

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: P631580

Luminaire Tested: GWS-SA2B-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5264.3 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

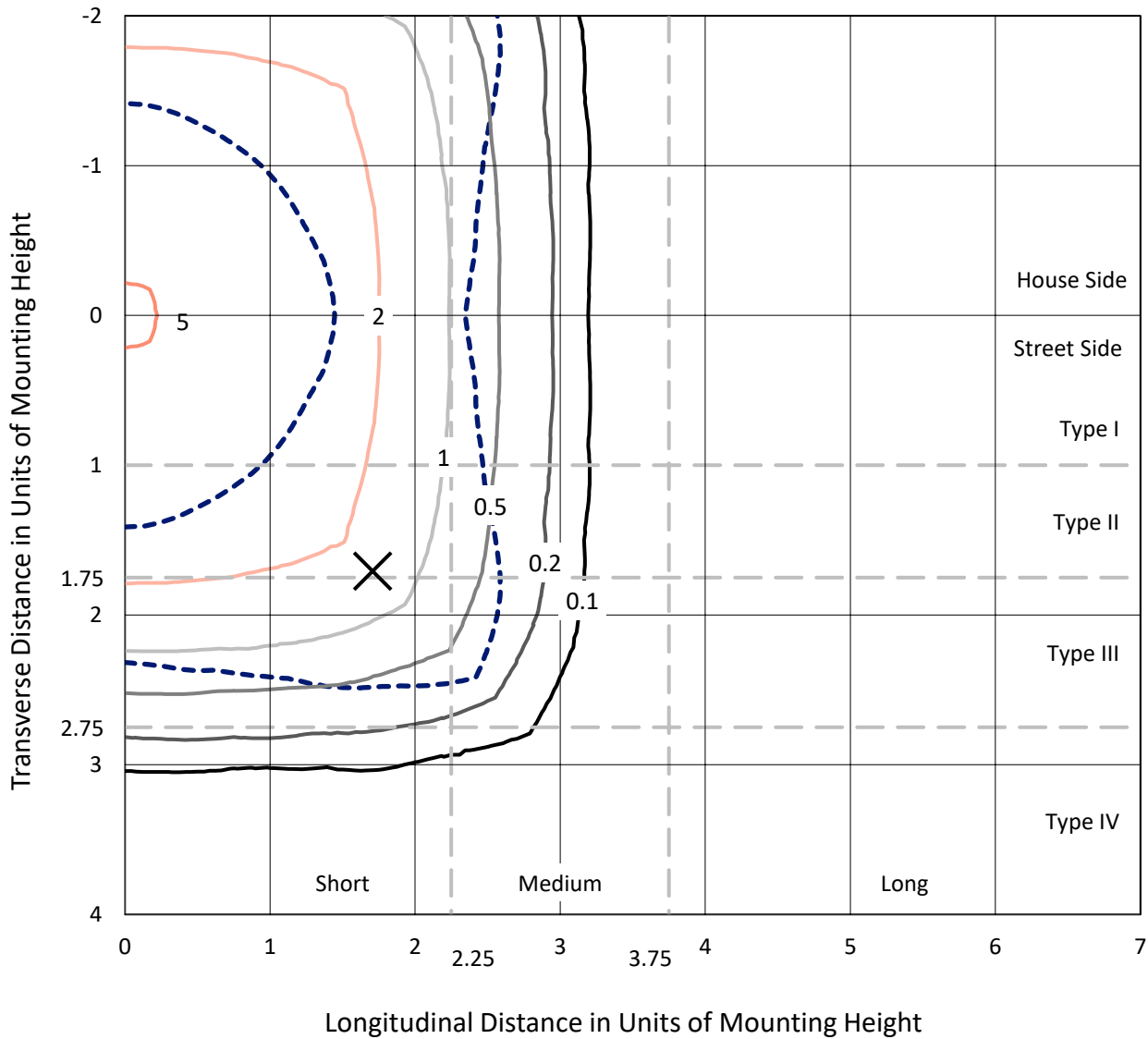
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

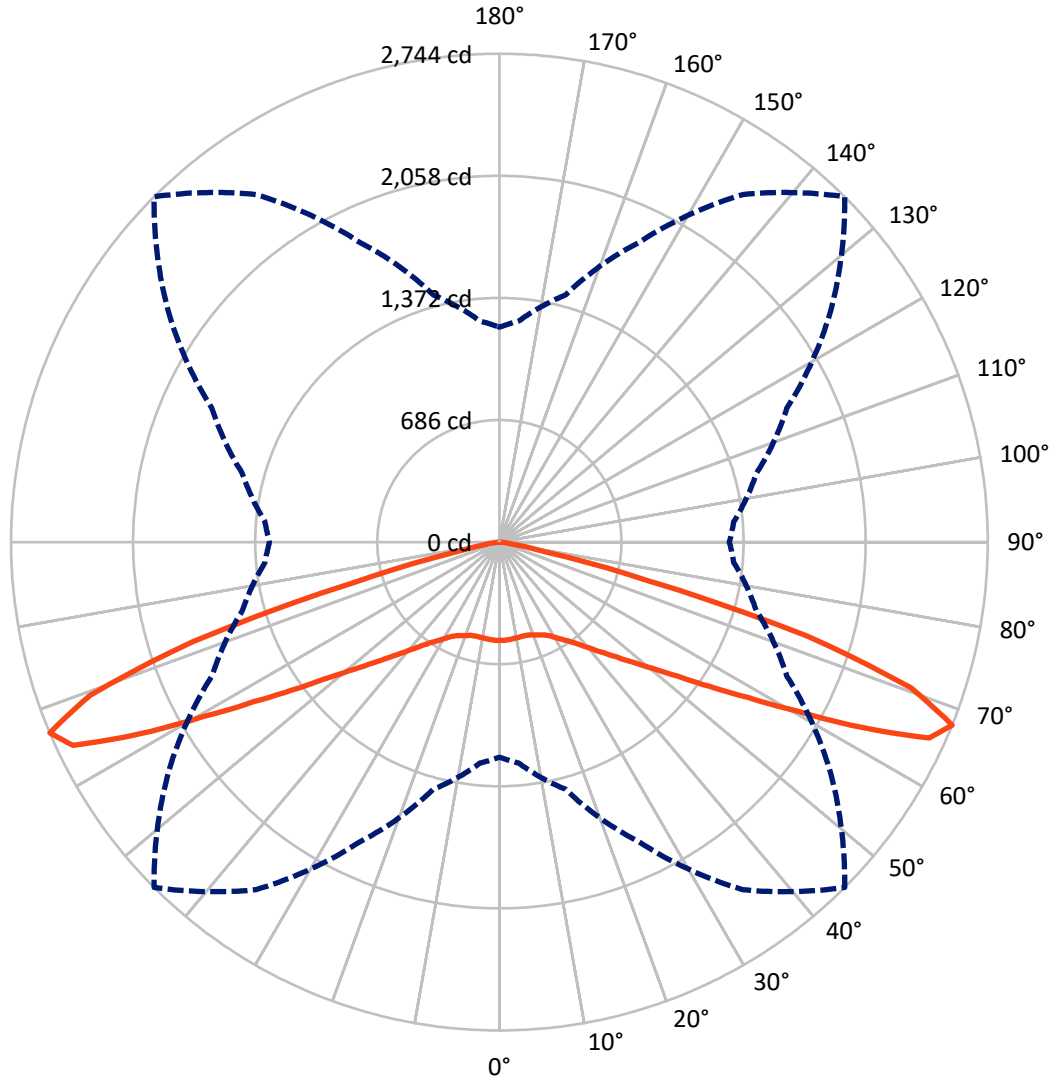
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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	2632.2	0.0	2632.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2632.2	0.0	2632.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5264.3	0.0	5264.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.0
10°-20°	153.3	2.9
20°-30°	264.3	5.0
30°-40°	429.8	8.2
40°-50°	723.7	13.7
50°-60°	1282.3	24.4
60°-70°	1833.0	34.8
70°-80°	503.1	9.6
80°-90°	22.5	0.4
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°	5264.3	100.0
0°-180°	5264.3	100.0

Coefficient of Utilization



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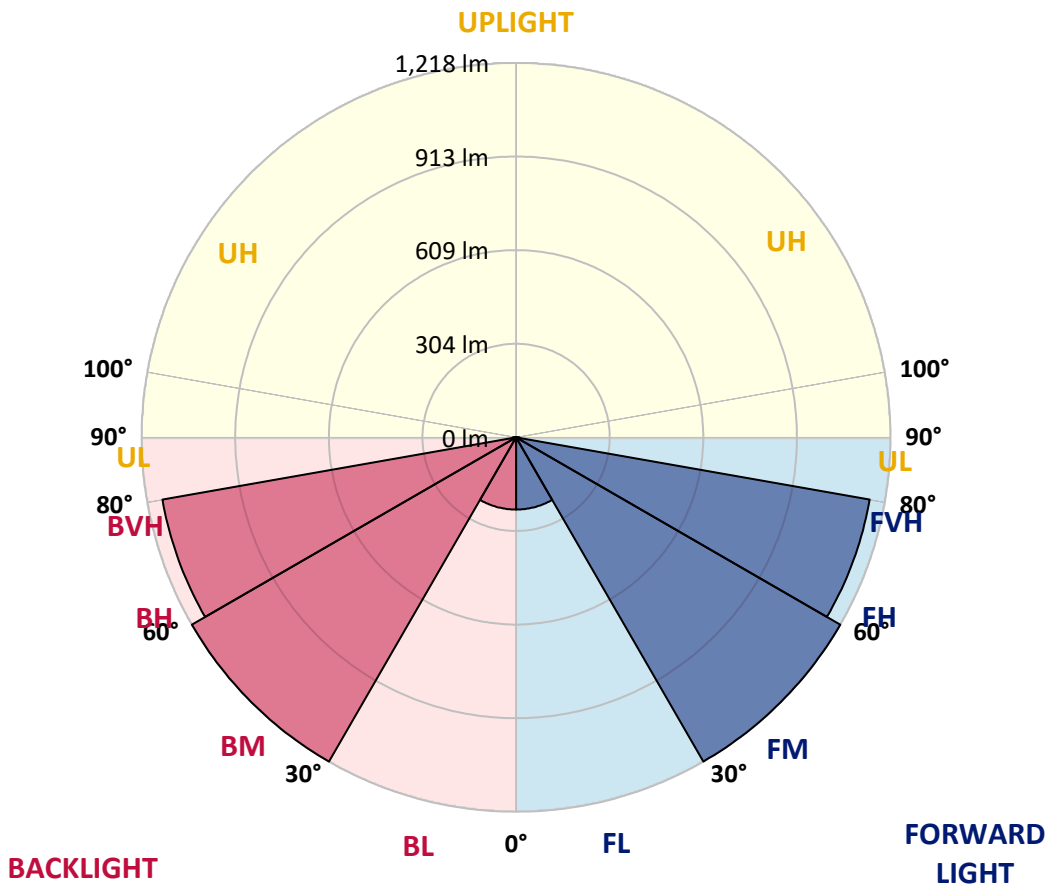
