

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: P632081

Luminaire Tested: GWS-SA2C-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6911.5 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

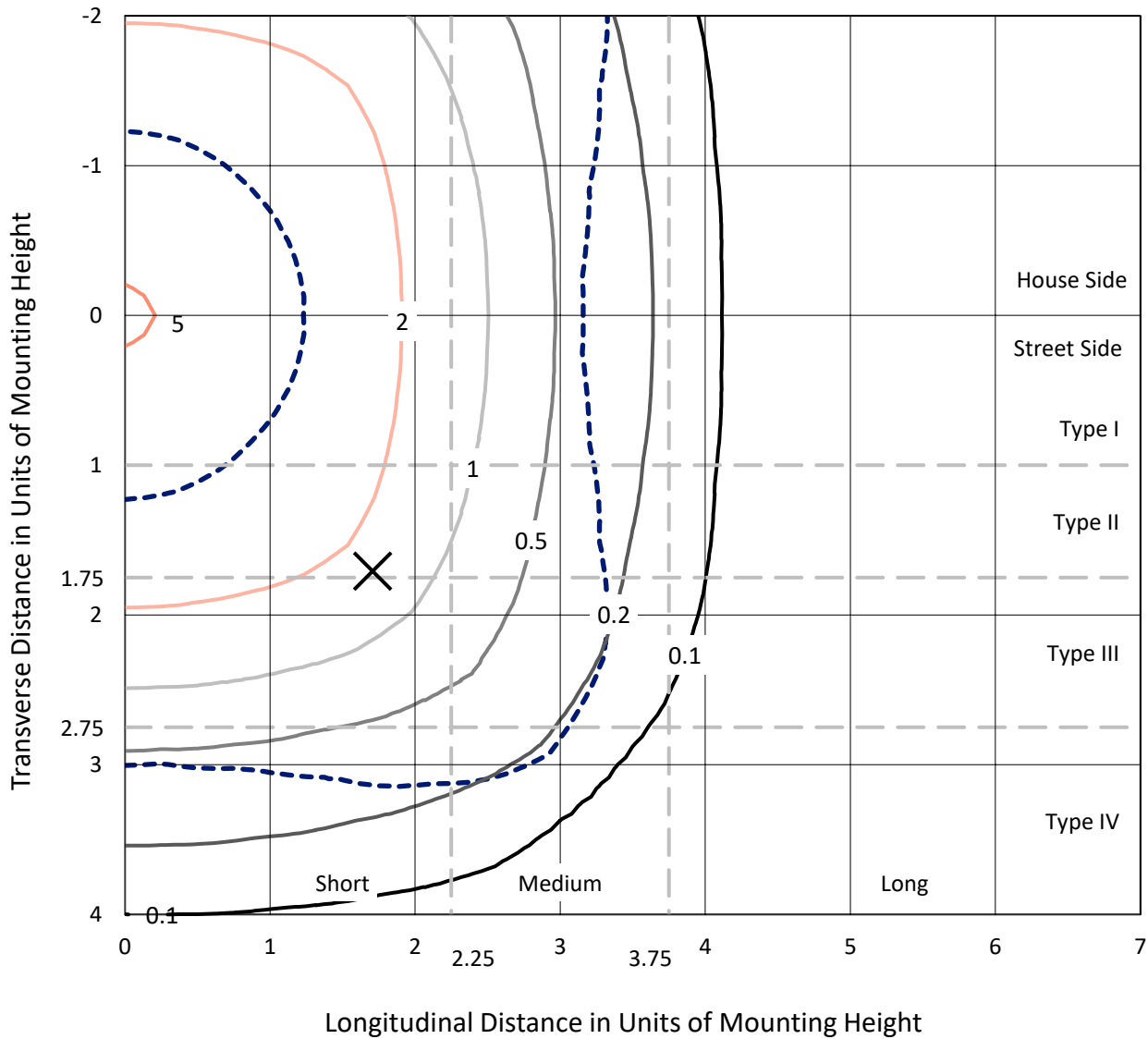
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

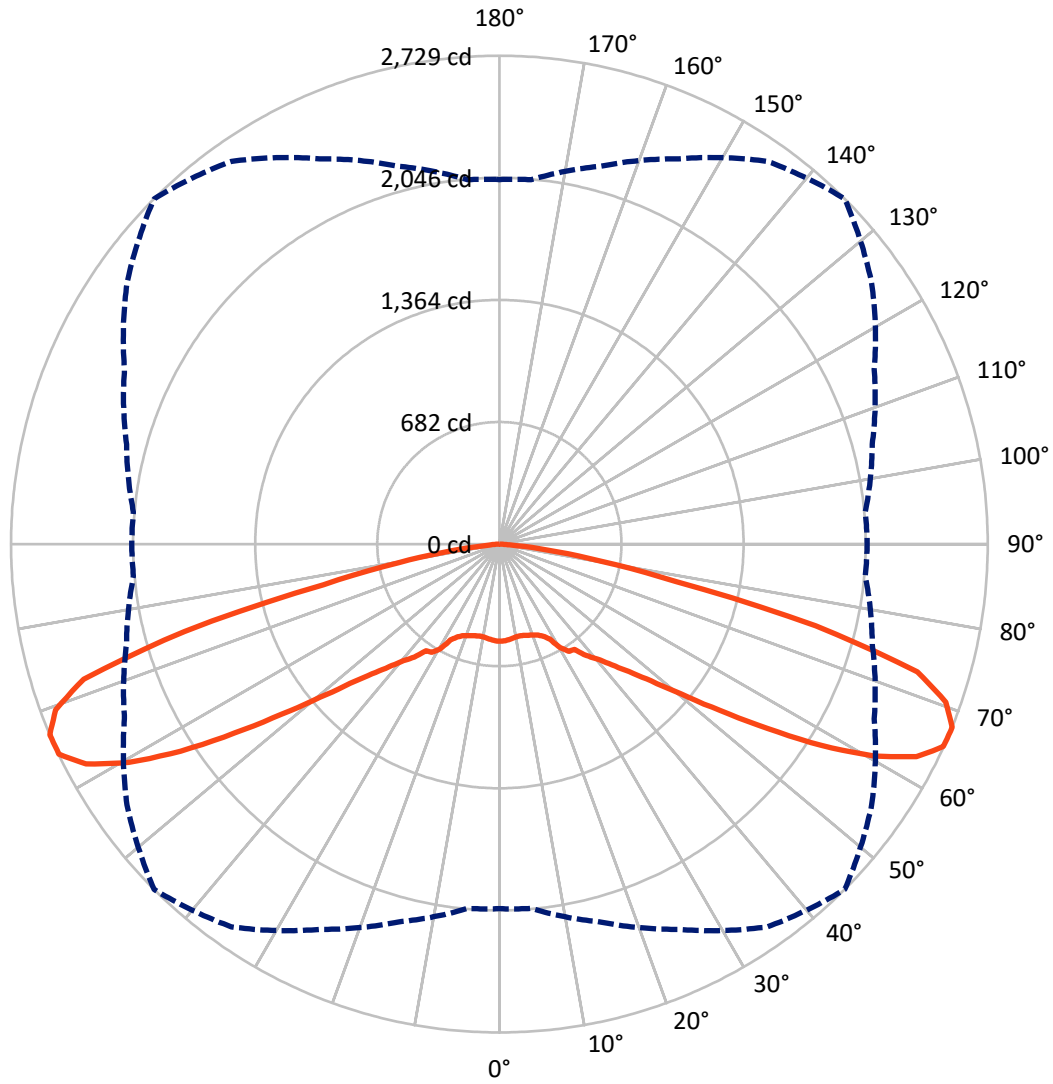
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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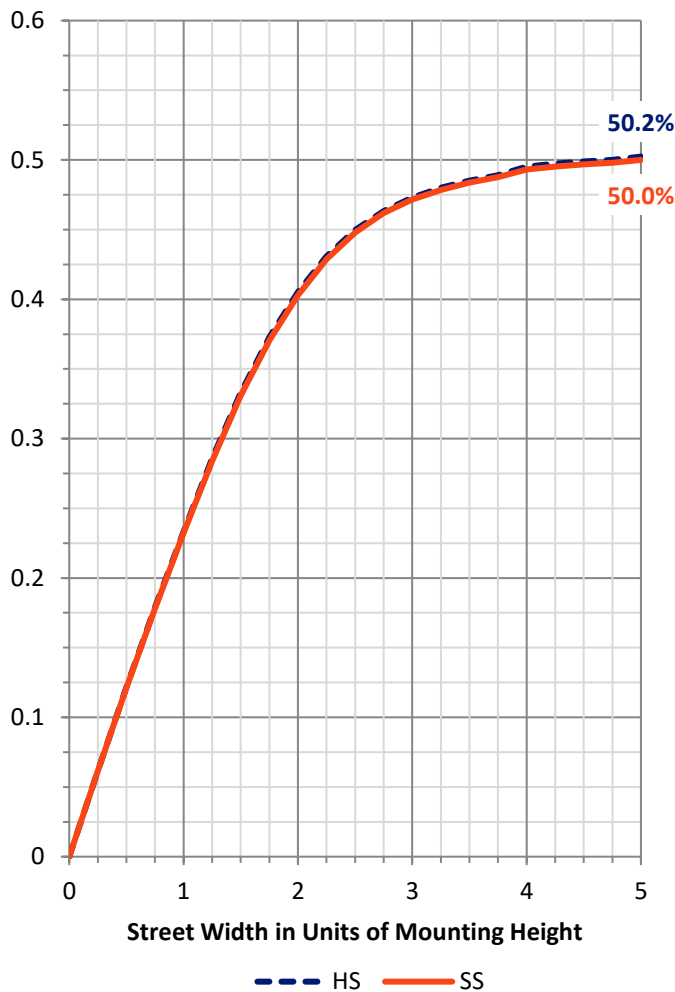
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3455.7	0.0	3455.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3455.7	0.0	3455.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6911.5	0.0	6911.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	0.7
10°-20°	151.0	2.2
20°-30°	270.9	3.9
30°-40°	457.6	6.6
40°-50°	804.1	11.6
50°-60°	1551.1	22.4
60°-70°	2250.4	32.6
70°-80°	1287.6	18.6
80°-90°	87.9	1.3
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°	6911.5	100.0
0°-180°	6911.5	100.0

Coefficient of Utilization



