

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: P629385

Luminaire Tested: GWS-SA1B-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629385
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-SA1B-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3831.9 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

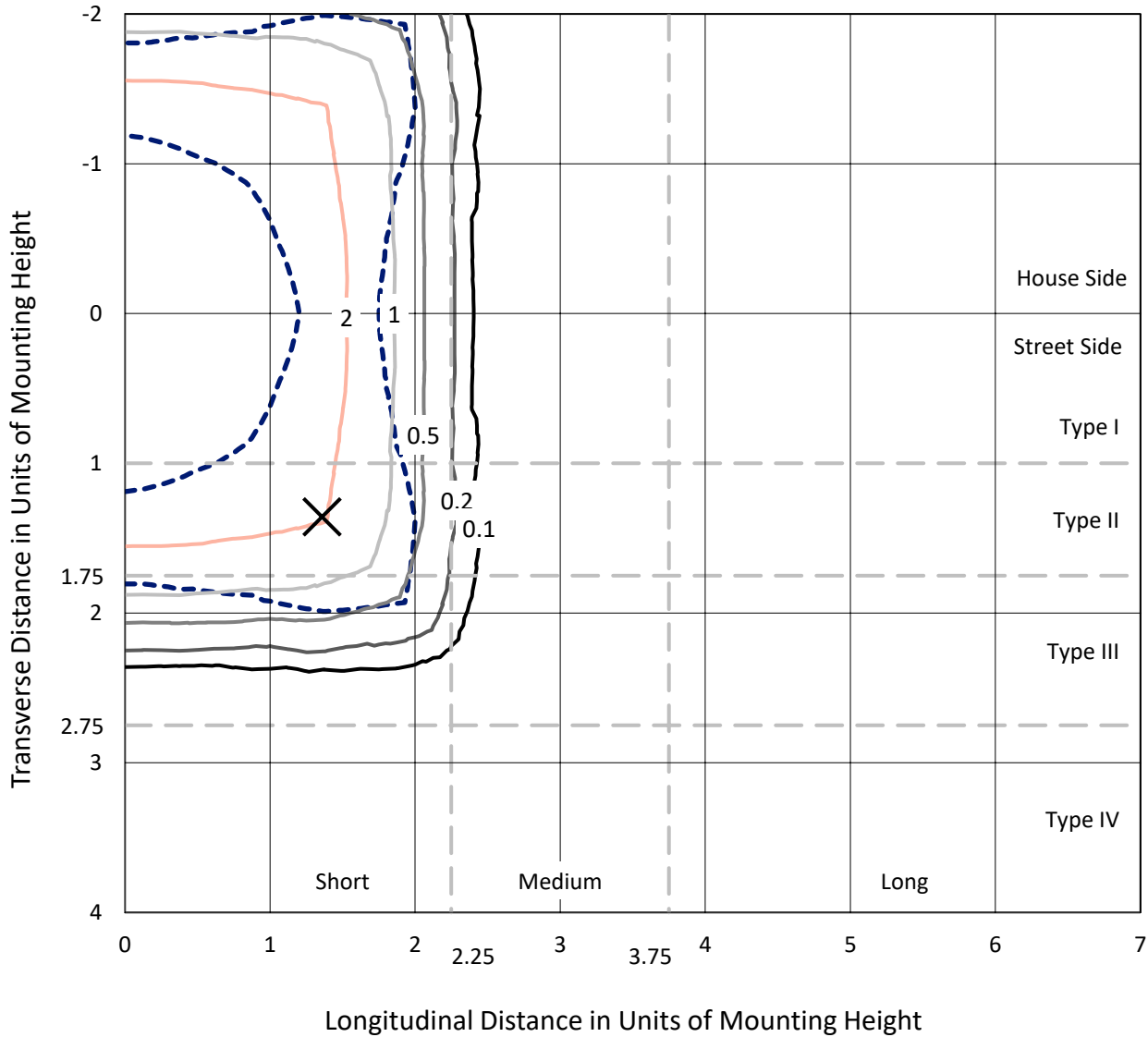
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

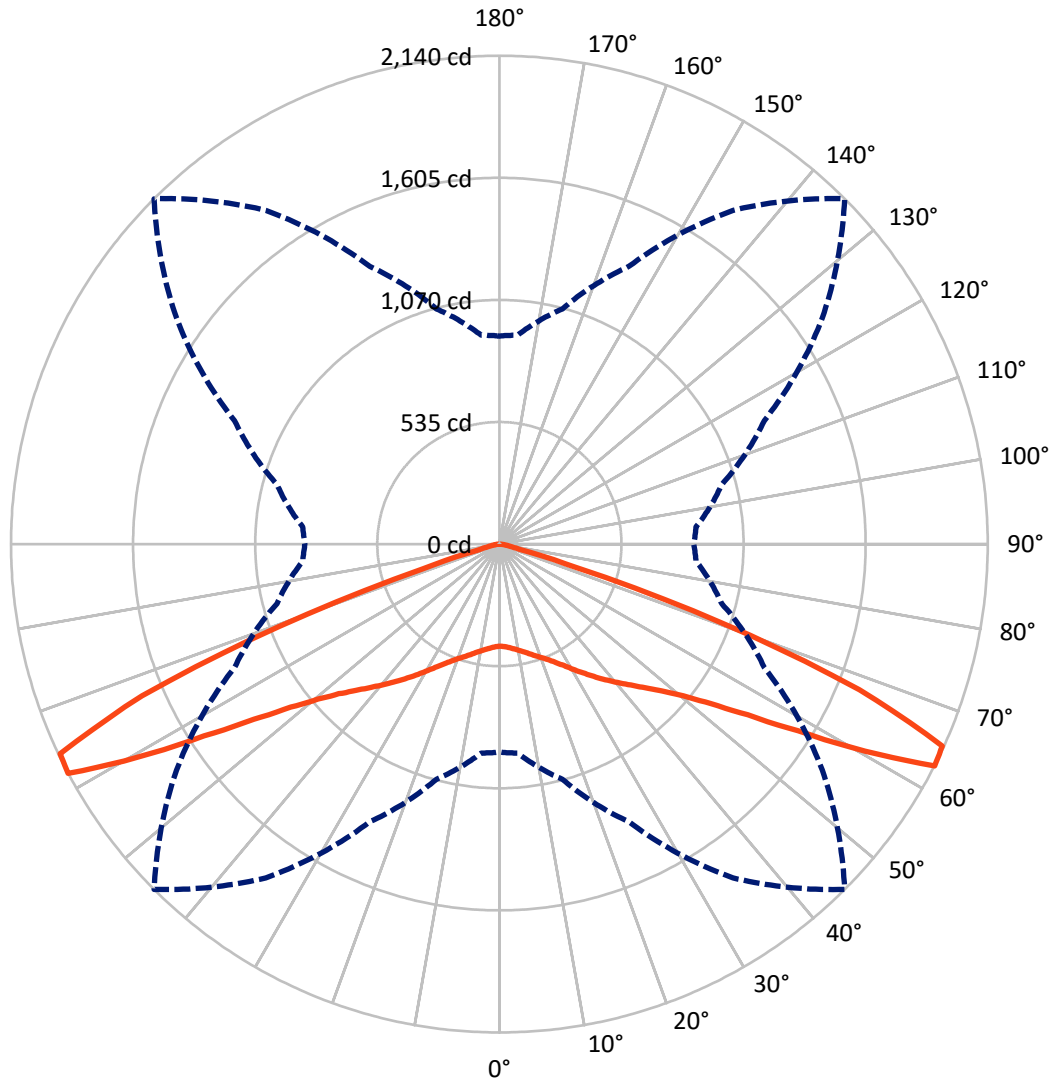
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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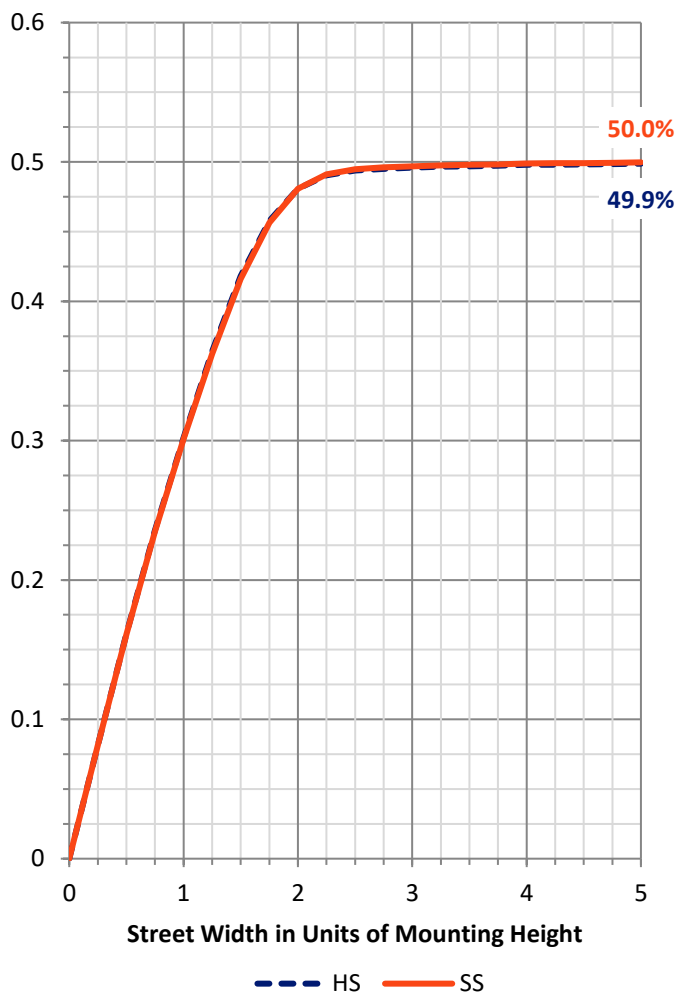
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.0	0.0	1916.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1916.0	0.0	1916.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3831.9	0.0	3831.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	1.1
