

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: P633726

Luminaire Tested: GWS-SA2F-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11259.1 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

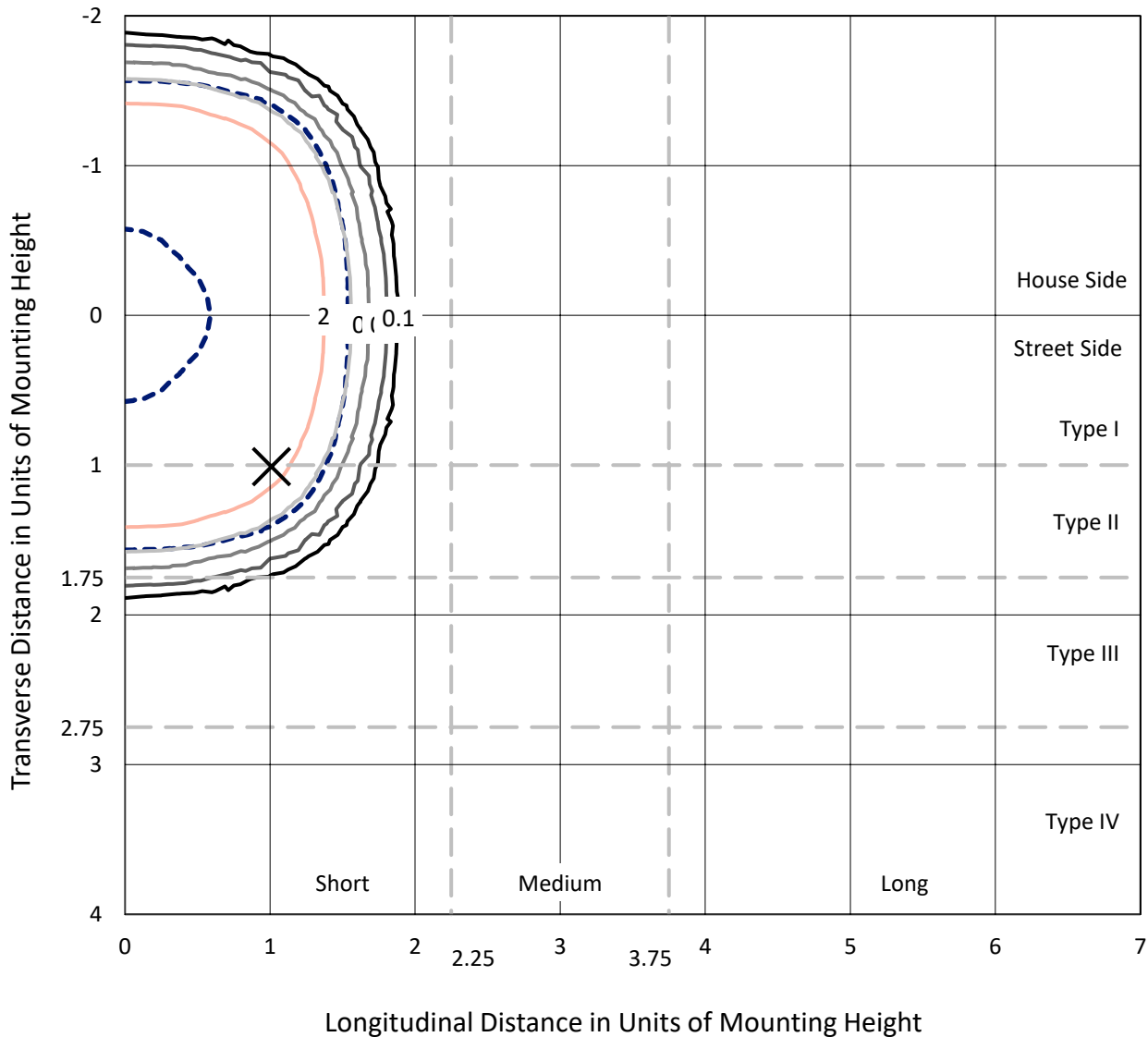
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

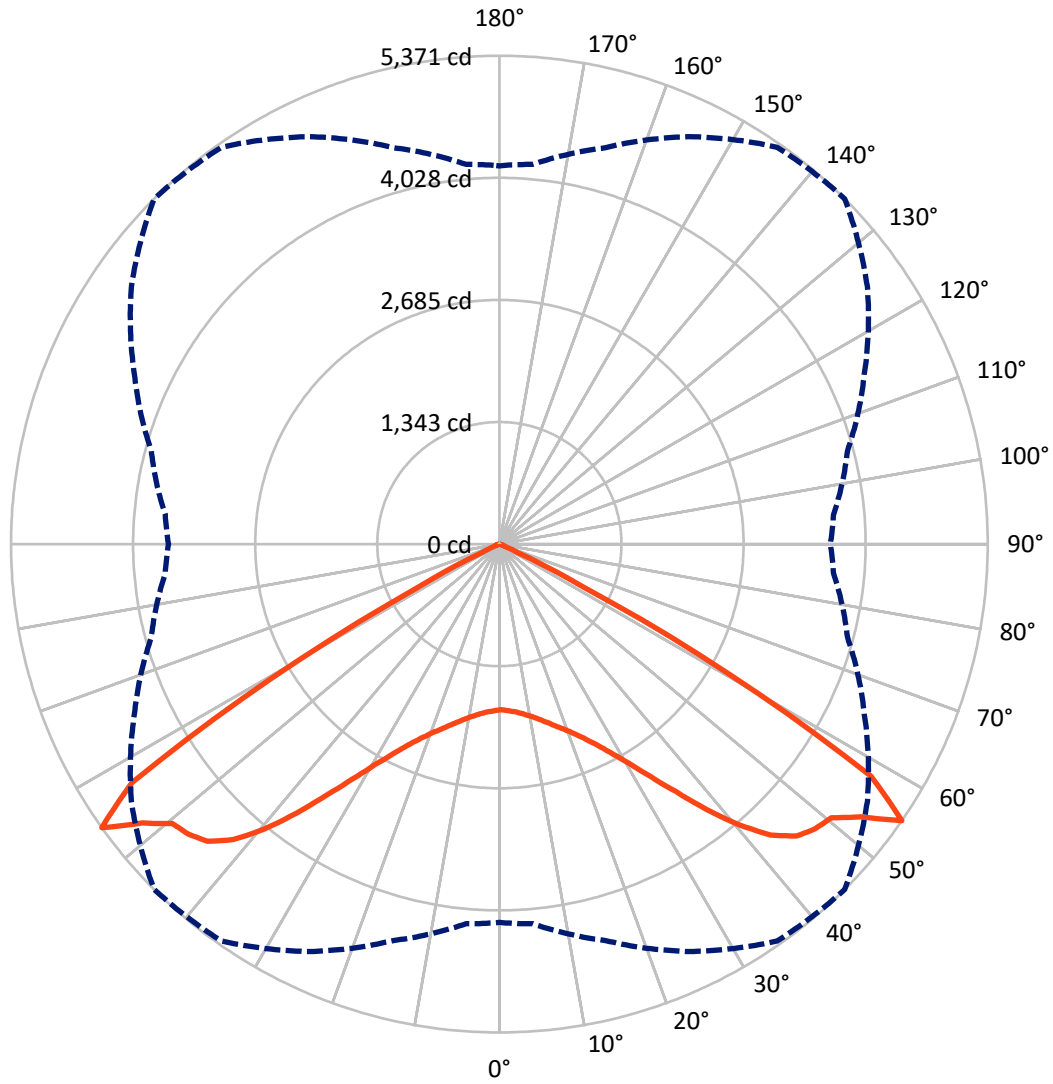
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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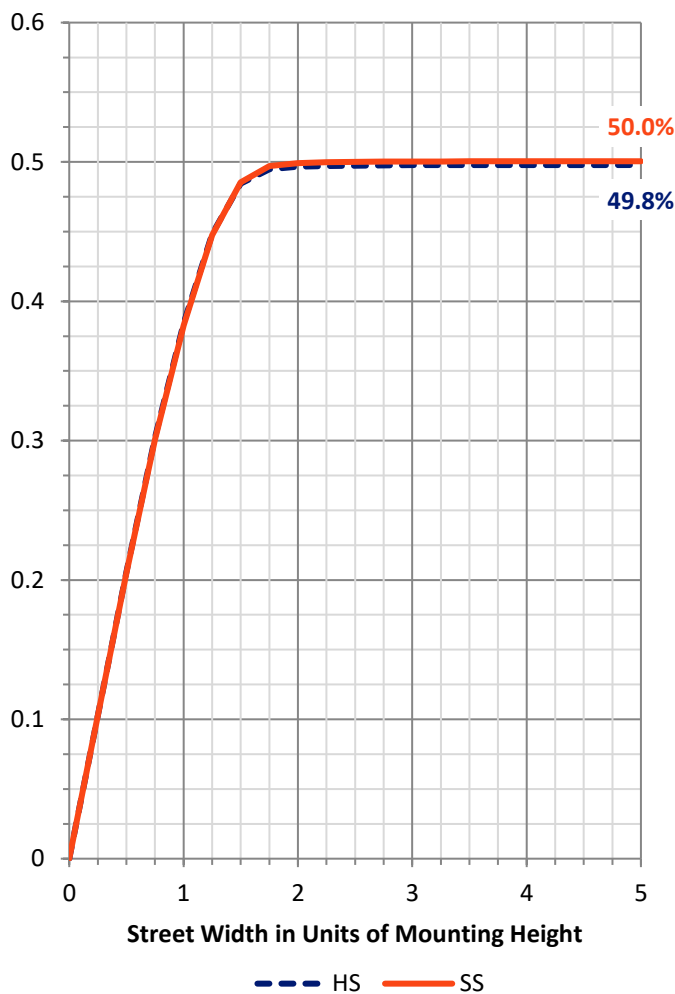
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5629.5	0.0	5629.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5629.5	0.0	5629.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11259.1	0.0	11259.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	1.6
10°-20°	578.1	5.1
20°-30°	1119.7	9.9
30°-40°	2005.9	17.8
40°-50°	3363.1	29.9
50°-60°	3600.0	32.0
60°-70°	395.6	3.5
70°-80°	17.4	0.2
80°-90°	0.8	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°	11259.1	100.0
0°-180°	11259.1	100.0

