

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: P632293

Luminaire Tested: GWS-SA2C-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5654.9 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 63.2
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

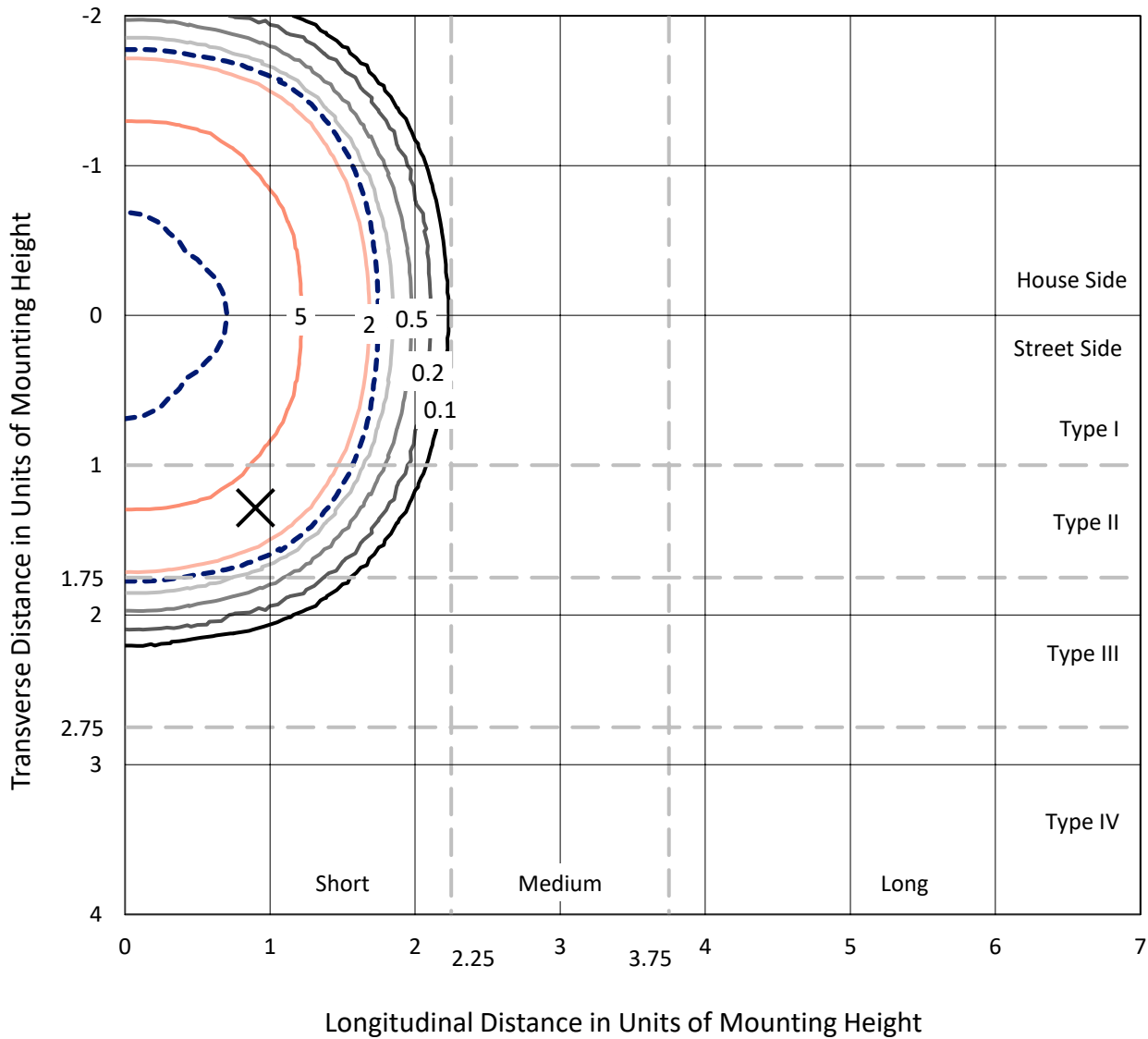


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Iso-Footcandle Lines of Horizontal Illumination

