

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: P631036

Luminaire Tested: GWS-SA1E-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631036
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-SA1E-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6102.6 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

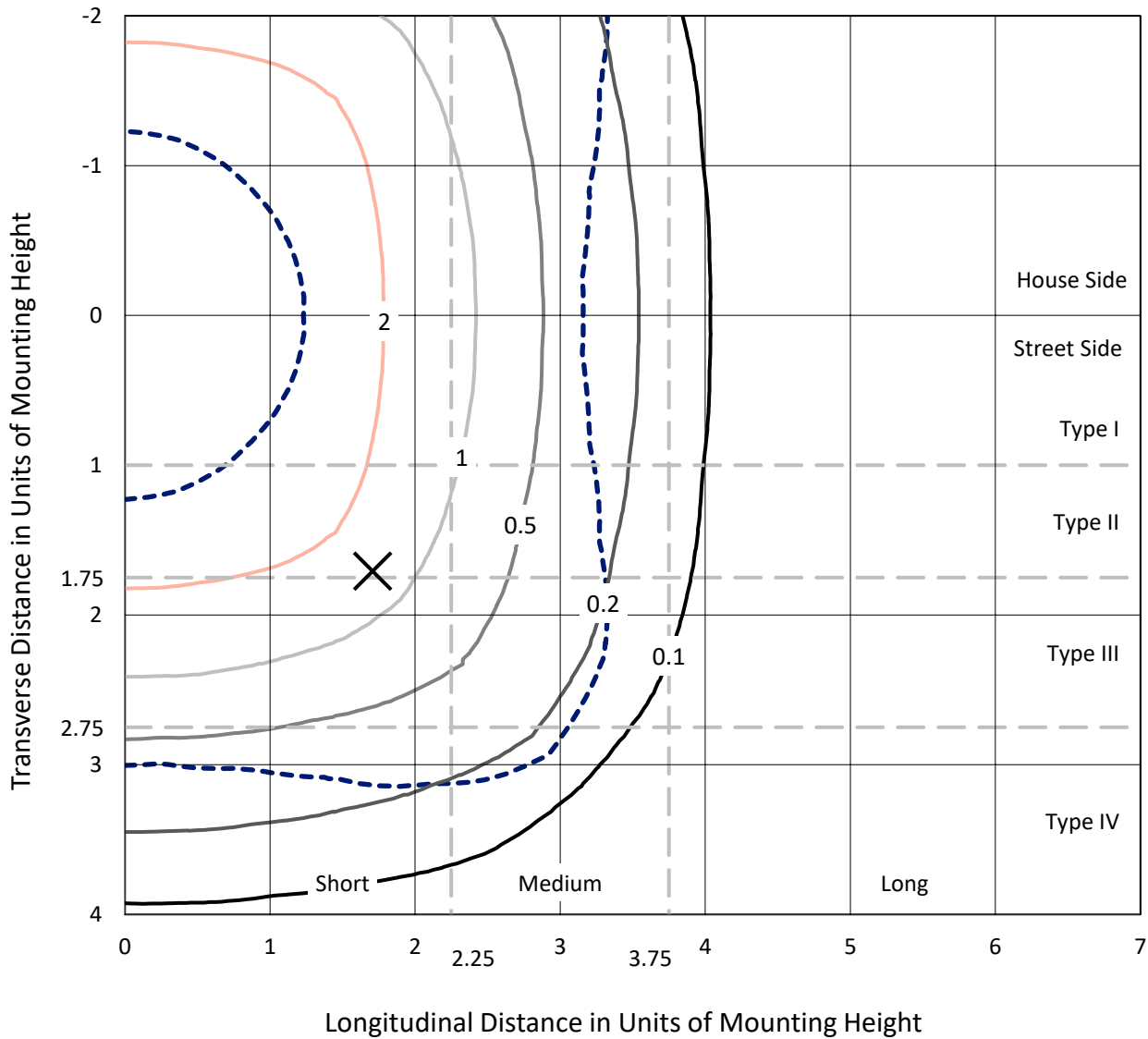
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

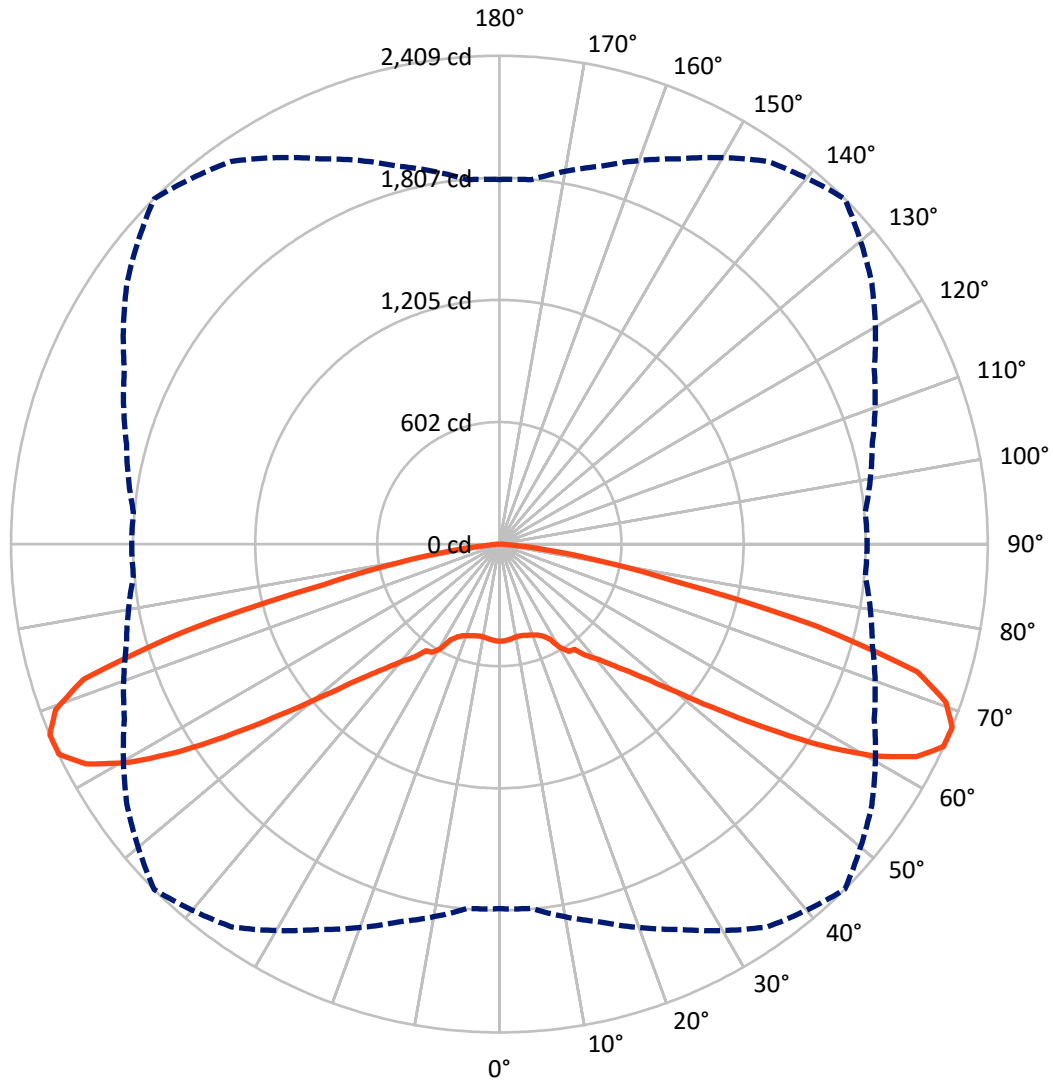
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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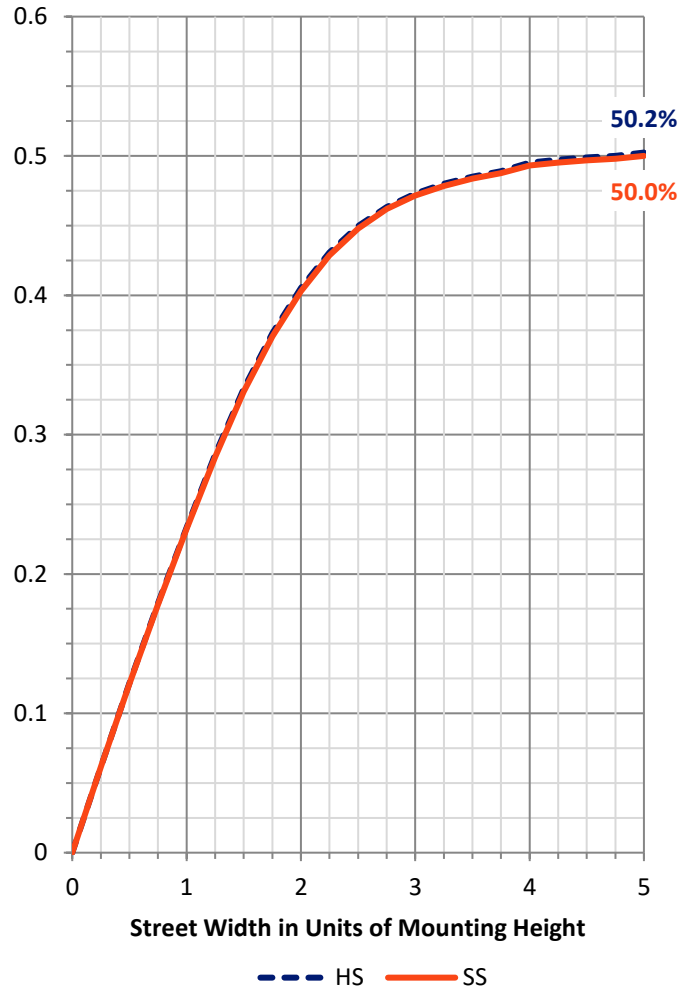
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3051.3	0.0	3051.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3051.3	0.0	3051.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6102.6	0.0	6102.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	0.7
10°-20°	133.3	2.2
20°-30°	239.2	3.9
30°-40°	404.1	6.6
40°-50°	710.0	11.6
50°-60°	1369.6	22.4
60°-70°	1987.0	32.6
70°-80°	1136.9	18.6
80°-90°	77.6	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°	6102.6	100.0
