

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: P639779

Luminaire Tested: GWS-SA5C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12818.6 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

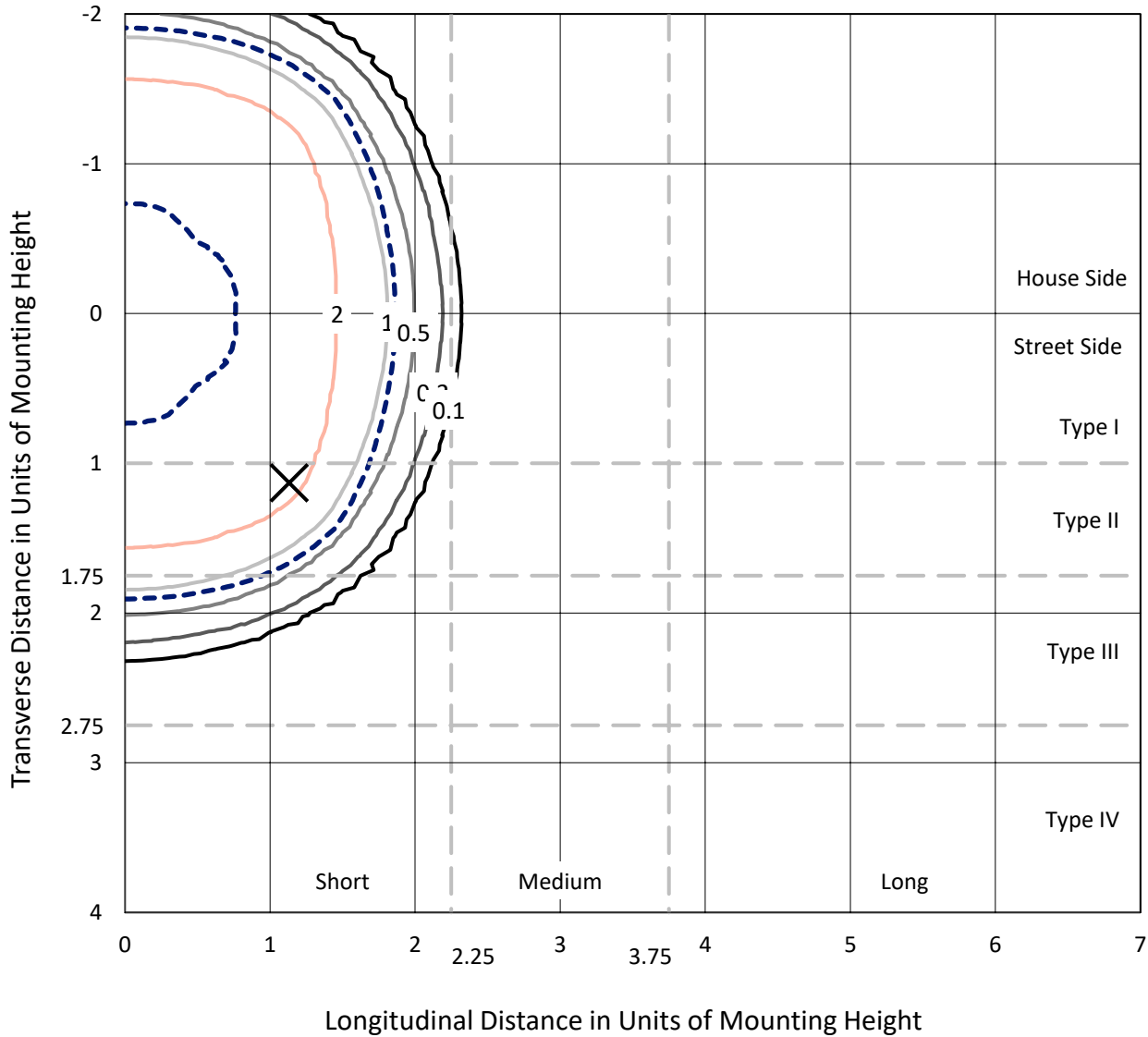


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Iso-Footcandle Lines of Horizontal Illumination

