

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: P639168

Luminaire Tested: GWS-SA5B-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639168
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-SA5B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10699.9 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

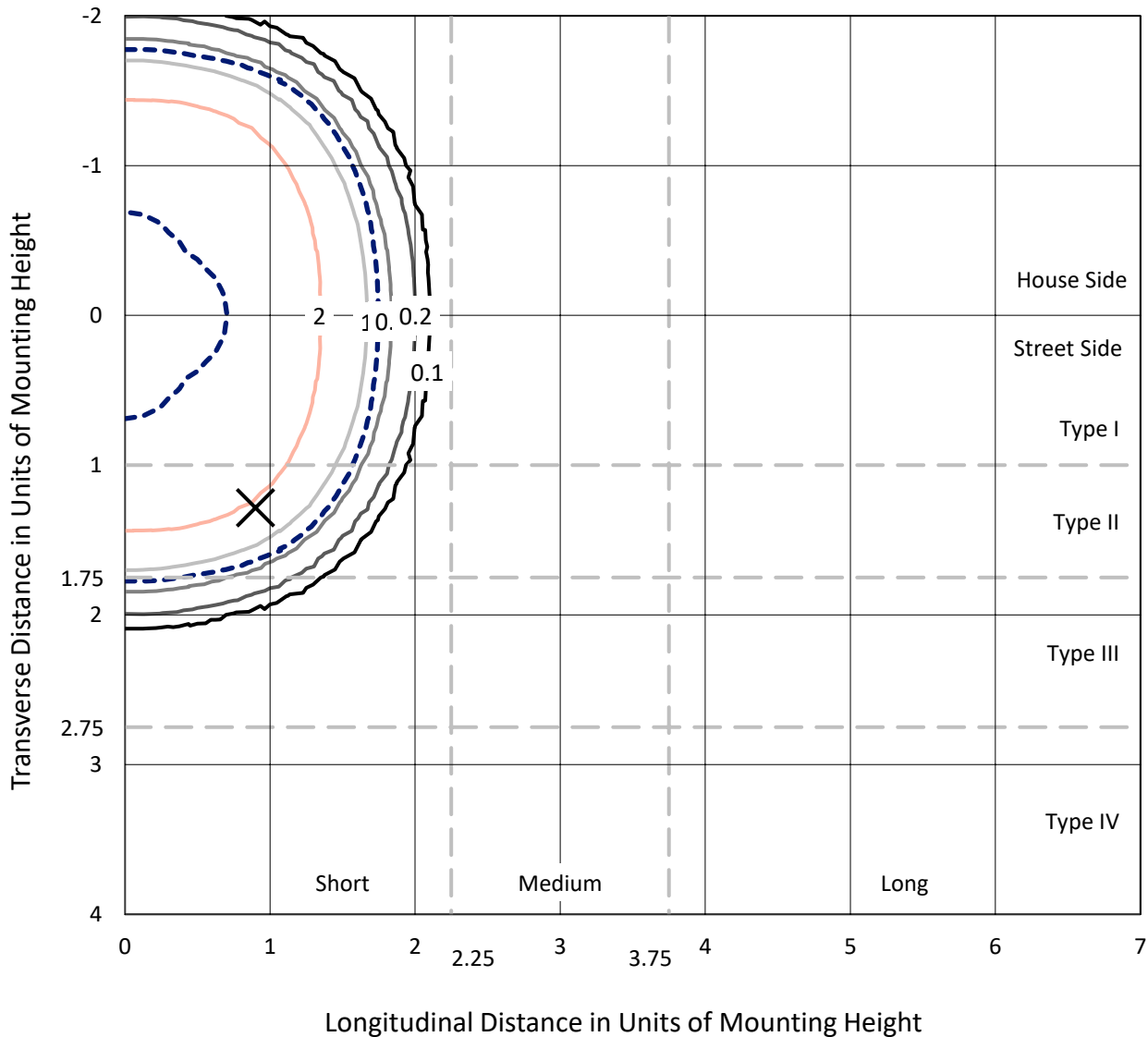
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

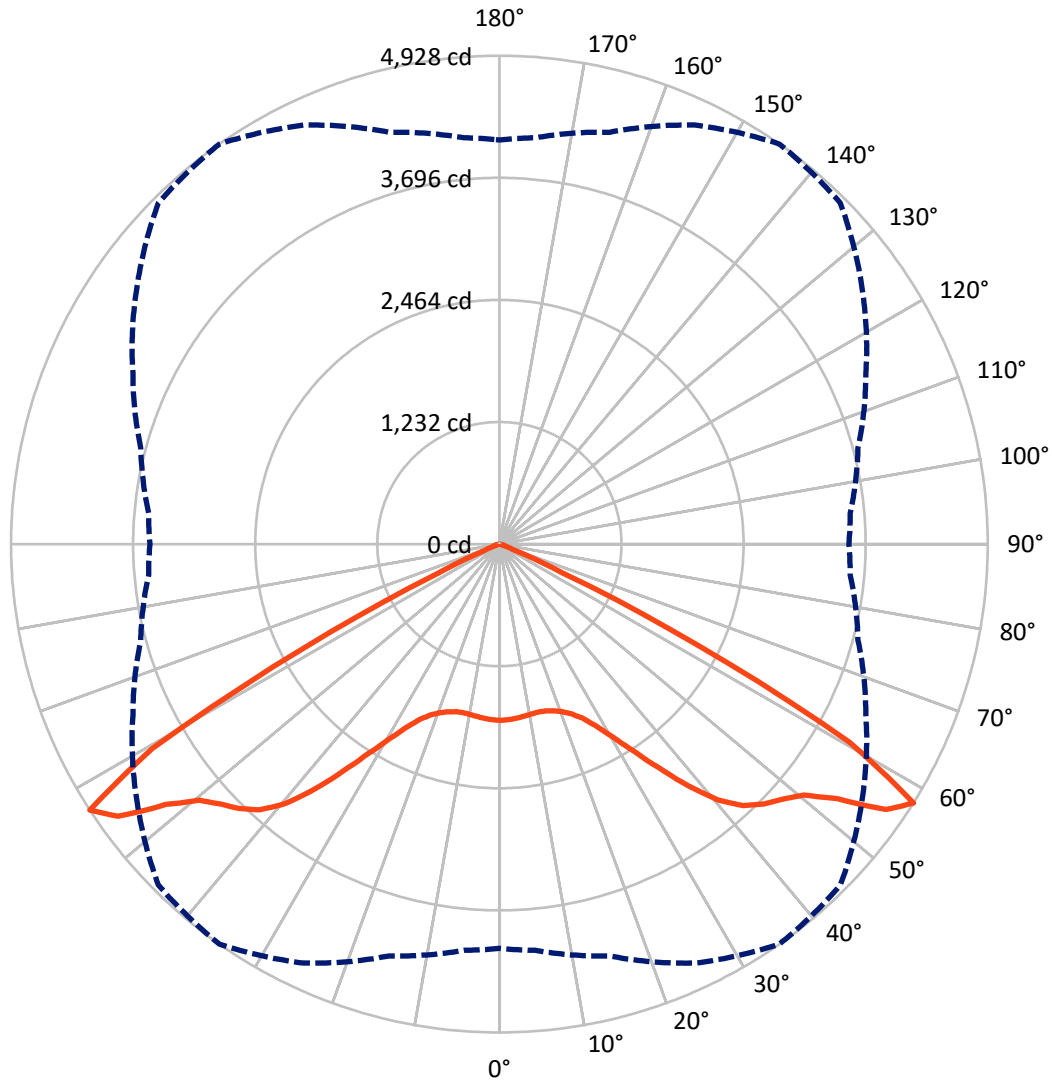
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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	5350.0	0.0	5350.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5350.0	0.0	5350.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10699.9	0.0	10699.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.6
10°-20°	493.0	4.6
20°-30°	891.2	8.3
30°-40°	1662.6	15.5
40°-50°	2788.9	26.1
50°-60°	3683.1	34.4
60°-70°	978.1	9.1
70°-80°	34.7	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°	10699.9	100.0