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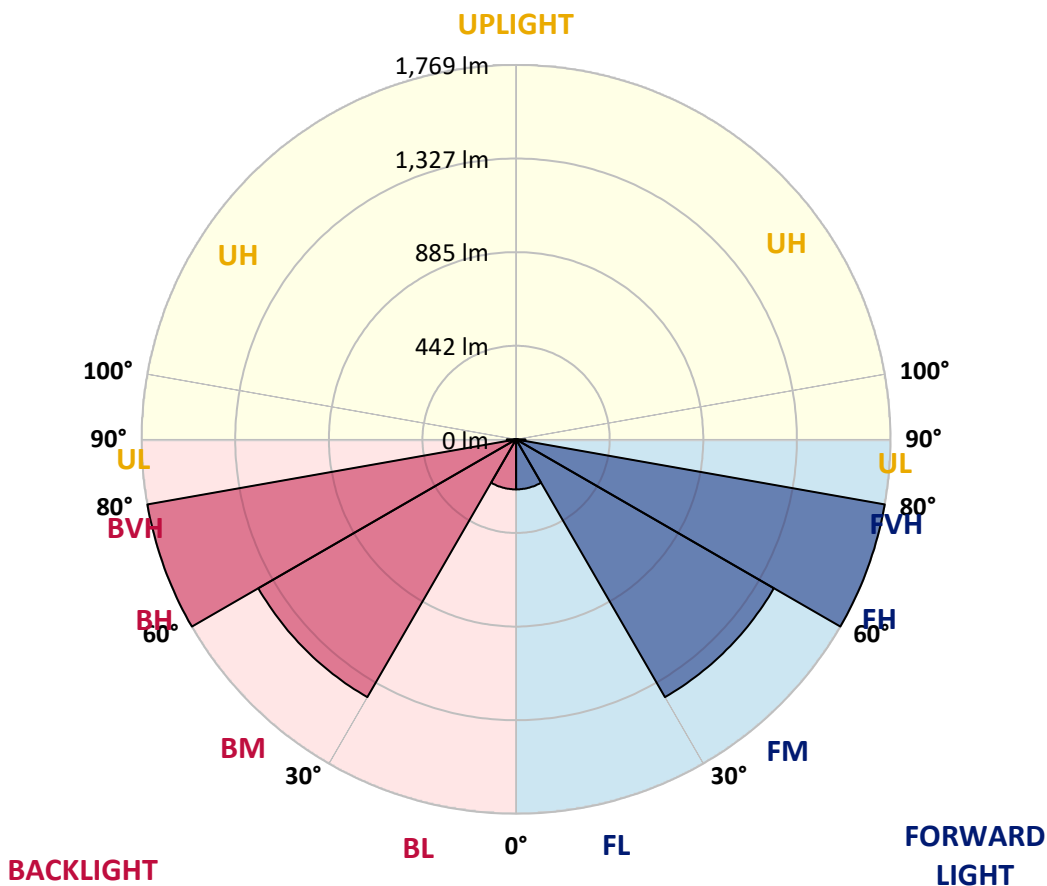
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.4	3.4			
FM (30°-60°)	1406.4	20.3			
FH (60°-80°)	1769.0	25.6			G1/1800
FVH (80°-90°)	43.9	0.6			G1/100
BL (0°-30°)	236.4	3.4	B1/500		
BM (30°-60°)	1406.4	20.3	B2/2500		
BH (60°-80°)	1769.0	25.6	B3/2500		G1/1800
BVH (80°-90°)	43.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0
2.5°	537.6	538.1	539.1	539.1	540.0	541.5	542.0	541.0	541.5	539.1	541.5
5°	536.1	536.6	537.1	536.1	536.1	536.6	536.6	535.6	536.1	533.7	536.1
7.5°	532.7	533.2	533.2	531.7	530.3	531.3	531.3	530.3	530.8	528.3	531.3
10°	529.8	529.8	529.3	526.4	524.9	526.4	526.9	527.3	529.3	527.3	530.8
12.5°	531.7	531.7	530.3	526.4	523.9	524.9	525.9	526.9	530.3	529.8	533.7
15°	537.1	537.6	533.7	529.3	527.8	529.3	528.3	527.8	532.2	533.7	538.1
17.5°	541.5	541.5	536.6	532.2	532.7	535.2	533.2	530.8	535.2	538.1	543.0
20°	545.4	544.9	539.6	536.6	538.6	542.0	540.5	537.1	540.0	543.5	547.9
