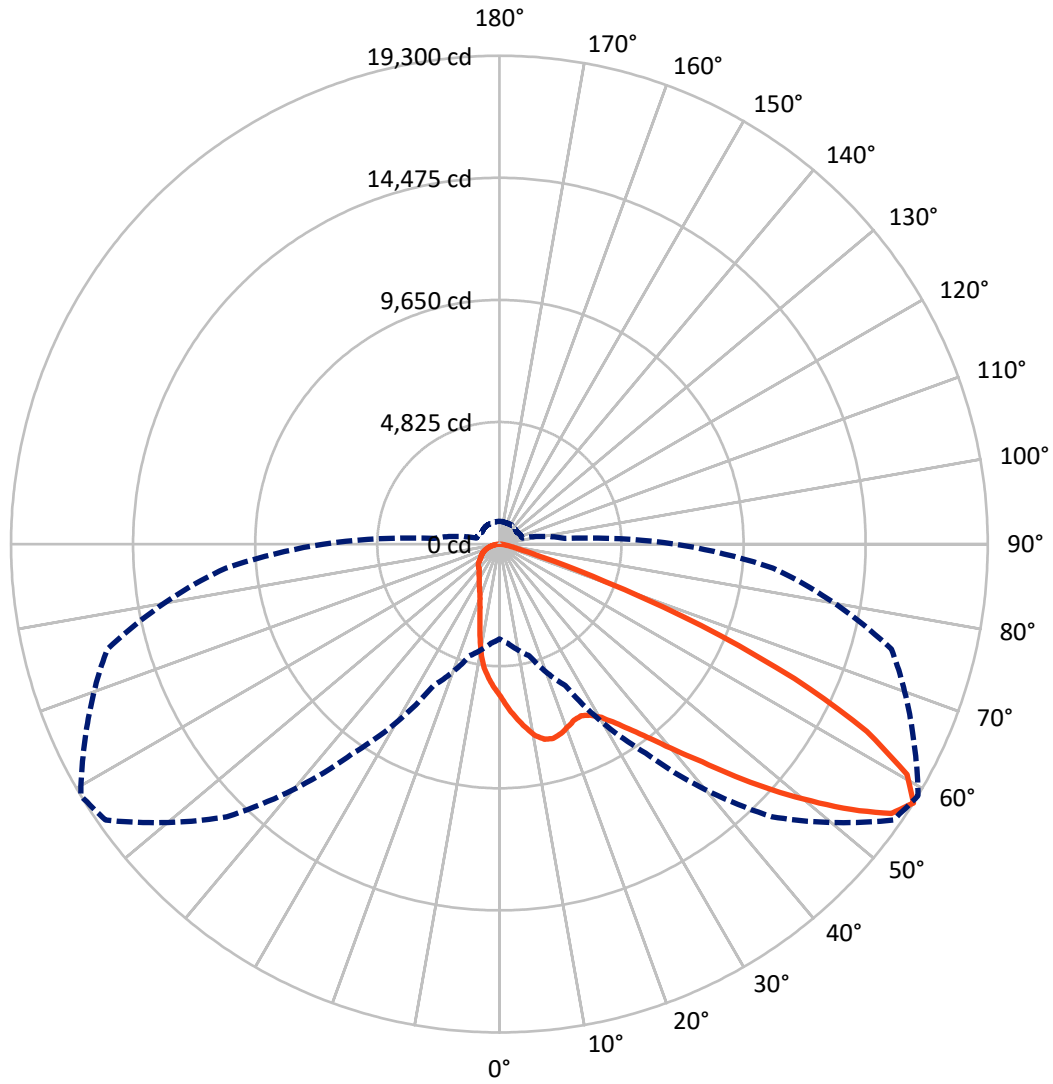
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA3F-735-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3811.2	0.0	3811.2
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	20746.0	0.0	20746.0
	% Fixture	84.5	0.0	84.5
Total	Lumens	24557.2	0.0	24557.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	2.3
10°-20°	1418.4	5.8
20°-30°	2299.2	9.4
30°-40°	3698.6	15.1
40°-50°	5743.5	23.4
50°-60°	6186.5	25.2
60°-70°	3590.4	14.6
70°-80°	937.3	3.8
80°-90°	123.5	0.5
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°	24557.2	100.0
0°-180°	24557.2	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3
2.5°	6837.4	6780.3	6820.1	6749.2	6719.8	6642.0	6541.8	6474.3	6370.6	6235.8	6118.2
5°	7516.8	7477.0	7485.7	7409.6	7342.2	7212.5	7006.8	6892.7	6716.4	6444.9	6192.5
7.5°	7496.0	7542.7	7568.7	7634.4	7653.4	7641.3	7456.3	7297.2	7103.6	6695.6	6315.3
10°	6719.8	6808.0	6887.5	7112.3	7385.4	7731.2	7774.4	7679.3	7483.9	7015.4	6462.2
12.5°	5874.4	5941.9	6012.7	6282.4	6700.8	7392.3	7860.8	7919.6	7841.8	7331.8	6628.2
15°	5459.5	5490.6	5558.1	5736.1	6069.8	6837.4	7710.4	7968.0	8108.0	7667.2	6814.9
17.5°	5442.2	5456.1	5488.9	5584.0	5815.7	6408.6	7439.0	7871.2	8317.2	8021.6	7032.7
20°	5800.1	5763.8	5743.1	5741.3	5855.4	6265.1	7176.2	7715.6	8415.8	8384.6	7266.1
22.5°	6296.3	6308.4	6263.4	6152.8	6138.9	6367.1	7044.8	7558.3	8445.2	8706.2	7482.2
25°	6999.9	7060.4	6927.3	6716.4	6612.6	6662.8	7126.1	7509.9	8441.7	8974.2	7617.1
27.5°	7821.1	7867.7	7732.9	7456.3	7241.9	7120.9	7368.1	7653.4	8471.1	9205.8	7698.3
30°	8756.3	8771.9	8586.9	8296.5	7983.6	7724.2	7770.9	7949.0	8621.5	9510.1	7793.4
32.5°	9899.1	9964.8	9684.7	9224.8	8787.5	8455.5	8312.0	8426.1	8946.5	9869.7	7940.3
35°	11349.5	11372.0	11015.9	10357.2	9738.3	9278.4	8977.6	9038.1	9440.9	10372.8	8161.6
37.5°	12717.0	12739.5	12360.9	11748.9	10863.7	10234.5	9798.8	9771.1	10073.7	11083.3	8523.0
40°	13584.9	13648.8	13479.4	13095.6	12250.2	11401.4	10810.1	10715.1	10903.5	11952.9	9026.0
42.5°	14051.6	14079.3	14075.8	14126.0	13622.9	12779.2	11951.1	11761.0	11887.2	12891.6	9534.3
45°	14055.1	14124.2	14309.2	14791.6	14814.0	14288.5	13393.0	13095.6	12979.8	13837.3	10065.0