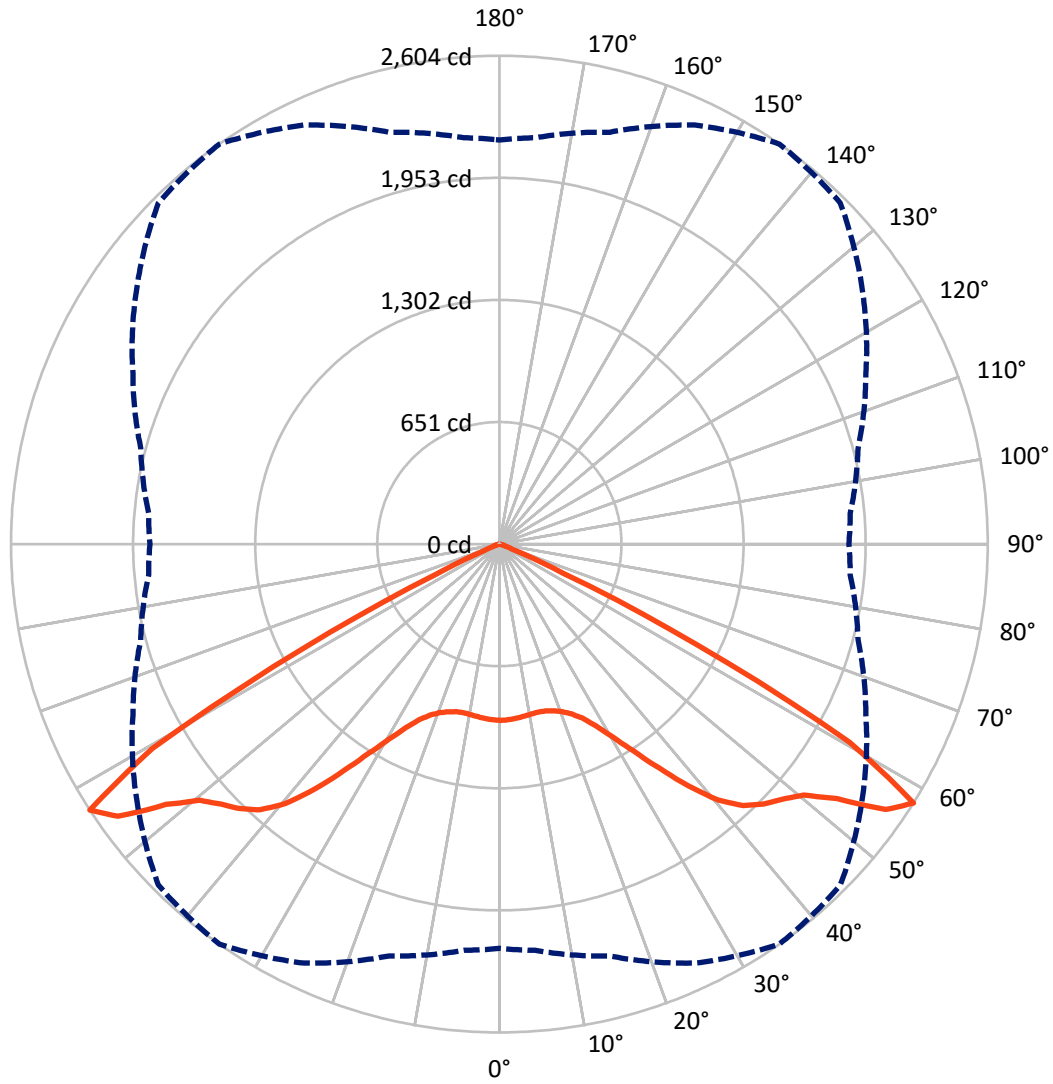
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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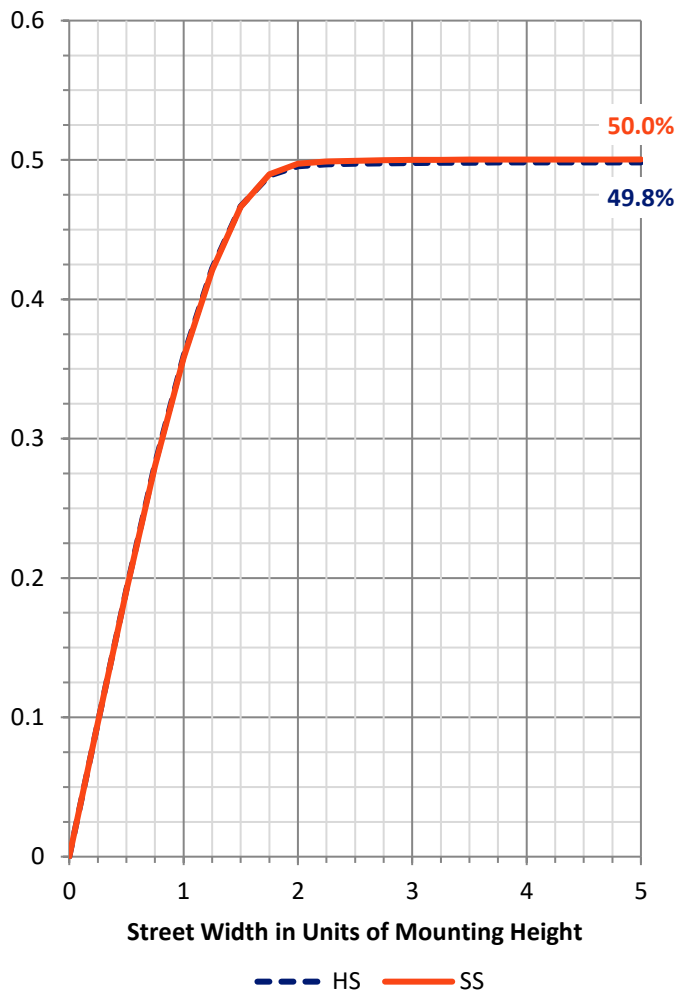
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2827.4	0.0	2827.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2827.4	0.0	2827.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5654.9	0.0	5654.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	1.6
10°-20°	260.6	4.6
20°-30°	471.0	8.3
30°-40°	878.7	15.5
40°-50°	1474.0	26.1
50°-60°	1946.5	34.4
60°-70°	516.9	9.1
70°-80°	18.4	0.3
80°-90°	0.3	0.0
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°	5654.9	100.0
0°-180°	5654.9	100.0

