

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: P630809

Luminaire Tested: GWS-SA1E-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6634.8 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

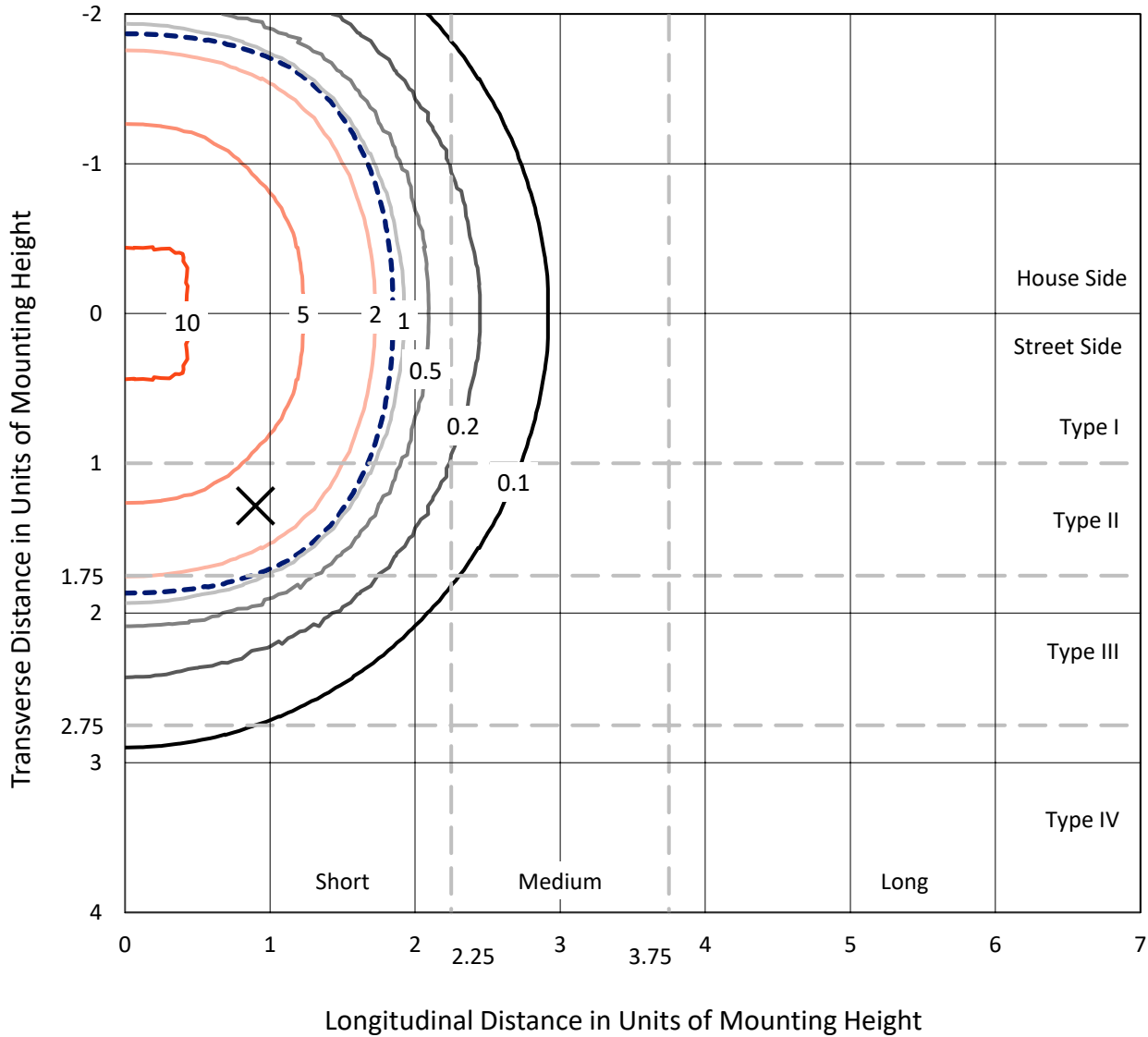
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

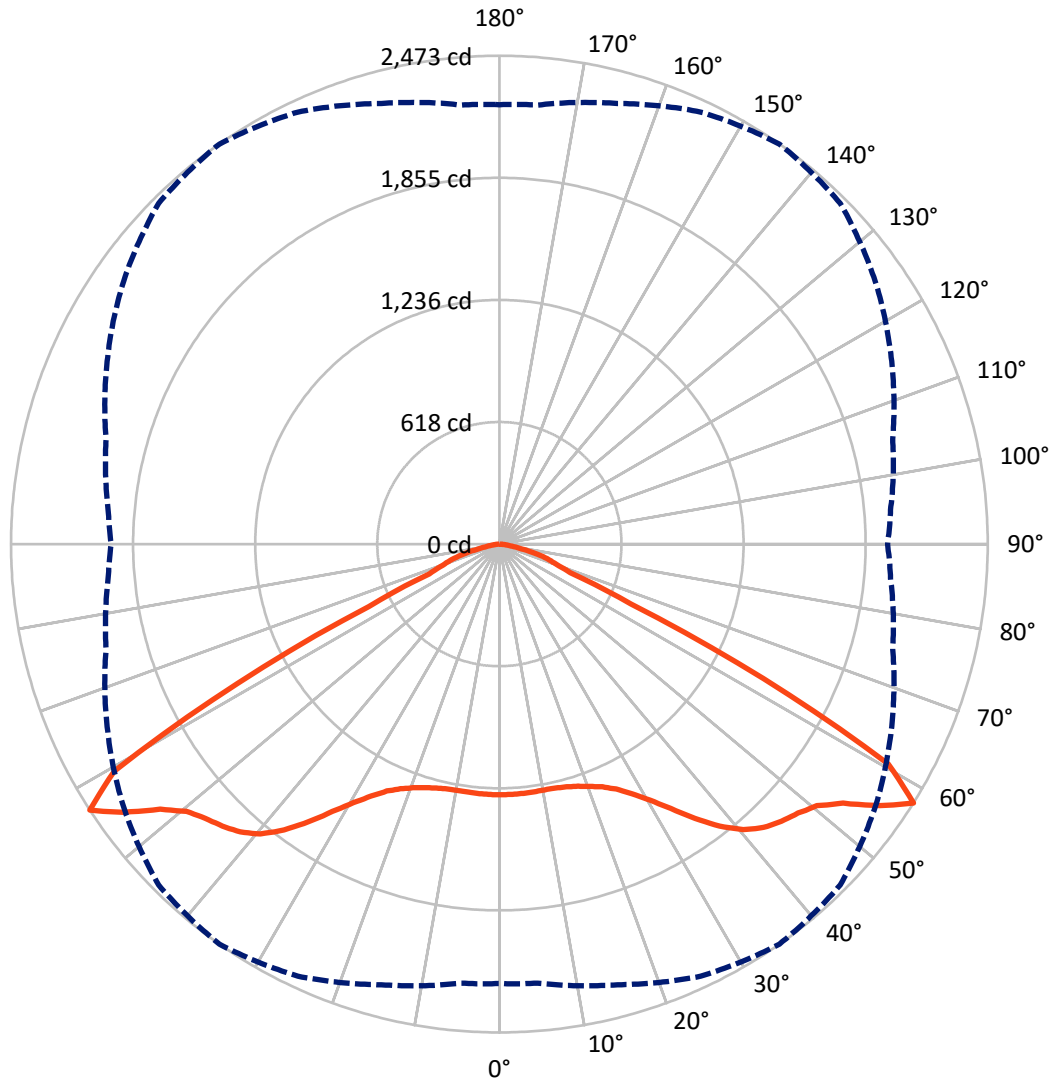
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3317.4	0.0	3317.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3317.4	0.0	3317.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6634.8	0.0	6634.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.8
10°-20°	360.3	5.4
20°-30°	628.7	9.5
30°-40°	1030.9	15.5
40°-50°	1518.3	22.9
50°-60°	1937.6	29.2
60°-70°	816.6	12.3
70°-80°	195.1	2.9
80°-90°	26.5	0.4
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°	6634.8	100.0
0°-180°	6634.8	100.0

Coefficient of Utilization



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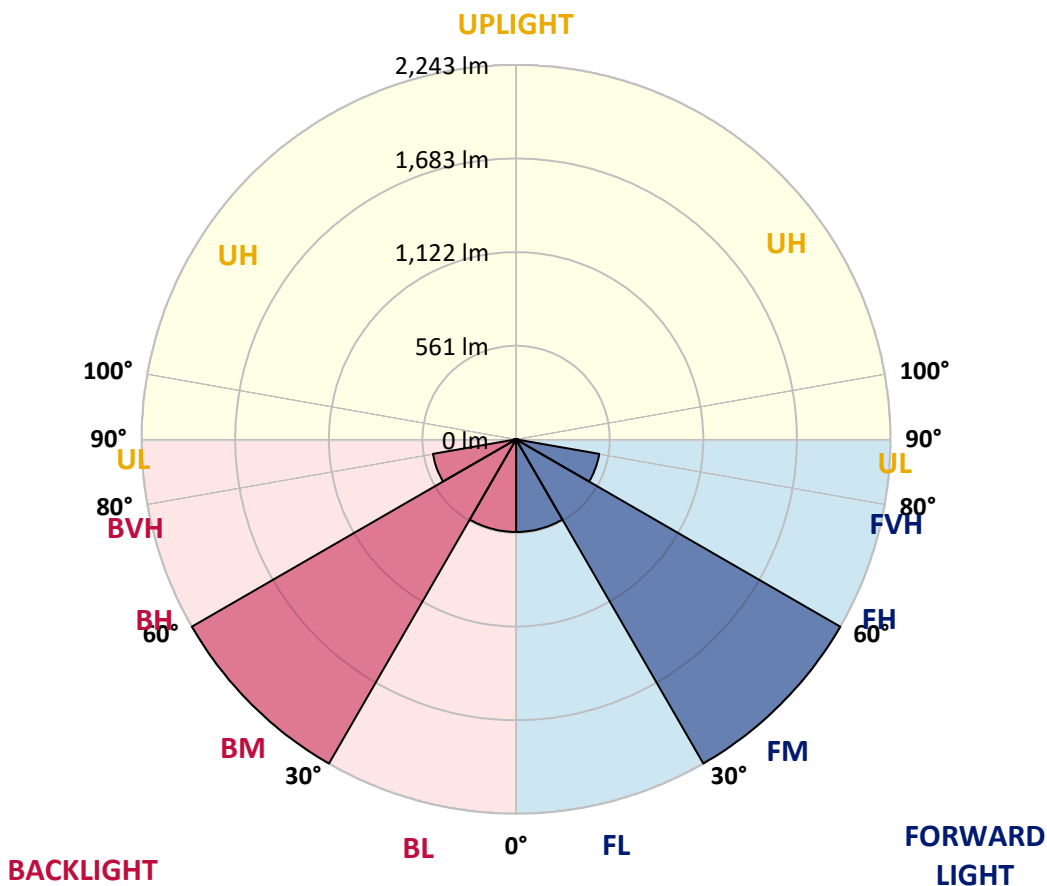
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.9	8.4			
