

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: P632238

Luminaire Tested: GWS-SA2C-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632238
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577.4 lumens
Efficiency: N/A
Efficacy: 88.3 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

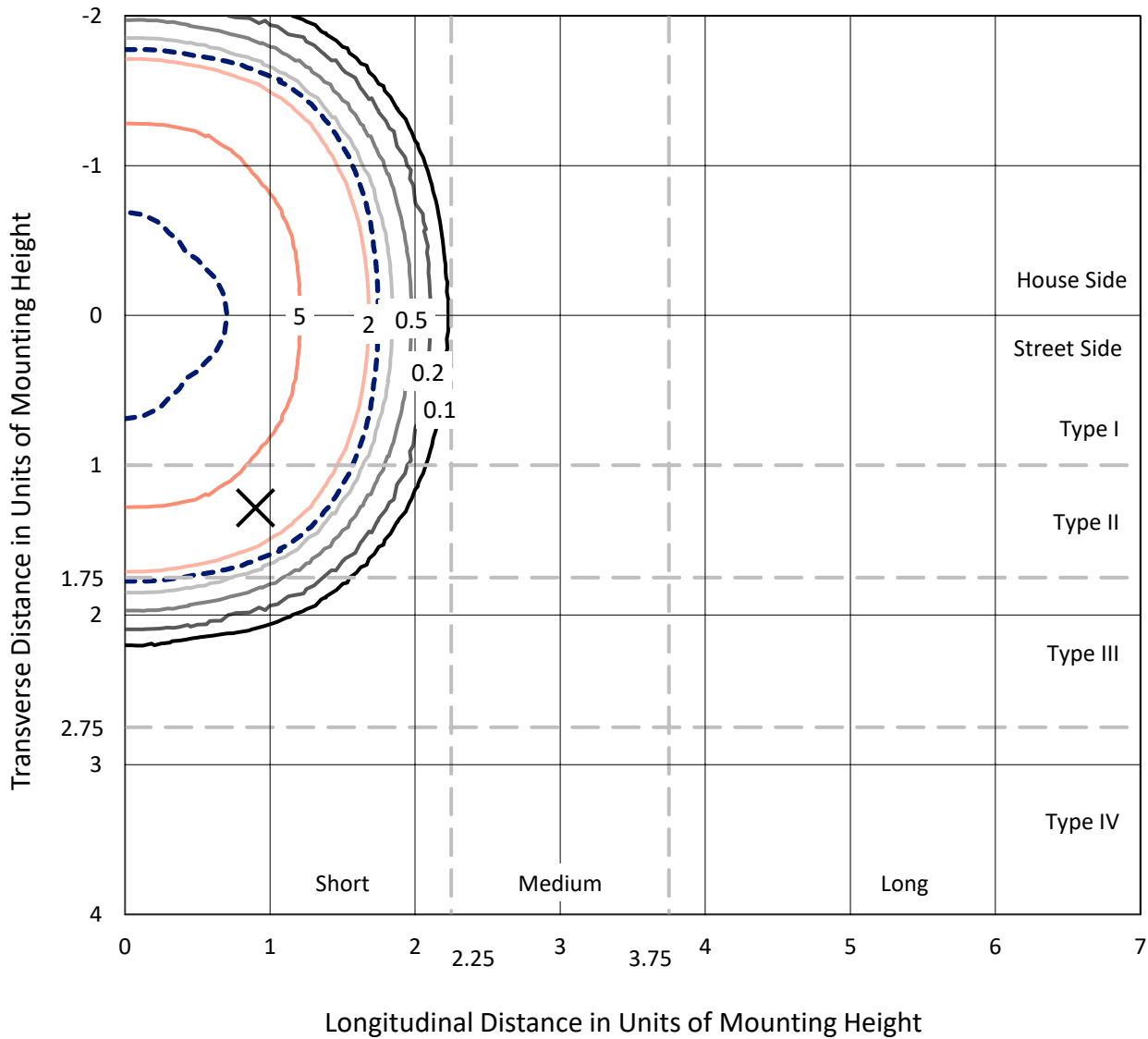


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Iso-Footcandle Lines of Horizontal Illumination