Coefficient of Utilization



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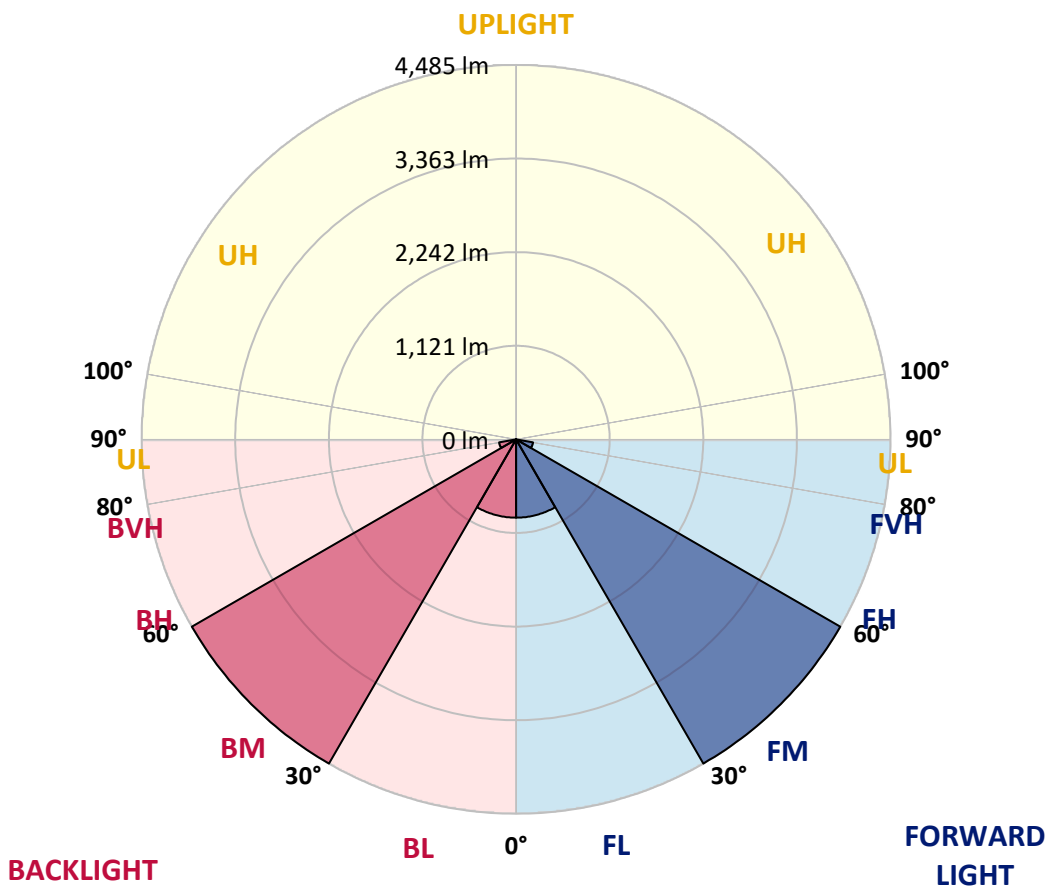
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.1	8.3			
FM (30°-60°)	4484.5	39.8			
FH (60°-80°)	206.5	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	938.1	8.3	B2/1000		
BM (30°-60°)	4484.5	39.8	B3/5000		
BH (60°-80°)	206.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	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°	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4
2.5°	1816.9	1816.9	1821.5	1825.0	1825.0	1834.1	1830.7	1827.3	1827.3	1822.7	1831.9
5°	1843.3	1842.2	1846.8	1849.1	1844.5	1853.6	1847.9	1844.5	1842.2	1837.6	1846.8
7.5°	1872.0	1873.1	1874.3	1878.9	1876.6	1885.8	1881.2	1874.3	1872.0	1865.1	1874.3
10°	1906.4	1906.4	1908.7	1914.4	1915.6	1927.1	1922.5	1914.4	1907.6	1900.7	1909.8
12.5°	1950.0	1951.1	1954.6	1962.6	1967.2	1979.8	1972.9	1956.9	1946.6	1938.5	1948.8
15°	2013.1	2011.9	2016.5	2028.0	2033.7	2042.9	2032.6	2010.8	1998.2	1989.0	1995.9
