

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: P633231

Luminaire Tested: GWS-SA2E-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633231
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-SA2E-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: 10126.7 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

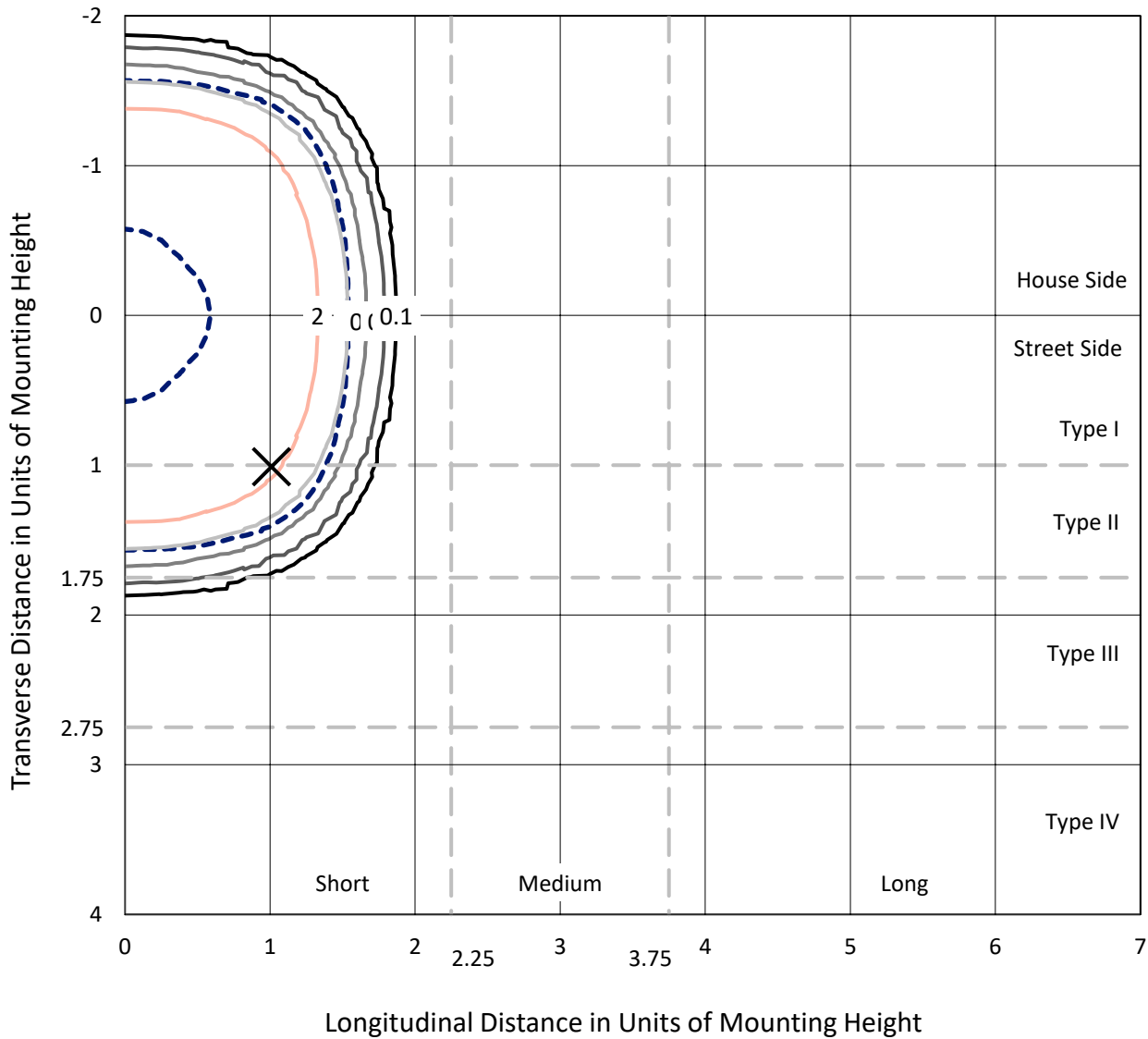
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

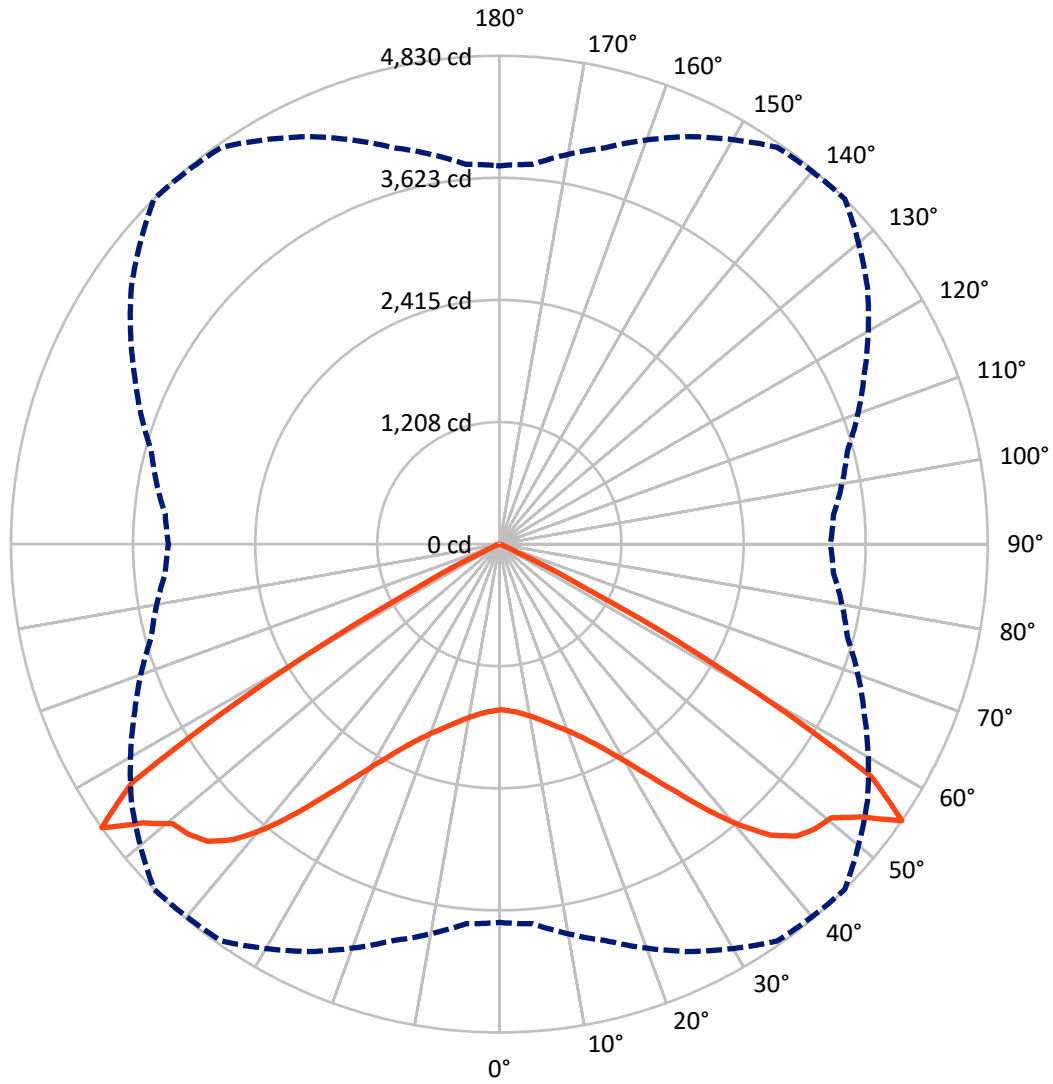
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 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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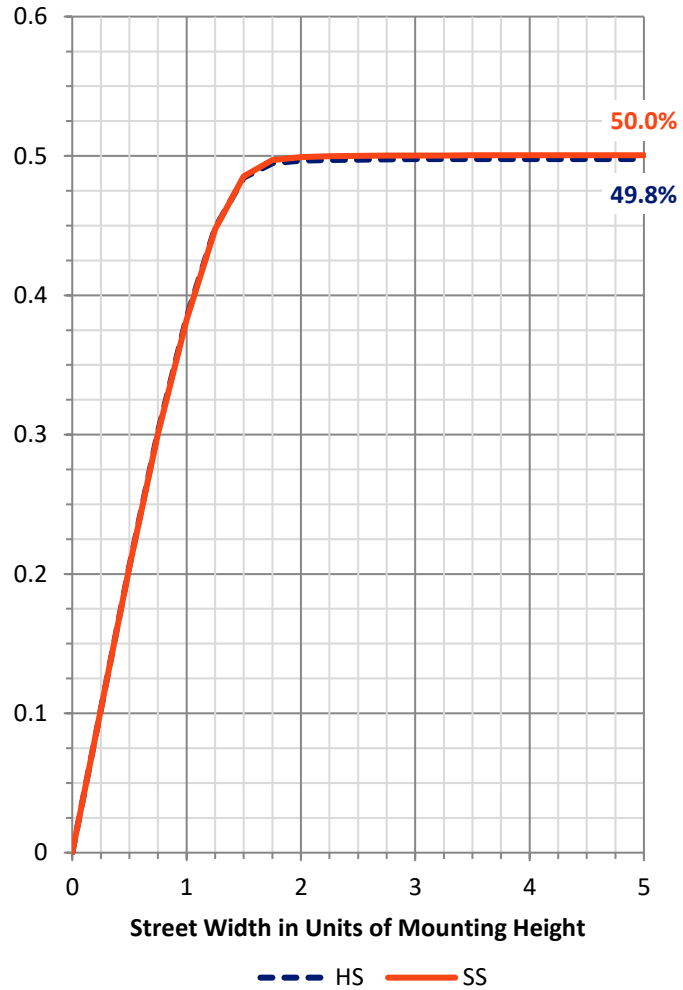
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5063.3	0.0	5063.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5063.3	0.0	5063.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10126.7	0.0	10126.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.6
10°-20°	520.0	5.1
20°-30°	1007.1	9.9
30°-40°	1804.2	17.8
40°-50°	3024.9	29.9
50°-60°	3238.0	32.0
