

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: P639946

Luminaire Tested: GWS-SA5C-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639946
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-SA5C-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19177.4 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

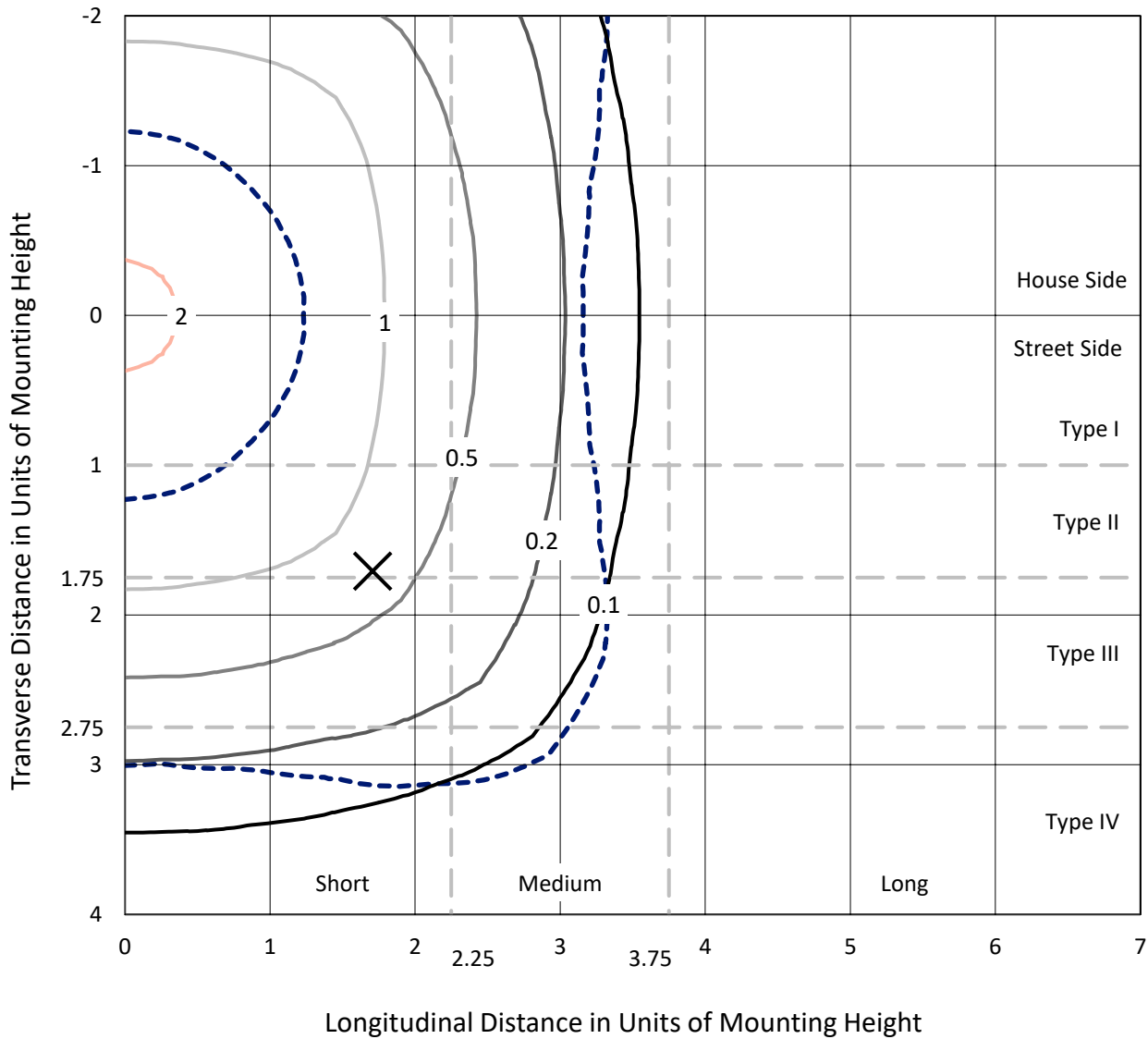
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

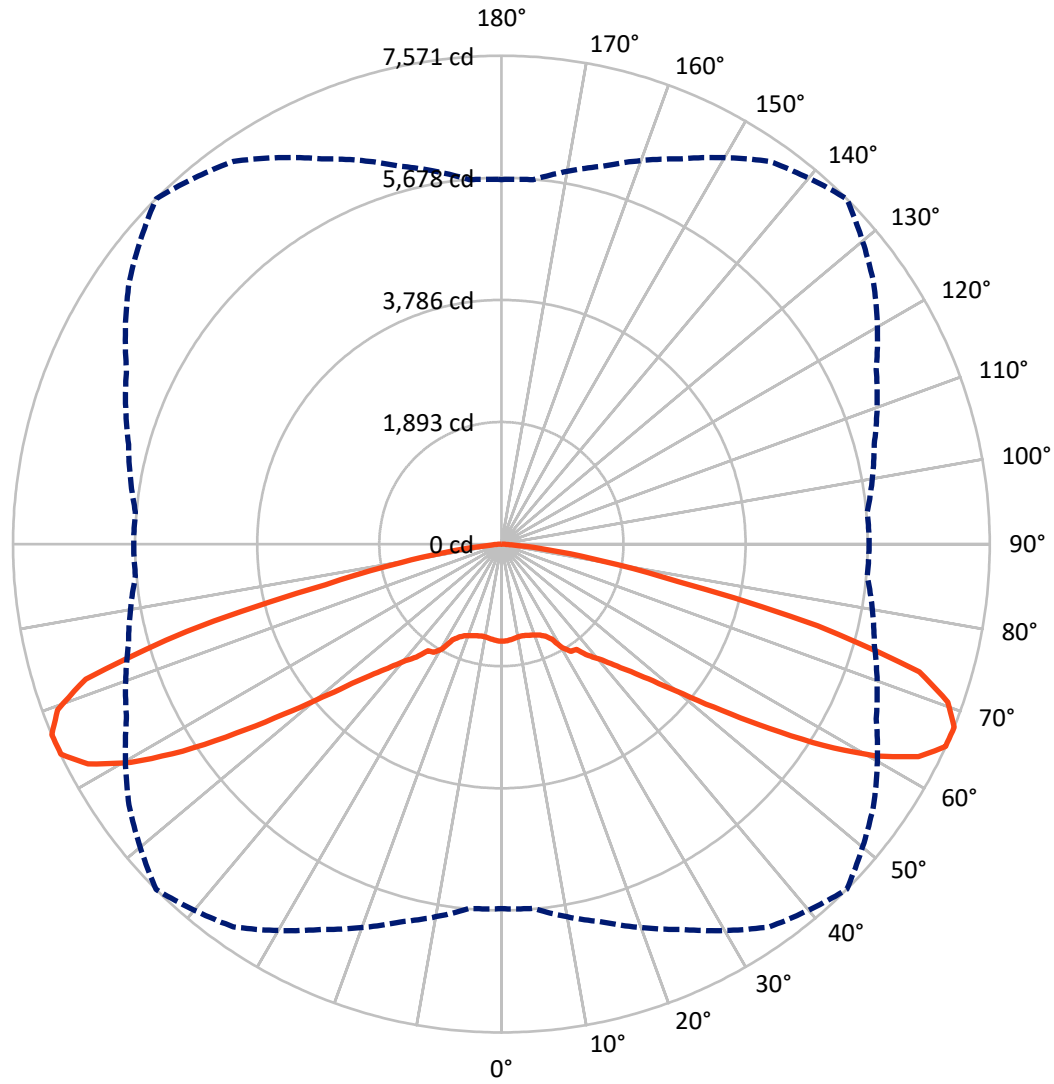
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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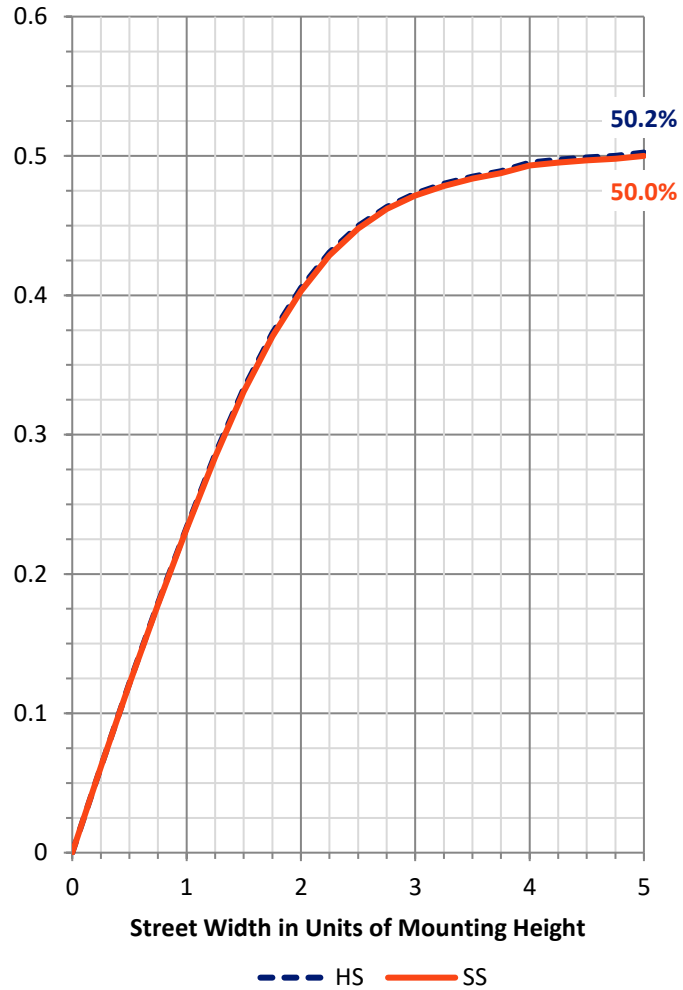
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9588.7	0.0	9588.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9588.7	0.0	9588.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	19177.4	0.0	19177.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	0.7
10°-20°	419.0	2.2
20°-30°	751.7	3.9
30°-40°	1269.8	6.6
40°-50°	2231.1	11.6
50°-60°	4303.8	22.4
60°-70°	6244.3	32.6
70°-80°	3572.7	18.6
80°-90°	243.8	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°	19177.4	100.0
0°-180°	19177.4	100.0

