

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: P636753

Luminaire Tested: GWS-SA4B-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15128.5 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

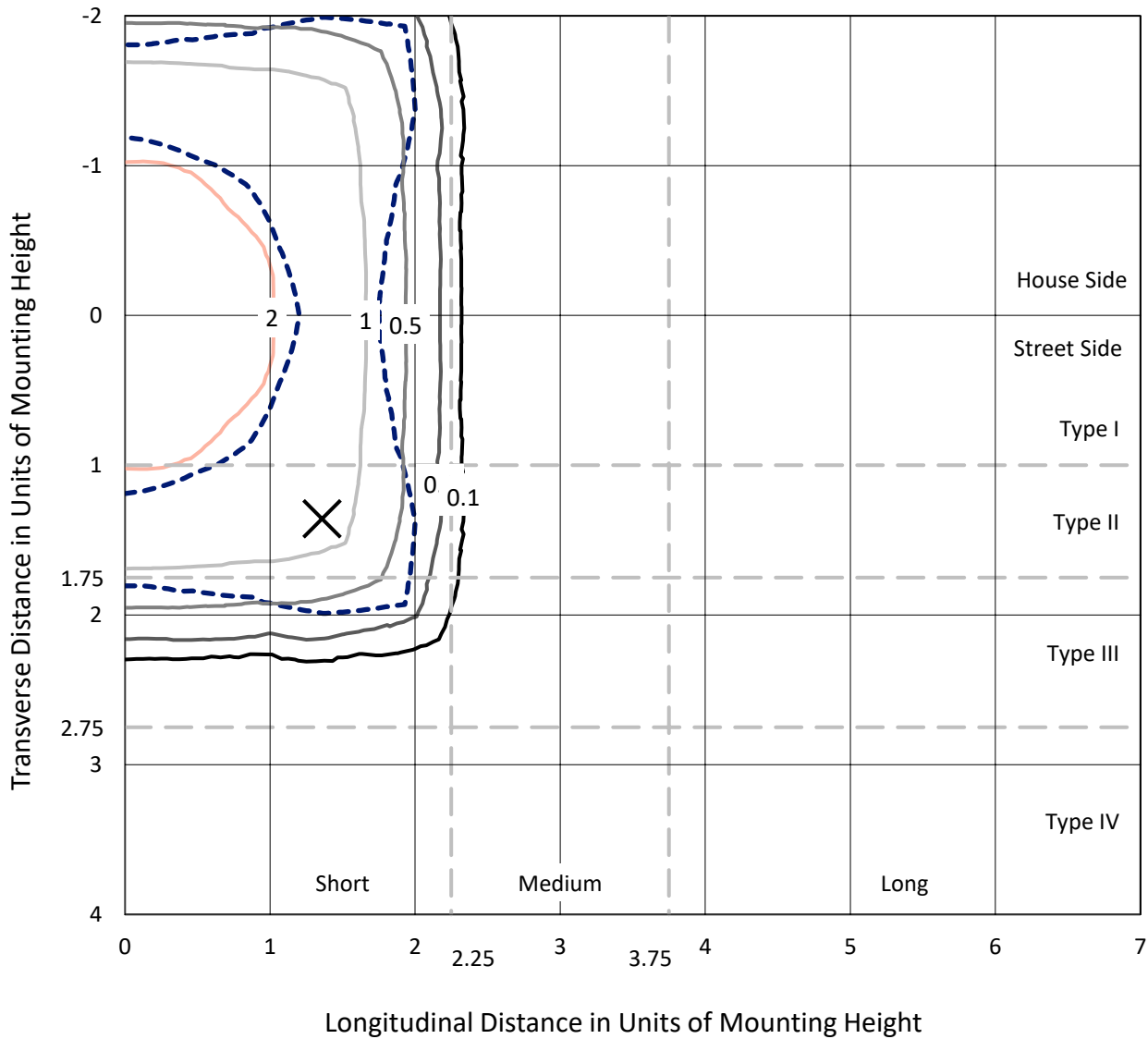
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

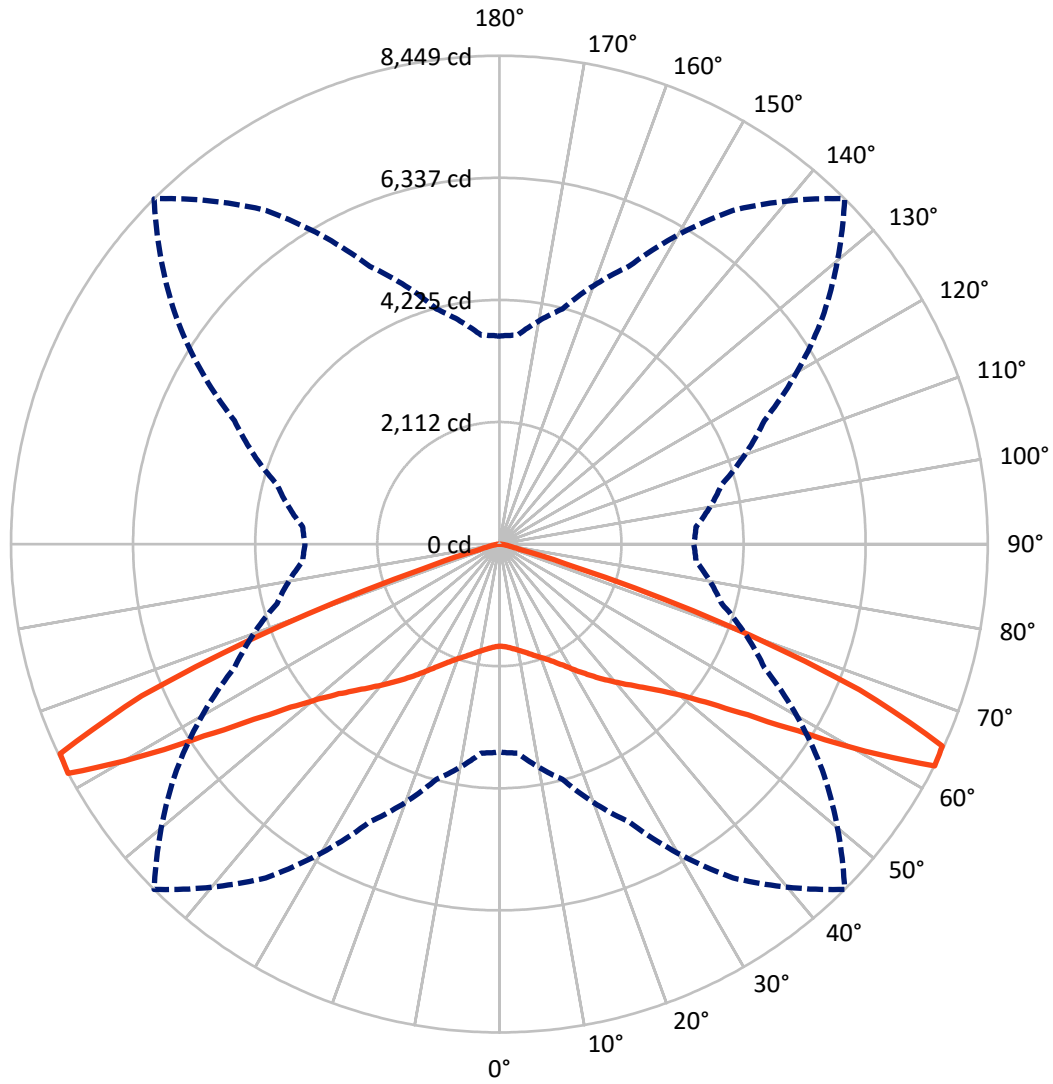
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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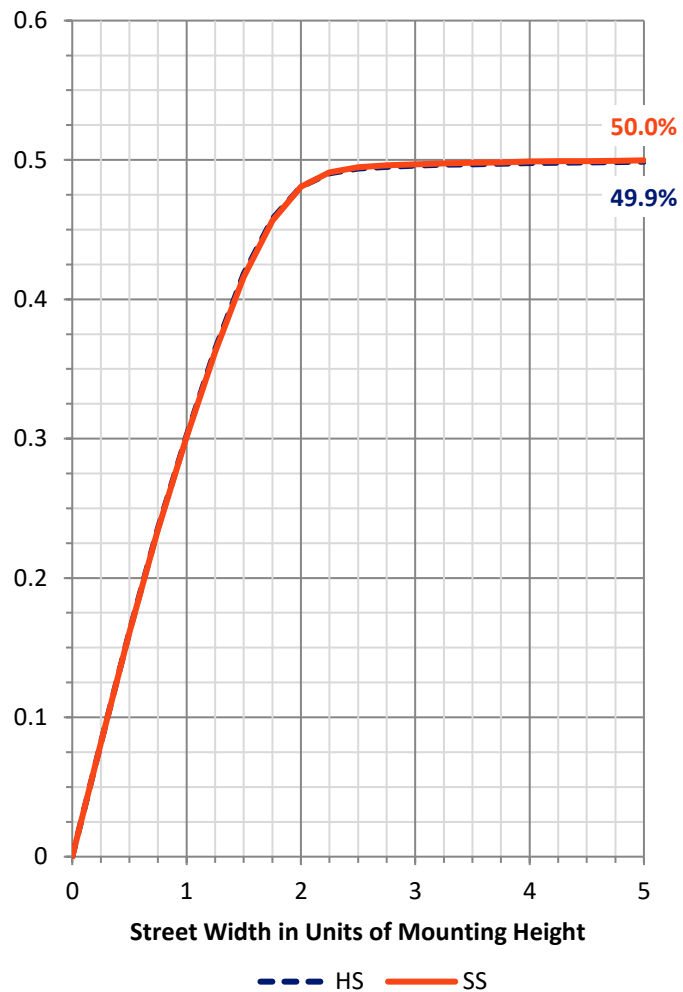
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7564.3	0.0	7564.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7564.3	0.0	7564.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15128.5	0.0	15128.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	1.1
10°-20°	558.4	3.7
20°-30°	1056.5	7.0
30°-40°	1778.2	11.8
40°-50°	2841.1	18.8
50°-60°	4579.6	30.3
60°-70°	3736.5	24.7
70°-80°	362.8	2.4
80°-90°	42.2	0.3
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°	15128.5	100.0
0°-180°	15128.5	100.0

Coefficient of Utilization



