

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: P637306

Luminaire Tested: GWS-SA4C-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637306
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-SA4C-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20130.5 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

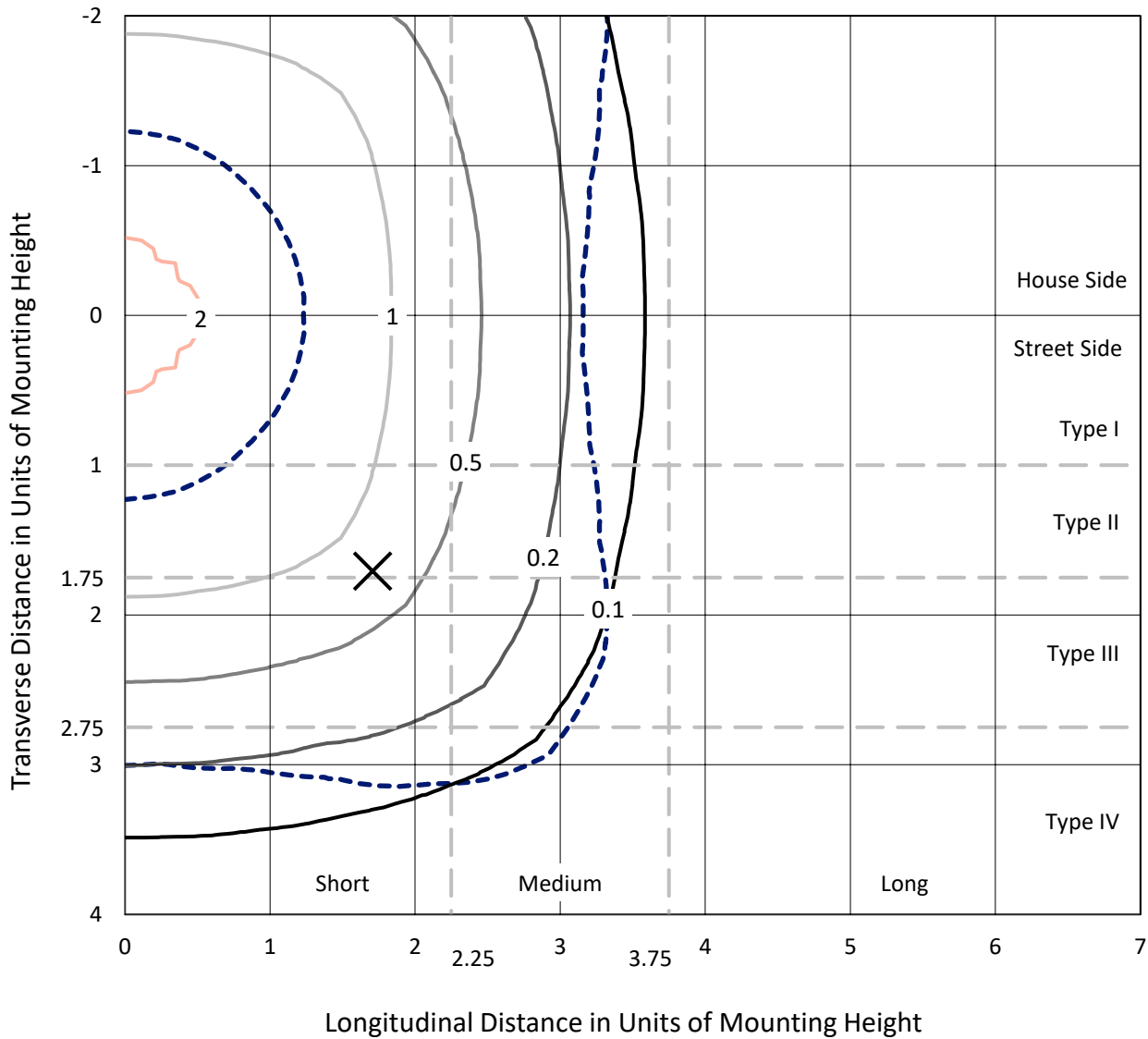
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

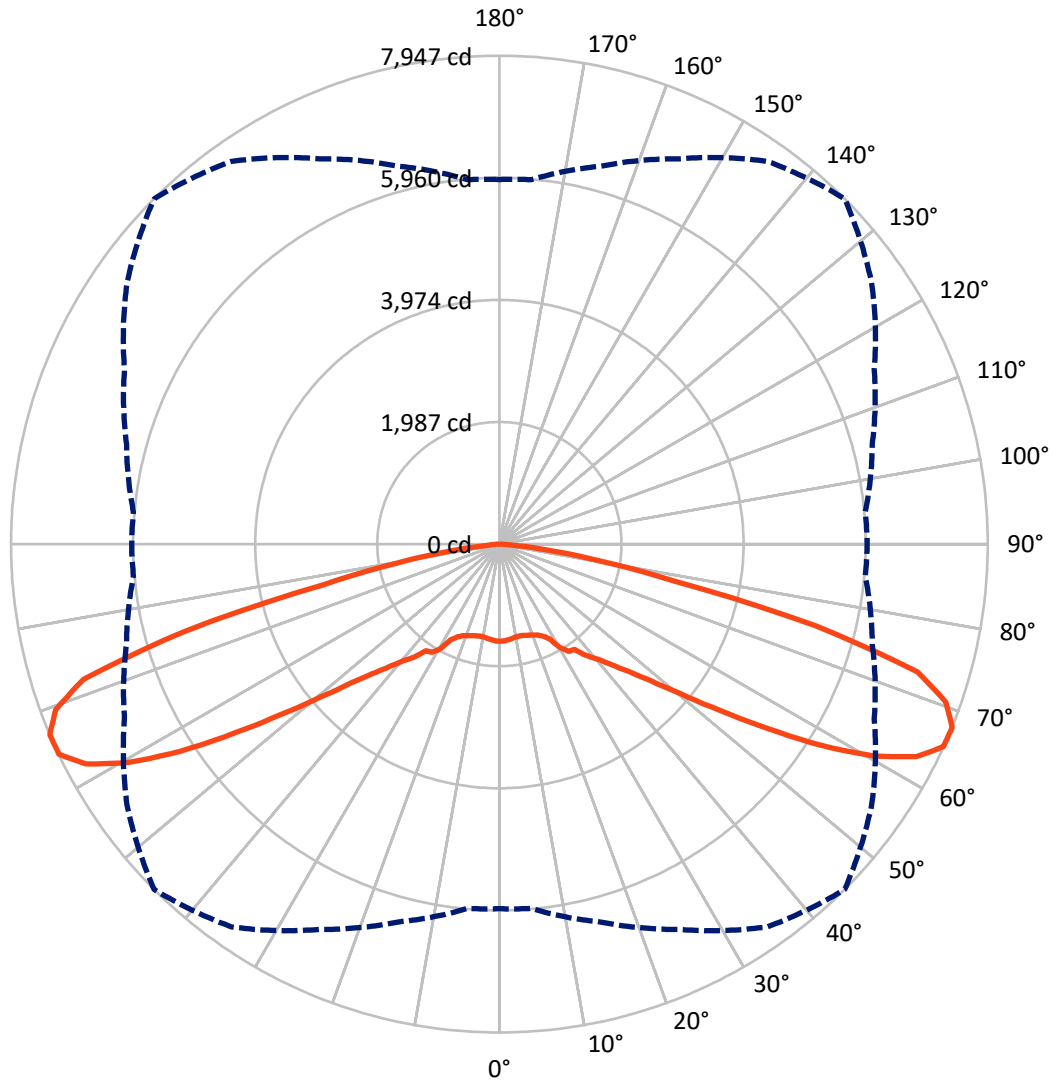
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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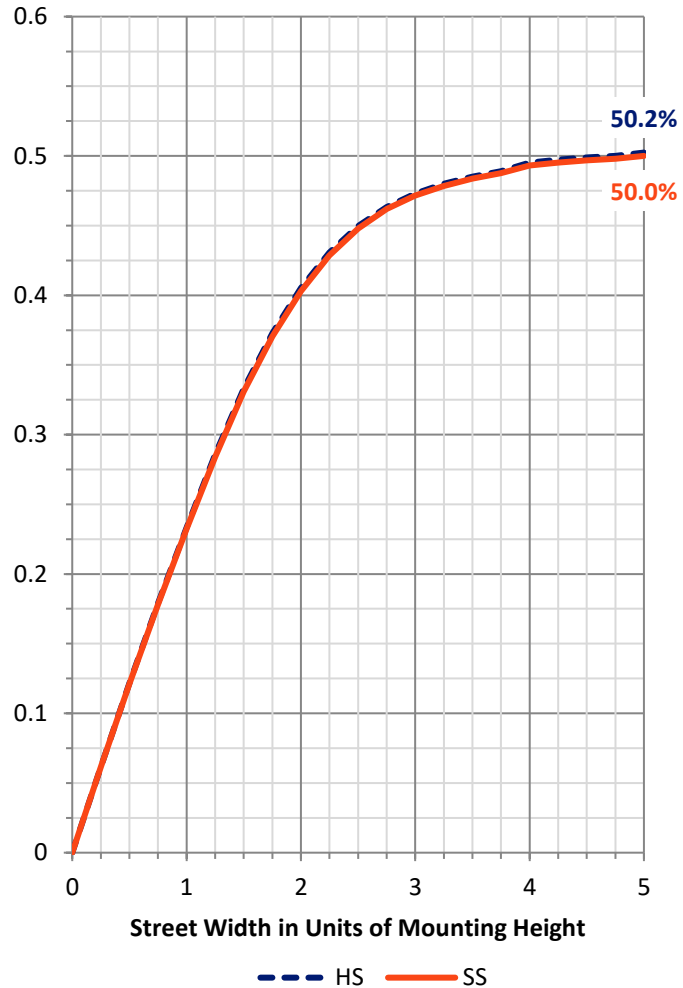
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10065.2	0.0	10065.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10065.2	0.0	10065.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20130.5	0.0	20130.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	0.7
10°-20°	439.9	2.2
20°-30°	789.0	3.9
30°-40°	1332.9	6.6
40°-50°	2341.9	11.6
50°-60°	4517.7	22.4
60°-70°	6554.6	32.6
70°-80°	3750.2	18.6
80°-90°	256.0	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°	20130.5	100.0
0°-180°	20130.5	100.0

