

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: P639286

Luminaire Tested: GWS-SA5B-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639286
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-SA5B-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18413.3 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

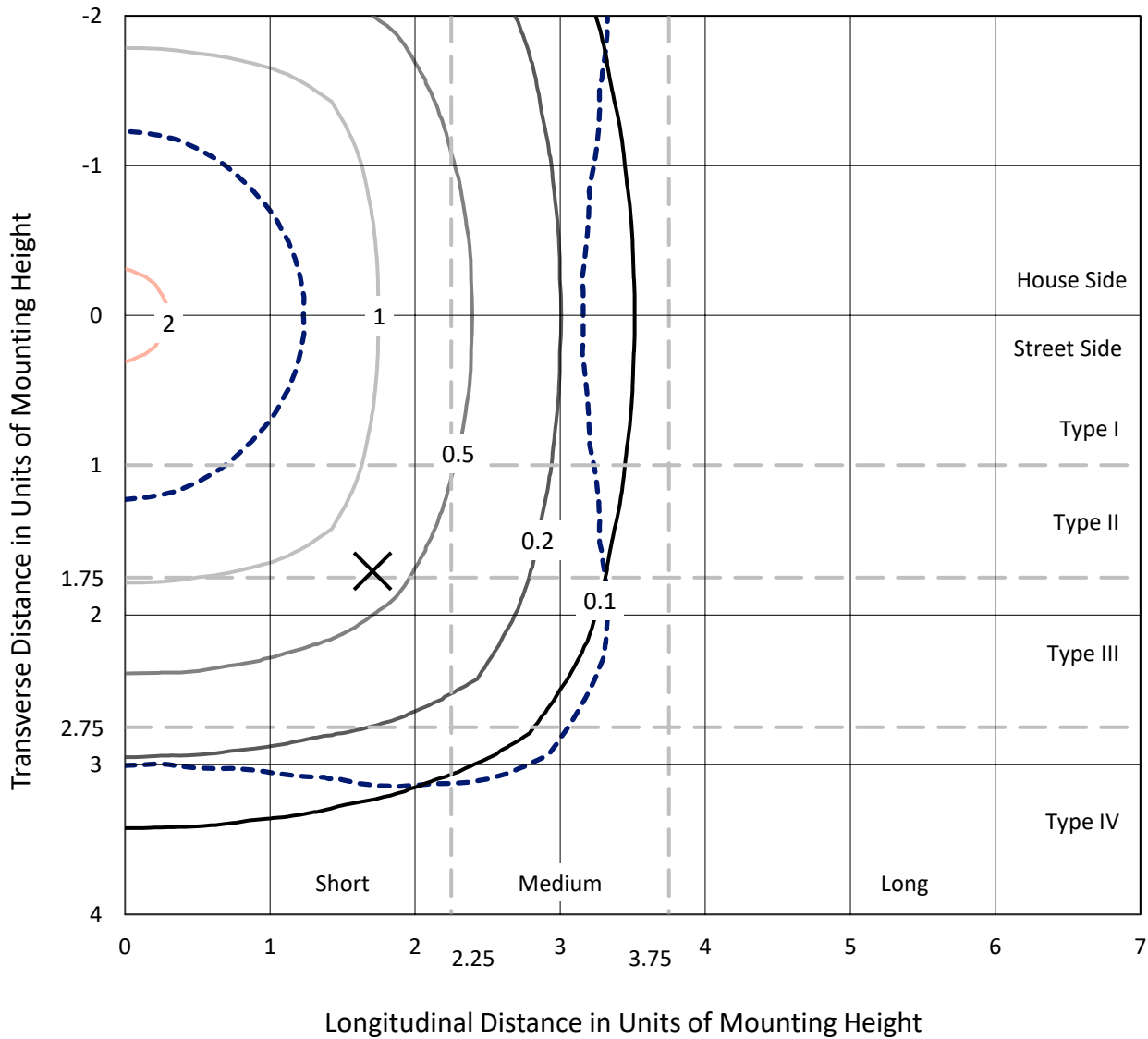
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

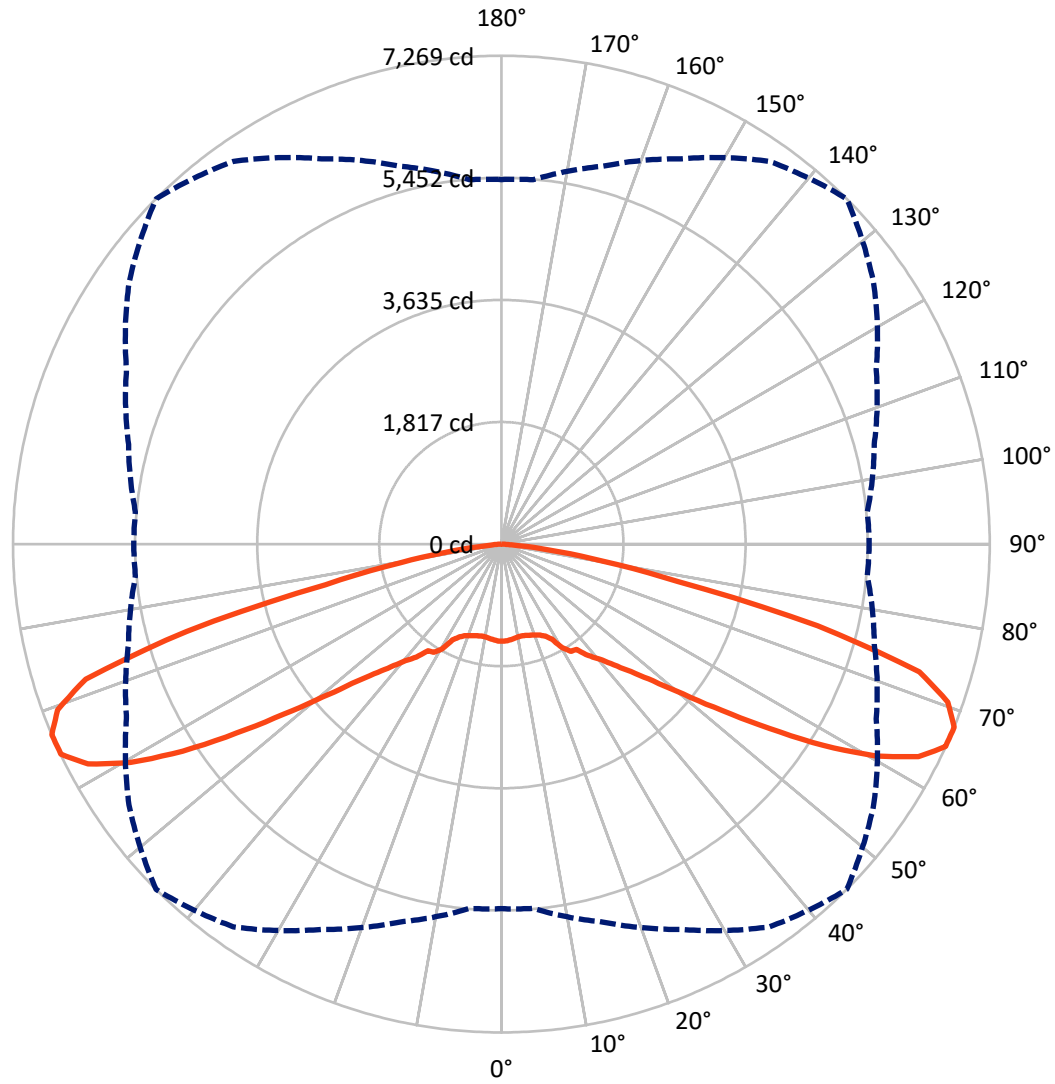
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	9206.6	0.0	9206.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9206.6	0.0	9206.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18413.3	0.0	18413.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	0.7
10°-20°	402.3	2.2
20°-30°	721.7	3.9
30°-40°	1219.2	6.6
40°-50°	2142.2	11.6
50°-60°	4132.3	22.4
60°-70°	5995.5	32.6
70°-80°	3430.3	18.6
80°-90°	234.1	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°	18413.3	100.0
0°-180°	18413.3	100.0

Coefficient of Utilization



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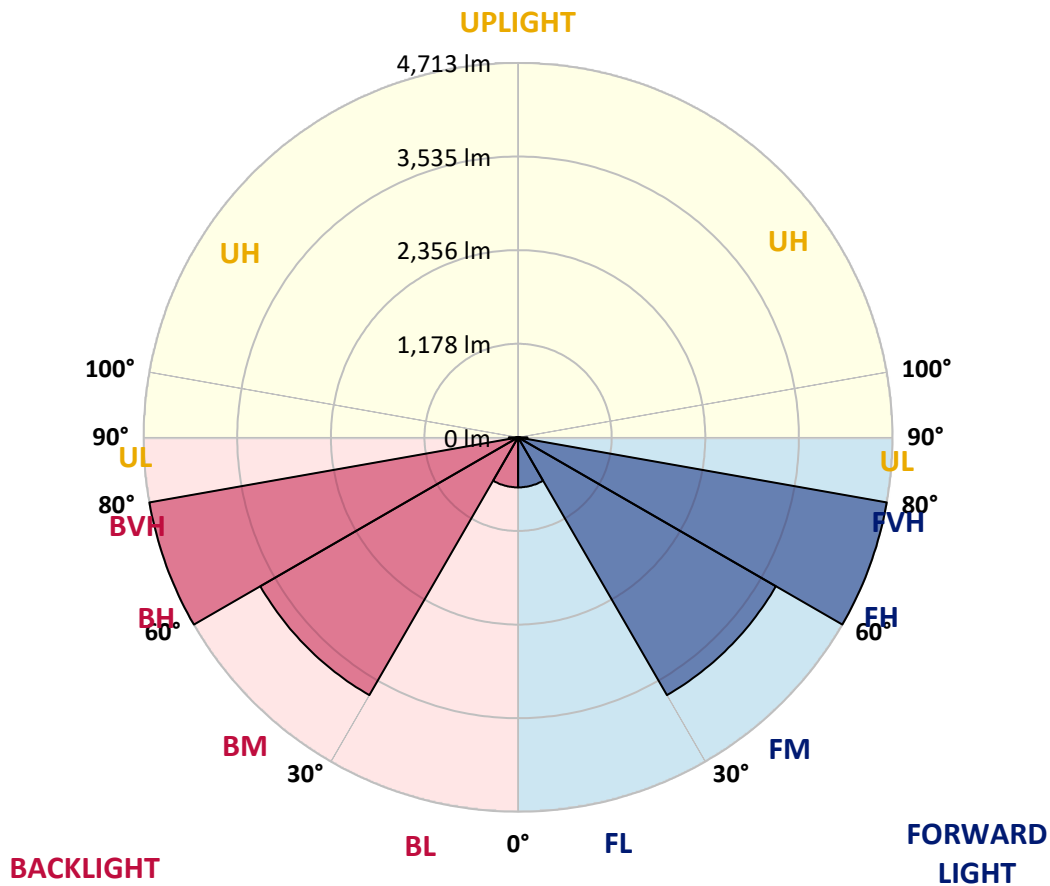
