

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: P639278

Luminaire Tested: GWS-SA5B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639278
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11097.2 lumens
Efficiency: N/A
Efficacy: 95.9 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

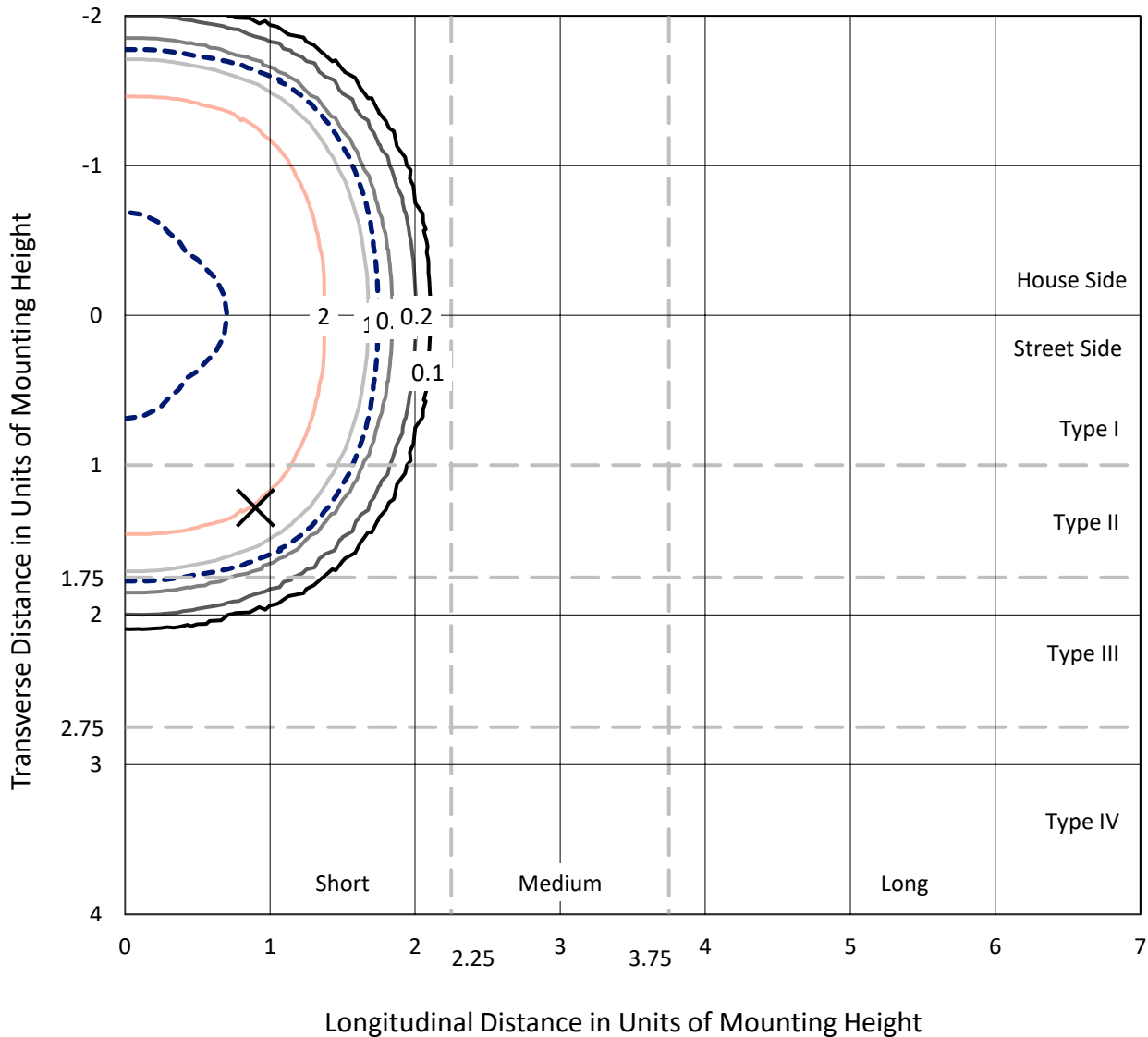


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Iso-Footcandle Lines of Horizontal Illumination