0°-180°	10699.9	100.0

Coefficient of Utilization



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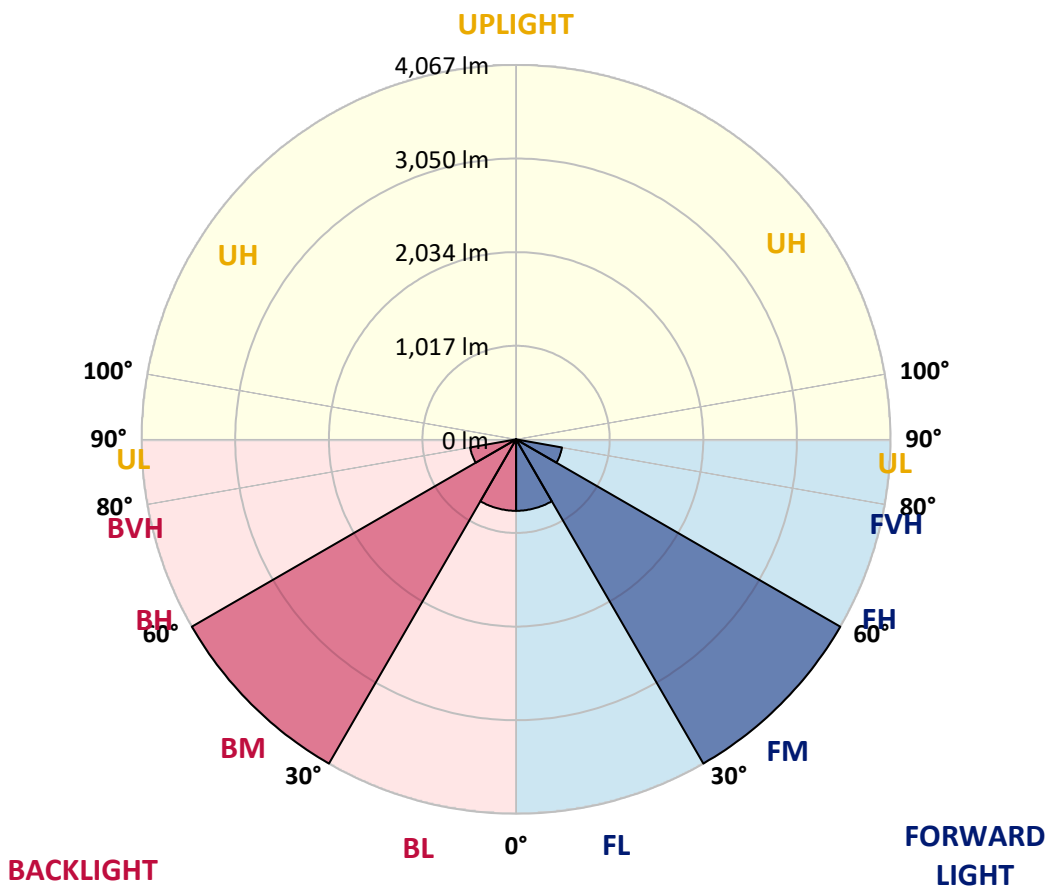
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.9	7.3			
FM (30°-60°)	4067.3	38.0			
FH (60°-80°)	506.4	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	775.9	7.3	B2/1000		
BM (30°-60°)	4067.3	38.0	B3/5000		
BH (60°-80°)	506.4	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°	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0	1779.0
2.5°	1766.4	1765.1	1770.2	1773.9	1773.9	1782.7	1780.2	1777.7	1775.2	1771.4	1780.2
5°	1763.9	1762.6	1766.4	1768.9	1766.4	1773.9	1768.9	1763.9	1761.4	1756.4	1766.4
7.5°	1752.6	1753.8	1756.4	1758.9	1755.1	1761.4	1755.1	1747.6	1741.3	1736.3	1745.1
10°	1735.0	1736.3	1738.8	1743.8	1745.1	1753.8	1745.1	1731.2	1722.5	1714.9	1723.7
12.5°	1726.2	1727.5	1731.2	1737.5	1738.8	1750.1	1738.8	1718.7	1706.1	1697.4	1706.1
15°	1728.7	1731.2	1736.3	1743.8	1746.3	1757.6	1742.5	1716.2	1698.6	1687.3	1694.8