Coefficient of Utilization



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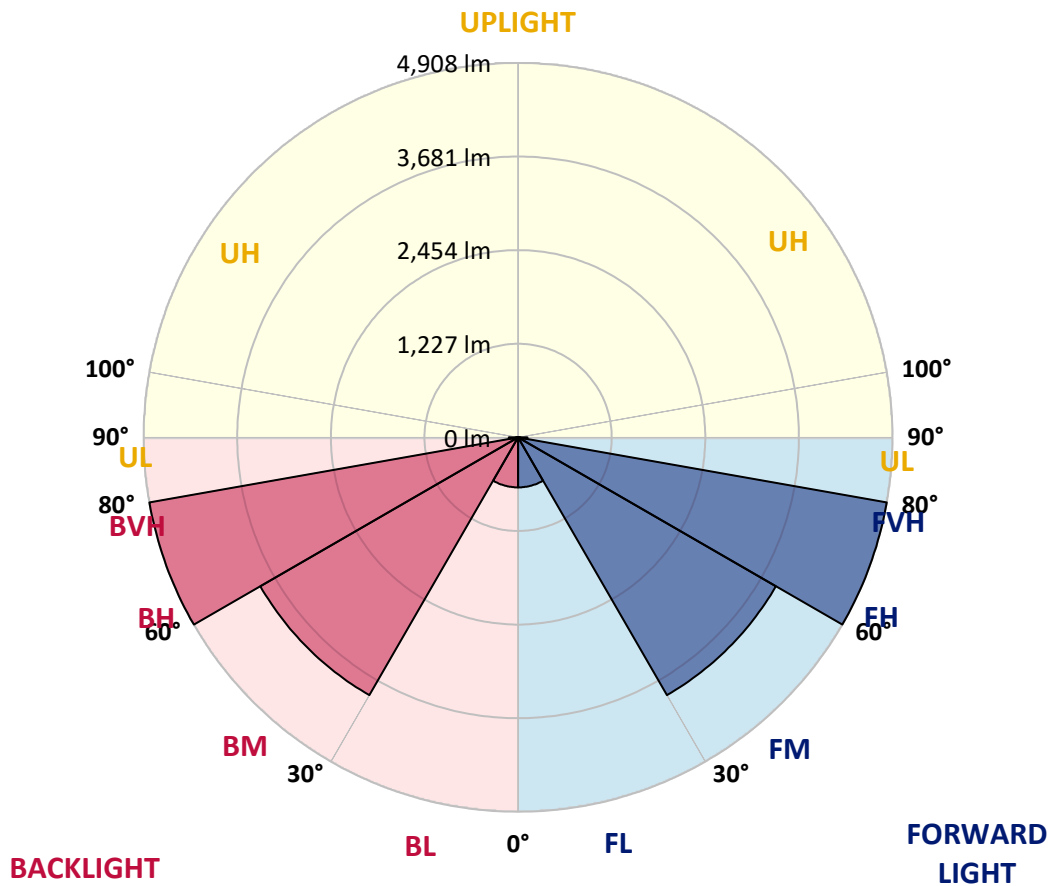
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.0	3.4			
FM (30°-60°)	3902.3	20.3			
FH (60°-80°)	4908.5	25.6			G2/5000
FVH (80°-90°)	121.9	0.6			G2/225
BL (0°-30°)	656.0	3.4	B2/1000		
BM (30°-60°)	3902.3	20.3	B3/5000		
BH (60°-80°)	4908.5	25.6	B4/5000		G2/5000
BVH (80°-90°)	121.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9	1503.9
2.5°	1491.7	1493.1	1495.8	1495.8	1498.5	1502.5	1503.9	1501.2	1502.5	1495.8	1502.5
5°	1487.6	1489.0	1490.3	1487.6	1487.6	1489.0	1489.0	1486.3	1487.6	1480.8	1487.6
7.5°	1478.1	1479.5	1479.5	1475.4	1471.4	1474.1	1474.1	1471.4	1472.7	1465.9	1474.1
10°	1470.0	1470.0	1468.6	1460.5	1456.4	1460.5	1461.9	1463.2	1468.6	1463.2	1472.7
12.5°	1475.4	1475.4	1471.4	1460.5	1453.7	1456.4	1459.1	1461.9	1471.4	1470.0	1480.8
15°	1490.3	1491.7	1480.8	1468.6	1464.6	1468.6	1465.9	1464.6	1476.8	1480.8	1493.1
17.5°	1502.5	1502.5	1489.0	1476.8	1478.1	1484.9	1479.5	1472.7	1484.9	1493.1	1506.6
20°	1513.4	1512.0	1497.1	1489.0	1494.4	1503.9	1499.8	1490.3	1498.5	1508.0	1520.2
