

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: P632403

Luminaire Tested: GWS-SA2C-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632403
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5705.2 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

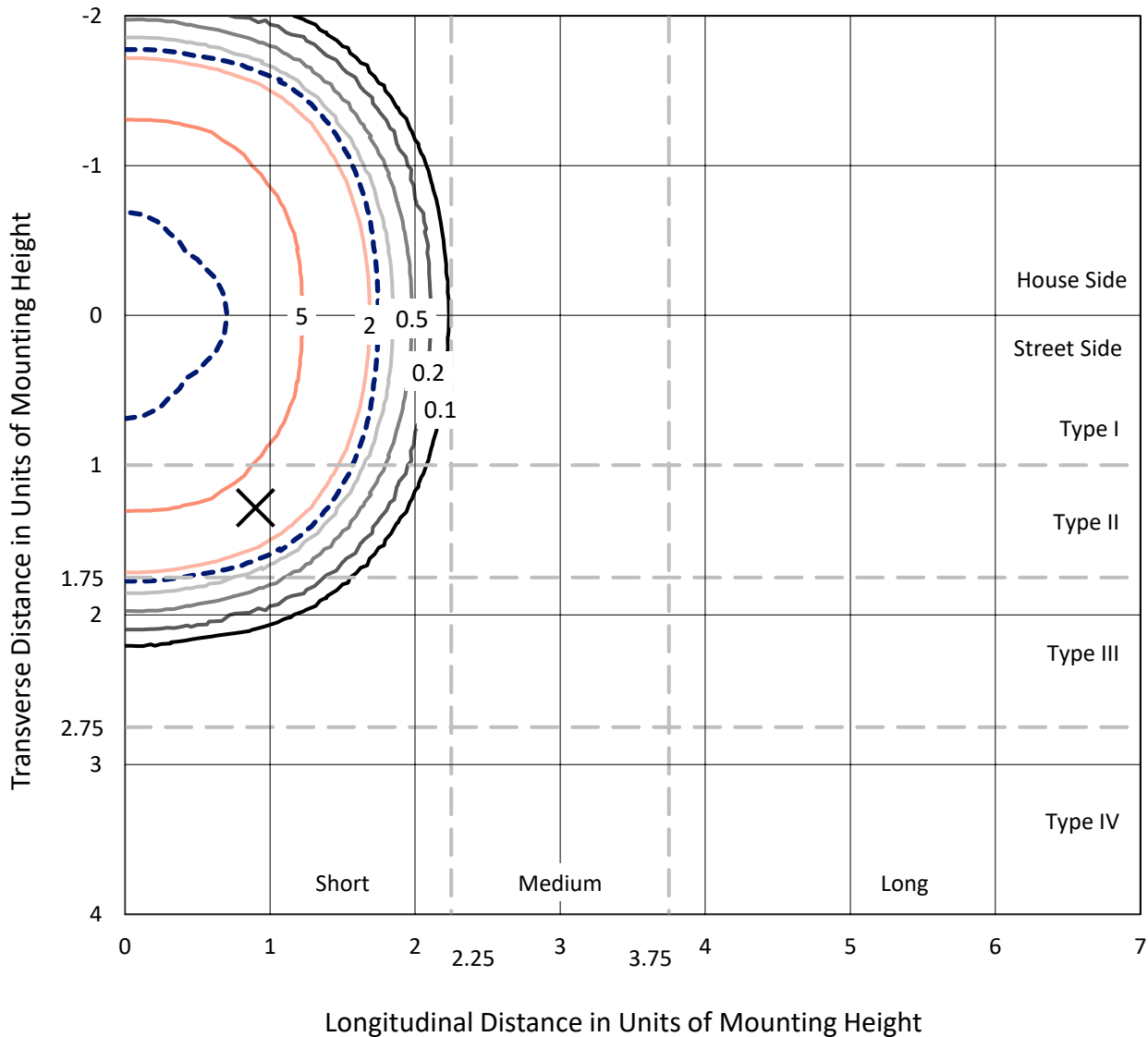
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

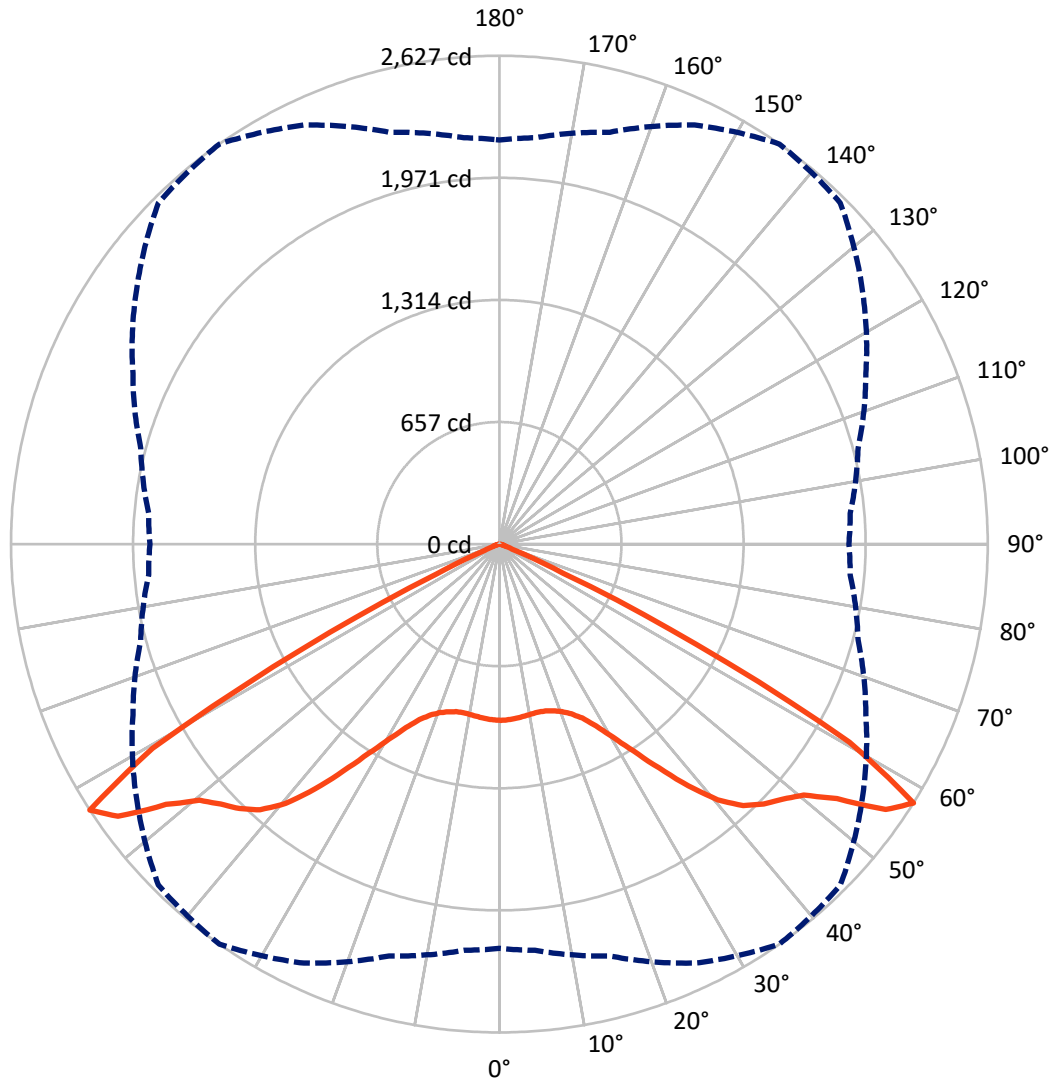
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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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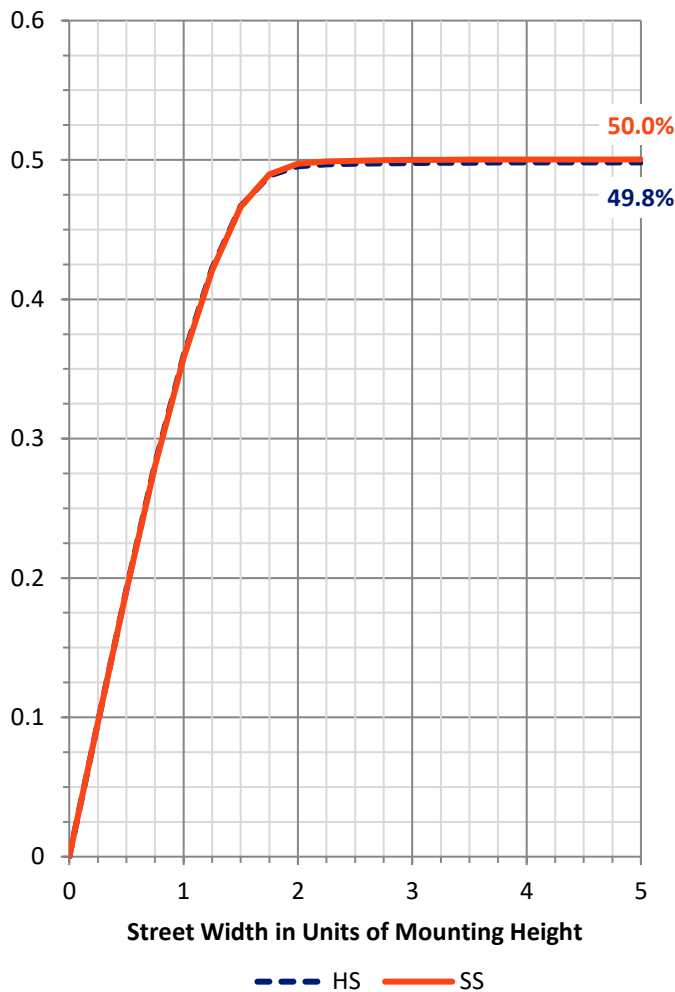
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2852.6	0.0	2852.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2852.6	0.0	2852.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5705.2	0.0	5705.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.6
10°-20°	262.9	4.6
20°-30°	475.2	8.3
30°-40°	886.5	15.5
40°-50°	1487.1	26.1
50°-60°	1963.8	34.4