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	629.8	3.4			
FM (30°-60°)	3746.9	20.3			
FH (60°-80°)	4712.9	25.6			G2/5000
FVH (80°-90°)	117.1	0.6			G2/225
BL (0°-30°)	629.8	3.4	B2/1000		
BM (30°-60°)	3746.9	20.3	B3/5000		
BH (60°-80°)	4712.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	117.1	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°	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0
2.5°	1432.3	1433.6	1436.2	1436.2	1438.8	1442.7	1444.0	1441.4	1442.7	1436.2	1442.7
5°	1428.4	1429.7	1431.0	1428.4	1428.4	1429.7	1429.7	1427.1	1428.4	1421.8	1428.4
7.5°	1419.2	1420.5	1420.5	1416.6	1412.7	1415.3	1415.3	1412.7	1414.0	1407.5	1415.3
10°	1411.4	1411.4	1410.1	1402.3	1398.4	1402.3	1403.6	1404.9	1410.1	1404.9	1414.0
12.5°	1416.6	1416.6	1412.7	1402.3	1395.8	1398.4	1401.0	1403.6	1412.7	1411.4	1421.8
15°	1431.0	1432.3	1421.8	1410.1	1406.2	1410.1	1407.5	1406.2	1417.9	1421.8	1433.6
17.5°	1442.7	1442.7	1429.7	1417.9	1419.2	1425.7	1420.5	1414.0	1425.7	1433.6	1446.6
20°	1453.1	1451.8	1437.5	1429.7	1434.9	1444.0	1440.1	1431.0	1438.8	1447.9	1459.6