FM (30°-60°)	2243.4	33.8			
FH (60°-80°)	505.8	7.6			G0/660
FVH (80°-90°)	13.3	0.2			G1/100
BL (0°-30°)	554.9	8.4	B2/1000		
BM (30°-60°)	2243.4	33.8	B2/2500		
BH (60°-80°)	505.8	7.6	B2/1000		G0/660
BVH (80°-90°)	13.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5
2.5°	1261.9	1261.9	1264.6	1267.3	1268.4	1273.3	1272.8	1271.1	1270.0	1266.8	1271.1
5°	1264.6	1264.6	1266.8	1268.4	1267.9	1271.7	1270.0	1267.3	1265.7	1262.4	1267.3
7.5°	1264.1	1264.1	1265.7	1267.3	1266.2	1269.5	1266.8	1263.0	1260.3	1257.0	1261.3
10°	1257.0	1258.1	1259.7	1263.5	1265.1	1270.0	1266.2	1260.3	1255.9	1252.1	1256.5
12.5°	1255.9	1257.0	1259.2	1264.1	1266.8	1273.8	1268.9	1259.2	1252.7	1247.8	1252.1
15°	1260.8	1261.9	1265.1	1271.1	1275.5	1283.1	1276.0	1262.4	1253.2	1246.7	1250.5
17.5°	1266.8	1268.4	1273.3	1282.0	1289.0	1297.2	1288.5	1272.2	1259.2	1250.5	1253.7
20°	1273.3	1275.5	1283.1	1296.1	1309.1	1319.5	1308.6	1286.9	1271.1	1259.7	1263.0
22.5°	1284.7	1287.4	1297.2	1315.7	1335.2	1350.4	1336.9	1307.5	1286.9	1272.2	1274.9