Coefficient of Utilization



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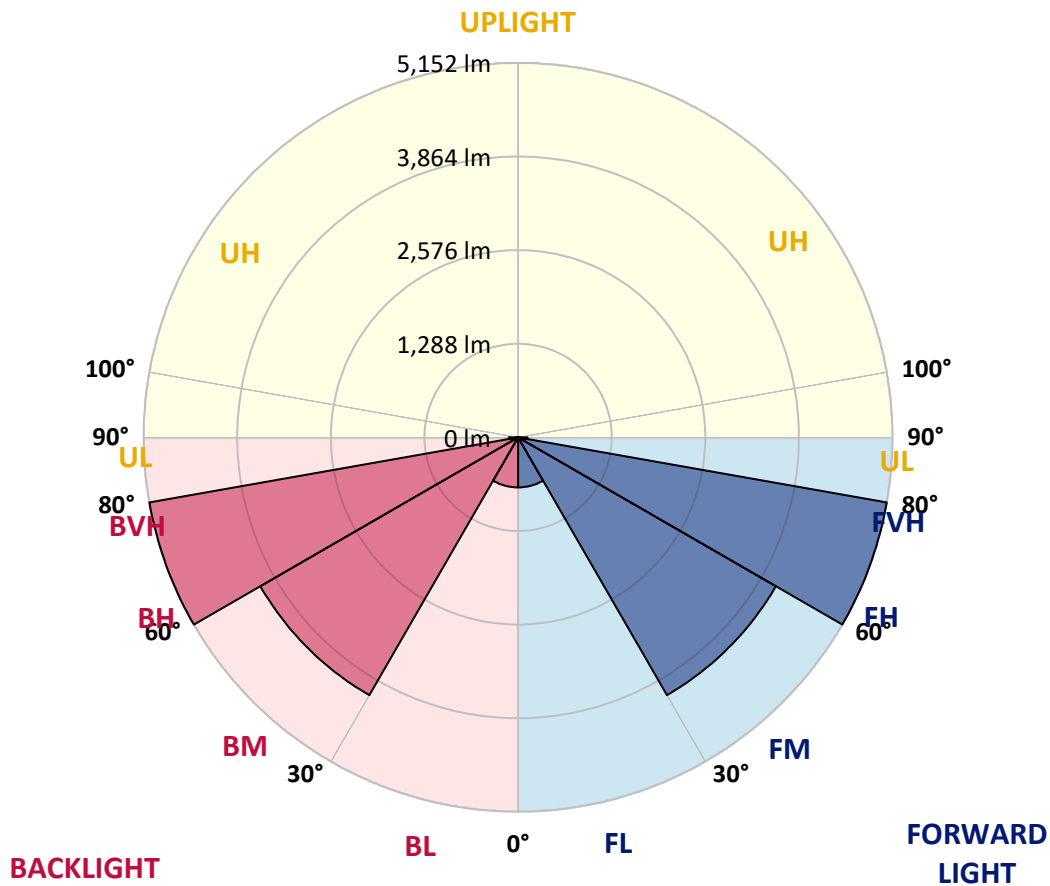
CATALOG NUMBER: GWS-SA4C-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.6	3.4			
FM (30°-60°)	4096.3	20.3			
FH (60°-80°)	5152.4	25.6			G3/7500
FVH (80°-90°)	128.0	0.6			G2/225
BL (0°-30°)	688.6	3.4	B2/1000		
BM (30°-60°)	4096.3	20.3	B3/5000		
BH (60°-80°)	5152.4	25.6	B5		G3/7500
BVH (80°-90°)	128.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6	1578.6
2.5°	1565.8	1567.3	1570.1	1570.1	1572.9	1577.2	1578.6	1575.8	1577.2	1570.1	1577.2
5°	1561.6	1563.0	1564.4	1561.6	1561.6	1563.0	1563.0	1560.1	1561.6	1554.4	1561.6
7.5°	1551.6	1553.0	1553.0	1548.7	1544.5	1547.3	1547.3	1544.5	1545.9	1538.8	1547.3
10°	1543.1	1543.1	1541.6	1533.1	1528.8	1533.1	1534.5	1535.9	1541.6	1535.9	1545.9
12.5°	1548.7	1548.7	1544.5	1533.1	1526.0	1528.8	1531.7	1534.5	1544.5	1543.1	1554.4
15°	1564.4	1565.8	1554.4	1541.6	1537.4	1541.6	1538.8	1537.4	1550.2	1554.4	1567.3
17.5°	1577.2	1577.2	1563.0	1550.2	1551.6	1558.7	1553.0	1545.9	1558.7	1567.3	1581.5
20°	1588.6	1587.2	1571.5	1563.0	1568.7	1578.6	1574.4	1564.4	1572.9	1582.9	1595.7
