

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: P639498

Luminaire Tested: GWS-SA5C-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10716.9 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

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

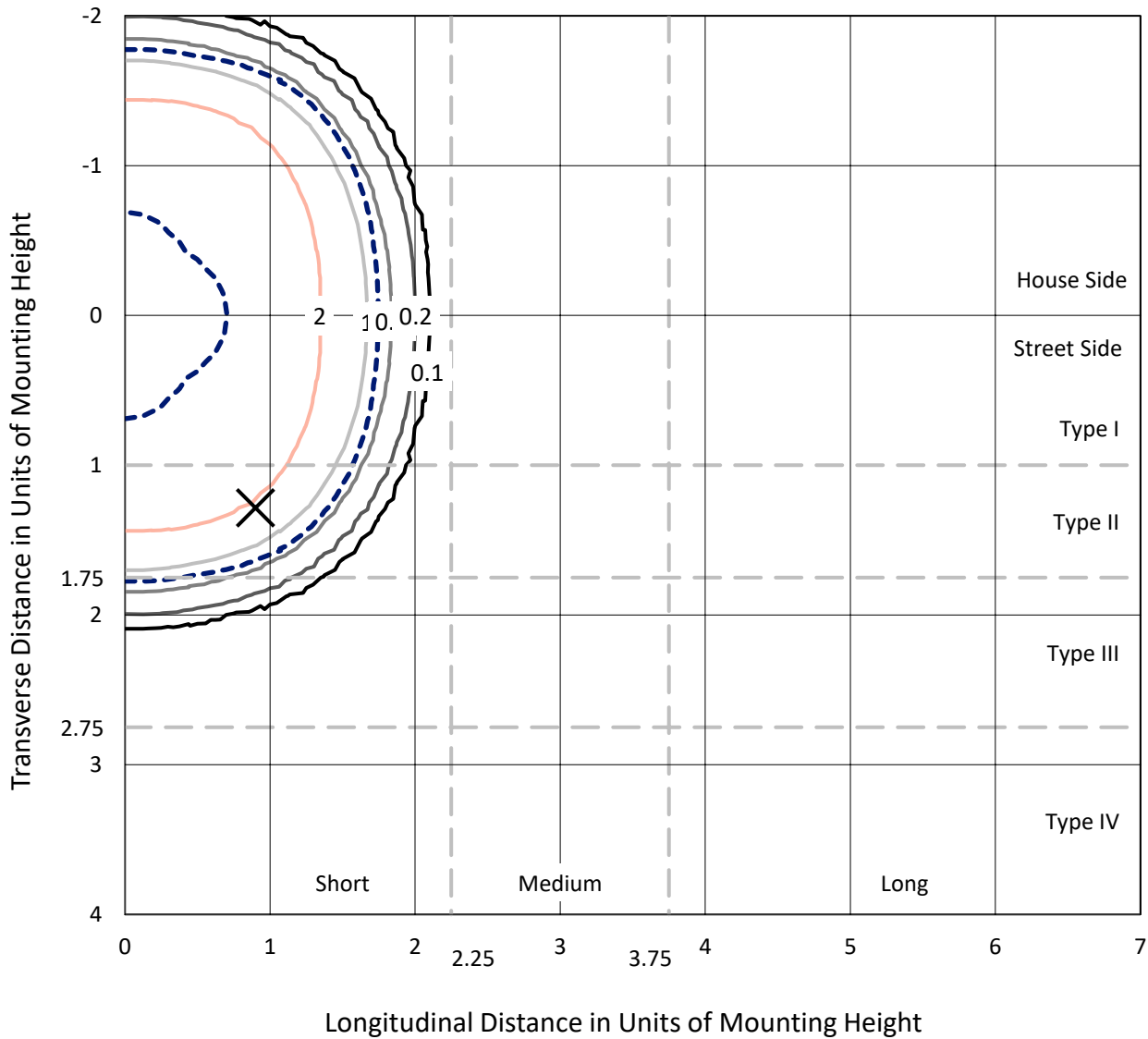


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Iso-Footcandle Lines of Horizontal Illumination