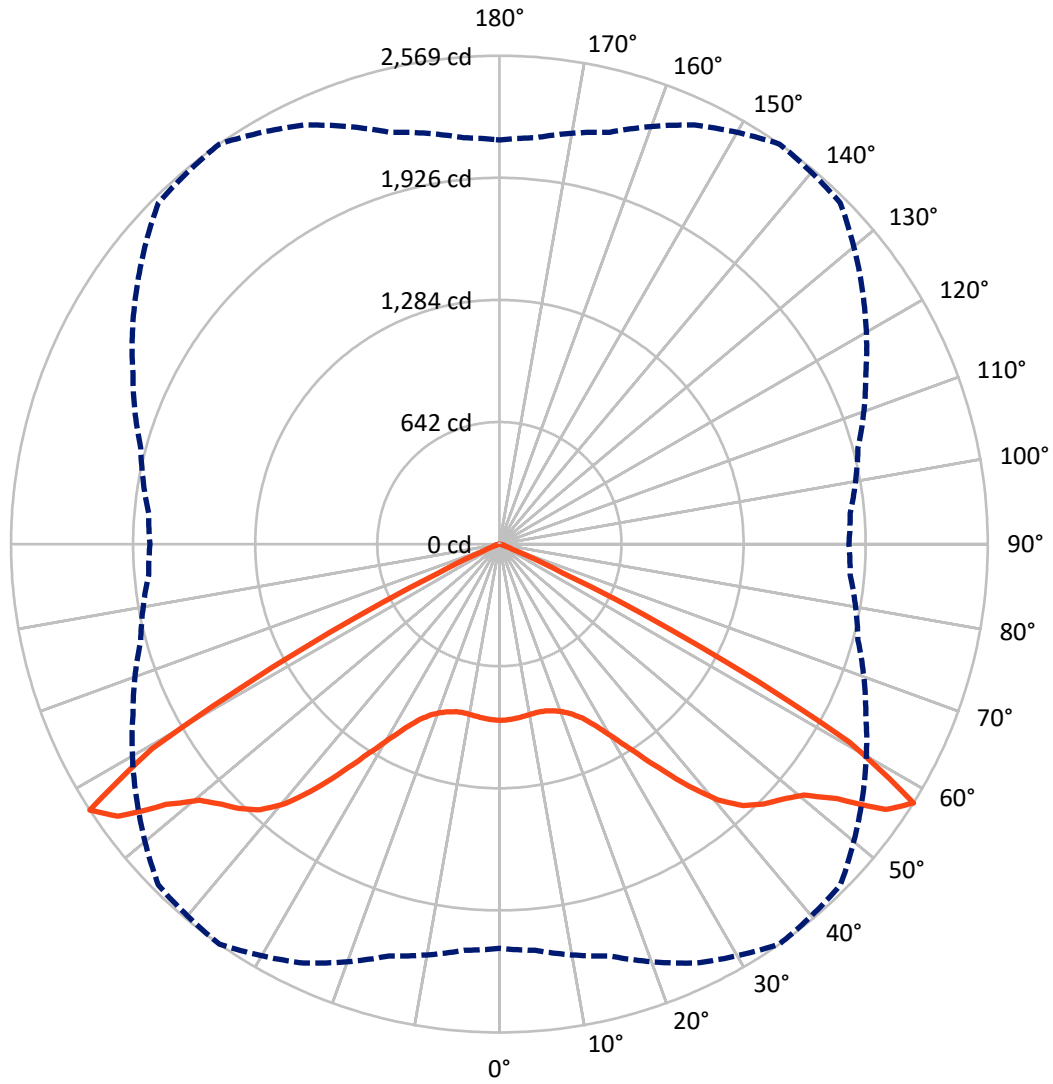
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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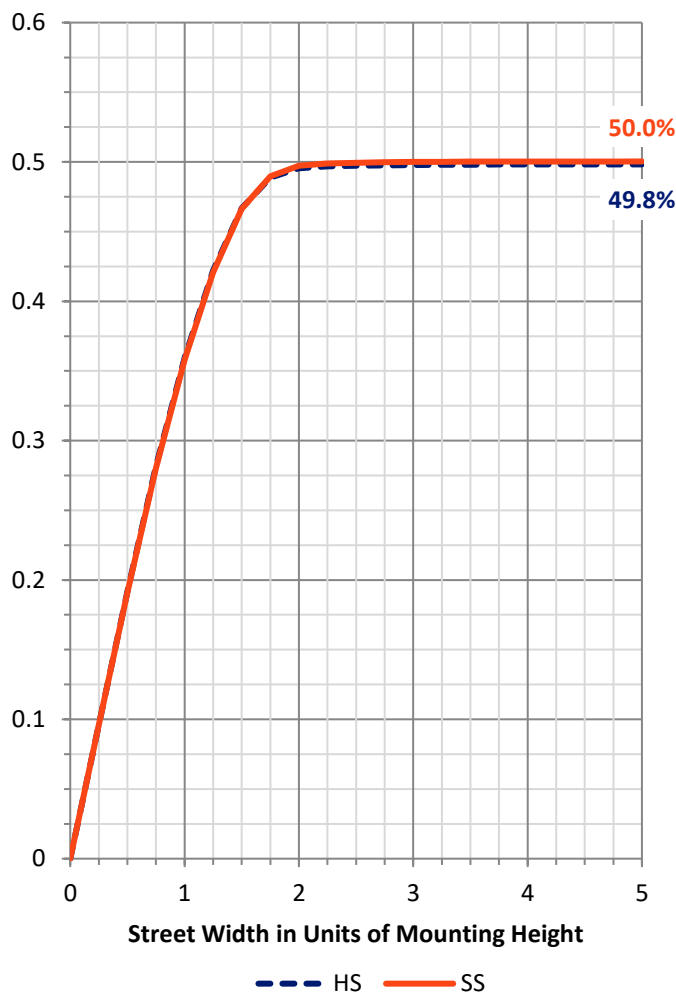
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2788.7	0.0	2788.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2788.7	0.0	2788.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5577.4	0.0	5577.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.6
10°-20°	257.0	4.6
20°-30°	464.5	8.3
30°-40°	866.6	15.5
40°-50°	1453.8	26.1
50°-60°	1919.8	34.4
60°-70°	509.9	9.1
70°-80°	18.1	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°	5577.4	100.0
0°-180°	5577.4	100.0