0°-180°	6102.6	100.0

Coefficient of Utilization



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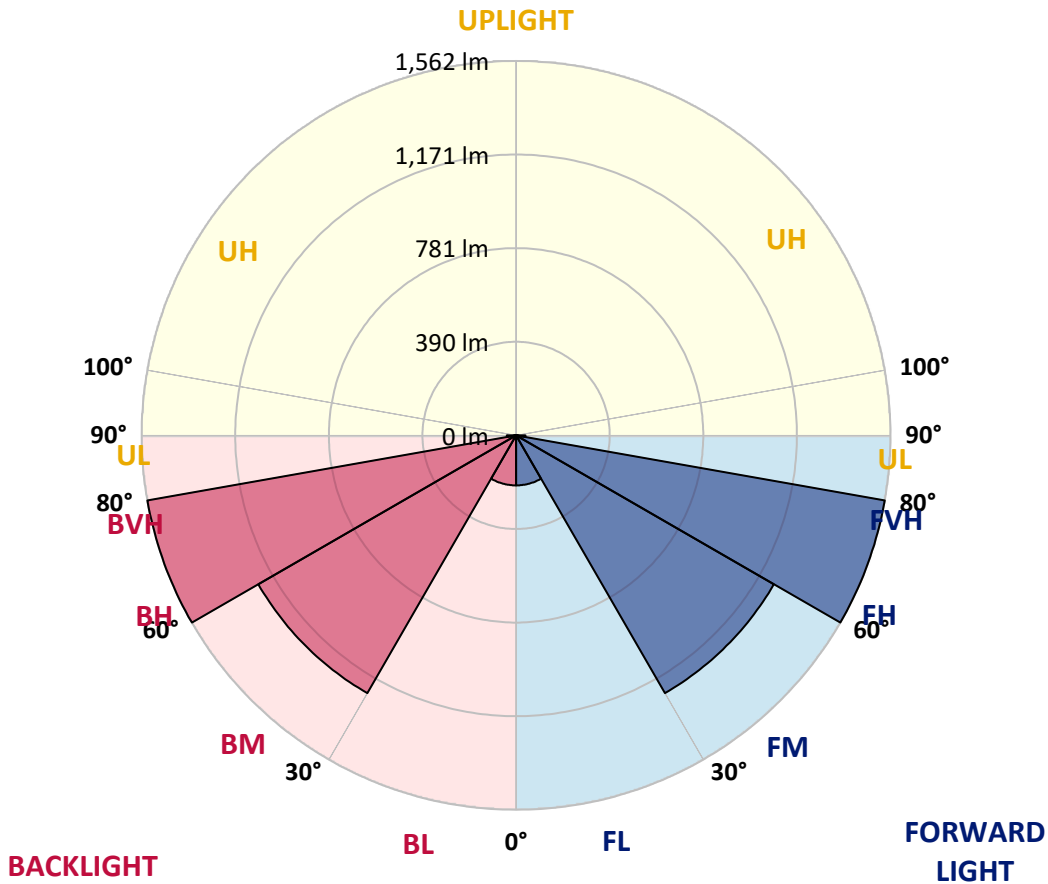
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.7	3.4			
FM (30°-60°)	1241.8	20.3			
FH (60°-80°)	1562.0	25.6			G1/1800
FVH (80°-90°)	38.8	0.6			G1/100
BL (0°-30°)	208.7	3.4	B1/500		
BM (30°-60°)	1241.8	20.3	B2/2500		
BH (60°-80°)	1562.0	25.6	B3/2500		G1/1800
BVH (80°-90°)	38.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		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°	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6	478.6
2.5°	474.7	475.1	476.0	476.0	476.8	478.1	478.6	477.7	478.1	476.0	478.1
5°	473.4	473.8	474.3	473.4	473.4	473.8	473.8	473.0	473.4	471.2	473.4
7.5°	470.4	470.8	470.8	469.5	468.2	469.1	469.1	468.2	468.6	466.5	469.1
10°	467.8	467.8	467.3	464.8	463.5	464.8	465.2	465.6	467.3	465.6	468.6
12.5°	469.5	469.5	468.2	464.8	462.6	463.5	464.3	465.2	468.2	467.8	471.2
15°	474.3	474.7	471.2	467.3	466.1	467.3	466.5	466.1	469.9	471.2	475.1
17.5°	478.1	478.1	473.8	469.9	470.4	472.5	470.8	468.6	472.5	475.1	479.4