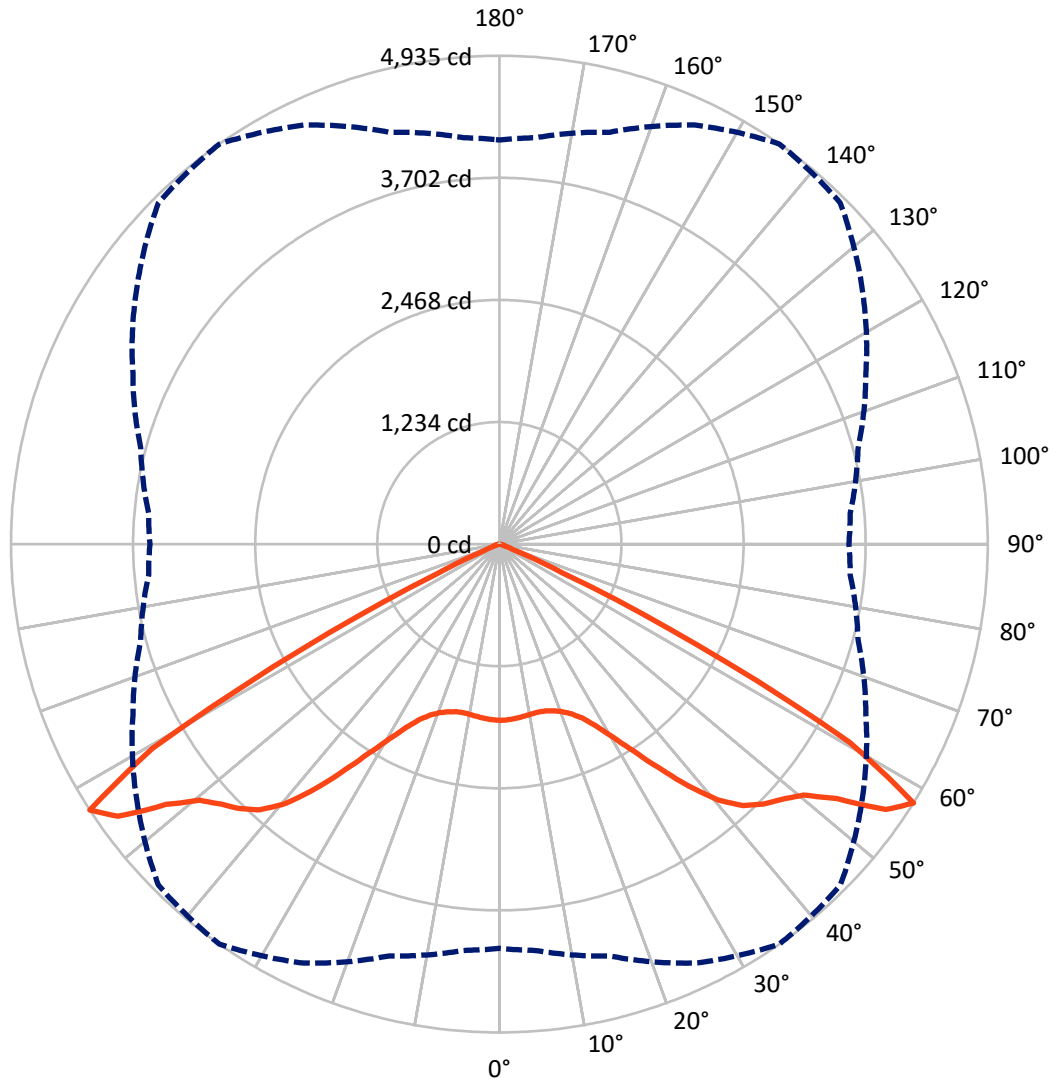
✕ Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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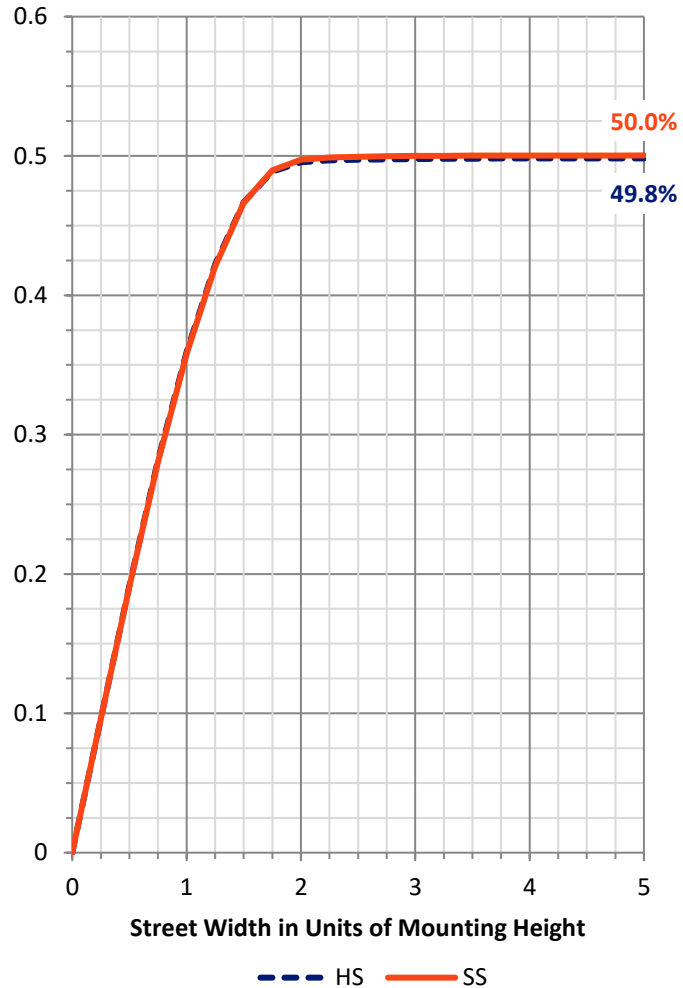
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5358.5	0.0	5358.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5358.5	0.0	5358.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10716.9	0.0	10716.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	1.6
10°-20°	493.8	4.6
20°-30°	892.6	8.3
30°-40°	1665.2	15.5
40°-50°	2793.4	26.1
50°-60°	3688.9	34.4
60°-70°	979.7	9.1
70°-80°	34.8	0.3
80°-90°	0.6	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°	10716.9	100.0
0°-180°	10716.9	100.0

