

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: P641486

Luminaire Tested: GWS-SA6B-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15810.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

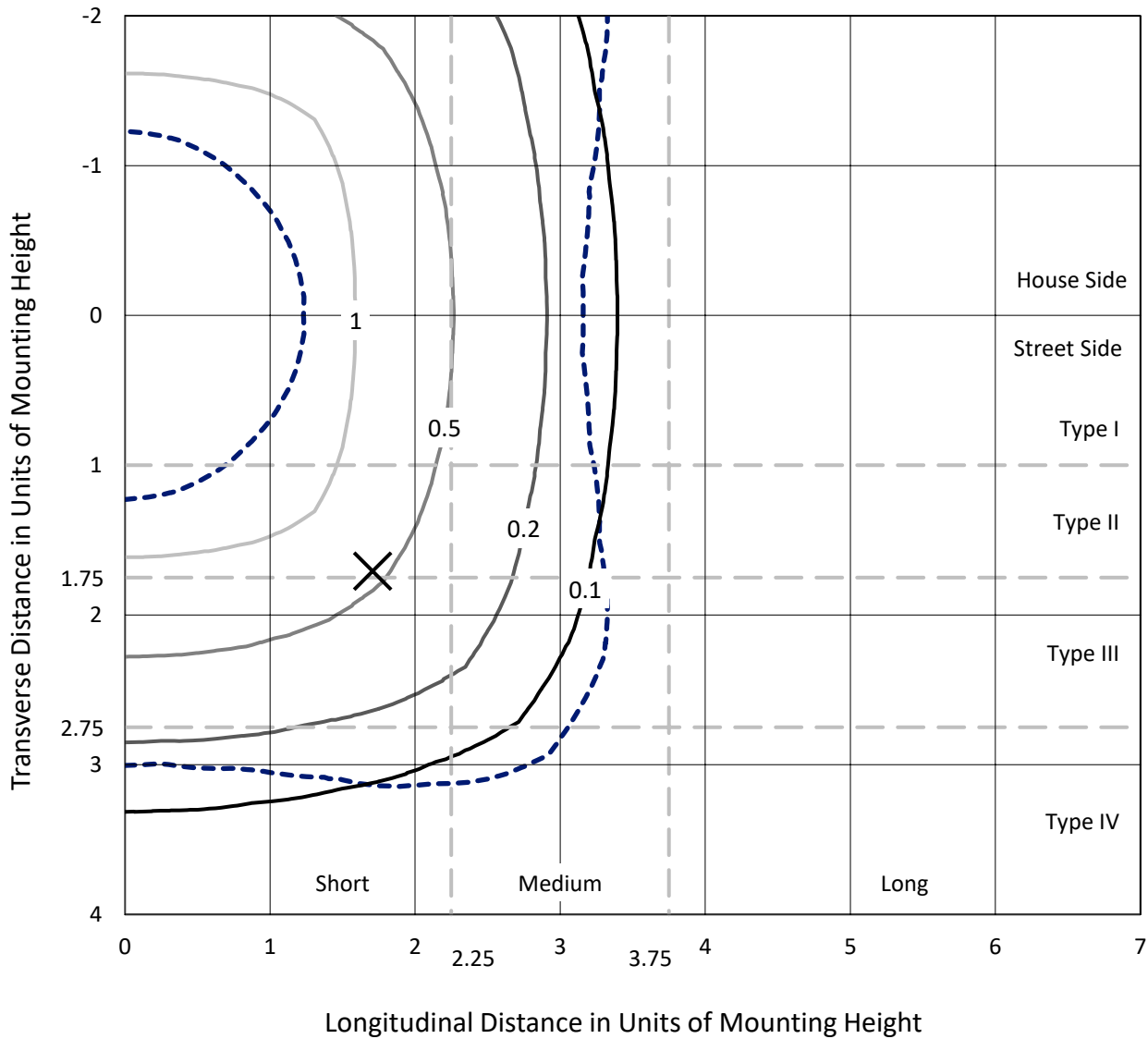
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

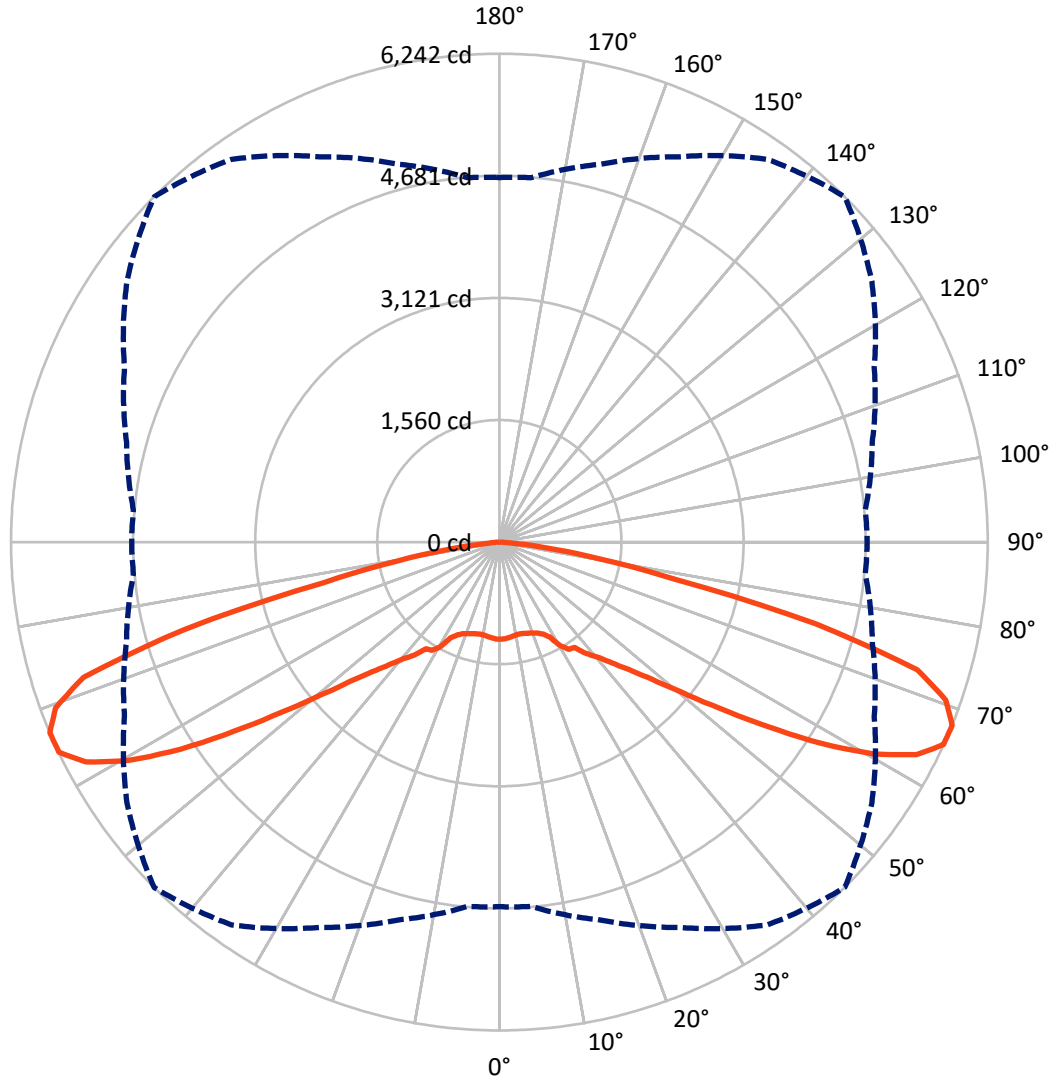
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7905.4	0.0	7905.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7905.4	0.0	7905.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	15810.8	0.0	15810.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	0.7
10°-20°	345.5	2.2
20°-30°	619.7	3.9
30°-40°	1046.9	6.6
40°-50°	1839.4	11.6
50°-60°	3548.3	22.4
60°-70°	5148.1	32.6
70°-80°	2945.5	18.6
80°-90°	201.0	1.3
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°	15810.8	100.0
0°-180°	15810.8	100.0

Coefficient of Utilization



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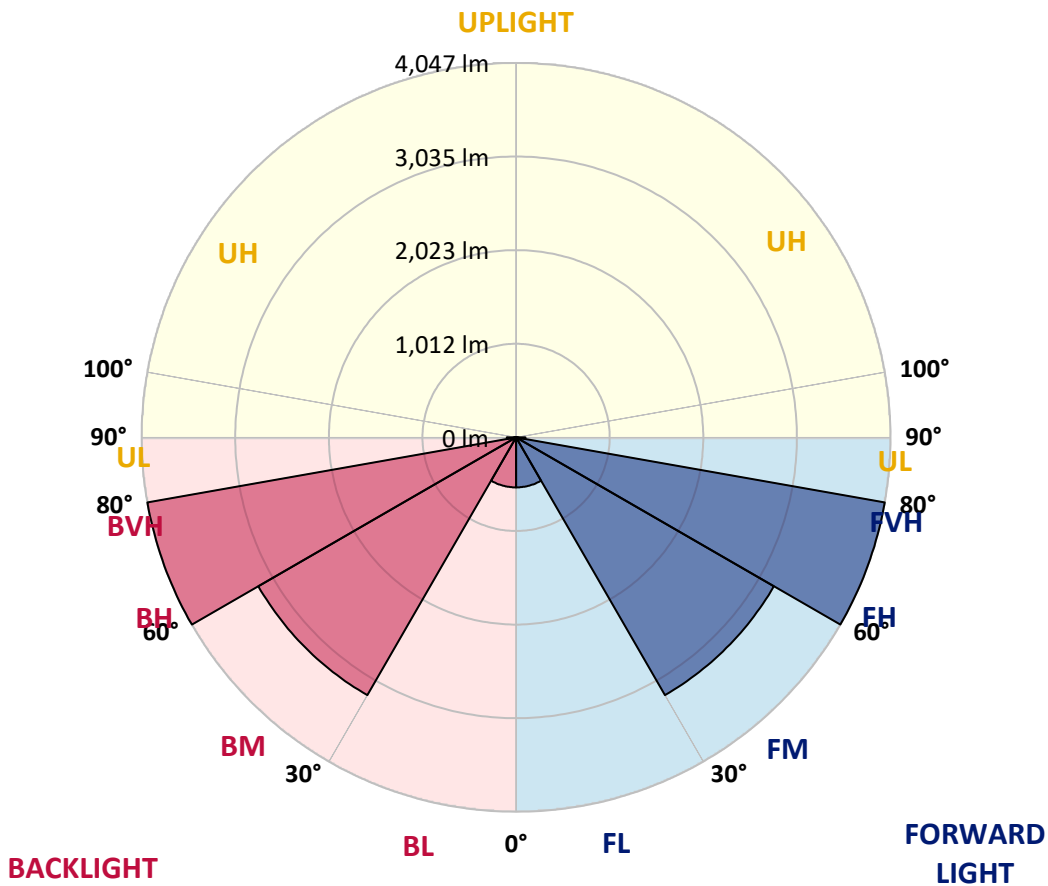
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.8	3.4			
