

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: P630757

Luminaire Tested: GWS-SA1E-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6775.4 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 58.4
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

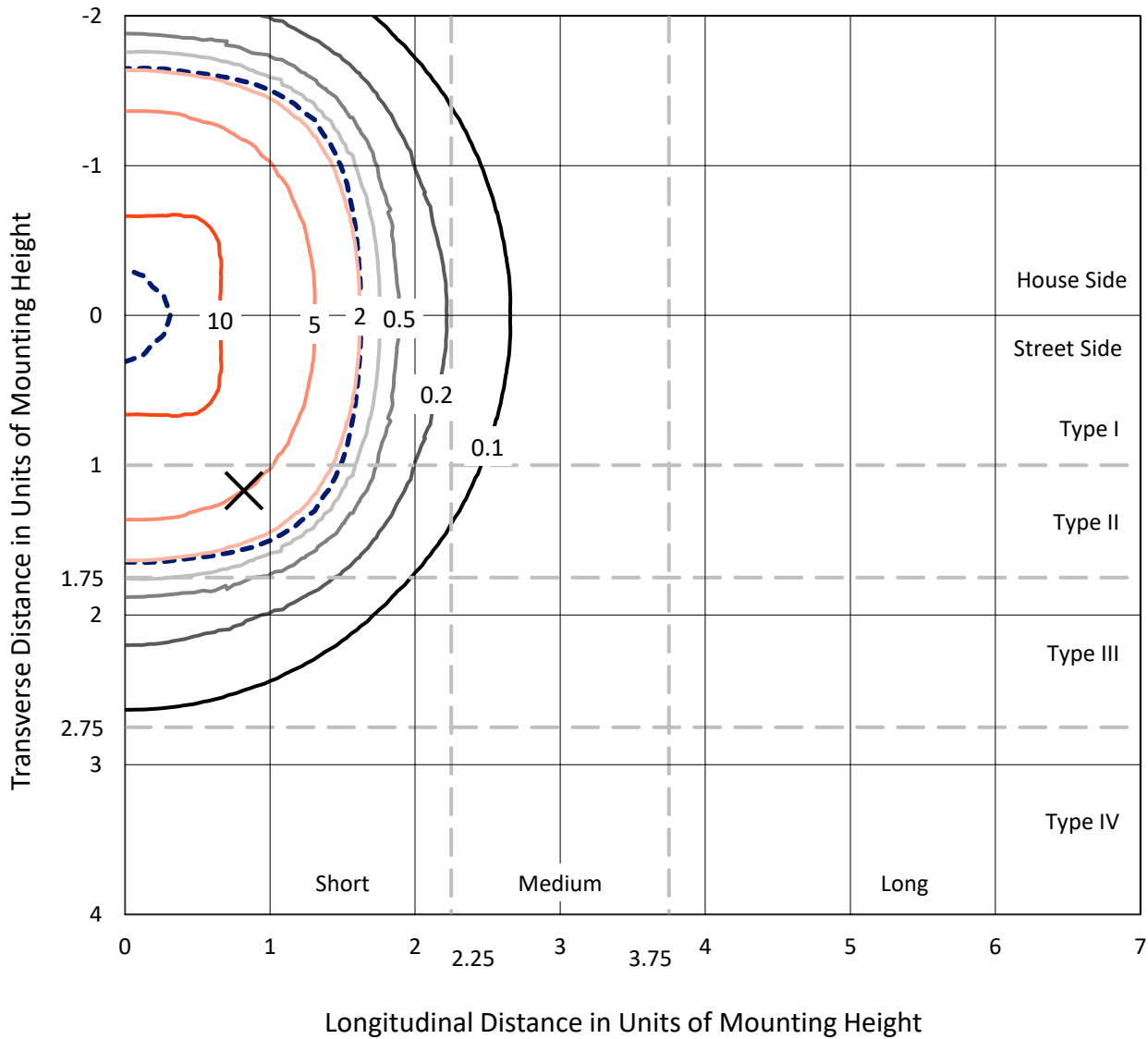


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Iso-Footcandle Lines of Horizontal Illumination