10°-20°	141.4	3.7
20°-30°	267.6	7.0
30°-40°	450.4	11.8
40°-50°	719.6	18.8
50°-60°	1160.0	30.3
60°-70°	946.4	24.7
70°-80°	91.9	2.4
80°-90°	10.7	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°	3831.9	100.0
0°-180°	3831.9	100.0

Coefficient of Utilization



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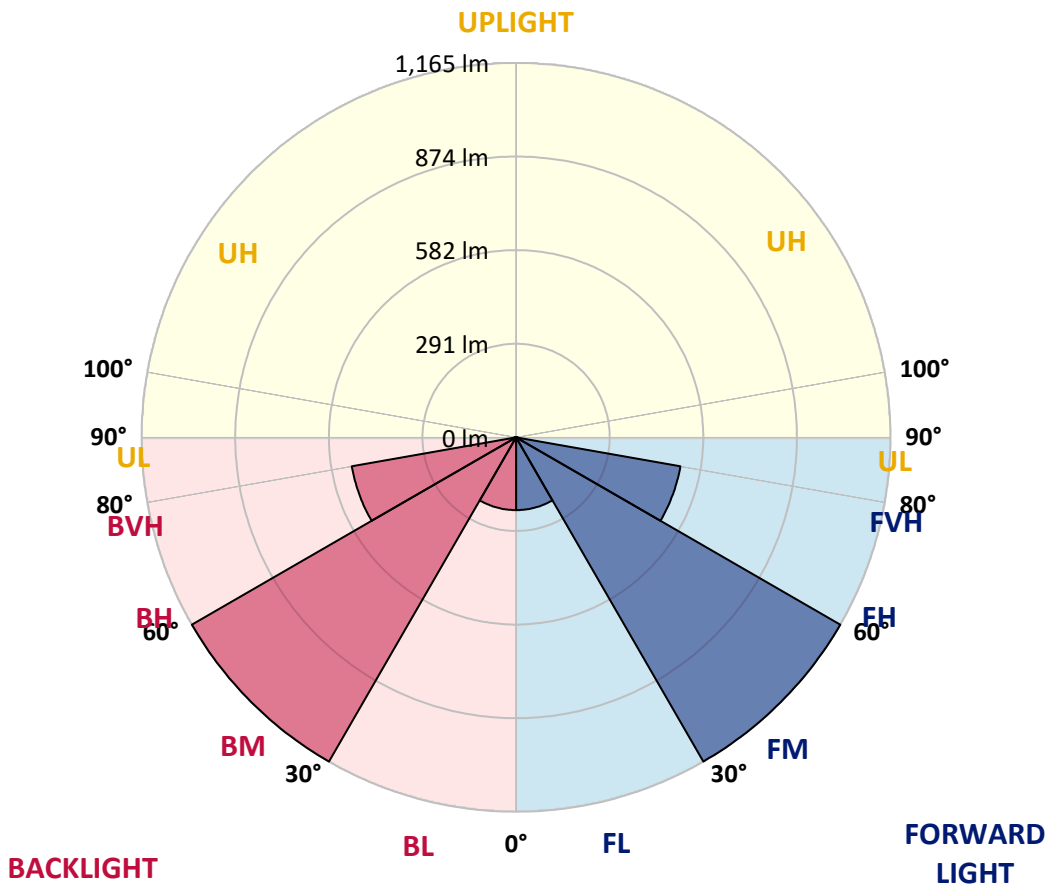
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.5	5.9			
FM (30°-60°)	1165.0	30.4			
FH (60°-80°)	519.2	13.5			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	226.5	5.9	B1/500		
BM (30°-60°)	1165.0	30.4	B2/2500		
BH (60°-80°)	519.2	13.5	B2/1000		G0/660
BVH (80°-90°)	5.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0	447.0