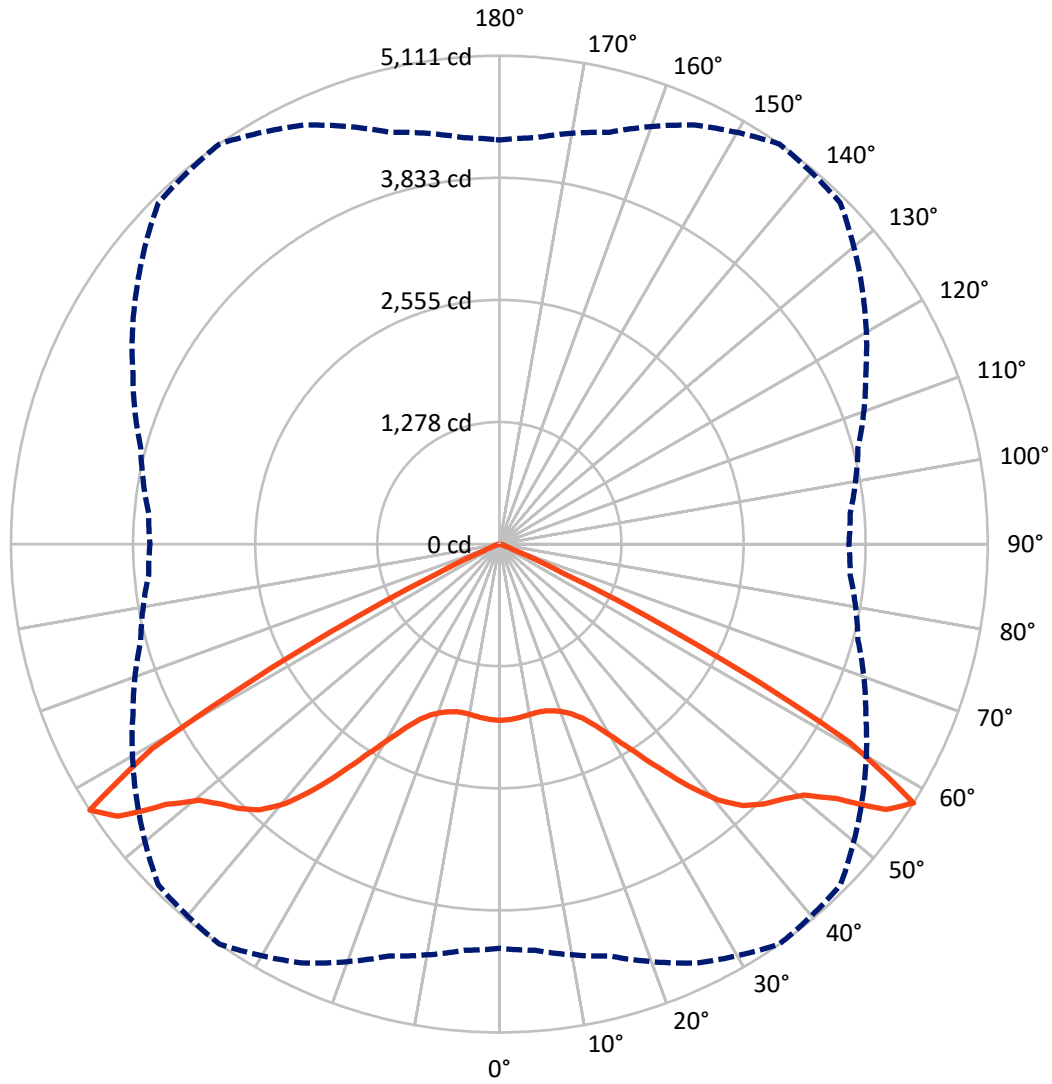
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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	5548.6	0.0	5548.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5548.6	0.0	5548.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11097.2	0.0	11097.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	1.6
10°-20°	511.3	4.6
20°-30°	924.3	8.3
30°-40°	1724.3	15.5
40°-50°	2892.5	26.1
50°-60°	3819.8	34.4
60°-70°	1014.5	9.1
70°-80°	36.0	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°	11097.2	100.0
0°-180°	11097.2	100.0