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.9	4.5			
FM (30°-60°)	1217.9	23.1			
FH (60°-80°)	1168.0	22.2			G1/1800
FVH (80°-90°)	11.3	0.2			G1/100
BL (0°-30°)	234.9	4.5	B1/500		
BM (30°-60°)	1217.9	23.1	B2/2500		
BH (60°-80°)	1168.0	22.2	B3/2500		G1/1800
BVH (80°-90°)	11.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3	551.3
2.5°	547.7	547.3	549.2	550.2	549.9	552.4	552.1	551.3	551.3	550.2	553.2
5°	547.7	547.3	548.8	549.2	548.4	550.6	549.9	549.2	549.2	547.7	550.2
7.5°	544.8	545.1	546.2	547.0	546.2	548.1	547.0	545.5	545.1	543.7	546.2
10°	539.3	539.7	540.8	542.6	543.0	546.2	544.4	541.9	540.8	539.3	541.9
12.5°	536.0	536.4	537.5	539.7	540.4	544.8	543.0	539.0	537.1	535.7	538.2
15°	535.3	535.7	537.1	539.3	540.4	544.8	543.0	538.2	535.7	533.9	536.0
17.5°	535.3	536.0	538.2	541.5	543.7	548.1	545.9	540.4	536.8	533.5	535.7
20°	535.7	536.8	540.0	544.8	550.2	556.4	553.5	546.2	541.1	537.1	538.6
22.5°	539.0	540.8	544.8	551.0	559.0	566.3	563.7	553.9	546.6	541.1	542.6