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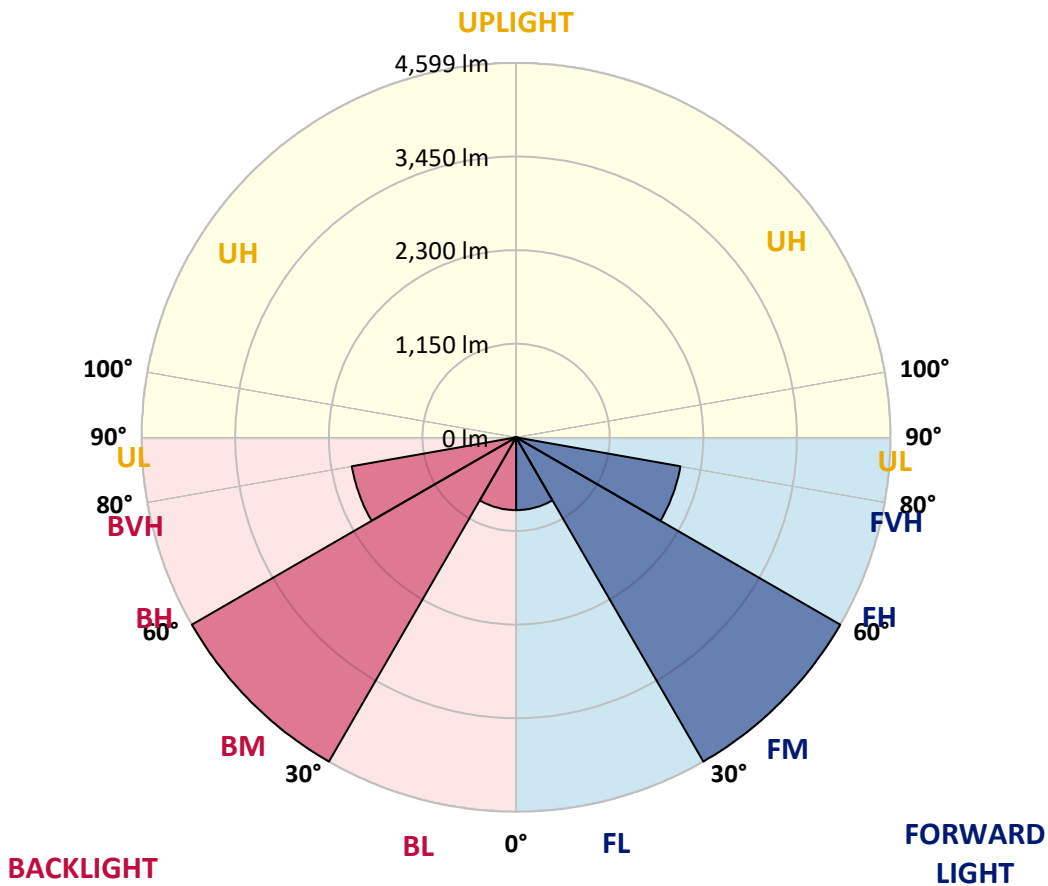
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	894.0	5.9			
FM (30°-60°)	4599.5	30.4			
FH (60°-80°)	2049.7	13.5			G2/5000
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	894.0	5.9	B2/1000		
BM (30°-60°)	4599.5	30.4	B3/5000		
BH (60°-80°)	2049.7	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9	1764.9
2.5°	1762.9	1762.9	1767.0	1770.1	1768.1	1776.4	1775.3	1773.2	1772.2	1769.1	1778.4
5°	1786.7	1786.7	1789.8	1793.0	1787.8	1798.1	1794.0	1791.9	1790.9	1786.7	1795.0
7.5°	1813.7	1816.8	1817.9	1823.0	1819.9	1831.3	1828.2	1824.1	1822.0	1816.8	1824.1
10°	1843.8	1845.9	1846.9	1856.3	1857.3	1870.8	1867.7	1862.5	1858.3	1853.1	1863.5
12.5°	1884.3	1885.3	1888.4	1899.8	1902.9	1913.3	1912.3	1905.0	1899.8	1892.6	1904.0
15°	1936.1	1937.2	1942.4	1953.8	1959.0	1971.4	1967.3	1955.9	1948.6	1940.3	1949.6
17.5°	1990.1	1994.3	1999.4	2010.9	2018.1	2032.6	2027.5	2015.0	2008.8	2000.5	2006.7
20°	2059.6	2060.7	2063.8	2076.2	2081.4	2098.0	2099.0	2086.6	2083.5	2075.2	2084.5