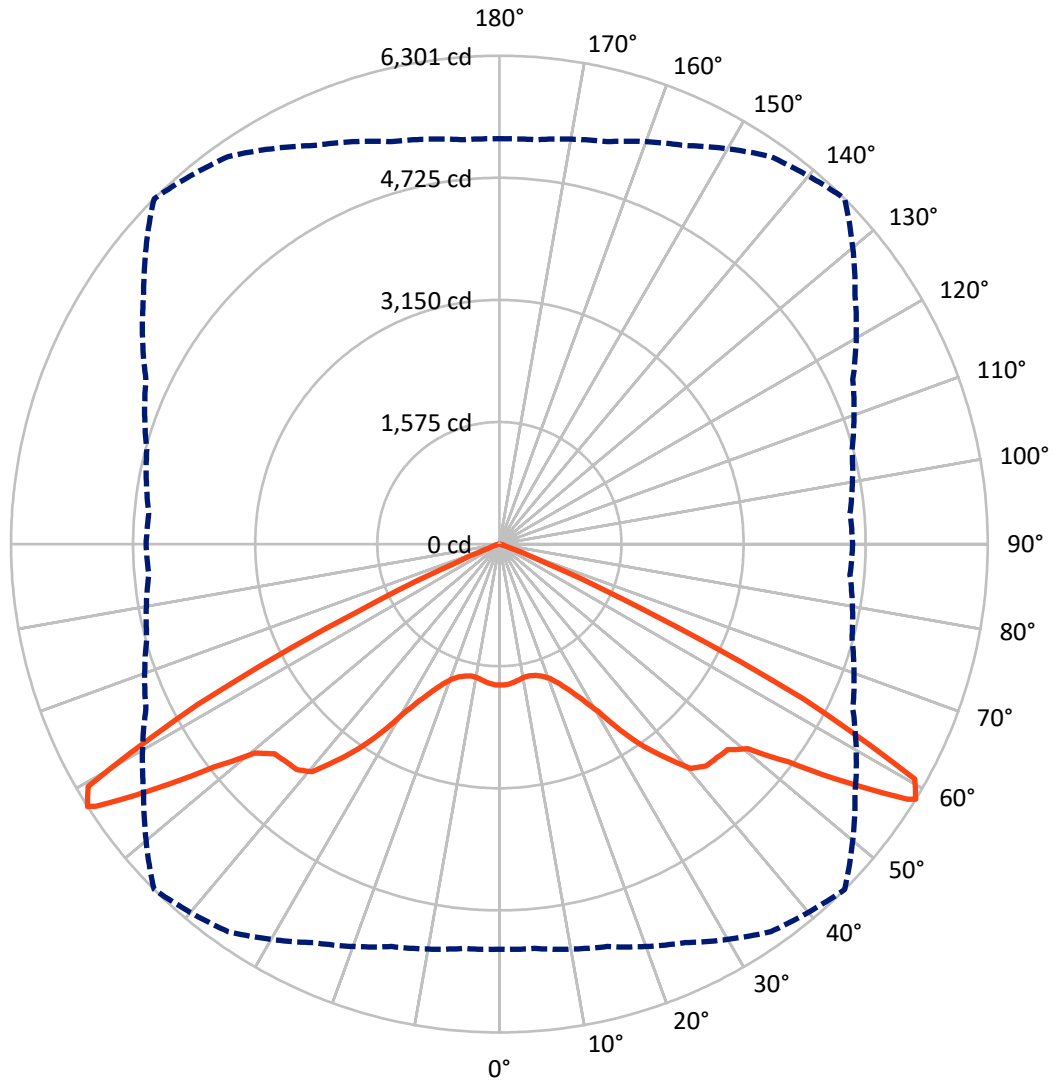
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6409.3	0.0	6409.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6409.3	0.0	6409.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12818.6	0.0	12818.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	1.3
10°-20°	501.9	3.9
20°-30°	949.1	7.4
30°-40°	1871.9	14.6
40°-50°	2962.3	23.1
50°-60°	4354.4	34.0
60°-70°	1943.6	15.2
70°-80°	65.1	0.5
80°-90°	0.5	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°	12818.6	100.0
0°-180°	12818.6	100.0

