

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: P639333

Luminaire Tested: GWS-SA5B-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639333
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10945.1 lumens
Efficiency: N/A
Efficacy: 94.6 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

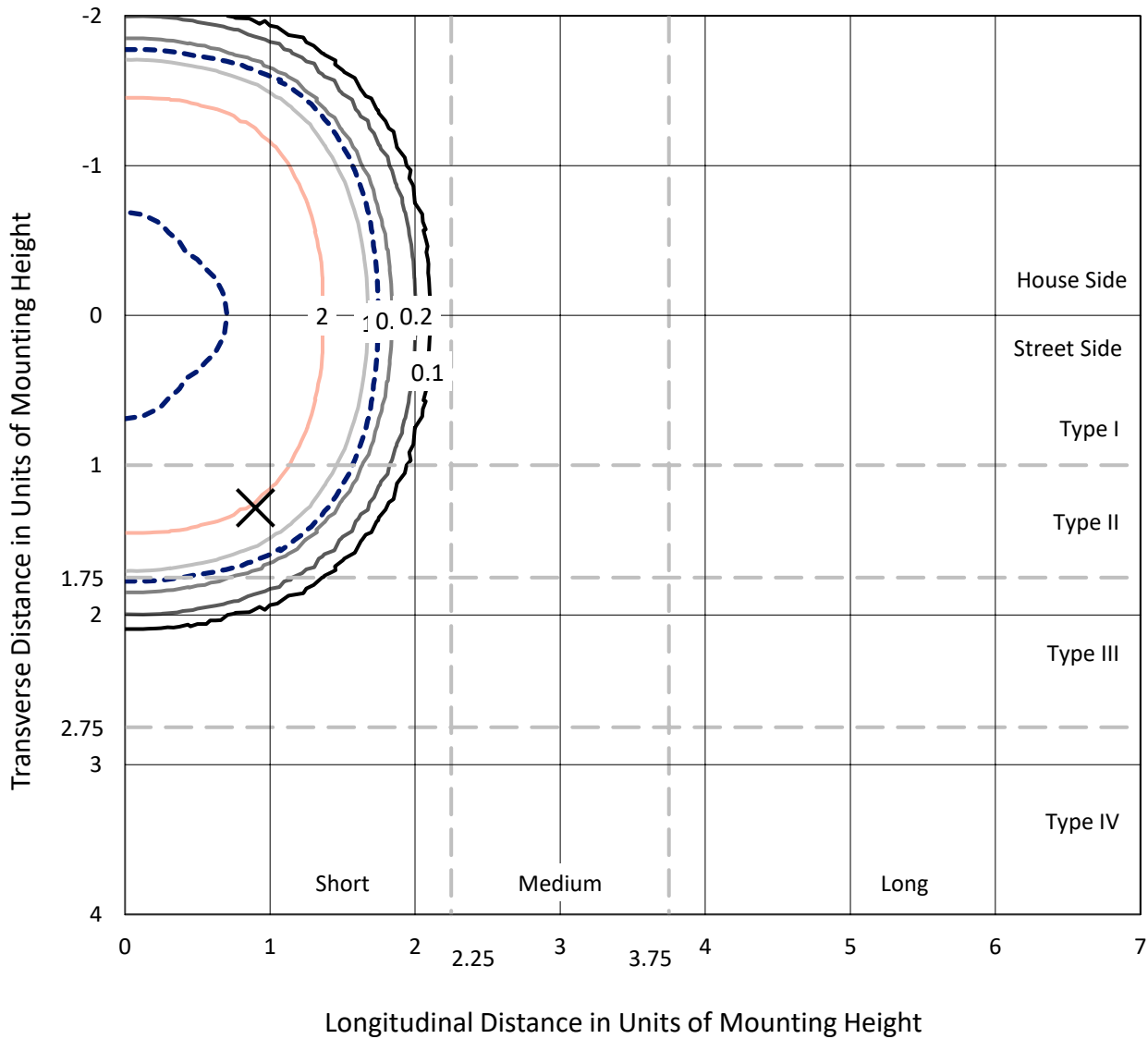


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Iso-Footcandle Lines of Horizontal Illumination