25°	550.2	551.0	556.1	564.1	571.7	577.9	575.4	566.3	557.2	550.6	552.4
27.5°	570.3	572.1	576.5	584.9	591.4	594.7	594.3	588.1	579.0	573.2	574.7
30°	594.3	596.2	602.0	611.5	618.0	621.7	620.6	615.8	607.5	599.4	600.9
32.5°	622.4	623.1	630.1	640.6	647.5	653.0	649.4	644.3	633.7	624.2	625.0
35°	658.1	659.2	666.5	676.3	681.8	686.2	685.4	680.3	669.0	658.8	661.4
37.5°	702.9	703.7	710.2	722.6	727.0	730.3	731.0	728.4	716.8	703.7	706.2
40°	758.7	759.1	766.3	777.3	782.0	784.2	784.6	784.9	772.9	763.1	762.3
42.5°	823.6	825.4	835.6	846.1	848.3	847.2	850.9	854.5	842.9	829.4	830.5
45°	901.2	902.3	916.1	927.8	923.8	920.1	927.0	934.3	923.8	906.3	901.2
47.5°	993.0	995.2	1010.1	1021.8	1015.2	1008.7	1020.0	1027.6	1010.5	991.9	987.2
50°	1096.9	1098.3	1119.4	1134.0	1126.4	1114.3	1128.6	1136.6	1113.6	1090.7	1080.5
52.5°	1219.7	1216.7	1244.8	1270.3	1265.6	1249.9	1261.6	1263.0	1228.8	1196.3	1186.1
55°	1369.4	1366.5	1394.6	1422.6	1434.3	1430.3	1424.8	1416.1	1365.4	1330.8	1321.3
