

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: P636369

Luminaire Tested: GWS-SA3F-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636369
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-SA3F-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12981.7 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 183.2
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

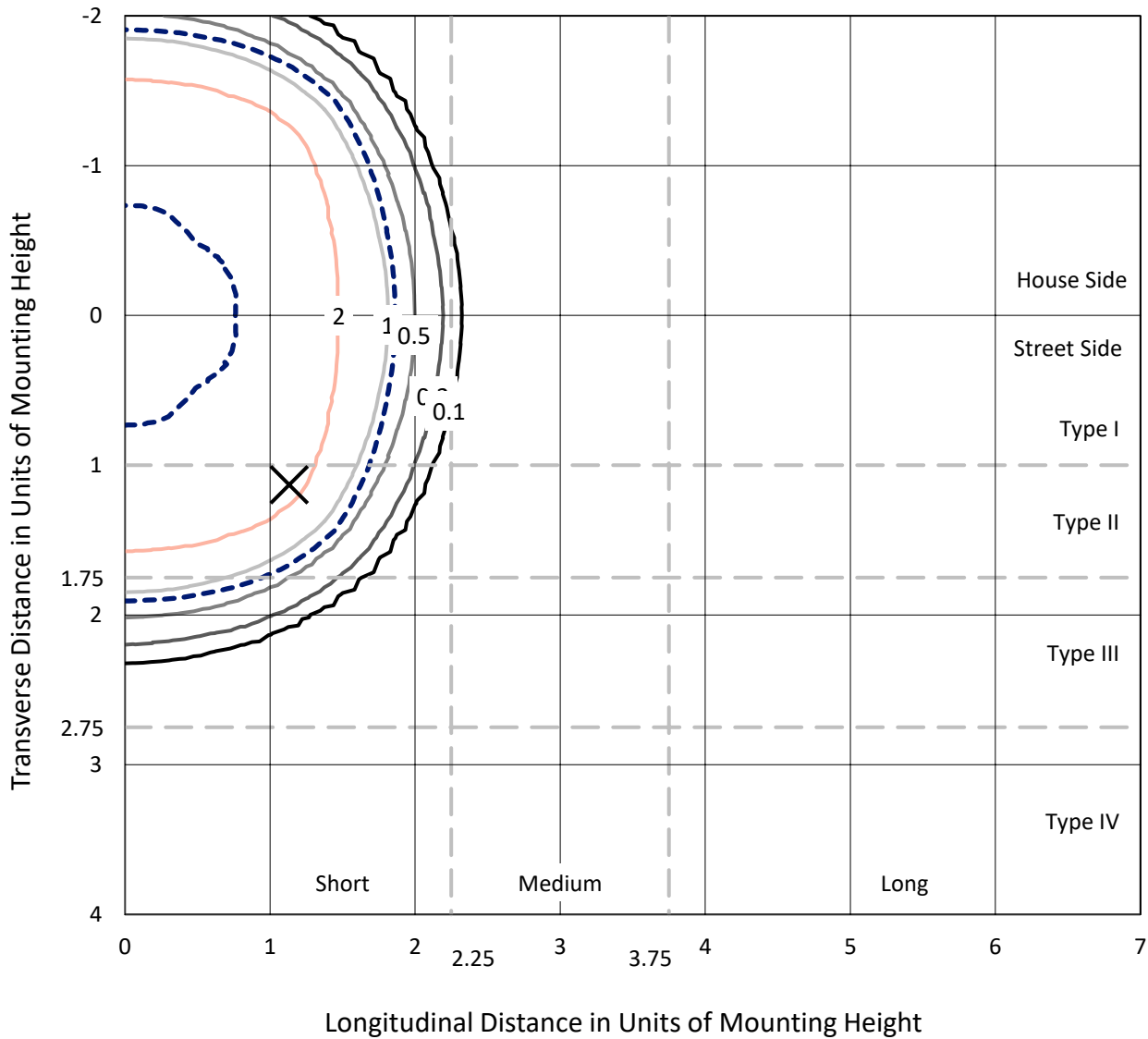


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Iso-Footcandle Lines of Horizontal Illumination