60°-70°	355.8	3.5
70°-80°	15.7	0.2
80°-90°	0.7	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°	10126.7	100.0
0°-180°	10126.7	100.0

Coefficient of Utilization



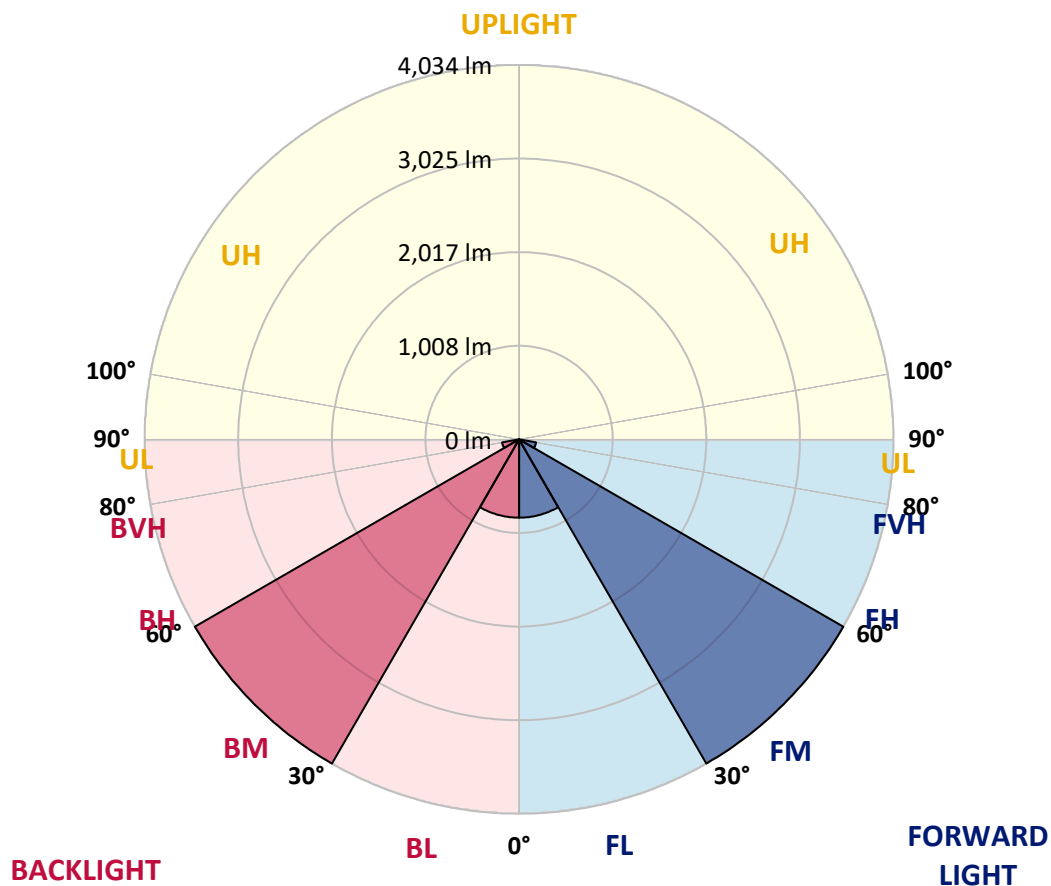
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.7	8.3			
FM (30°-60°)	4033.5	39.8			
FH (60°-80°)	185.7	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	843.7	8.3	B2/1000		
BM (30°-60°)	4033.5	39.8	B3/5000		
BH (60°-80°)	185.7	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°	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3	1637.3
2.5°	1634.2	1634.2	1638.3	1641.4	1641.4	1649.7	1646.6	1643.5	1643.5	1639.4	1647.6
5°	1657.9	1656.9	1661.0	1663.1	1659.0	1667.2	1662.1	1659.0	1656.9	1652.8	1661.0
7.5°	1683.7	1684.7	1685.8	1689.9	1687.8	1696.1	1692.0	1685.8	1683.7	1677.5	1685.8
10°	1714.7	1714.7	1716.7	1721.9	1722.9	1733.2	1729.1	1721.9	1715.7	1709.5	1717.8
12.5°	1753.9	1754.9	1758.0	1765.2	1769.3	1780.7	1774.5	1760.1	1750.8	1743.6	1752.8
15°	1810.6	1809.6	1813.7	1824.0	1829.2	1837.4	1828.2	1808.6	1797.2	1789.0	1795.1