17.5°	2081.9	2081.9	2084.2	2095.7	2103.7	2117.5	2104.8	2078.5	2067.0	2054.4	2061.3
20°	2157.6	2161.1	2163.3	2171.4	2185.1	2198.9	2188.6	2162.2	2149.6	2133.5	2141.6
22.5°	2257.4	2254.0	2255.1	2268.9	2288.4	2302.1	2294.1	2263.1	2241.3	2228.7	2233.3
25°	2368.7	2367.5	2371.0	2391.6	2413.4	2428.3	2416.8	2376.7	2354.9	2333.1	2342.3
27.5°	2505.2	2506.3	2508.6	2533.8	2568.3	2590.1	2561.4	2521.2	2491.4	2462.7	2469.6
30°	2666.9	2664.6	2671.5	2705.9	2756.4	2790.8	2757.5	2701.3	2658.9	2631.3	2634.8
32.5°	2839.0	2841.3	2859.6	2914.7	2981.2	3042.0	2974.3	2899.8	2844.7	2793.1	2800.0
35°	3024.8	3030.5	3071.8	3153.3	3262.2	3343.7	3249.6	3126.9	3048.9	2982.3	2984.6
37.5°	3243.9	3257.6	3315.0	3436.6	3592.6	3701.6	3563.9	3401.0	3300.1	3217.5	3211.8
40°	3531.8	3547.8	3625.8	3770.4	3959.6	4059.4	3900.0	3732.5	3607.5	3518.0	3504.3
42.5°	3862.1	3882.8	3967.7	4115.6	4304.9	4372.6	4216.6	4075.5	3963.1	3857.6	3853.0
45°	4234.9	4246.4	4315.2	4428.8	4565.3	4581.3	4464.3	4386.3	4272.8	4174.1	4166.1