47.5°	13425.8	13500.1	14008.4	14957.5	15657.7	15777.0	15120.0	14523.6	14036.1	14651.5	10500.7
50°	11520.7	11707.4	12675.5	14354.2	15823.6	16969.8	16767.6	15958.5	14974.8	15280.8	10773.8
52.5°	9866.2	9859.3	10455.7	12649.6	15130.4	17495.4	18361.5	17434.9	15903.2	15680.2	10843.0
55°	7224.6	7264.4	7874.7	9674.3	13280.6	16987.1	19238.0	18793.7	16968.1	15892.8	10815.3
57.5°	3746.3	3943.4	4569.2	6173.5	10091.0	15237.6	19004.6	19300.2	18050.3	16043.2	10851.6
60°	1893.0	1855.0	2079.7	2947.6	5846.8	11901.0	17566.3	18508.5	18245.7	16160.8	10874.1
62.5°	1263.7	1253.4	1191.1	1365.7	2389.2	7048.3	14974.8	16295.6	16888.6	15884.2	10587.1
65°	1094.3	1073.6	959.5	952.6	1160.0	2923.4	10976.1	12810.4	13958.3	14655.0	9900.8
67.5°	985.4	954.3	838.5	781.4	833.3	1284.5	6185.6	8592.1	10307.1	12393.7	8396.7
70°	880.0	864.4	748.6	665.6	660.4	783.1	2278.5	4434.4	6306.6	8455.5	6138.9
72.5°	788.3	760.7	662.1	582.6	542.8	554.9	988.9	1708.0	3264.0	5274.5	3672.0
75°	682.9	662.1	575.7	496.2	447.8	406.3	603.3	790.1	1488.5	2506.8	1734.0
77.5°	527.3	513.5	454.7	394.2	366.5	302.5	366.5	497.9	688.1	1056.3	902.4
80°	306.0	314.6	338.8	307.7	269.7	216.1	238.6	287.0	413.2	572.2	511.7
82.5°	153.9	164.2	219.6	178.1	160.8	126.2	141.8	169.4	216.1	316.4	200.5
85°	12.1	12.1	39.8	44.9	55.3	44.9	57.1	69.2	98.5	126.2	67.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	8.6	15.6	29.4	19.0
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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 CATALOG NUMBER: GWS-SA3F-735-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3	6028.3
2.5°	6038.7	5950.5	5845.0	5758.6	5625.5	5554.6	5464.7	5354.1	5309.1	5288.4	5276.3
5°	6050.8	5895.2	5670.4	5463.0	5233.1	5051.5	4849.3	4638.4	4517.3	4487.9	4467.2
7.5°	6095.7	5877.9	5520.0	5177.7	4750.7	4354.8	3969.3	3587.2	3391.9	3317.6	3310.6
10°	6158.0	5871.0	5367.9	4799.1	4078.2	3452.4	3001.2	2702.1	2575.9	2534.4	2520.6
12.5°	6235.8	5865.8	5167.4	4273.6	3302.0	2710.7	2453.2	2404.8	2422.0	2418.6	2418.6
15°	6334.3	5872.7	4925.3	3678.9	2671.0	2352.9	2358.1	2415.1	2468.7	2477.4	2477.4
17.5°	6441.5	5865.8	4574.4	3082.4	2292.4	2268.2	2347.7	2427.2	2475.6	2482.5	2482.5