17.5°	1872.5	1872.5	1874.6	1884.9	1892.1	1904.5	1893.2	1869.4	1859.1	1847.8	1853.9
20°	1940.6	1943.7	1945.8	1953.0	1965.4	1977.7	1968.5	1944.7	1933.4	1918.9	1926.2
22.5°	2030.4	2027.3	2028.3	2040.7	2058.2	2070.6	2063.4	2035.5	2015.9	2004.6	2008.7
25°	2130.4	2129.4	2132.5	2151.1	2170.7	2184.1	2173.8	2137.7	2118.1	2098.5	2106.7
27.5°	2253.2	2254.2	2256.3	2279.0	2310.0	2329.6	2303.8	2267.7	2240.8	2215.0	2221.2
30°	2398.7	2396.6	2402.8	2433.8	2479.2	2510.1	2480.2	2429.6	2391.5	2366.7	2369.8
32.5°	2553.4	2555.5	2572.0	2621.5	2681.4	2736.0	2675.2	2608.1	2558.6	2512.2	2518.4
35°	2720.6	2725.7	2762.9	2836.1	2934.1	3007.4	2922.8	2812.4	2742.2	2682.4	2684.5
37.5°	2917.6	2930.0	2981.6	3090.9	3231.3	3329.3	3205.5	3059.0	2968.2	2893.9	2888.7
40°	3176.6	3191.0	3261.2	3391.2	3561.4	3651.2	3507.7	3357.1	3244.7	3164.2	3151.8
42.5°	3473.7	3492.3	3568.6	3701.7	3871.9	3932.8	3792.5	3665.6	3564.5	3469.6	3465.4
45°	3809.0	3819.3	3881.2	3983.4	4106.1	4120.6	4015.3	3945.2	3843.0	3754.3	3747.1
47.5°	4123.7	4134.0	4176.3	4228.9	4257.8	4206.2	4187.6	4156.7	4024.6	3915.3	3892.6
