

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: P633286

Luminaire Tested: GWS-SA2E-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633286
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10267.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

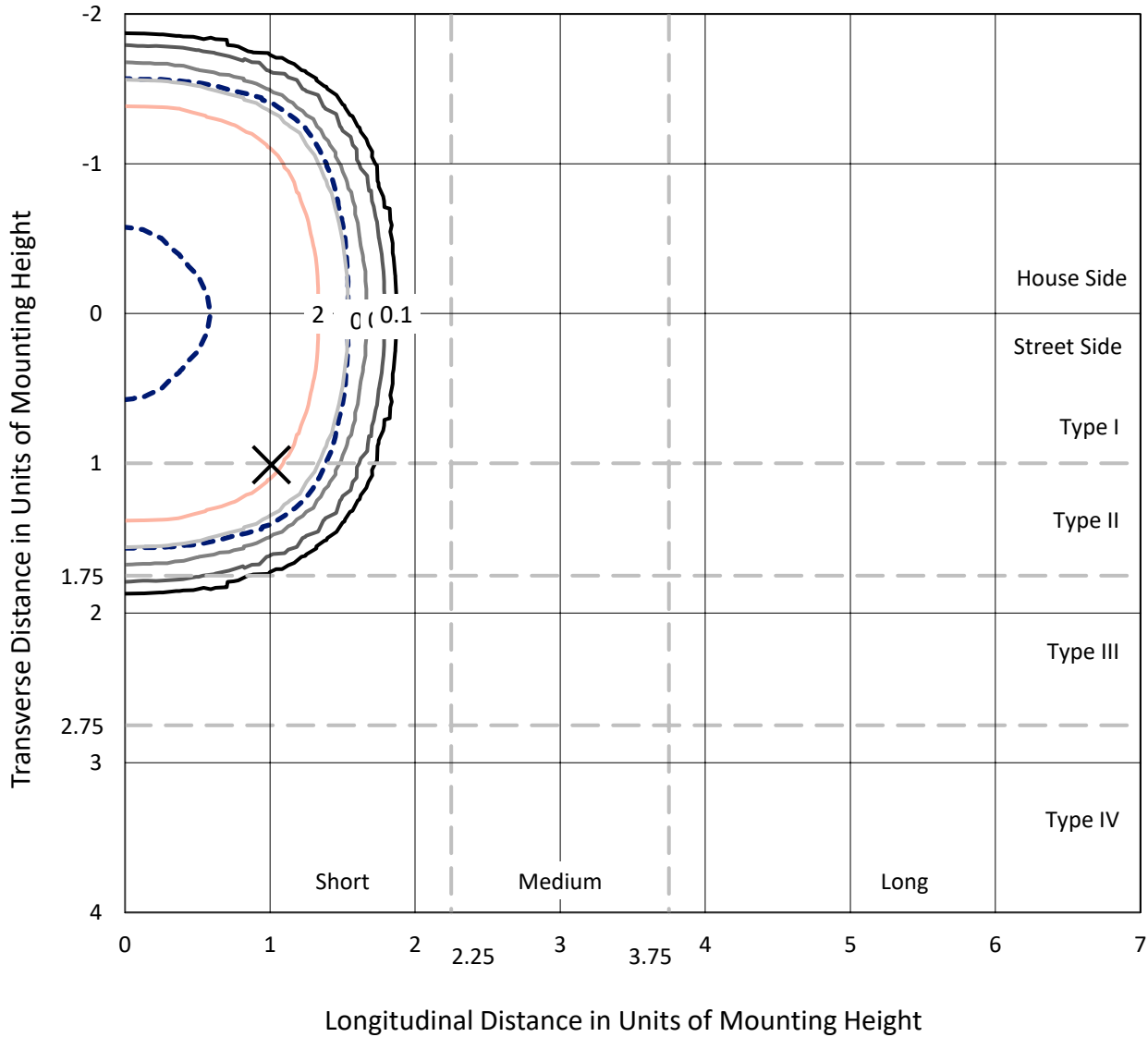
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

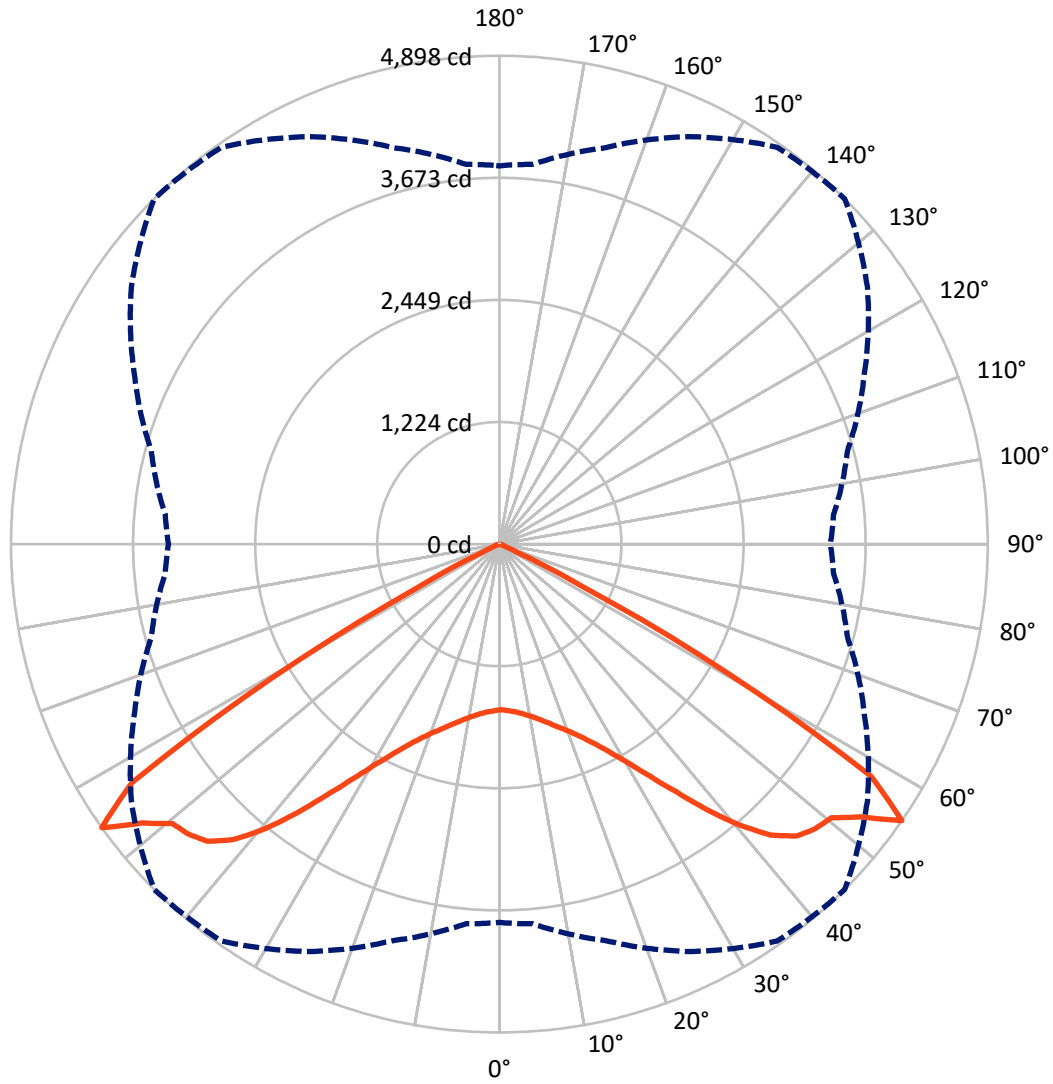
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	5133.7	0.0	5133.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5133.7	0.0	5133.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10267.4	0.0	10267.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	1.6
10°-20°	527.2	5.1
20°-30°	1021.1	9.9
30°-40°	1829.3	17.8
40°-50°	3066.9	29.9
50°-60°	3283.0	32.0
60°-70°	360.7	3.5
70°-80°	15.9	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°	10267.4	100.0
0°-180°	10267.4	100.0

Coefficient of Utilization