FM (30°-60°)	3217.3	20.3			
FH (60°-80°)	4046.8	25.6			G2/5000
FVH (80°-90°)	100.5	0.6			G2/225
BL (0°-30°)	540.8	3.4	B2/1000		
BM (30°-60°)	3217.3	20.3	B3/5000		
BH (60°-80°)	4046.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	100.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9	1239.9
2.5°	1229.8	1230.9	1233.2	1233.2	1235.4	1238.8	1239.9	1237.7	1238.8	1233.2	1238.8
5°	1226.5	1227.6	1228.7	1226.5	1226.5	1227.6	1227.6	1225.4	1226.5	1220.9	1226.5
7.5°	1218.6	1219.8	1219.8	1216.4	1213.1	1215.3	1215.3	1213.1	1214.2	1208.6	1215.3
10°	1211.9	1211.9	1210.8	1204.1	1200.8	1204.1	1205.2	1206.3	1210.8	1206.3	1214.2
12.5°	1216.4	1216.4	1213.1	1204.1	1198.5	1200.8	1203.0	1205.2	1213.1	1211.9	1220.9
15°	1228.7	1229.8	1220.9	1210.8	1207.5	1210.8	1208.6	1207.5	1217.5	1220.9	1230.9
17.5°	1238.8	1238.8	1227.6	1217.5	1218.6	1224.2	1219.8	1214.2	1224.2	1230.9	1242.1
20°	1247.7	1246.6	1234.3	1227.6	1232.1	1239.9	1236.5	1228.7	1235.4	1243.2	1253.3
22.5°	1270.1	1269.0	1255.5	1252.2	1256.7	1264.5	1261.1	1254.4	1262.2	1273.4	1285.7