Coefficient of Utilization



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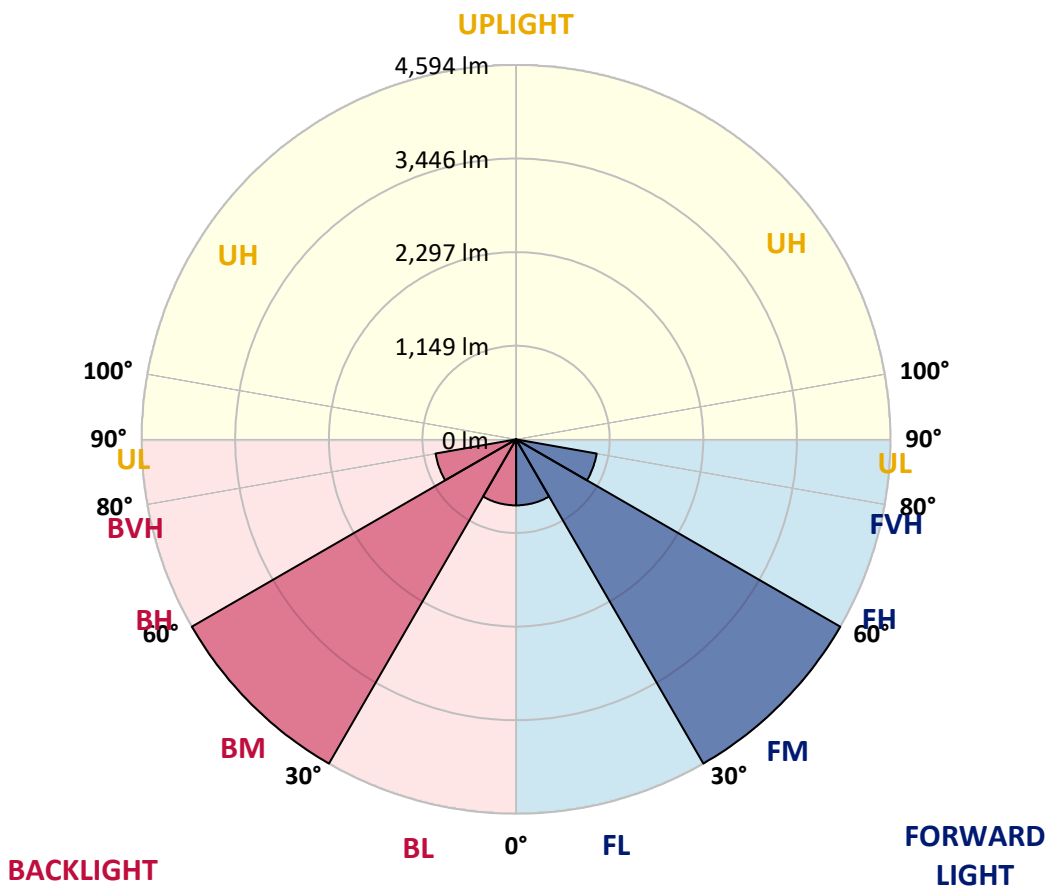
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.3	6.3			
FM (30°-60°)	4594.3	35.8			
FH (60°-80°)	1004.4	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	810.3	6.3	B2/1000		
BM (30°-60°)	4594.3	35.8	B3/5000		
BH (60°-80°)	1004.4	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	0.0			G0/10
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°	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8	1817.8
2.5°	1800.4	1803.9	1807.4	1809.1	1810.9	1816.1	1817.8	1812.6	1812.6	1802.1	1814.4
5°	1791.7	1795.1	1798.6	1796.9	1796.9	1796.9	1795.1	1788.2	1786.4	1775.9	1788.2
7.5°	1775.9	1779.4	1779.4	1774.2	1770.7	1770.7	1769.0	1760.2	1758.5	1748.0	1760.2
10°	1763.7	1765.5	1763.7	1753.2	1746.3	1746.3	1744.5	1741.0	1742.8	1735.8	1746.3
12.5°	1770.7	1772.4	1765.5	1751.5	1742.8	1741.0	1735.8	1730.5	1735.8	1734.0	1744.5
15°	1793.4	1795.1	1782.9	1765.5	1758.5	1758.5	1744.5	1730.5	1737.5	1739.3	1751.5
17.5°	1821.3	1821.3	1805.6	1789.9	1791.7	1791.7	1769.0	1744.5	1746.3	1753.2	1765.5
20°	1854.5	1854.5	1838.8	1835.3	1847.5	1849.3	1821.3	1782.9	1774.2	1779.4	1793.4
22.5°	1913.9	1913.9	1901.7	1910.4	1938.3	1947.1	1905.2	1851.0	1830.1	1833.6	1847.5
25°	2006.4	2006.4	2003.0	2023.9	2064.1	2083.3	2027.4	1955.8	1920.9	1915.6	1931.4
27.5°	2161.9	2163.6	2158.4	2189.8	2240.4	2263.1	2186.3	2092.0	2050.1	2041.4	2057.1
30°	2362.7	2362.7	2364.4	2408.1	2474.4	2504.1	2402.8	2292.8	2243.9	2216.0	2236.9