Coefficient of Utilization



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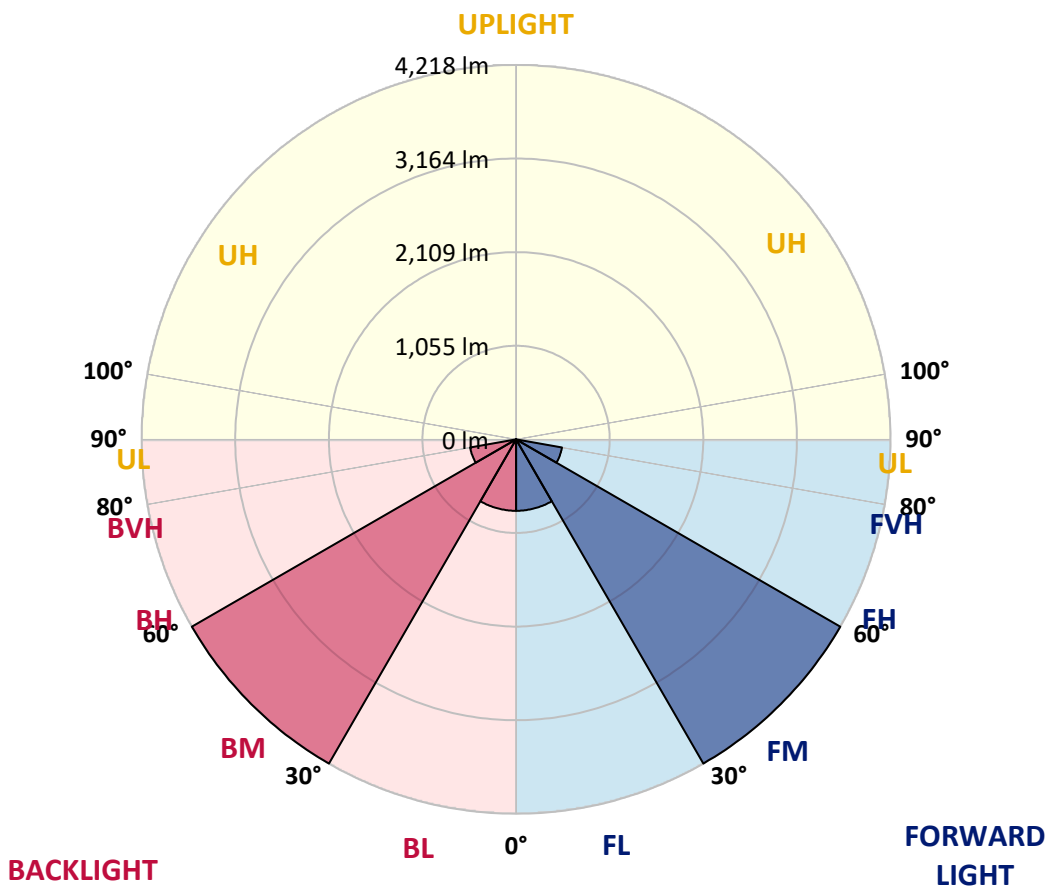
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.7	7.3			
FM (30°-60°)	4218.3	38.0			
FH (60°-80°)	525.2	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	804.7	7.3	B2/1000		
BM (30°-60°)	4218.3	38.0	B3/5000		
BH (60°-80°)	525.2	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°	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0	1845.0
2.5°	1832.0	1830.7	1835.9	1839.8	1839.8	1848.9	1846.3	1843.7	1841.1	1837.2	1846.3
5°	1829.4	1828.1	1832.0	1834.6	1832.0	1839.8	1834.6	1829.4	1826.8	1821.6	1832.0
7.5°	1817.7	1819.0	1821.6	1824.2	1820.3	1826.8	1820.3	1812.5	1805.9	1800.7	1809.9
10°	1799.4	1800.7	1803.3	1808.6	1809.9	1819.0	1809.9	1795.5	1786.4	1778.6	1787.7
12.5°	1790.3	1791.6	1795.5	1802.0	1803.3	1815.1	1803.3	1782.5	1769.5	1760.4	1769.5
15°	1792.9	1795.5	1800.7	1808.6	1811.2	1822.9	1807.2	1779.9	1761.7	1750.0	1757.8
17.5°	1802.0	1804.6	1812.5	1825.5	1834.6	1846.3	1826.8	1791.6	1766.9	1750.0	1757.8
20°	1813.8	1817.7	1830.7	1851.5	1871.1	1891.9	1867.1	1819.0	1786.4	1765.6	1772.1
22.5°	1846.3	1850.2	1868.4	1895.8	1928.3	1954.4	1924.4	1863.2	1819.0	1791.6	1798.1
25°	1912.7	1916.6	1940.1	1975.2	2016.9	2050.7	2013.0	1936.2	1878.9	1847.6	1850.2
27.5°	2016.9	2020.8	2048.1	2097.6	2153.6	2201.8	2147.1	2057.2	1992.1	1955.7	1955.7
30°	2148.4	2153.6	2190.1	2256.5	2343.7	2407.5	2333.3	2223.9	2140.6	2091.1	2092.4