47.5°	4584.8	4596.3	4643.3	4701.8	4733.9	4676.6	4655.9	4621.5	4474.7	4353.1	4327.8
50°	4850.9	4860.1	4918.6	4941.5	4852.1	4730.5	4770.6	4697.2	4537.8	4401.3	4362.3
52.5°	4832.6	4855.5	5005.8	5136.5	5080.3	4981.7	4873.8	4715.6	4467.8	4280.8	4232.6
55°	4160.4	4191.3	4513.7	4943.8	5328.1	5370.5	4939.2	4428.8	3963.1	3688.9	3639.6
57.5°	2673.8	2681.8	3075.3	3678.6	4544.6	4817.6	4096.1	3339.1	2759.8	2458.1	2437.5
60°	983.0	967.0	1264.1	1764.2	2617.6	2906.6	2411.1	1688.5	1204.4	991.1	973.9
62.5°	236.3	238.6	295.9	443.9	821.3	1016.3	802.9	448.5	285.6	239.7	237.4
65°	119.3	117.0	118.1	127.3	175.5	209.9	172.1	121.6	117.0	118.1	117.0
67.5°	76.9	75.7	78.0	79.1	78.0	73.4	72.3	74.6	74.6	75.7	73.4
70°	47.0	45.9	48.2	51.6	49.3	43.6	45.9	48.2	45.9	44.7	44.7
72.5°	25.2	25.2	27.5	29.8	27.5	25.2	25.2	26.4	25.2	25.2	25.2
75°	11.5	11.5	12.6	13.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
77.5°	3.4	3.4	4.6	4.6	3.4	3.4	3.4	3.4	4.6	4.6	4.6
80°	1.1	2.3	2.3	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)