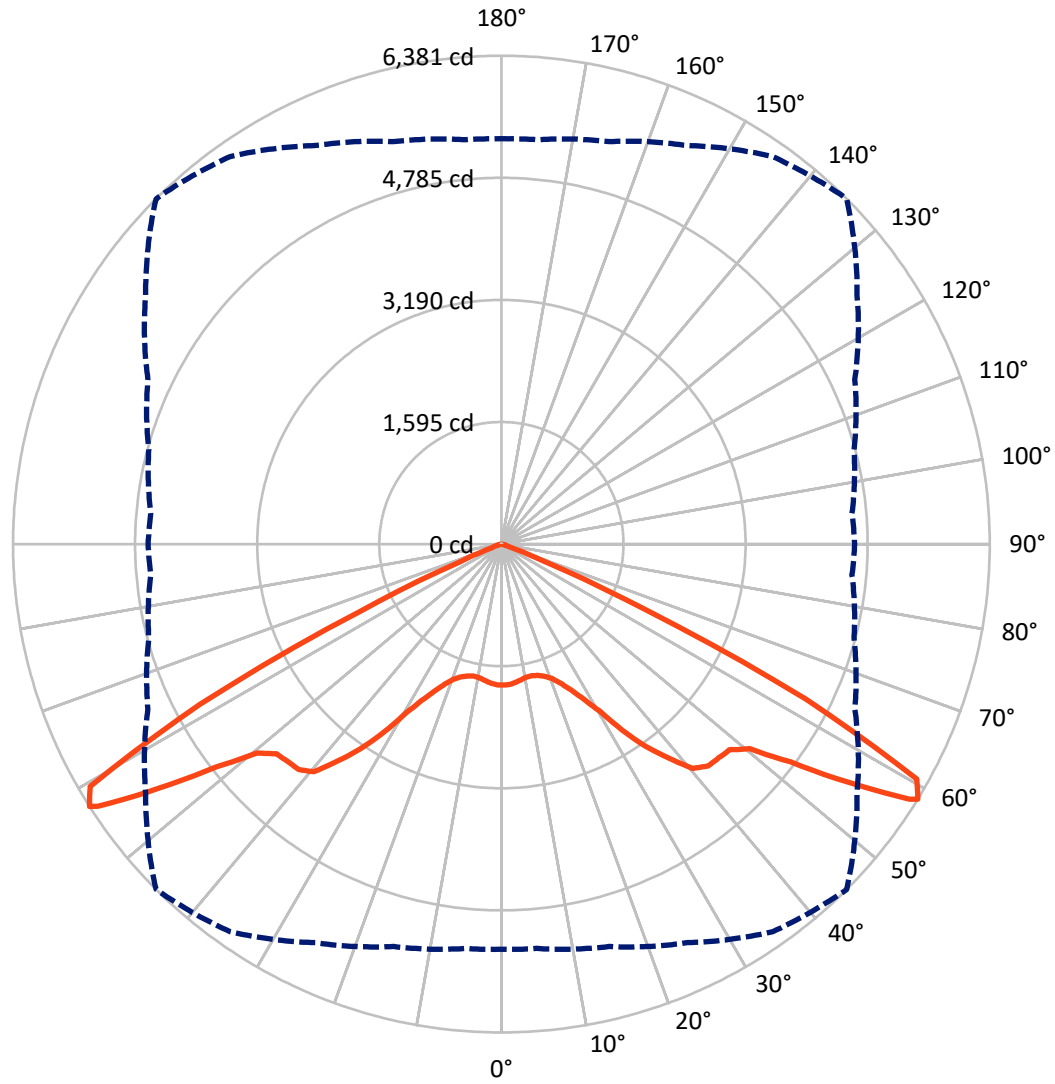
✕ Max cd
 - - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6490.9	0.0	6490.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6490.9	0.0	6490.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12981.7	0.0	12981.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	1.3
10°-20°	508.2	3.9
20°-30°	961.2	7.4
30°-40°	1895.8	14.6
40°-50°	3000.0	23.1
50°-60°	4409.8	34.0
60°-70°	1968.4	15.2
70°-80°	66.0	0.5
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°	12981.7	100.0
0°-180°	12981.7	100.0