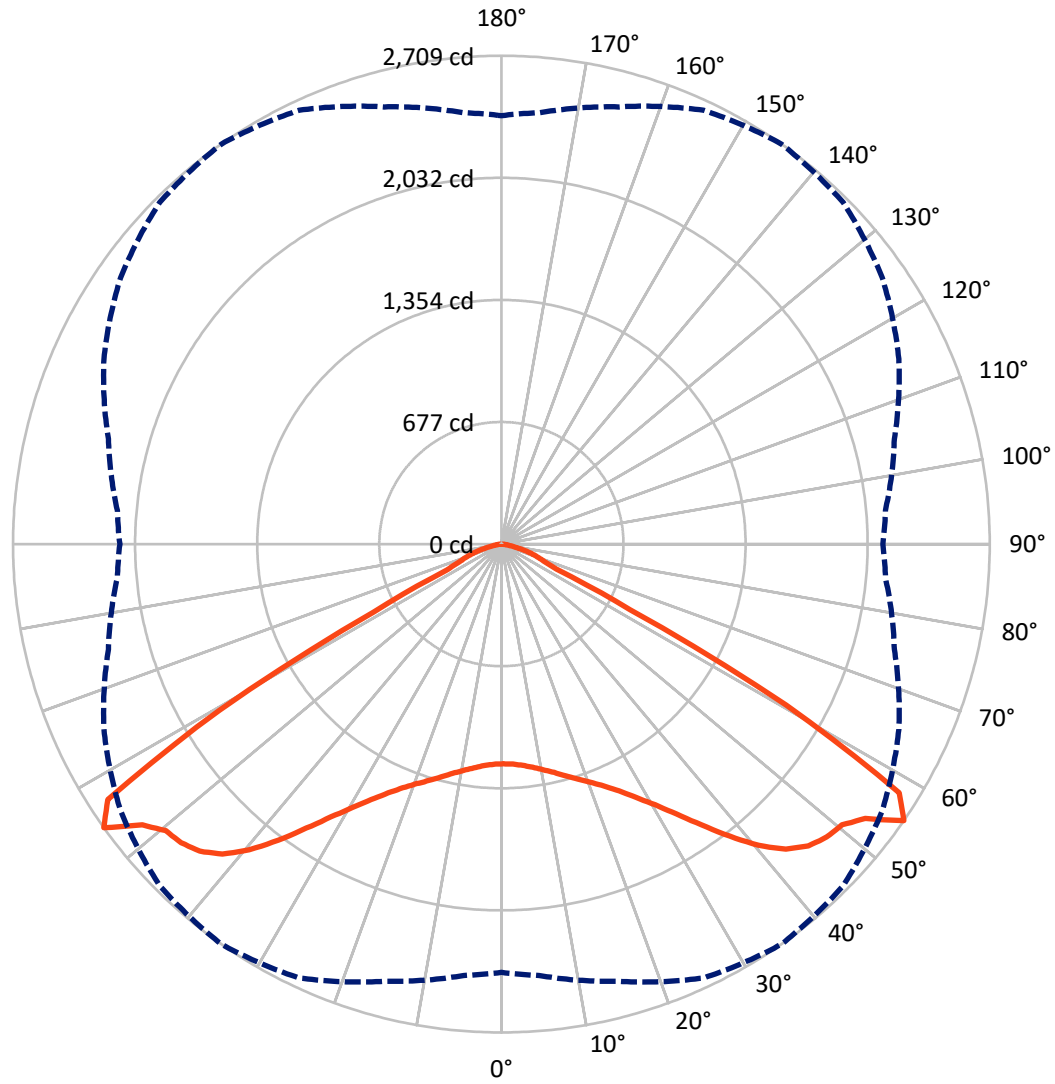
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3387.7	0.0	3387.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3387.7	0.0	3387.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6775.4	0.0	6775.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.8
10°-20°	378.5	5.6
20°-30°	700.6	10.3
30°-40°	1171.9	17.3
40°-50°	1785.8	26.4
50°-60°	2000.4	29.5
60°-70°	473.3	7.0
70°-80°	127.6	1.9
80°-90°	18.4	0.3
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°	6775.4	100.0
0°-180°	6775.4	100.0