20°	481.6	481.2	476.4	473.8	475.5	478.6	477.3	474.3	476.8	479.9	483.7
22.5°	490.2	489.8	484.6	483.3	485.0	488.1	486.8	484.2	487.2	491.5	496.3
25°	514.8	514.0	506.2	501.9	501.0	503.2	502.7	501.9	506.6	511.8	517.4
27.5°	547.6	547.2	541.6	537.3	531.6	529.9	531.2	535.1	542.0	545.9	550.6
30°	564.0	564.0	563.1	570.1	582.1	593.8	584.7	570.1	564.0	562.3	567.0
32.5°	585.6	587.7	584.7	592.5	612.8	630.0	612.8	589.0	584.7	584.7	589.9
35°	635.2	636.1	631.3	630.0	636.5	638.7	630.5	621.8	626.6	627.4	633.9
37.5°	674.9	674.9	672.8	676.2	689.6	697.8	684.4	668.9	670.2	671.0	679.2
40°	736.2	737.9	732.7	732.3	737.5	744.8	730.6	720.7	727.6	729.7	742.2
42.5°	812.6	812.6	804.8	802.6	806.1	813.9	800.5	794.0	803.1	804.8	812.1
45°	903.6	905.8	895.4	891.5	893.3	895.9	886.4	883.3	892.0	895.9	908.8
47.5°	1014.5	1016.7	1007.6	1007.2	1005.5	1007.2	998.1	996.4	1003.3	1000.3	1014.1
50°	1151.3	1155.2	1147.4	1158.2	1156.9	1162.1	1149.6	1140.5	1140.5	1132.3	1140.1
52.5°	1304.5	1312.3	1316.2	1334.3	1348.1	1361.1	1340.3	1326.1	1305.4	1288.6	1309.7