22.5°	555.2	554.7	548.8	547.4	549.3	552.8	551.3	548.4	551.8	556.7	562.0
25°	583.1	582.1	573.3	568.4	567.4	569.9	569.4	568.4	573.8	579.6	586.0
27.5°	620.2	619.7	613.4	608.5	602.1	600.2	601.6	606.0	613.8	618.2	623.6
30°	638.8	638.8	637.8	645.6	659.3	672.5	662.2	645.6	638.8	636.8	642.2
32.5°	663.2	665.7	662.2	671.0	694.0	713.5	694.0	667.1	662.2	662.2	668.1
35°	719.4	720.4	715.0	713.5	720.9	723.3	714.0	704.3	709.6	710.6	717.9
37.5°	764.4	764.4	761.9	765.8	781.0	790.3	775.1	757.5	759.0	760.0	769.3
40°	833.8	835.7	829.9	829.4	835.2	843.5	827.4	816.2	824.0	826.4	840.6
42.5°	920.3	920.3	911.5	909.0	912.9	921.7	906.6	899.3	909.5	911.5	919.8
45°	1023.4	1025.8	1014.1	1009.7	1011.7	1014.6	1003.9	1000.4	1010.2	1014.6	1029.3
47.5°	1149.0	1151.5	1141.2	1140.7	1138.7	1140.7	1130.4	1128.5	1136.3	1132.9	1148.5
50°	1303.9	1308.3	1299.5	1311.8	1310.3	1316.2	1302.0	1291.7	1291.7	1282.4	1291.2
52.5°	1477.4	1486.2	1490.6	1511.2	1526.8	1541.5	1518.0	1501.9	1478.4	1459.4	1483.3
55°	1666.6	1664.1	1692.0	1736.9	1782.9	1817.6	1771.6	1720.8	1682.7	1643.1	1652.4