22.5°	1540.5	1539.2	1522.9	1518.8	1524.2	1533.7	1529.7	1521.5	1531.0	1544.6	1559.5
25°	1617.8	1615.1	1590.7	1577.1	1574.4	1581.2	1579.8	1577.1	1592.0	1608.3	1625.9
27.5°	1720.9	1719.5	1701.9	1688.3	1670.7	1665.3	1669.3	1681.5	1703.2	1715.4	1730.4
30°	1772.4	1772.4	1769.7	1791.4	1829.4	1866.0	1837.5	1791.4	1772.4	1767.0	1781.9
32.5°	1840.2	1847.0	1837.5	1861.9	1925.6	1979.9	1925.6	1851.1	1837.5	1837.5	1853.8
35°	1996.2	1998.9	1984.0	1979.9	2000.2	2007.0	1981.2	1954.1	1969.0	1971.7	1992.1
37.5°	2120.9	2120.9	2114.1	2125.0	2167.0	2192.8	2150.8	2101.9	2106.0	2108.7	2134.5
40°	2313.5	2318.9	2302.6	2301.3	2317.6	2340.6	2295.9	2264.7	2286.4	2293.1	2332.5
42.5°	2553.5	2553.5	2529.1	2522.3	2533.2	2557.6	2515.5	2495.2	2523.7	2529.1	2552.2
45°	2839.6	2846.4	2813.9	2801.7	2807.1	2815.2	2785.4	2775.9	2803.0	2815.2	2855.9
47.5°	3188.2	3194.9	3166.5	3165.1	3159.7	3165.1	3136.6	3131.2	3152.9	3143.4	3186.8
50°	3618.0	3630.2	3605.8	3639.7	3635.7	3651.9	3612.6	3584.1	3584.1	3558.4	3582.8
52.5°	4099.4	4123.9	4136.1	4193.0	4236.4	4277.1	4212.0	4167.3	4102.2	4049.3	4115.7