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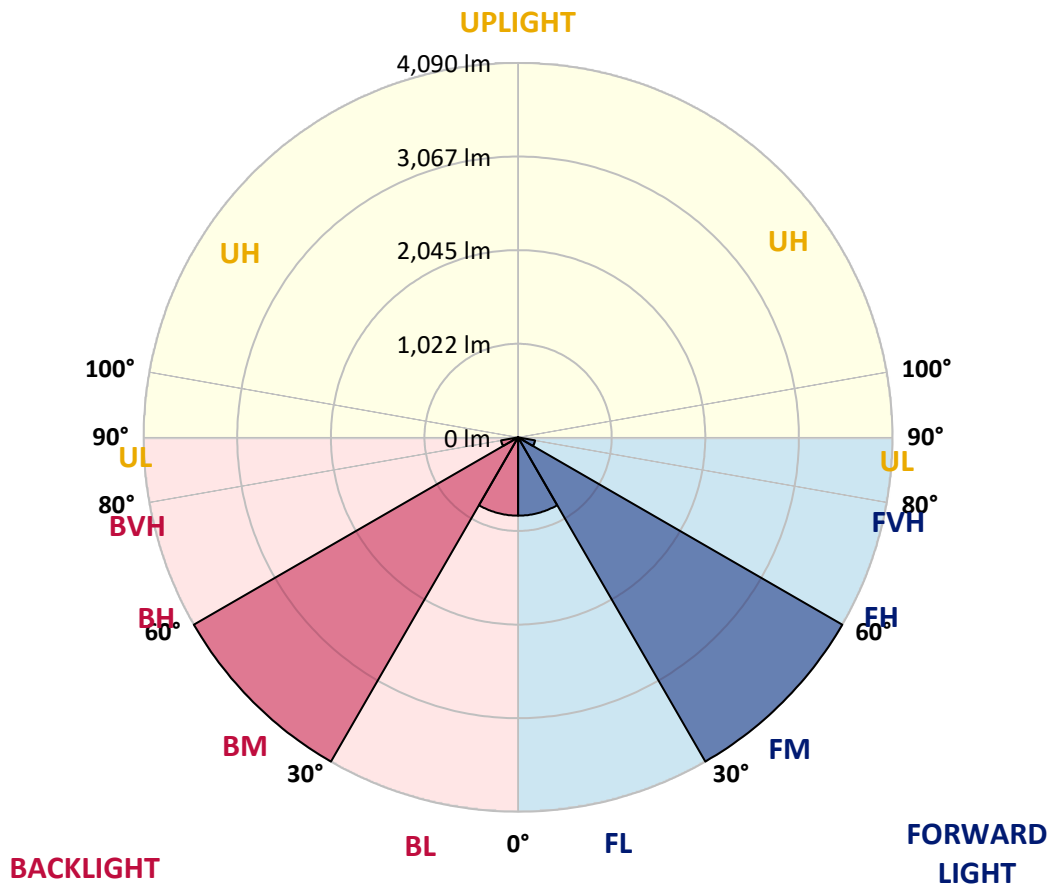
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	855.5	8.3			
FM (30°-60°)	4089.5	39.8			
FH (60°-80°)	188.3	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	855.5	8.3	B2/1000		
BM (30°-60°)	4089.5	39.8	B3/5000		
BH (60°-80°)	188.3	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°	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0	1660.0
2.5°	1656.9	1656.9	1661.1	1664.2	1664.2	1672.6	1669.5	1666.3	1666.3	1662.1	1670.5
5°	1681.0	1679.9	1684.1	1686.2	1682.0	1690.4	1685.1	1682.0	1679.9	1675.7	1684.1
7.5°	1707.1	1708.2	1709.2	1713.4	1711.3	1719.7	1715.5	1709.2	1707.1	1700.8	1709.2
10°	1738.5	1738.5	1740.6	1745.8	1746.9	1757.3	1753.1	1745.8	1739.5	1733.3	1741.6
12.5°	1778.2	1779.3	1782.4	1789.7	1793.9	1805.4	1799.2	1784.5	1775.1	1767.8	1777.2
15°	1835.8	1834.7	1838.9	1849.4	1854.6	1863.0	1853.6	1833.7	1822.2	1813.8	1820.1
17.5°	1898.5	1898.5	1900.6	1911.1	1918.4	1931.0	1919.5	1895.4	1884.9	1873.4	1879.7