60°-70°	521.5	9.1
70°-80°	18.5	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°	5705.2	100.0
0°-180°	5705.2	100.0

Coefficient of Utilization



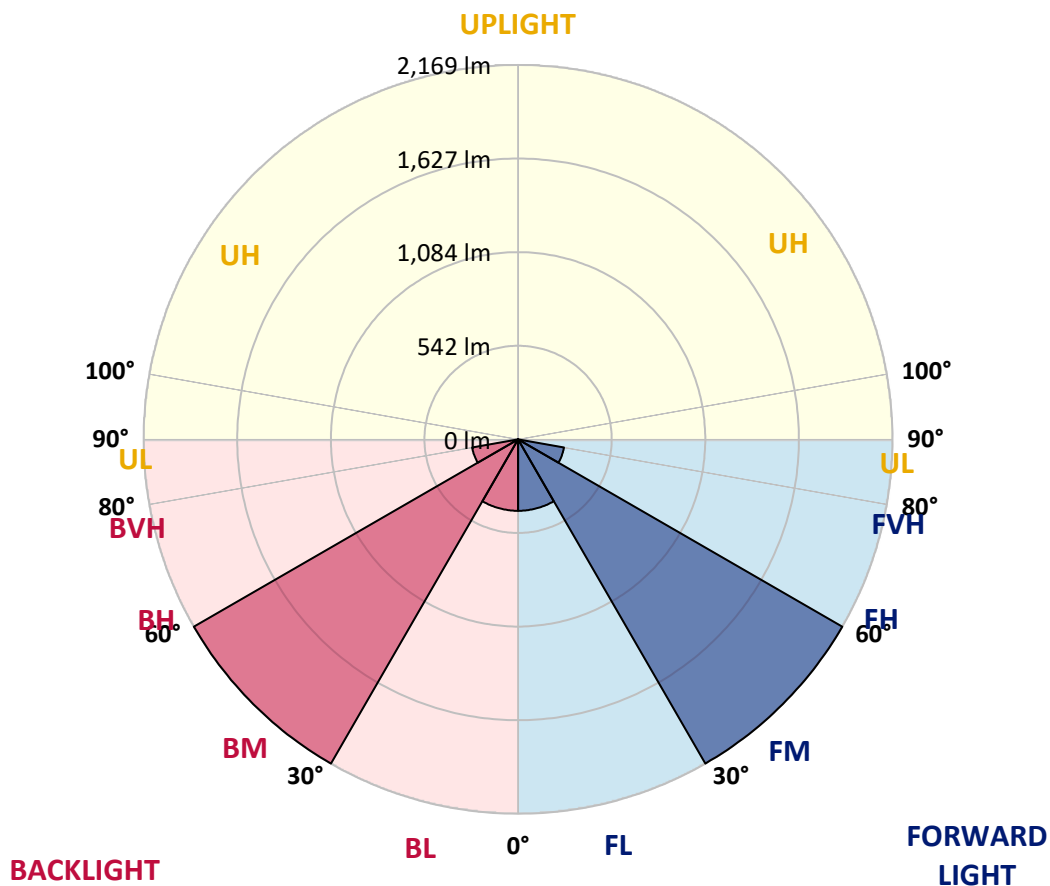
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.7	7.3			
FM (30°-60°)	2168.7	38.0			
FH (60°-80°)	270.0	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	413.7	7.3	B1/500		
BM (30°-60°)	2168.7	38.0	B2/2500		
BH (60°-80°)	270.0	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°	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5	948.5
2.5°	941.8	941.2	943.9	945.9	945.9	950.5	949.2	947.9	946.5	944.5	949.2
5°	940.5	939.8	941.8	943.2	941.8	945.9	943.2	940.5	939.2	936.5	941.8
7.5°	934.5	935.2	936.5	937.8	935.8	939.2	935.8	931.8	928.5	925.8	930.5
10°	925.1	925.8	927.1	929.8	930.5	935.2	930.5	923.1	918.4	914.4	919.1
12.5°	920.4	921.1	923.1	926.5	927.1	933.1	927.1	916.4	909.7	905.0	909.7
15°	921.8	923.1	925.8	929.8	931.1	937.2	929.1	915.1	905.7	899.7	903.7