57.5°	1832.3	1840.6	1877.2	1959.3	2050.2	2123.5	2040.9	1943.2	1856.7	1800.0	1807.8
60°	1970.1	1976.9	2025.8	2144.1	2302.9	2404.1	2273.1	2111.8	1986.2	1908.0	1916.3
62.5°	2097.1	2103.5	2152.9	2283.4	2483.7	2615.7	2446.6	2226.2	2086.4	2007.7	2012.6
65°	2170.5	2174.4	2241.8	2379.1	2590.3	2726.6	2536.0	2308.8	2171.4	2091.3	2094.2
67.5°	2037.0	2043.4	2185.6	2375.2	2610.8	2728.6	2539.9	2311.2	2156.8	2052.2	2054.6
70°	1606.9	1601.6	1771.2	2097.1	2493.0	2646.5	2427.0	2137.7	1899.2	1753.1	1750.6
72.5°	1225.2	1226.7	1321.0	1544.4	2032.6	2442.2	2141.6	1721.3	1464.2	1353.3	1348.9
75°	888.5	902.2	978.9	1142.7	1421.7	1825.4	1612.3	1275.6	1103.6	1037.1	1027.3
77.5°	400.3	417.9	524.9	717.5	950.6	1008.7	1012.7	866.0	653.4	543.0	525.9
80°	116.8	125.1	160.8	275.2	442.8	572.3	454.5	382.2	238.0	186.7	177.9
82.5°	49.4	56.2	68.9	76.2	128.5	265.4	165.2	105.1	97.7	79.2	72.3
85°	21.0	22.5	28.8	30.8	41.5	56.7	52.3	47.4	45.5	35.2	32.3
87.5°	8.8	8.8	8.8	7.8	7.3	7.8	10.8	13.7	18.1	14.2	13.2
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)