22.5°	2136.4	2137.4	2140.6	2154.0	2163.4	2173.8	2180.0	2172.7	2167.5	2157.2	2168.6
25°	2221.5	2231.9	2235.0	2251.6	2261.9	2268.2	2275.4	2272.3	2265.1	2252.6	2257.8
27.5°	2340.8	2342.9	2348.1	2366.7	2373.0	2379.2	2386.5	2387.5	2377.1	2362.6	2369.9
30°	2476.7	2475.7	2487.1	2501.6	2506.8	2512.0	2522.4	2528.6	2515.1	2499.6	2506.8
32.5°	2615.8	2628.2	2642.7	2656.2	2653.1	2655.2	2671.8	2683.2	2664.5	2636.5	2642.7
35°	2772.4	2780.7	2799.4	2819.1	2815.0	2811.9	2822.2	2833.7	2807.7	2771.4	2780.7
37.5°	2933.3	2945.7	2973.7	2997.6	2991.4	2976.9	2988.3	3000.7	2975.8	2934.3	2930.2
40°	3112.8	3132.5	3173.0	3192.7	3176.1	3148.1	3167.8	3197.9	3173.0	3125.2	3113.8
42.5°	3323.4	3347.3	3387.7	3417.8	3381.5	3335.9	3369.1	3412.6	3406.4	3343.1	3323.4
45°	3583.8	3599.4	3649.2	3663.7	3609.8	3546.5	3606.7	3673.1	3657.5	3589.0	3563.1
47.5°	3867.1	3891.0	3934.5	3961.5	3874.4	3795.5	3879.6	3968.8	3952.2	3887.9	3857.8
50°	4228.2	4259.3	4316.4	4339.2	4218.8	4128.6	4236.5	4349.6	4317.4	4231.3	4191.9
52.5°	4621.4	4646.3	4743.9	4789.5	4676.4	4578.9	4673.3	4784.3	4715.9	4601.7	4548.8