17.5°	1737.5	1740.0	1747.6	1760.1	1768.9	1780.2	1761.4	1727.5	1703.6	1687.3	1694.8
20°	1748.8	1752.6	1765.1	1785.2	1804.1	1824.2	1800.3	1753.8	1722.5	1702.4	1708.7
22.5°	1780.2	1784.0	1801.6	1827.9	1859.3	1884.4	1855.5	1796.5	1753.8	1727.5	1733.8
25°	1844.2	1848.0	1870.6	1904.5	1944.7	1977.3	1940.9	1866.8	1811.6	1781.5	1784.0
27.5°	1944.7	1948.4	1974.8	2022.5	2076.5	2122.9	2070.2	1983.6	1920.8	1885.7	1885.7
30°	2071.5	2076.5	2111.6	2175.7	2259.8	2321.3	2249.7	2144.3	2063.9	2016.2	2017.5
32.5°	2234.7	2229.7	2279.9	2367.8	2487.0	2568.6	2463.2	2335.1	2235.9	2169.4	2175.7
35°	2444.3	2443.1	2499.6	2618.8	2774.5	2872.4	2746.9	2581.2	2461.9	2394.1	2395.4
37.5°	2714.3	2713.0	2778.3	2907.6	3094.7	3176.3	3035.6	2867.4	2739.4	2674.1	2681.6
40°	3030.6	3023.1	3080.8	3205.1	3392.2	3444.9	3291.8	3156.2	3033.1	2991.7	3011.8
42.5°	3331.9	3315.6	3349.5	3462.5	3606.9	3614.4	3498.9	3406.0	3321.9	3289.2	3301.8
45°	3574.2	3561.7	3593.1	3658.3	3741.2	3703.5	3648.3	3619.4	3551.6	3516.5	3527.8