25°	1308.1	1311.3	1323.8	1346.1	1373.8	1392.3	1373.2	1340.1	1311.3	1293.4	1296.1
27.5°	1349.3	1351.0	1367.3	1396.6	1430.8	1452.0	1429.2	1390.1	1358.0	1337.4	1339.6
30°	1403.7	1408.6	1424.9	1463.4	1504.2	1532.4	1502.5	1456.4	1419.4	1394.4	1396.6
32.5°	1469.9	1473.2	1497.6	1537.8	1596.5	1629.1	1588.4	1533.5	1489.0	1458.5	1460.7
35°	1556.9	1559.6	1582.9	1634.0	1705.2	1735.6	1688.9	1625.8	1574.2	1545.4	1553.6
37.5°	1660.6	1665.5	1682.3	1732.9	1812.2	1842.0	1788.3	1729.6	1675.8	1649.2	1655.2
40°	1772.0	1771.4	1785.0	1829.5	1901.8	1920.3	1871.9	1825.2	1779.0	1761.6	1771.4
42.5°	1867.6	1864.9	1874.6	1911.6	1961.5	1963.2	1931.1	1905.1	1872.5	1860.5	1869.7
45°	1934.4	1935.5	1950.1	1975.7	2001.2	1987.6	1977.8	1973.5	1948.0	1931.7	1933.3
47.5°	1987.1	1991.4	2014.8	2032.2	2035.4	2012.6	2026.2	2032.7	2011.5	1986.5	1979.5
50°	2033.8	2040.9	2071.3	2089.7	2082.7	2053.9	2080.5	2090.3	2043.6	1995.8	1981.6
52.5°	2118.5	2126.7	2163.6	2187.5	2179.4	2150.6	2175.6	2140.8	2062.0	2003.4	1985.5