Coefficient of Utilization



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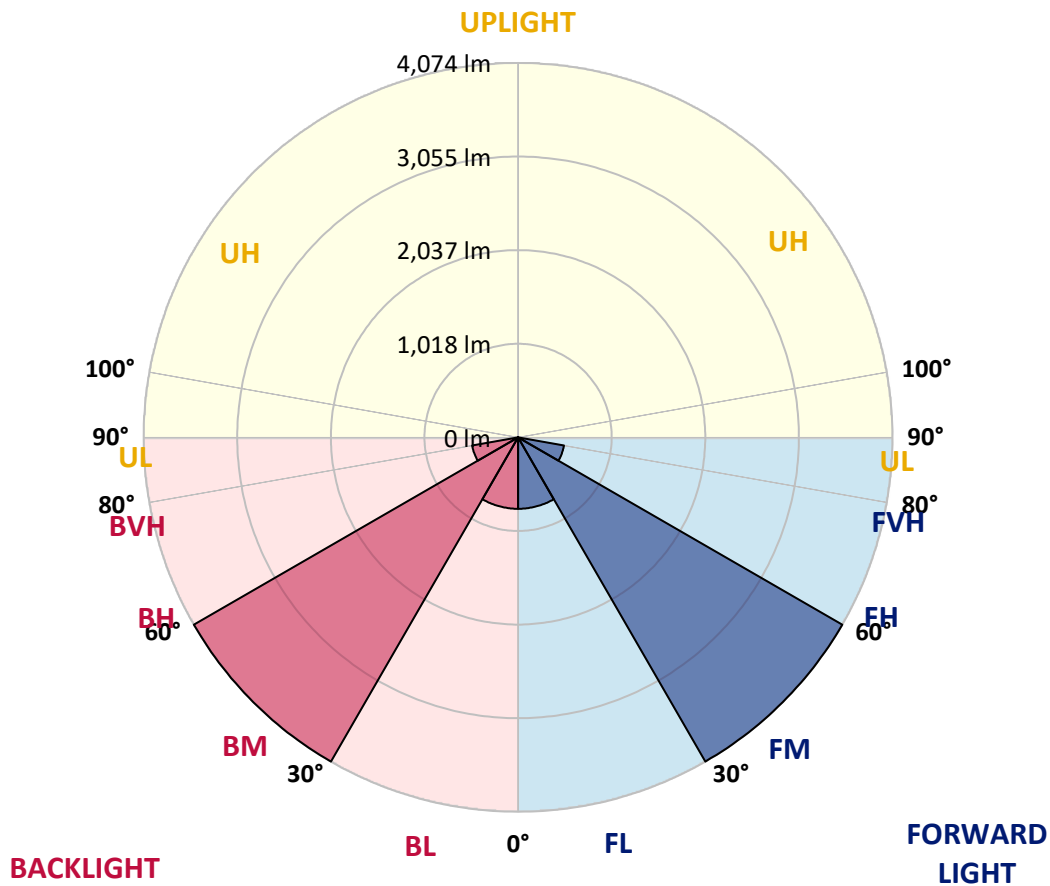
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.1	7.3			
FM (30°-60°)	4073.8	38.0			
FH (60°-80°)	507.3	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	777.1	7.3	B2/1000		
BM (30°-60°)	4073.8	38.0	B3/5000		
BH (60°-80°)	507.3	4.7	B2/1000		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8
2.5°	1769.2	1767.9	1773.0	1776.8	1776.8	1785.6	1783.0	1780.5	1778.0	1774.2	1783.0
5°	1766.7	1765.4	1769.2	1771.7	1769.2	1776.8	1771.7	1766.7	1764.2	1759.1	1769.2
7.5°	1755.4	1756.6	1759.1	1761.7	1757.9	1764.2	1757.9	1750.3	1744.1	1739.0	1747.8
10°	1737.8	1739.0	1741.5	1746.6	1747.8	1756.6	1747.8	1734.0	1725.2	1717.7	1726.5
12.5°	1729.0	1730.2	1734.0	1740.3	1741.5	1752.9	1741.5	1721.4	1708.9	1700.0	1708.9
15°	1731.5	1734.0	1739.0	1746.6	1749.1	1760.4	1745.3	1718.9	1701.3	1690.0	1697.5
17.5°	1740.3	1742.8	1750.3	1762.9	1771.7	1783.0	1764.2	1730.2	1706.3	1690.0	1697.5
20°	1751.6	1755.4	1767.9	1788.1	1806.9	1827.0	1803.2	1756.6	1725.2	1705.1	1711.4
22.5°	1783.0	1786.8	1804.4	1830.8	1862.3	1887.4	1858.5	1799.4	1756.6	1730.2	1736.5
25°	1847.2	1850.9	1873.6	1907.5	1947.8	1980.5	1944.0	1869.8	1814.5	1784.3	1786.8
27.5°	1947.8	1951.5	1977.9	2025.7	2079.8	2126.3	2073.5	1986.7	1923.9	1888.7	1888.7
30°	2074.8	2079.8	2115.0	2179.1	2263.4	2325.0	2253.3	2147.7	2067.2	2019.4	2020.7
32.5°	2238.2	2233.2	2283.5	2371.5	2491.0	2572.7	2467.1	2338.8	2239.5	2172.8	2179.1