20°	6557.3	5832.9	4131.8	2520.6	2126.4	2214.6	2301.0	2363.3	2392.6	2399.6	2399.6
22.5°	6626.5	5739.6	3651.2	2133.3	2021.0	2129.9	2186.9	2250.9	2254.3	2199.0	2197.3
25°	6616.1	5565.0	3103.2	1884.4	1908.6	2003.7	2076.3	2031.3	1976.0	1944.9	1939.7
27.5°	6550.4	5302.2	2544.8	1695.9	1775.5	1882.7	1860.2	1822.1	1808.3	1773.7	1770.3
30°	6467.4	4978.9	2043.4	1549.0	1637.2	1735.7	1701.1	1697.7	1683.8	1645.8	1645.8
32.5°	6387.9	4645.3	1664.8	1440.1	1549.0	1555.9	1604.3	1607.8	1600.9	1535.2	1528.3
35°	6365.4	4311.6	1409.0	1353.6	1462.6	1459.1	1528.3	1526.5	1407.2	1315.6	1313.9
37.5°	6432.8	3972.8	1256.8	1282.8	1343.3	1388.2	1443.5	1343.3	1303.5	1248.2	1244.7
40°	6576.3	3659.9	1179.0	1241.3	1267.2	1332.9	1246.5	1253.4	1243.0	1201.5	1196.3
42.5°	6766.5	3393.6	1135.8	1227.4	1224.0	1241.3	1146.2	1173.9	1189.4	1158.3	1153.1
45°	6949.7	3162.0	1113.3	1175.6	1192.9	1092.6	1073.6	1099.5	1123.7	1111.6	1106.4
47.5°	7084.6	2961.4	1101.2	1104.7	1153.1	1042.5	1011.3	1023.4	1052.8	1058.0	1056.3
50°	7126.1	2790.3	1087.4	1045.9	1035.5	992.3	968.1	964.7	999.2	1023.4	1026.9
52.5°	7046.6	2638.1	1051.1	994.1	943.9	950.8	942.2	924.9	959.5	992.3	995.8
55°	6929.0	2551.7	994.1	943.9	885.1	912.8	916.3	900.7	923.2	945.6	945.6
57.5°	6937.6	2601.8	938.7	897.2	833.3	869.6	888.6	881.7	881.7	899.0	900.7
60°	6994.7	2674.4	902.4	838.5	781.4	819.4	862.7	855.8	840.2	862.7	862.7
62.5°	6830.5	2577.6	878.2	781.4	726.1	771.0	822.9	819.4	802.2	838.5	841.9
65°	6346.4	2318.3	850.6	710.5	670.8	722.6	767.6	779.7	764.1	812.5	821.2
67.5°	5319.5	1950.1	797.0	643.1	615.5	663.9	707.1	724.4	712.3	769.3	776.2
70°	3965.9	1578.4	712.3	568.8	548.0	591.2	631.0	637.9	639.7	707.1	714.0
72.5°	2529.2	1227.4	599.9	485.8	470.2	503.1	532.5	560.1	572.2	636.2	634.5
75°	1410.7	912.8	482.3	411.5	383.8	409.7	444.3	477.1	511.7	605.1	615.5
77.5°	812.5	641.4	382.1	330.2	297.4	325.0	354.4	401.1	504.8	586.1	575.7
80°	458.1	416.6	288.7	242.0	221.3	242.0	264.5	352.7	397.6	432.2	437.4
82.5°	214.4	233.4	197.1	148.7	148.7	162.5	183.3	273.1	300.8	245.5	214.4
85°	77.8	105.5	96.8	76.1	67.4	65.7	114.1	155.6	96.8	86.4	74.3
87.5°	20.7	29.4	27.7	19.0	10.4	8.6	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)