17.5°	926.5	927.8	931.8	938.5	943.2	949.2	939.2	921.1	908.4	899.7	903.7
20°	932.5	934.5	941.2	951.9	961.9	972.6	959.9	935.2	918.4	907.7	911.1
22.5°	949.2	951.2	960.6	974.6	991.4	1004.8	989.4	957.9	935.2	921.1	924.4
25°	983.3	985.4	997.4	1015.5	1036.9	1054.3	1034.9	995.4	965.9	949.9	951.2
27.5°	1036.9	1038.9	1053.0	1078.4	1107.2	1132.0	1103.8	1057.7	1024.2	1005.4	1005.4
30°	1104.5	1107.2	1125.9	1160.1	1204.9	1237.7	1199.6	1143.3	1100.5	1075.1	1075.7
32.5°	1191.5	1188.9	1215.6	1262.5	1326.1	1369.6	1313.4	1245.1	1192.2	1156.7	1160.1
35°	1303.3	1302.7	1332.8	1396.4	1479.4	1531.6	1464.6	1376.3	1312.7	1276.5	1277.2
37.5°	1447.2	1446.6	1481.4	1550.3	1650.1	1693.6	1618.6	1528.9	1460.6	1425.8	1429.8
40°	1615.9	1611.9	1642.7	1709.0	1808.7	1836.8	1755.2	1682.9	1617.3	1595.2	1605.9
42.5°	1776.6	1767.9	1786.0	1846.2	1923.2	1927.2	1865.6	1816.1	1771.2	1753.8	1760.5
45°	1905.8	1899.1	1915.8	1950.6	1994.8	1974.7	1945.3	1929.9	1893.7	1875.0	1881.0