57.5°	1544.0	1534.9	1574.2	1612.1	1637.6	1644.9	1621.6	1601.2	1561.1	1518.5	1507.5
60°	1706.1	1705.8	1768.1	1833.7	1903.6	1932.8	1873.8	1818.4	1728.4	1650.7	1635.1
62.5°	1751.7	1759.3	1861.4	2023.9	2196.6	2299.8	2144.2	1960.9	1787.0	1670.1	1649.3
65°	1639.5	1658.4	1803.4	2060.0	2401.1	2653.2	2301.9	1964.1	1721.8	1576.0	1554.2
67.5°	1208.4	1246.3	1438.3	1858.8	2383.6	2744.0	2273.9	1782.3	1495.5	1322.1	1291.8
70°	596.2	632.2	784.6	1222.9	1961.2	2452.8	1967.4	1343.2	1010.1	843.2	815.5
72.5°	219.4	233.9	293.7	523.3	1082.3	1811.8	1345.4	750.3	489.4	389.5	371.0
75°	107.5	110.0	119.2	175.6	399.4	852.7	632.2	287.9	180.0	156.7	151.6
77.5°	68.5	69.6	74.0	83.8	128.3	268.6	191.7	113.7	88.2	84.5	84.5
80°	38.3	39.4	45.2	52.1	60.1	92.2	68.9	68.1	57.9	50.7	49.6
82.5°	18.2	20.0	28.8	28.4	31.7	46.3	40.4	36.8	37.2	28.1	26.6
85°	8.4	8.4	11.3	13.5	14.2	15.7	18.6	21.1	20.8	14.2	15.3
87.5°	4.0	4.0	4.0	3.6	3.3	2.9	4.0	6.6	9.5	6.6	6.2
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)