22.5°	1479.1	1477.8	1462.2	1458.3	1463.5	1472.6	1468.7	1460.9	1470.0	1483.0	1497.4
25°	1553.4	1550.7	1527.3	1514.3	1511.7	1518.2	1516.9	1514.3	1528.6	1544.2	1561.2
27.5°	1652.3	1651.0	1634.1	1621.1	1604.1	1598.9	1602.8	1614.5	1635.4	1647.1	1661.4
30°	1701.8	1701.8	1699.2	1720.0	1756.5	1791.6	1764.3	1720.0	1701.8	1696.6	1710.9
32.5°	1766.9	1773.4	1764.3	1787.7	1848.9	1901.0	1848.9	1777.3	1764.3	1764.3	1779.9
35°	1916.6	1919.2	1904.9	1901.0	1920.5	1927.0	1902.3	1876.3	1890.6	1893.2	1912.7
37.5°	2036.4	2036.4	2029.9	2040.3	2080.7	2105.4	2065.1	2018.2	2022.1	2024.7	2049.4
40°	2221.3	2226.5	2210.9	2209.6	2225.2	2247.3	2204.4	2174.4	2195.3	2201.8	2239.5
42.5°	2451.8	2451.8	2428.3	2421.8	2432.2	2455.7	2415.3	2395.8	2423.1	2428.3	2450.5
45°	2726.5	2733.0	2701.8	2690.0	2695.3	2703.1	2674.4	2665.3	2691.3	2703.1	2742.1
47.5°	3061.1	3067.6	3040.3	3039.0	3033.8	3039.0	3011.7	3006.4	3027.3	3018.2	3059.8
50°	3473.9	3485.6	3462.2	3494.7	3490.8	3506.4	3468.7	3441.3	3441.3	3416.6	3440.0
52.5°	3936.1	3959.5	3971.3	4026.0	4067.6	4106.7	4044.2	4001.2	3938.7	3887.9	3951.7
55°	4440.0	4433.5	4507.7	4627.5	4749.9	4842.3	4719.9	4584.5	4483.0	4377.5	4402.2