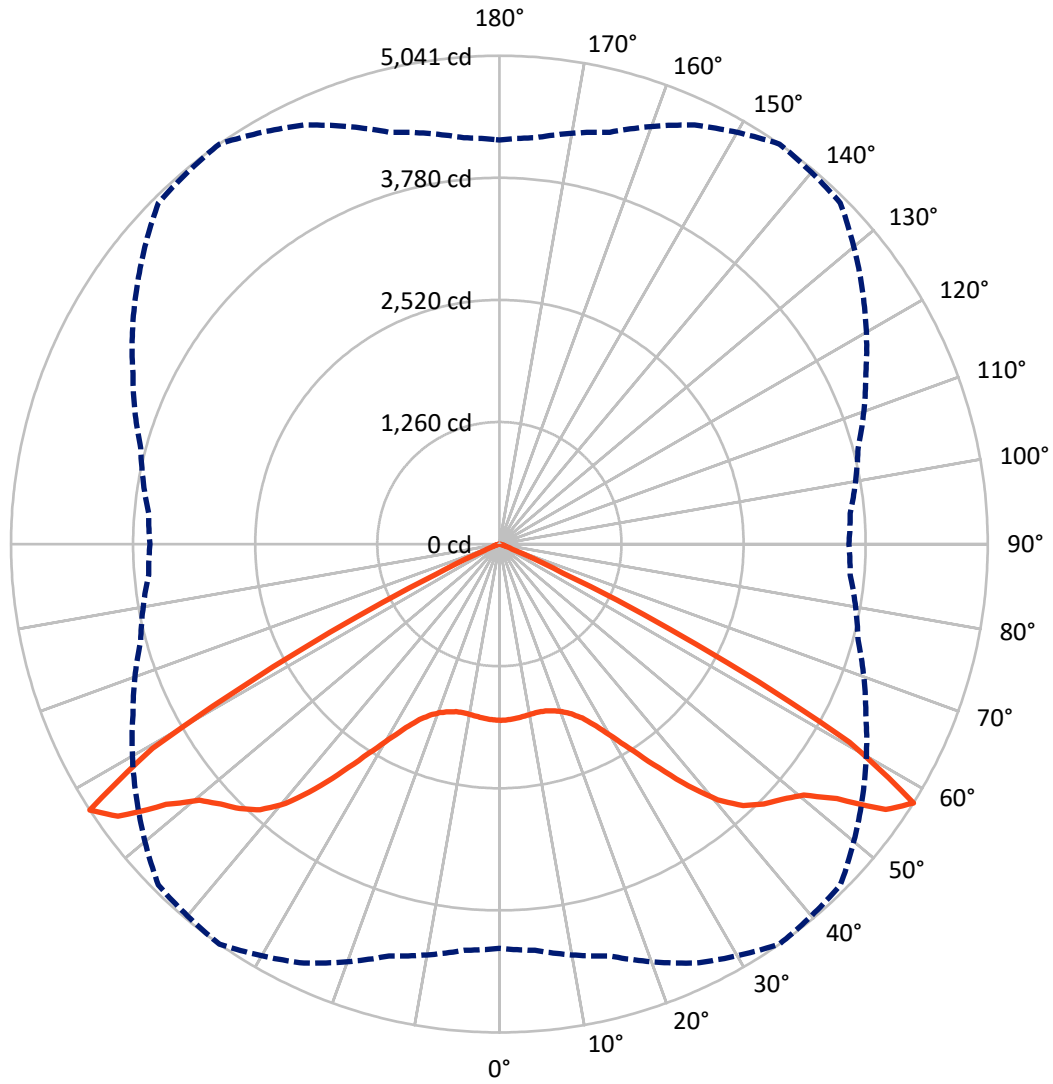
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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	5472.6	0.0	5472.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5472.6	0.0	5472.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10945.1	0.0	10945.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	1.6
10°-20°	504.3	4.6
20°-30°	911.6	8.3
30°-40°	1700.7	15.5
40°-50°	2852.9	26.1
50°-60°	3767.5	34.4
60°-70°	1000.6	9.1
70°-80°	35.5	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°	10945.1	100.0
0°-180°	10945.1	100.0