55°	2253.8	2257.6	2302.7	2341.8	2338.0	2302.7	2282.6	2205.5	2109.8	2049.0	2032.2
57.5°	2225.0	2231.5	2309.7	2414.0	2472.7	2440.7	2322.8	2191.3	2061.5	1988.2	1965.4
60°	1750.8	1766.5	1863.8	2047.4	2262.5	2261.9	2043.0	1838.8	1682.3	1585.1	1575.3
62.5°	1022.3	1033.2	1121.7	1307.5	1500.4	1512.3	1358.6	1218.4	1081.5	1015.8	984.3
65°	484.0	483.5	518.8	602.4	732.8	743.1	696.9	620.4	539.4	517.1	511.2
67.5°	357.4	357.4	354.7	360.7	385.7	391.1	385.7	373.2	365.6	370.5	367.2
70°	310.2	310.7	307.5	305.8	305.8	304.2	306.4	311.3	314.5	321.0	317.8
72.5°	251.5	252.1	252.1	252.6	253.1	251.0	254.2	256.9	257.5	259.7	257.5
75°	178.7	179.8	183.1	185.8	188.0	188.0	189.0	189.6	187.4	190.1	185.8
77.5°	98.3	99.4	105.4	110.3	115.2	115.7	117.3	118.4	117.3	119.5	116.2
80°	54.3	55.4	58.1	60.3	64.1	67.4	69.5	70.6	70.6	72.2	70.6
82.5°	31.0	32.0	33.7	34.8	38.0	40.7	42.9	44.5	44.5	45.1	44.0
85°	14.7	14.7	15.8	16.8	18.5	19.6	22.3	23.9	23.9	25.0	23.9
87.5°	2.2	2.7	3.3	3.3	4.3	5.4	6.5	7.1	8.1	8.7	8.7
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)