Coefficient of Utilization



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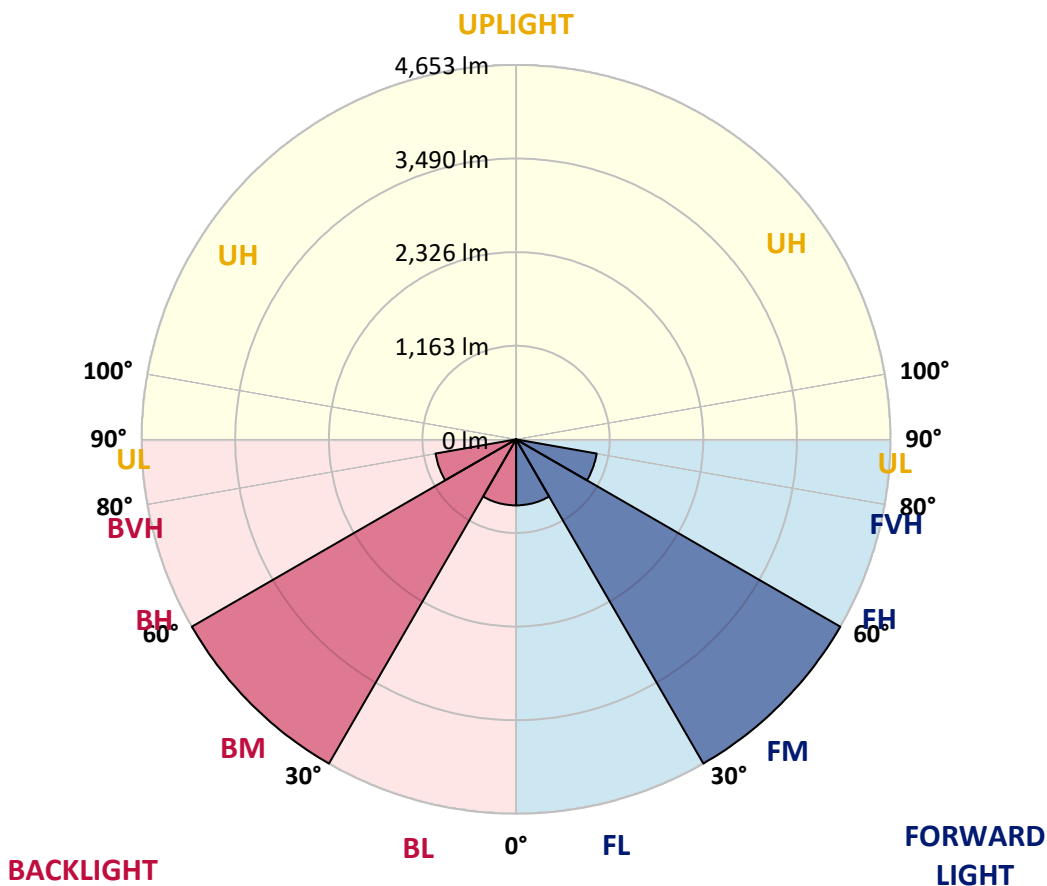
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.6	6.3			
FM (30°-60°)	4652.8	35.8			
FH (60°-80°)	1017.2	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	820.6	6.3	B2/1000		
BM (30°-60°)	4652.8	35.8	B3/5000		
BH (60°-80°)	1017.2	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°	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0	1841.0
2.5°	1823.3	1826.8	1830.4	1832.1	1833.9	1839.2	1841.0	1835.7	1835.7	1825.1	1837.4
5°	1814.5	1818.0	1821.5	1819.8	1819.8	1819.8	1818.0	1810.9	1809.1	1798.5	1810.9
7.5°	1798.5	1802.1	1802.1	1796.8	1793.2	1793.2	1791.5	1782.6	1780.8	1770.2	1782.6
10°	1786.2	1787.9	1786.2	1775.5	1768.5	1768.5	1766.7	1763.2	1764.9	1757.9	1768.5
12.5°	1793.2	1795.0	1787.9	1773.8	1764.9	1763.2	1757.9	1752.6	1757.9	1756.1	1766.7
15°	1816.2	1818.0	1805.6	1787.9	1780.8	1780.8	1766.7	1752.6	1759.6	1761.4	1773.8
17.5°	1844.5	1844.5	1828.6	1812.7	1814.5	1814.5	1791.5	1766.7	1768.5	1775.5	1787.9
20°	1878.1	1878.1	1862.2	1858.7	1871.0	1872.8	1844.5	1805.6	1796.8	1802.1	1816.2
22.5°	1938.2	1938.2	1925.9	1934.7	1963.0	1971.8	1929.4	1874.6	1853.4	1856.9	1871.0
25°	2032.0	2032.0	2028.4	2049.7	2090.3	2109.8	2053.2	1980.7	1945.3	1940.0	1955.9
27.5°	2189.4	2191.1	2185.8	2217.7	2268.9	2291.9	2214.1	2118.6	2076.2	2067.3	2083.3
30°	2392.7	2392.7	2394.5	2438.7	2505.9	2536.0	2433.4	2322.0	2272.5	2244.2	2265.4
32.5°	2619.1	2622.6	2640.3	2714.6	2833.1	2895.0	2744.7	2589.0	2509.5	2479.4	2502.4