55°	4624.3	4617.5	4694.8	4819.5	4947.0	5043.3	4915.8	4774.8	4669.0	4559.2	4584.9
57.5°	5084.0	5107.0	5208.7	5436.5	5688.8	5892.2	5663.0	5391.8	5151.8	4994.5	5016.2
60°	5466.4	5485.4	5621.0	5949.2	6389.9	6670.6	6307.2	5859.6	5511.1	5294.2	5317.2
62.5°	5819.0	5836.6	5973.6	6335.6	6891.6	7257.8	6788.6	6177.0	5789.1	5570.8	5584.4
65°	6022.4	6033.2	6220.4	6601.4	7187.3	7565.6	7036.7	6406.2	6025.1	5802.7	5810.8
67.5°	5652.2	5669.8	6064.4	6590.6	7244.2	7571.0	7047.6	6412.9	5984.4	5694.2	5701.0
70°	4458.8	4443.9	4914.5	5819.0	6917.4	7343.2	6734.3	5931.5	5269.8	4864.3	4857.5
72.5°	3399.7	3403.8	3665.5	4285.2	5640.0	6776.4	5942.4	4776.1	4062.8	3755.0	3742.8
75°	2465.4	2503.3	2716.2	3170.5	3944.9	5065.0	4473.7	3539.4	3062.0	2877.6	2850.5
77.5°	1110.6	1159.5	1456.4	1990.7	2637.6	2799.0	2809.8	2403.0	1813.1	1506.6	1459.1
80°	324.1	347.2	446.2	763.5	1228.6	1588.0	1261.2	1060.5	660.4	518.0	493.6
82.5°	137.0	155.9	191.2	211.5	356.7	736.4	458.4	291.6	271.2	219.7	200.7
85°	58.3	62.4	80.0	85.4	115.3	157.3	145.1	131.5	126.1	97.6	89.5
87.5°	24.4	24.4	24.4	21.7	20.3	21.7	29.8	38.0	50.2	39.3	36.6
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)