20°	1967.6	1970.7	1972.8	1980.1	1992.7	2005.2	1995.8	1971.8	1960.2	1945.6	1952.9
22.5°	2058.6	2055.4	2056.5	2069.0	2086.8	2099.4	2092.0	2063.8	2043.9	2032.4	2036.6
25°	2160.0	2159.0	2162.1	2181.0	2200.8	2214.4	2204.0	2167.4	2147.5	2127.6	2136.0
27.5°	2284.5	2285.6	2287.7	2310.7	2342.0	2361.9	2335.8	2299.2	2272.0	2245.8	2252.1
30°	2432.0	2429.9	2436.2	2467.6	2513.6	2545.0	2514.6	2463.4	2424.7	2399.6	2402.7
32.5°	2588.9	2591.0	2607.7	2657.9	2718.6	2774.1	2712.3	2644.3	2594.1	2547.1	2553.3
35°	2758.4	2763.6	2801.3	2875.5	2974.9	3049.2	2963.4	2851.5	2780.3	2719.7	2721.8
37.5°	2958.2	2970.7	3023.0	3133.9	3276.1	3375.5	3250.0	3101.5	3009.4	2934.1	2928.9
40°	3220.7	3235.4	3306.5	3438.3	3610.9	3701.9	3556.5	3403.8	3289.7	3208.2	3195.6
42.5°	3522.0	3540.8	3618.2	3753.1	3925.7	3987.4	3845.2	3716.5	3614.0	3517.8	3513.6
45°	3861.9	3872.4	3935.1	4038.7	4163.2	4177.8	4071.1	4000.0	3896.4	3806.5	3799.2