Coefficient of Utilization



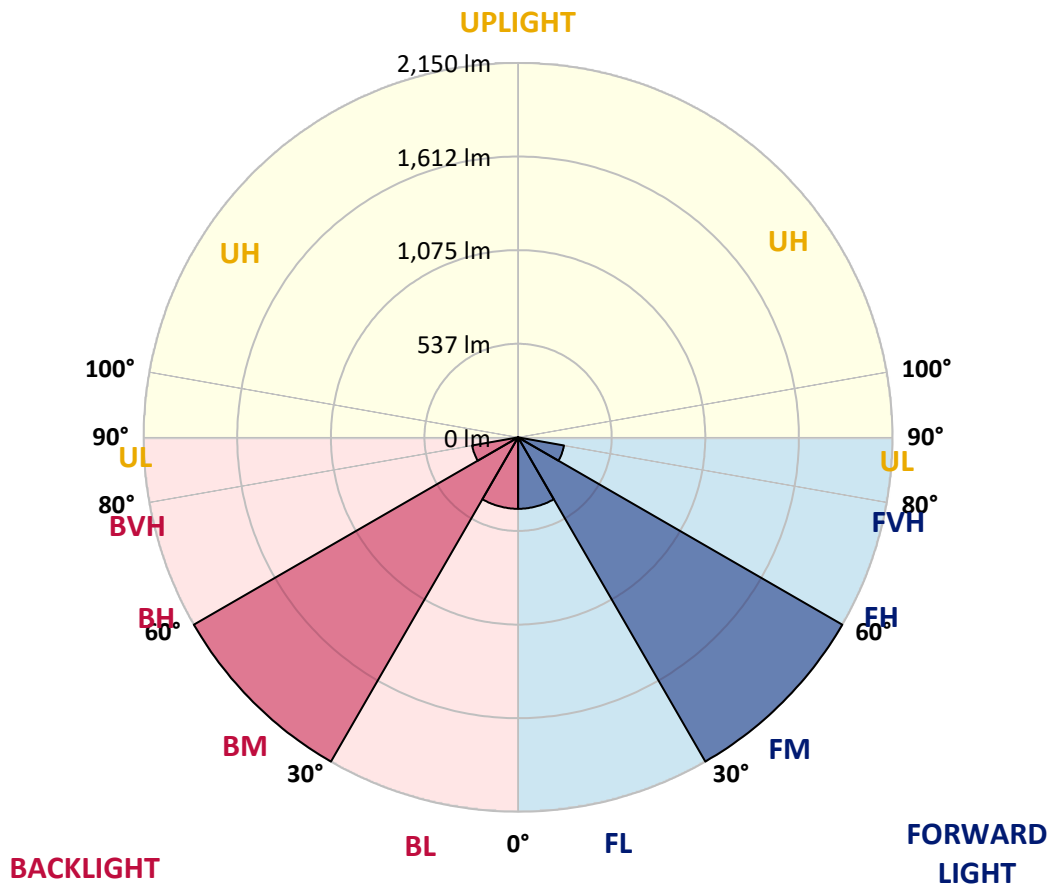
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.1	7.3			
FM (30°-60°)	2149.6	38.0			
FH (60°-80°)	267.7	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	410.1	7.3	B1/500		
BM (30°-60°)	2149.6	38.0	B2/2500		
BH (60°-80°)	267.7	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			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°	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2
2.5°	933.5	932.9	935.5	937.5	937.5	942.2	940.8	939.5	938.2	936.2	940.8
5°	932.2	931.6	933.5	934.9	933.5	937.5	934.9	932.2	930.9	928.2	933.5
7.5°	926.2	926.9	928.2	929.6	927.6	930.9	927.6	923.6	920.3	917.6	922.3
10°	917.0	917.6	918.9	921.6	922.3	926.9	922.3	915.0	910.3	906.3	911.0
12.5°	912.3	913.0	915.0	918.3	918.9	924.9	918.9	908.3	901.7	897.1	901.7
15°	913.6	915.0	917.6	921.6	922.9	928.9	920.9	907.0	897.7	891.7	895.7
17.5°	918.3	919.6	923.6	930.2	934.9	940.8	930.9	913.0	900.4	891.7	895.7
20°	924.3	926.2	932.9	943.5	953.4	964.1	951.5	926.9	910.3	899.7	903.0
22.5°	940.8	942.8	952.1	966.1	982.6	995.9	980.7	949.5	926.9	913.0	916.3
25°	974.7	976.7	988.6	1006.5	1027.8	1045.0	1025.8	986.6	957.4	941.5	942.8
27.5°	1027.8	1029.8	1043.7	1068.9	1097.4	1122.0	1094.1	1048.3	1015.2	996.6	996.6
30°	1094.8	1097.4	1116.0	1149.8	1194.3	1226.8	1189.0	1133.3	1090.8	1065.6	1066.2
32.5°	1181.0	1178.4	1204.9	1251.4	1314.4	1357.5	1301.8	1234.1	1181.7	1146.5	1149.8