25°	1333.8	1331.6	1311.4	1300.3	1298.0	1303.6	1302.5	1300.3	1312.6	1326.0	1340.5
27.5°	1418.8	1417.7	1403.1	1391.9	1377.4	1372.9	1376.3	1386.4	1404.2	1414.3	1426.6
30°	1461.3	1461.3	1459.0	1476.9	1508.2	1538.4	1514.9	1476.9	1461.3	1456.8	1469.1
32.5°	1517.2	1522.7	1514.9	1535.0	1587.6	1632.3	1587.6	1526.1	1514.9	1514.9	1528.3
35°	1645.7	1648.0	1635.7	1632.3	1649.1	1654.7	1633.4	1611.1	1623.4	1625.6	1642.4
37.5°	1748.6	1748.6	1743.0	1751.9	1786.6	1807.8	1773.2	1732.9	1736.3	1738.5	1759.8
40°	1907.4	1911.8	1898.4	1897.3	1910.7	1929.7	1892.8	1867.1	1885.0	1890.6	1923.0
42.5°	2105.2	2105.2	2085.1	2079.5	2088.5	2108.6	2073.9	2057.2	2080.6	2085.1	2104.1
45°	2341.1	2346.7	2319.9	2309.8	2314.3	2321.0	2296.4	2288.6	2311.0	2321.0	2354.6
47.5°	2628.5	2634.1	2610.6	2609.5	2605.0	2609.5	2586.0	2581.5	2599.4	2591.6	2627.4
50°	2982.9	2993.0	2972.8	3000.8	2997.4	3010.8	2978.4	2954.9	2954.9	2933.7	2953.8
52.5°	3379.8	3399.9	3410.0	3456.9	3492.7	3526.3	3472.6	3435.7	3382.0	3338.4	3393.2
55°	3812.5	3806.9	3870.6	3973.5	4078.6	4157.9	4052.8	3936.6	3849.4	3758.8	3780.0