Coefficient of Utilization



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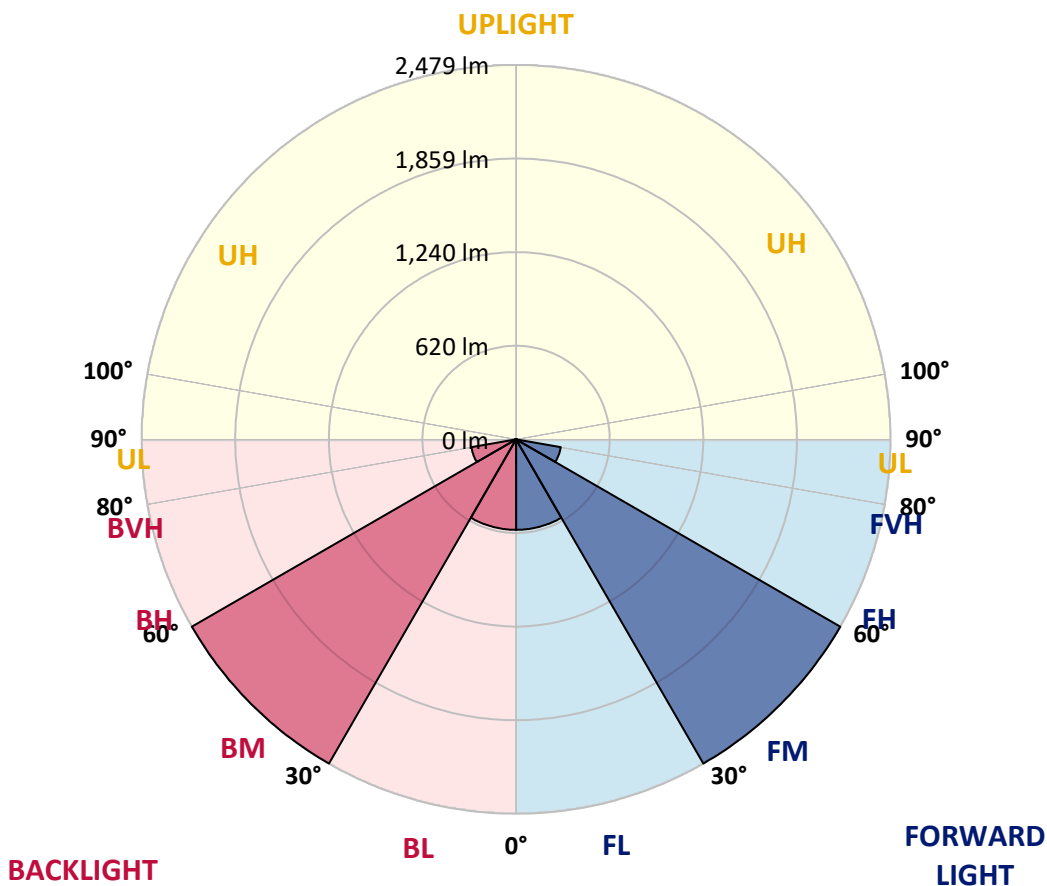
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.0	8.8			
FM (30°-60°)	2479.1	36.6			
FH (60°-80°)	300.5	4.4			G0/660
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	599.0	8.8	B2/1000		
BM (30°-60°)	2479.1	36.6	B2/2500		
BH (60°-80°)	300.5	4.4	B1/500		G0/660
BVH (80°-90°)	9.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1216.2	1216.2	1218.4	1221.1	1221.6	1226.9	1225.9	1223.7	1222.7	1220.5	1225.3
5°	1229.6	1230.2	1231.8	1233.4	1232.3	1236.6	1235.0	1232.3	1230.7	1228.0	1232.8
7.5°	1247.3	1247.3	1248.9	1251.1	1250.0	1256.4	1253.2	1249.5	1246.8	1243.6	1247.8
10°	1263.4	1264.5	1266.1	1270.3	1272.5	1279.5	1277.3	1272.0	1267.7	1263.9	1268.7
12.5°	1287.5	1288.6	1290.2	1296.1	1299.8	1306.8	1303.6	1296.1	1289.6	1284.3	1289.6
15°	1318.6	1317.5	1321.8	1329.3	1334.1	1340.5	1336.8	1323.9	1315.4	1308.4	1313.7
17.5°	1350.2	1349.6	1353.9	1363.6	1370.5	1379.1	1372.7	1357.7	1348.6	1340.0	1345.4
20°	1384.5	1386.1	1390.4	1399.5	1409.7	1420.9	1415.5	1399.5	1389.3	1379.6	1383.9
22.5°	1426.8	1427.3	1432.2	1443.9	1457.3	1468.1	1464.8	1445.0	1432.2	1422.0	1427.3
25°	1477.7	1477.2	1483.6	1497.5	1516.3	1527.0	1520.0	1498.1	1484.1	1472.3	1476.6
27.5°	1536.1	1535.6	1545.2	1563.4	1590.2	1605.2	1590.7	1563.4	1544.1	1527.5	1531.3
30°	1609.5	1607.9	1618.6	1643.3	1678.1	1703.3	1681.8	1643.8	1618.6	1600.9	1604.7
32.5°	1690.9	1693.1	1706.5	1739.7	1783.6	1816.3	1784.2	1741.8	1708.1	1682.4	1686.7
35°	1780.4	1780.4	1807.7	1849.0	1911.7	1955.1	1905.3	1844.2	1799.2	1763.8	1764.9