Coefficient of Utilization



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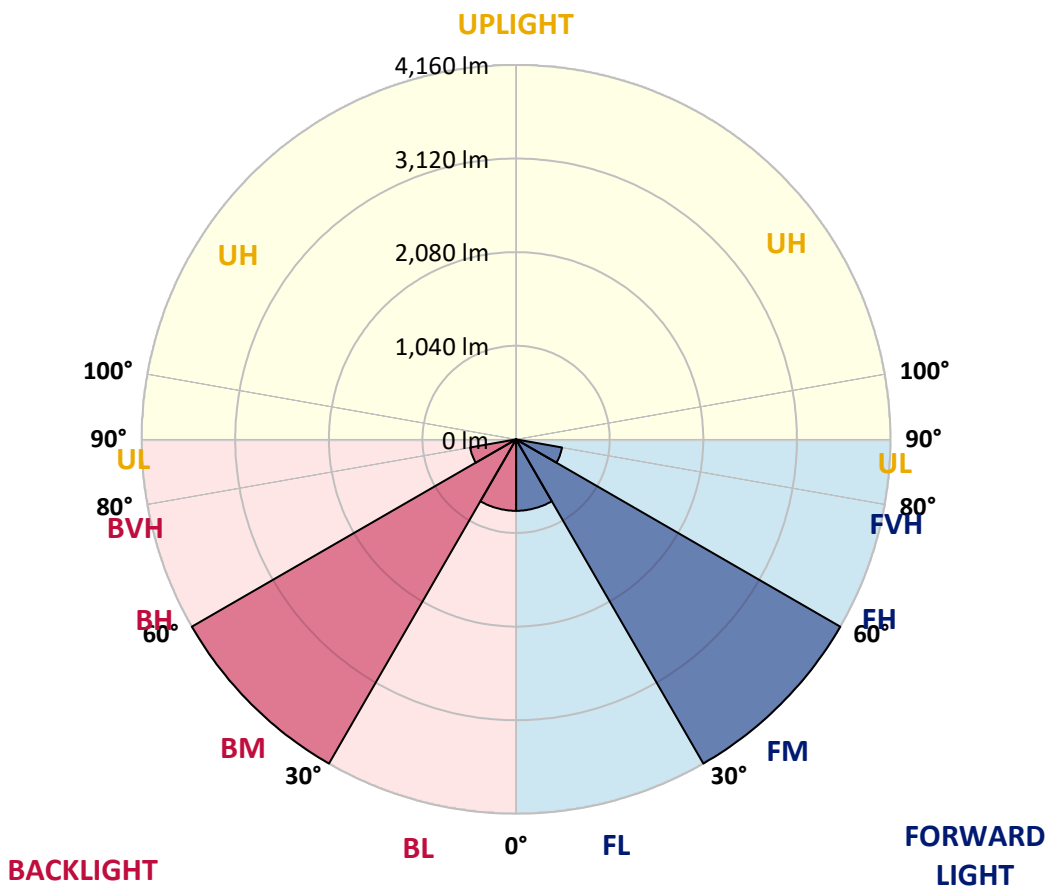
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.7	7.3			
FM (30°-60°)	4160.5	38.0			
FH (60°-80°)	518.1	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	793.7	7.3	B2/1000		
BM (30°-60°)	4160.5	38.0	B3/5000		
BH (60°-80°)	518.1	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°	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7	1819.7
2.5°	1806.9	1805.6	1810.7	1814.6	1814.6	1823.6	1821.0	1818.4	1815.9	1812.0	1821.0
5°	1804.3	1803.0	1806.9	1809.4	1806.9	1814.6	1809.4	1804.3	1801.7	1796.6	1806.9
7.5°	1792.8	1794.0	1796.6	1799.2	1795.3	1801.7	1795.3	1787.6	1781.2	1776.1	1785.0
10°	1774.8	1776.1	1778.6	1783.8	1785.0	1794.0	1785.0	1770.9	1761.9	1754.2	1763.2
12.5°	1765.8	1767.1	1770.9	1777.3	1778.6	1790.2	1778.6	1758.1	1745.2	1736.2	1745.2
15°	1768.4	1770.9	1776.1	1783.8	1786.3	1797.9	1782.5	1755.5	1737.5	1726.0	1733.7
17.5°	1777.3	1779.9	1787.6	1800.5	1809.4	1821.0	1801.7	1767.1	1742.7	1726.0	1733.7
20°	1788.9	1792.8	1805.6	1826.1	1845.4	1866.0	1841.6	1794.0	1761.9	1741.4	1747.8
22.5°	1821.0	1824.9	1842.8	1869.8	1901.9	1927.6	1898.1	1837.7	1794.0	1767.1	1773.5
25°	1886.5	1890.4	1913.5	1948.1	1989.2	2022.6	1985.4	1909.6	1853.1	1822.3	1824.9
27.5°	1989.2	1993.1	2020.1	2068.9	2124.1	2171.6	2117.7	2029.0	1964.8	1928.9	1928.9
30°	2118.9	2124.1	2160.0	2225.5	2311.6	2374.5	2301.3	2193.4	2111.2	2062.4	2063.7
32.5°	2285.9	2280.8	2332.1	2422.0	2544.0	2627.5	2519.6	2388.6	2287.2	2219.1	2225.5