2.5°	446.5	446.5	447.6	448.4	447.8	449.9	449.7	449.1	448.9	448.1	450.5
5°	452.6	452.6	453.4	454.1	452.8	455.5	454.4	453.9	453.6	452.6	454.7
7.5°	459.4	460.2	460.4	461.8	461.0	463.9	463.1	462.0	461.5	460.2	462.0
10°	467.0	467.5	467.8	470.2	470.4	473.8	473.1	471.7	470.7	469.4	472.0
12.5°	477.3	477.5	478.3	481.2	482.0	484.6	484.4	482.5	481.2	479.4	482.3
15°	490.4	490.7	492.0	494.9	496.2	499.3	498.3	495.4	493.6	491.5	493.8
17.5°	504.1	505.1	506.4	509.3	511.2	514.8	513.5	510.4	508.8	506.7	508.3
20°	521.7	521.9	522.7	525.9	527.2	531.4	531.7	528.5	527.7	525.6	528.0
22.5°	541.1	541.4	542.2	545.6	548.0	550.6	552.2	550.3	549.0	546.4	549.3
25°	562.7	565.3	566.1	570.3	572.9	574.5	576.3	575.6	573.7	570.6	571.9
27.5°	592.9	593.4	594.7	599.5	601.1	602.6	604.5	604.7	602.1	598.4	600.3