37.5°	1880.1	1881.1	1917.0	1973.8	2055.8	2106.7	2039.2	1963.7	1909.0	1871.0	1868.8
40°	2001.7	2004.9	2041.9	2105.1	2197.3	2243.9	2171.5	2097.6	2041.9	1996.9	1992.6
42.5°	2138.9	2139.9	2179.0	2235.8	2313.5	2341.4	2284.6	2224.0	2178.5	2137.8	2133.5
45°	2269.6	2266.9	2300.7	2343.0	2388.0	2390.7	2359.1	2334.4	2294.8	2259.9	2253.5
47.5°	2371.4	2369.2	2399.8	2422.8	2428.2	2401.9	2412.1	2415.9	2369.8	2322.6	2310.3
50°	2433.5	2437.8	2466.8	2479.6	2448.0	2405.1	2443.7	2434.1	2368.2	2306.6	2286.7
52.5°	2471.0	2477.5	2527.8	2560.5	2527.8	2487.1	2492.5	2435.7	2340.8	2259.4	2233.7
55°	2376.2	2401.9	2510.7	2655.4	2708.9	2680.5	2578.7	2432.5	2256.7	2138.3	2116.4
57.5°	1761.1	1801.8	1963.1	2276.6	2602.3	2705.7	2408.4	2039.2	1772.9	1620.8	1607.9
60°	899.0	944.6	1073.7	1395.7	1814.7	1960.4	1677.5	1305.7	1037.8	914.6	900.7
62.5°	367.0	374.5	416.8	541.1	802.1	925.3	812.8	570.6	428.6	394.9	395.4
65°	288.8	290.4	288.3	295.8	335.9	372.9	344.5	302.7	295.2	299.0	296.3
67.5°	251.8	252.4	250.7	250.7	252.4	250.7	254.0	255.6	256.6	260.9	258.2
70°	210.6	211.1	211.1	212.2	211.6	209.0	213.8	215.9	216.5	219.1	217.5
72.5°	162.9	164.5	165.6	166.1	165.6	164.0	166.6	170.4	169.8	172.5	169.8
75°	110.4	112.5	113.6	115.7	115.2	115.2	118.4	120.0	118.4	120.6	118.4
77.5°	62.7	64.3	67.5	69.7	71.8	73.4	75.5	76.6	76.1	77.2	76.1
80°	36.4	37.0	39.6	40.7	43.4	46.1	48.2	49.3	49.8	50.4	49.8
82.5°	20.9	21.4	22.5	23.6	25.7	27.9	30.0	31.6	31.6	32.1	31.6
85°	10.2	10.2	10.7	11.3	12.3	13.9	15.5	17.1	17.7	17.7	17.7
87.5°	1.6	1.6	2.1	2.1	2.7	3.2	4.3	5.4	5.9	5.9	5.9
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)