35°	2448.2	2447.0	2503.5	2623.0	2778.9	2877.0	2751.3	2585.3	2465.8	2397.9	2399.2
37.5°	2718.6	2717.3	2782.7	2912.2	3099.6	3181.3	3040.5	2872.0	2743.7	2678.3	2685.9
40°	3035.4	3027.9	3085.7	3210.2	3397.6	3450.4	3297.0	3161.2	3038.0	2996.5	3016.6
42.5°	3337.2	3320.9	3354.8	3468.0	3612.6	3620.1	3504.5	3411.4	3327.2	3294.5	3307.0
45°	3579.9	3567.3	3598.8	3664.2	3747.1	3709.4	3654.1	3625.2	3557.3	3522.1	3533.4
47.5°	3761.0	3761.0	3798.7	3838.9	3851.5	3782.4	3791.2	3791.2	3723.3	3667.9	3654.1
50°	3916.9	3928.2	3984.8	4026.3	3984.8	3896.8	3947.1	3937.0	3798.7	3688.0	3659.1
52.5°	4165.9	4177.2	4264.0	4320.5	4274.0	4187.2	4193.5	4067.8	3864.1	3733.3	3688.0
55°	4429.9	4457.6	4583.3	4734.2	4735.5	4646.2	4480.2	4257.7	4010.0	3867.9	3821.3
57.5°	4084.1	4121.9	4309.2	4672.6	4935.4	4873.8	4477.7	4086.7	3752.2	3558.5	3532.1
60°	2810.4	2875.7	3063.1	3559.8	4066.5	4090.4	3622.7	3183.8	2800.3	2561.4	2566.4
62.5°	1187.0	1253.7	1359.3	1767.9	2233.2	2262.1	2035.8	1721.4	1408.3	1236.1	1262.5
65°	279.1	298.0	329.4	489.1	709.2	741.9	684.0	533.2	393.6	333.2	339.5
67.5°	122.0	124.5	118.2	125.7	155.9	159.7	154.7	135.8	128.3	130.8	130.8
70°	85.5	86.8	81.7	78.0	74.2	69.2	71.7	79.2	85.5	90.5	89.3
72.5°	52.8	54.1	55.3	55.3	51.6	46.5	49.0	54.1	55.3	56.6	55.3
75°	26.4	27.7	30.2	31.4	30.2	28.9	28.9	30.2	30.2	28.9	28.9
77.5°	5.0	6.3	8.8	10.1	10.1	10.1	10.1	10.1	11.3	10.1	10.1
80°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)