55°	1471.5	1469.4	1494.0	1533.7	1574.2	1604.9	1564.3	1519.4	1485.8	1450.8	1459.0
57.5°	1617.8	1625.1	1657.5	1730.0	1810.3	1875.0	1802.1	1715.8	1639.4	1589.3	1596.2
60°	1739.5	1745.5	1788.7	1893.1	2033.4	2122.7	2007.1	1864.6	1753.7	1684.7	1692.0
62.5°	1851.7	1857.3	1900.9	2016.1	2193.0	2309.6	2160.2	1965.6	1842.2	1772.7	1777.0
65°	1916.4	1919.9	1979.4	2100.7	2287.1	2407.5	2239.2	2038.6	1917.3	1846.5	1849.1
67.5°	1798.6	1804.2	1929.8	2097.2	2305.2	2409.2	2242.7	2040.7	1904.3	1812.0	1814.2
70°	1418.9	1414.1	1563.9	1851.7	2201.2	2336.7	2143.0	1887.5	1676.9	1547.9	1545.7
72.5°	1081.8	1083.1	1166.4	1363.6	1794.7	2156.4	1891.0	1519.9	1292.9	1194.9	1191.0
75°	784.5	796.6	864.4	1008.9	1255.3	1611.8	1423.6	1126.3	974.4	915.7	907.1
77.5°	353.4	369.0	463.5	633.5	839.3	890.7	894.1	764.7	577.0	479.4	464.3
80°	103.1	110.5	142.0	243.0	391.0	505.3	401.3	337.5	210.2	164.8	157.1
82.5°	43.6	49.6	60.8	67.3	113.5	234.3	145.9	92.8	86.3	69.9	63.9
85°	18.6	19.9	25.5	27.2	36.7	50.1	46.2	41.9	40.1	31.1	28.5
87.5°	7.8	7.8	7.8	6.9	6.5	6.9	9.5	12.1	16.0	12.5	11.7
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)