35°	1291.8	1291.2	1321.0	1384.1	1466.3	1518.1	1451.7	1364.2	1301.1	1265.3	1266.0
37.5°	1434.5	1433.8	1468.3	1536.7	1635.5	1678.7	1604.3	1515.4	1447.8	1413.3	1417.2
40°	1601.7	1597.7	1628.2	1693.9	1792.8	1820.6	1739.7	1668.0	1603.0	1581.1	1591.7
42.5°	1760.9	1752.3	1770.2	1829.9	1906.2	1910.2	1849.2	1800.1	1755.6	1738.4	1745.0
45°	1889.0	1882.3	1898.9	1933.4	1977.2	1957.3	1928.1	1912.9	1877.0	1858.5	1864.4
47.5°	1984.5	1984.5	2004.4	2025.7	2032.3	1995.8	2000.4	2000.4	1964.6	1935.4	1928.1
50°	2066.8	2072.8	2102.6	2124.5	2102.6	2056.2	2082.7	2077.4	2004.4	1946.0	1930.8
52.5°	2198.2	2204.1	2249.9	2279.8	2255.2	2209.5	2212.8	2146.4	2038.9	1969.9	1946.0
55°	2337.5	2352.1	2418.5	2498.1	2498.7	2451.6	2364.0	2246.6	2115.9	2040.9	2016.4
57.5°	2155.0	2174.9	2273.8	2465.6	2604.2	2571.7	2362.7	2156.4	1979.9	1877.7	1863.8
60°	1482.9	1517.4	1616.3	1878.4	2145.8	2158.4	1911.5	1680.0	1477.6	1351.5	1354.2
62.5°	626.3	661.5	717.2	932.9	1178.4	1193.6	1074.2	908.3	743.1	652.2	666.2
65°	147.3	157.2	173.8	258.1	374.2	391.5	360.9	281.3	207.7	175.8	179.1
67.5°	64.4	65.7	62.4	66.3	82.3	84.3	81.6	71.7	67.7	69.0	69.0
70°	45.1	45.8	43.1	41.1	39.1	36.5	37.8	41.8	45.1	47.8	47.1
72.5°	27.9	28.5	29.2	29.2	27.2	24.5	25.9	28.5	29.2	29.9	29.2
75°	13.9	14.6	15.9	16.6	15.9	15.3	15.3	15.9	15.9	15.3	15.3
77.5°	2.7	3.3	4.6	5.3	5.3	5.3	5.3	5.3	6.0	5.3	5.3
80°	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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)