57.5°	4881.4	4903.5	5001.2	5219.9	5462.1	5657.4	5437.4	5177.0	4946.5	4795.5	4816.3
60°	5248.6	5266.8	5397.0	5712.1	6135.3	6404.8	6055.9	5626.2	5291.5	5083.2	5105.4
62.5°	5587.1	5604.0	5735.6	6083.2	6617.0	6968.6	6518.1	5930.9	5558.5	5348.8	5361.9
65°	5782.4	5792.8	5972.5	6338.4	6900.9	7264.2	6756.4	6150.9	5785.0	5571.5	5579.3
67.5°	5427.0	5443.9	5822.8	6328.0	6955.6	7269.4	6766.8	6157.4	5746.0	5467.3	5473.8
70°	4281.2	4266.8	4718.6	5587.1	6641.8	7050.6	6466.0	5695.2	5059.8	4670.5	4664.0
72.5°	3264.3	3268.2	3519.5	4114.5	5415.2	6506.4	5705.6	4585.8	3901.0	3605.4	3593.7
75°	2367.1	2403.6	2608.0	3044.2	3787.7	4863.2	4295.5	3398.4	2940.0	2763.0	2736.9
77.5°	1066.4	1113.3	1398.4	1911.4	2532.5	2687.4	2697.9	2307.2	1740.8	1446.6	1401.0
80°	311.2	333.3	428.4	733.1	1179.7	1524.7	1210.9	1018.2	634.1	497.4	473.9
82.5°	131.5	149.7	183.6	203.1	342.4	707.0	440.1	279.9	260.4	210.9	192.7
85°	56.0	59.9	76.8	82.0	110.7	151.0	139.3	126.3	121.1	93.7	85.9
87.5°	23.4	23.4	23.4	20.8	19.5	20.8	28.6	36.5	48.2	37.8	35.2
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)