32.5°	2317.7	2312.4	2364.5	2455.7	2579.4	2664.0	2554.6	2421.8	2319.0	2249.9	2256.5
35°	2535.1	2533.8	2592.4	2716.1	2877.5	2979.1	2848.9	2677.0	2553.3	2483.0	2484.3
37.5°	2815.0	2813.7	2881.4	3015.6	3209.6	3294.2	3148.4	2973.9	2841.1	2773.4	2781.2
40°	3143.2	3135.3	3195.2	3324.1	3518.1	3572.8	3414.0	3273.4	3145.8	3102.8	3123.6
42.5°	3455.6	3438.7	3473.9	3591.1	3740.8	3748.6	3628.8	3532.5	3445.2	3411.4	3424.4
45°	3706.9	3693.9	3726.5	3794.2	3880.1	3841.1	3783.8	3753.8	3683.5	3647.1	3658.8
47.5°	3894.4	3894.4	3933.5	3975.2	3988.2	3916.6	3925.7	3925.7	3855.4	3798.1	3783.8
50°	4055.9	4067.6	4126.2	4169.2	4126.2	4035.1	4087.1	4076.7	3933.5	3818.9	3789.0
52.5°	4313.7	4325.4	4415.3	4473.9	4425.7	4335.8	4342.3	4212.1	4001.2	3865.8	3818.9
55°	4587.1	4615.8	4746.0	4902.2	4903.5	4811.1	4639.2	4408.8	4152.2	4005.1	3956.9
57.5°	4229.1	4268.1	4462.1	4838.4	5110.6	5046.8	4636.6	4231.7	3885.3	3684.8	3657.5
60°	2910.1	2977.8	3171.8	3686.1	4210.8	4235.6	3751.2	3296.8	2899.7	2652.3	2657.5
62.5°	1229.1	1298.1	1407.5	1830.7	2312.4	2342.4	2108.0	1782.5	1458.3	1279.9	1307.3
65°	289.1	308.6	341.1	506.5	734.4	768.2	708.3	552.1	407.5	345.0	351.6
67.5°	126.3	128.9	122.4	130.2	161.5	165.4	160.2	140.6	132.8	135.4	135.4
70°	88.5	89.8	84.6	80.7	76.8	71.6	74.2	82.0	88.5	93.7	92.4
72.5°	54.7	56.0	57.3	57.3	53.4	48.2	50.8	56.0	57.3	58.6	57.3
75°	27.3	28.6	31.2	32.6	31.2	29.9	29.9	31.2	31.2	29.9	29.9
77.5°	5.2	6.5	9.1	10.4	10.4	10.4	10.4	10.4	11.7	10.4	10.4
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)