Coefficient of Utilization



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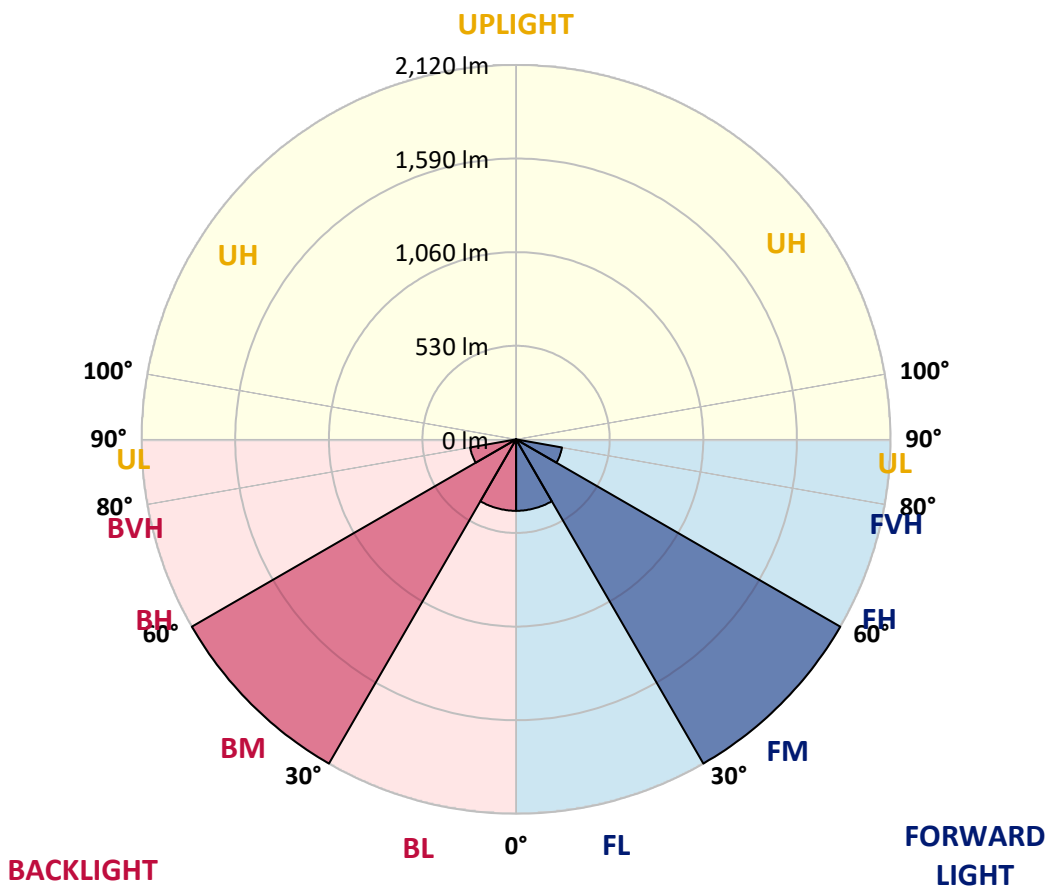
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.4	7.3			
FM (30°-60°)	2120.1	38.0			
FH (60°-80°)	264.0	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	404.4	7.3	B1/500		
BM (30°-60°)	2120.1	38.0	B2/2500		
BH (60°-80°)	264.0	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°	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3	927.3
2.5°	920.7	920.1	922.7	924.7	924.7	929.3	927.9	926.6	925.3	923.4	927.9
5°	919.4	918.8	920.7	922.1	920.7	924.7	922.1	919.4	918.1	915.5	920.7
7.5°	913.6	914.2	915.5	916.8	914.9	918.1	914.9	910.9	907.7	905.0	909.6
10°	904.4	905.0	906.4	909.0	909.6	914.2	909.6	902.4	897.8	893.9	898.5
12.5°	899.8	900.5	902.4	905.7	906.4	912.2	906.4	895.9	889.3	884.8	889.3
15°	901.1	902.4	905.0	909.0	910.3	916.2	908.3	894.6	885.4	879.5	883.4
17.5°	905.7	907.0	910.9	917.5	922.1	927.9	918.1	900.5	888.0	879.5	883.4
20°	911.6	913.6	920.1	930.6	940.4	950.9	938.4	914.2	897.8	887.4	890.6
22.5°	927.9	929.9	939.1	952.8	969.2	982.3	967.2	936.5	914.2	900.5	903.7
25°	961.3	963.3	975.1	992.7	1013.7	1030.7	1011.7	973.1	944.3	928.6	929.9
27.5°	1013.7	1015.6	1029.4	1054.2	1082.4	1106.6	1079.1	1034.0	1001.2	982.9	982.9
30°	1079.8	1082.4	1100.7	1134.1	1177.9	1210.0	1172.7	1117.7	1075.8	1051.0	1051.6
32.5°	1164.8	1162.2	1188.4	1234.2	1296.4	1338.9	1283.9	1217.2	1165.5	1130.8	1134.1