47.5°	3755.0	3755.0	3792.7	3832.9	3845.4	3776.4	3785.1	3785.1	3717.3	3662.1	3648.3
50°	3910.7	3922.0	3978.5	4019.9	3978.5	3890.6	3940.8	3930.8	3792.7	3682.2	3653.3
52.5°	4159.3	4170.6	4257.2	4313.7	4267.2	4180.6	4186.9	4061.3	3858.0	3727.4	3682.2
55°	4422.9	4450.5	4576.1	4726.7	4728.0	4638.8	4473.1	4250.9	4003.6	3861.7	3815.3
57.5°	4077.7	4115.3	4302.4	4665.2	4927.6	4866.1	4470.6	4080.2	3746.2	3552.9	3526.5
60°	2805.9	2871.2	3058.2	3554.1	4060.1	4083.9	3616.9	3178.8	2795.9	2557.3	2562.3
62.5°	1185.1	1251.7	1357.1	1765.1	2229.7	2258.5	2032.6	1718.7	1406.1	1234.1	1260.5
65°	278.7	297.5	328.9	488.4	708.1	740.7	683.0	532.3	393.0	332.7	339.0
67.5°	121.8	124.3	118.0	125.5	155.7	159.4	154.4	135.6	128.1	130.6	130.6
70°	85.4	86.6	81.6	77.8	74.1	69.0	71.6	79.1	85.4	90.4	89.1
72.5°	52.7	54.0	55.2	55.2	51.5	46.5	49.0	54.0	55.2	56.5	55.2
75°	26.4	27.6	30.1	31.4	30.1	28.9	28.9	30.1	30.1	28.9	28.9
77.5°	5.0	6.3	8.8	10.0	10.0	10.0	10.0	10.0	11.3	10.0	10.0
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)