32.5°	2586.2	2589.7	2607.2	2680.5	2797.5	2858.6	2710.2	2556.5	2477.9	2448.2	2470.9
35°	2954.7	2921.5	2900.5	2954.7	3124.0	3204.4	3014.0	2834.2	2774.8	2771.3	2828.9
37.5°	3319.6	3300.4	3256.8	3312.6	3464.6	3501.2	3291.7	3141.5	3099.6	3122.3	3179.9
40°	3609.5	3574.6	3517.0	3569.3	3768.4	3805.1	3546.6	3398.2	3382.5	3433.1	3511.7
42.5°	3838.3	3789.4	3712.5	3724.8	3885.4	3911.6	3682.8	3571.1	3581.6	3644.4	3733.5
45°	3941.3	3902.9	3834.8	3829.5	3930.8	3932.6	3752.7	3695.1	3723.0	3771.9	3841.8
47.5°	3984.9	3967.5	3929.1	3920.3	3978.0	3964.0	3852.2	3827.8	3854.0	3867.9	3908.1
50°	4093.2	4093.2	4098.5	4105.4	4164.8	4150.8	4072.3	4044.3	4011.1	3962.2	3974.5
52.5°	4397.1	4409.3	4459.9	4515.8	4624.1	4669.5	4542.0	4379.6	4220.7	4114.2	4114.2
55°	4945.4	4957.6	5017.0	5111.3	5310.4	5418.6	5121.8	4763.8	4545.5	4400.6	4419.8
57.5°	5247.5	5261.5	5383.7	5638.6	6024.6	6207.9	5570.5	5039.7	4734.1	4568.2	4582.2
58°	5228.3	5237.0	5375.0	5673.6	6103.2	6300.5	5602.0	5031.0	4709.6	4540.3	4557.7
60°	4645.0	4632.8	4852.8	5278.9	5884.9	6157.3	5289.4	4592.6	4218.9	4046.1	4054.8
62.5°	3036.7	3043.7	3234.1	3679.4	4150.8	4407.5	3695.1	3176.4	2876.1	2771.3	2745.1
65°	1267.8	1245.1	1362.1	1610.0	1892.9	2036.1	1749.7	1480.8	1295.7	1225.9	1245.1
67.5°	326.5	317.8	324.8	406.9	497.7	588.5	494.2	377.2	328.3	331.8	331.8
70°	185.1	174.6	141.4	131.0	127.5	127.5	127.5	127.5	146.7	172.9	178.1
72.5°	139.7	131.0	103.0	89.1	78.6	73.3	76.8	89.1	106.5	129.2	132.7
75°	69.9	69.9	62.9	59.4	52.4	48.9	50.6	55.9	64.6	73.3	71.6
77.5°	14.0	15.7	17.5	21.0	17.5	17.5	17.5	21.0	21.0	22.7	21.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)