57.5°	4191.5	4210.5	4294.3	4482.2	4690.1	4857.8	4668.9	4445.3	4247.4	4117.7	4135.6
60°	4506.8	4522.4	4634.2	4904.8	5268.1	5499.6	5199.9	4831.0	4543.7	4364.8	4383.8
62.5°	4797.4	4812.0	4924.9	5223.4	5681.8	5983.7	5596.8	5092.6	4772.8	4592.8	4604.0
65°	4965.1	4974.1	5128.4	5442.5	5925.5	6237.5	5801.4	5281.5	4967.4	4784.0	4790.7
67.5°	4659.9	4674.5	4999.8	5433.6	5972.5	6241.9	5810.4	5287.1	4933.8	4694.6	4700.2
70°	3676.1	3663.8	4051.7	4797.4	5703.0	6054.1	5552.1	4890.2	4344.6	4010.4	4004.8
72.5°	2802.9	2806.2	3022.0	3533.0	4649.9	5586.8	4899.2	3937.7	3349.6	3095.8	3085.7
75°	2032.6	2063.9	2239.4	2613.9	3252.3	4175.8	3688.4	2918.0	2524.5	2372.4	2350.1
77.5°	915.7	955.9	1200.8	1641.3	2174.6	2307.6	2316.5	1981.1	1494.8	1242.1	1203.0
80°	267.2	286.2	367.8	629.4	1012.9	1309.2	1039.8	874.3	544.5	427.1	407.0
82.5°	112.9	128.6	157.6	174.4	294.0	607.1	377.9	240.4	223.6	181.1	165.5
85°	48.1	51.4	66.0	70.4	95.0	129.7	119.6	108.4	104.0	80.5	73.8
87.5°	20.1	20.1	20.1	17.9	16.8	17.9	24.6	31.3	41.4	32.4	30.2
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)