35°	2992.3	2958.7	2937.4	2992.3	3163.8	3245.1	3052.4	2870.2	2810.1	2806.6	2864.9
37.5°	3361.9	3342.4	3298.2	3354.8	3508.6	3545.8	3333.6	3181.5	3139.0	3162.0	3220.4
40°	3655.4	3620.1	3561.7	3614.8	3816.4	3853.5	3591.8	3441.4	3425.5	3476.8	3556.4
42.5°	3887.1	3837.6	3759.8	3772.1	3934.8	3961.4	3729.7	3616.5	3627.1	3690.8	3781.0
45°	3991.4	3952.5	3883.6	3878.3	3980.8	3982.6	3800.4	3742.1	3770.4	3819.9	3890.6
47.5°	4035.7	4018.0	3979.1	3970.2	4028.6	4014.4	3901.2	3876.5	3903.0	3917.2	3957.8
50°	4145.3	4145.3	4150.6	4157.7	4217.8	4203.7	4124.1	4095.8	4062.2	4012.7	4025.0
52.5°	4453.0	4465.4	4516.7	4573.3	4682.9	4728.9	4599.8	4435.3	4274.4	4166.5	4166.5
55°	5008.3	5020.7	5080.8	5176.3	5377.9	5487.6	5186.9	4824.4	4603.3	4456.5	4476.0
57.5°	5314.3	5328.4	5452.2	5710.4	6101.2	6286.9	5641.4	5103.8	4794.3	4626.3	4640.5
58°	5294.8	5303.6	5443.4	5745.8	6180.8	6380.6	5673.3	5095.0	4769.6	4598.0	4615.7
60°	4704.1	4691.8	4914.6	5346.1	5959.7	6235.6	5356.7	4651.1	4272.6	4097.5	4106.4
62.5°	3075.4	3082.4	3275.2	3726.2	4203.7	4463.6	3742.1	3216.8	2912.7	2806.6	2780.0
65°	1283.9	1260.9	1379.4	1630.5	1917.0	2062.0	1772.0	1499.7	1312.2	1241.5	1260.9
67.5°	330.7	321.9	328.9	412.1	504.0	596.0	500.5	382.0	332.5	336.0	336.0
70°	187.5	176.8	143.2	132.6	129.1	129.1	129.1	129.1	148.6	175.1	180.4
72.5°	141.5	132.6	104.3	90.2	79.6	74.3	77.8	90.2	107.9	130.9	134.4
75°	70.7	70.7	63.7	60.1	53.1	49.5	51.3	56.6	65.4	74.3	72.5
77.5°	14.1	15.9	17.7	21.2	17.7	17.7	17.7	21.2	21.2	23.0	21.2
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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)