50°	4363.0	4371.3	4423.9	4444.5	4364.0	4254.7	4290.8	4224.8	4081.4	3958.6	3923.5
52.5°	4346.5	4367.1	4502.3	4619.9	4569.4	4480.6	4383.7	4241.3	4018.4	3850.3	3806.9
55°	3741.9	3769.8	4059.7	4446.6	4792.2	4830.4	4442.5	3983.4	3564.5	3317.9	3273.6
57.5°	2404.9	2412.1	2766.0	3308.6	4087.6	4333.1	3684.2	3003.2	2482.2	2210.9	2192.3
60°	884.2	869.7	1136.9	1586.7	2354.3	2614.3	2168.6	1518.6	1083.3	891.4	875.9
62.5°	212.5	214.6	266.2	399.3	738.7	914.1	722.2	403.4	256.9	215.6	213.6
65°	107.3	105.2	106.3	114.5	157.8	188.8	154.8	109.4	105.2	106.3	105.2
67.5°	69.1	68.1	70.2	71.2	70.2	66.0	65.0	67.1	67.1	68.1	66.0
70°	42.3	41.3	43.3	46.4	44.4	39.2	41.3	43.3	41.3	40.2	40.2
72.5°	22.7	22.7	24.8	26.8	24.8	22.7	22.7	23.7	22.7	22.7	22.7
75°	10.3	10.3	11.3	12.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3
77.5°	3.1	3.1	4.1	4.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
80°	1.0	2.1	2.1	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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)