35°	2500.4	2499.1	2556.9	2678.9	2838.1	2938.3	2809.8	2640.3	2518.3	2449.0	2450.3
37.5°	2776.5	2775.2	2842.0	2974.2	3165.6	3249.0	3105.2	2933.1	2802.1	2735.4	2743.1
40°	3100.1	3092.4	3151.4	3278.6	3469.9	3523.9	3367.2	3228.5	3102.6	3060.3	3080.8
42.5°	3408.3	3391.6	3426.3	3541.8	3689.5	3697.2	3579.1	3484.1	3398.0	3364.6	3377.5
45°	3656.1	3643.3	3675.4	3742.2	3826.9	3788.4	3731.9	3702.4	3633.0	3597.1	3608.6
47.5°	3841.1	3841.1	3879.6	3920.7	3933.5	3862.9	3871.9	3871.9	3802.5	3746.0	3731.9
50°	4000.3	4011.9	4069.7	4112.0	4069.7	3979.8	4031.1	4020.9	3879.6	3766.6	3737.0
52.5°	4254.6	4266.1	4354.7	4412.5	4365.0	4276.4	4282.8	4154.4	3946.4	3812.8	3766.6
55°	4524.3	4552.5	4680.9	4835.0	4836.3	4745.1	4575.6	4348.3	4095.3	3950.2	3902.7
57.5°	4171.1	4209.6	4401.0	4772.1	5040.5	4977.6	4573.1	4173.7	3832.1	3634.3	3607.3
60°	2870.2	2937.0	3128.3	3635.6	4153.1	4177.5	3699.8	3251.6	2859.9	2615.9	2621.1
62.5°	1212.3	1280.4	1388.2	1805.6	2280.8	2310.3	2079.1	1758.1	1438.3	1262.4	1289.3
65°	285.1	304.4	336.5	499.6	724.3	757.7	698.6	544.5	402.0	340.3	346.7
67.5°	124.6	127.1	120.7	128.4	159.2	163.1	158.0	138.7	131.0	133.6	133.6
70°	87.3	88.6	83.5	79.6	75.8	70.6	73.2	80.9	87.3	92.5	91.2
72.5°	53.9	55.2	56.5	56.5	52.7	47.5	50.1	55.2	56.5	57.8	56.5
75°	27.0	28.3	30.8	32.1	30.8	29.5	29.5	30.8	30.8	29.5	29.5
77.5°	5.1	6.4	9.0	10.3	10.3	10.3	10.3	10.3	11.6	10.3	10.3
80°	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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)