22.5°	1617.1	1615.7	1598.6	1594.3	1600.0	1610.0	1605.7	1597.1	1607.1	1621.3	1637.0
25°	1698.2	1695.4	1669.7	1655.5	1652.7	1659.8	1658.4	1655.5	1671.2	1688.3	1706.8
27.5°	1806.4	1805.0	1786.5	1772.2	1753.7	1748.0	1752.3	1765.1	1787.9	1800.7	1816.4
30°	1860.5	1860.5	1857.6	1880.4	1920.3	1958.7	1928.8	1880.4	1860.5	1854.8	1870.5
32.5°	1931.7	1938.8	1928.8	1954.4	2021.3	2078.3	2021.3	1943.1	1928.8	1928.8	1945.9
35°	2095.4	2098.2	2082.6	2078.3	2099.6	2106.8	2079.7	2051.2	2066.9	2069.7	2091.1
37.5°	2226.3	2226.3	2219.2	2230.6	2274.7	2301.8	2257.6	2206.4	2210.7	2213.5	2240.6
40°	2428.5	2434.2	2417.1	2415.6	2432.7	2456.9	2410.0	2377.2	2400.0	2407.1	2448.4
42.5°	2680.4	2680.4	2654.8	2647.7	2659.1	2684.7	2640.6	2619.2	2649.1	2654.8	2679.0
45°	2980.8	2987.9	2953.7	2940.9	2946.6	2955.1	2923.8	2913.9	2942.3	2955.1	2997.9
47.5°	3346.6	3353.7	3323.8	3322.4	3316.7	3322.4	3292.5	3286.8	3309.6	3299.6	3345.2
50°	3797.9	3810.7	3785.0	3820.6	3816.4	3833.4	3792.2	3762.3	3762.3	3735.2	3760.8
52.5°	4303.2	4328.8	4341.6	4401.4	4447.0	4489.7	4421.3	4374.4	4306.0	4250.5	4320.3