47.5°	2002.2	2002.2	2022.3	2043.7	2050.4	2013.6	2018.2	2018.2	1982.1	1952.6	1945.3
50°	2085.2	2091.2	2121.3	2143.4	2121.3	2074.5	2101.2	2095.9	2022.3	1963.4	1948.0
52.5°	2217.7	2223.7	2269.9	2300.1	2275.3	2229.1	2232.5	2165.5	2057.1	1987.5	1963.4
55°	2358.3	2373.0	2440.0	2520.3	2521.0	2473.4	2385.1	2266.6	2134.7	2059.1	2034.3
57.5°	2174.2	2194.3	2294.0	2487.5	2627.4	2594.6	2383.7	2175.6	1997.5	1894.4	1880.3
60°	1496.1	1530.9	1630.7	1895.1	2164.8	2177.6	1928.5	1694.9	1490.8	1363.6	1366.2
62.5°	631.9	667.4	723.6	941.2	1188.9	1204.3	1083.8	916.4	749.7	658.0	672.1
65°	148.6	158.6	175.4	260.4	377.5	394.9	364.2	283.8	209.5	177.4	180.7
67.5°	64.9	66.3	62.9	66.9	83.0	85.0	82.3	72.3	68.3	69.6	69.6
70°	45.5	46.2	43.5	41.5	39.5	36.8	38.2	42.2	45.5	48.2	47.5
72.5°	28.1	28.8	29.5	29.5	27.4	24.8	26.1	28.8	29.5	30.1	29.5
75°	14.1	14.7	16.1	16.7	16.1	15.4	15.4	16.1	16.1	15.4	15.4
77.5°	2.7	3.3	4.7	5.4	5.4	5.4	5.4	5.4	6.0	5.4	5.4
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)