47.5°	4181.0	4191.4	4234.3	4287.7	4316.9	4264.6	4245.8	4214.4	4080.5	3969.7	3946.6
50°	4423.6	4432.0	4485.4	4506.3	4424.7	4313.8	4350.4	4283.5	4138.1	4013.6	3978.0
52.5°	4406.9	4427.8	4564.9	4684.1	4632.8	4542.9	4444.6	4300.2	4074.3	3903.8	3859.8
55°	3793.9	3822.2	4116.1	4508.4	4858.8	4897.5	4504.2	4038.7	3614.0	3364.0	3319.0
57.5°	2438.3	2445.6	2804.4	3354.6	4144.3	4393.3	3735.4	3045.0	2516.7	2241.6	2222.8
60°	896.4	881.8	1152.7	1608.8	2387.0	2650.6	2198.7	1539.7	1098.3	903.8	888.1
62.5°	215.5	217.6	269.9	404.8	749.0	926.8	732.2	409.0	260.5	218.6	216.5
65°	108.8	106.7	107.7	116.1	160.0	191.4	156.9	110.9	106.7	107.7	106.7
67.5°	70.1	69.0	71.1	72.2	71.1	66.9	65.9	68.0	68.0	69.0	66.9
70°	42.9	41.8	43.9	47.1	45.0	39.7	41.8	43.9	41.8	40.8	40.8
72.5°	23.0	23.0	25.1	27.2	25.1	23.0	23.0	24.1	23.0	23.0	23.0
75°	10.5	10.5	11.5	12.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5
77.5°	3.1	3.1	4.2	4.2	3.1	3.1	3.1	3.1	4.2	4.2	4.2
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)