55°	4854.1	4847.0	4928.1	5059.1	5192.9	5293.9	5160.1	5012.1	4901.1	4785.7	4812.8
57.5°	5336.6	5360.8	5467.6	5706.7	5971.5	6185.0	5944.5	5659.8	5407.8	5242.7	5265.5
60°	5738.1	5758.0	5900.3	6244.8	6707.4	7002.1	6620.6	6150.9	5785.0	5557.3	5581.5
62.5°	6108.2	6126.7	6270.4	6650.5	7234.1	7618.5	7126.0	6484.0	6076.8	5847.7	5861.9
65°	6321.7	6333.1	6529.5	6929.5	7544.5	7941.6	7386.5	6724.5	6324.5	6091.1	6099.6
67.5°	5933.1	5951.6	6365.8	6918.1	7604.2	7947.3	7397.8	6731.6	6281.8	5977.2	5984.3
70°	4680.4	4664.8	5158.7	6108.2	7261.2	7708.2	7069.0	6226.3	5531.7	5106.0	5098.9
72.5°	3568.7	3572.9	3847.7	4498.2	5920.3	7113.1	6237.7	5013.5	4264.8	3941.6	3928.8
75°	2587.9	2627.7	2851.2	3328.1	4140.9	5316.7	4696.1	3715.3	3214.2	3020.6	2992.2
77.5°	1165.8	1217.1	1528.8	2089.7	2768.7	2938.1	2949.5	2522.4	1903.2	1581.5	1531.7
80°	340.2	364.4	468.3	801.4	1289.7	1666.9	1323.8	1113.2	693.2	543.8	518.1
82.5°	143.8	163.7	200.7	222.1	374.4	773.0	481.1	306.0	284.7	230.6	210.7
85°	61.2	65.5	84.0	89.7	121.0	165.1	152.3	138.1	132.4	102.5	93.9
87.5°	25.6	25.6	25.6	22.8	21.4	22.8	31.3	39.9	52.7	41.3	38.4
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)