35°	1274.1	1273.5	1302.9	1365.1	1446.2	1497.3	1431.8	1345.5	1283.3	1248.0	1248.6
37.5°	1414.8	1414.2	1448.2	1515.6	1613.1	1655.6	1582.4	1494.7	1427.9	1393.9	1397.8
40°	1579.7	1575.8	1605.9	1670.7	1768.2	1795.7	1715.9	1645.2	1581.0	1559.4	1569.9
42.5°	1736.8	1728.3	1746.0	1804.9	1880.1	1884.0	1823.8	1775.4	1731.6	1714.5	1721.1
45°	1863.1	1856.5	1872.9	1906.9	1950.1	1930.5	1901.7	1886.7	1851.3	1833.0	1838.9
47.5°	1957.3	1957.3	1977.0	1997.9	2004.4	1968.5	1973.0	1973.0	1937.7	1908.9	1901.7
50°	2038.5	2044.4	2073.8	2095.4	2073.8	2028.0	2054.2	2048.9	1977.0	1919.4	1904.3
52.5°	2168.0	2173.9	2219.1	2248.5	2224.3	2179.2	2182.4	2117.0	2011.0	1942.9	1919.4
55°	2305.5	2319.9	2385.3	2463.8	2464.5	2418.0	2331.6	2215.8	2086.9	2013.0	1988.7
57.5°	2125.5	2145.1	2242.6	2431.8	2568.5	2536.5	2330.3	2126.8	1952.7	1852.0	1838.2
60°	1462.6	1496.6	1594.1	1852.6	2116.3	2128.8	1885.3	1657.0	1457.4	1333.0	1335.6
62.5°	617.8	652.4	707.4	920.1	1162.2	1177.3	1059.5	895.9	732.9	643.3	657.0
65°	145.3	155.1	171.5	254.6	369.1	386.1	356.0	277.5	204.8	173.4	176.7
67.5°	63.5	64.8	61.5	65.4	81.1	83.1	80.5	70.7	66.7	68.1	68.1
70°	44.5	45.2	42.5	40.6	38.6	36.0	37.3	41.2	44.5	47.1	46.5
72.5°	27.5	28.1	28.8	28.8	26.8	24.2	25.5	28.1	28.8	29.4	28.8
75°	13.7	14.4	15.7	16.4	15.7	15.1	15.1	15.7	15.7	15.1	15.1
77.5°	2.6	3.3	4.6	5.2	5.2	5.2	5.2	5.2	5.9	5.2	5.2
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)