55°	4968.0	4992.9	5136.1	5287.6	5282.4	5214.9	5262.7	5264.7	5079.0	4890.2	4834.1
57.5°	5042.7	5067.6	5340.5	5736.8	6017.0	6094.8	5954.7	5660.1	5192.1	4861.1	4797.8
60°	4644.3	4672.3	5106.0	5830.2	6751.6	7271.4	6626.1	5651.8	4842.4	4394.2	4334.0
62.5°	3598.4	3628.5	4211.6	5299.0	7048.4	8449.1	6821.1	5057.2	3983.3	3415.8	3362.8
65°	1718.3	1718.3	2459.1	3800.7	6456.9	8421.1	6256.7	3741.6	2397.9	1841.7	1796.1
67.5°	425.4	427.5	632.9	1479.6	4392.1	6720.5	4463.7	1796.1	844.6	597.7	582.1
70°	265.6	264.6	293.6	400.5	1536.7	4078.8	1825.1	541.6	343.4	303.0	300.9
72.5°	206.5	206.5	221.0	256.3	402.6	1389.3	532.3	300.9	249.0	224.1	224.1
75°	162.9	162.9	173.3	192.0	237.6	358.0	283.3	223.1	193.0	176.4	174.3
77.5°	121.4	123.5	131.8	144.2	161.9	201.3	179.5	168.1	150.5	138.0	133.8
80°	78.9	82.0	92.3	99.6	105.8	132.8	117.2	122.4	114.1	99.6	97.5
82.5°	42.5	43.6	56.0	58.1	60.2	72.6	74.7	77.8	80.9	63.3	59.1
85°	15.6	15.6	18.7	21.8	23.9	25.9	35.3	43.6	45.7	36.3	35.3
87.5°	3.1	3.1	3.1	2.1	2.1	2.1	6.2	11.4	18.7	14.5	14.5
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)