30°	627.3	627.1	630.0	633.6	635.0	636.3	638.9	640.5	637.1	633.1	635.0
32.5°	662.5	665.7	669.4	672.8	672.0	672.5	676.7	679.6	674.9	667.8	669.4
35°	702.2	704.3	709.1	714.1	713.0	712.2	714.8	717.7	711.2	702.0	704.3
37.5°	743.0	746.1	753.2	759.3	757.7	754.0	756.9	760.1	753.7	743.2	742.2
40°	788.4	793.4	803.7	808.7	804.5	797.4	802.4	810.0	803.7	791.6	788.7
42.5°	841.8	847.8	858.1	865.7	856.5	844.9	853.3	864.4	862.8	846.8	841.8
45°	907.8	911.7	924.3	928.0	914.3	898.3	913.5	930.4	926.4	909.1	902.5
47.5°	979.5	985.5	996.6	1003.4	981.3	961.4	982.7	1005.3	1001.1	984.8	977.1
50°	1071.0	1078.8	1093.3	1099.1	1068.6	1045.7	1073.1	1101.7	1093.6	1071.7	1061.8
52.5°	1170.6	1176.9	1201.6	1213.1	1184.5	1159.8	1183.7	1211.8	1194.5	1165.6	1152.2
55°	1258.3	1264.7	1300.9	1339.3	1338.0	1320.9	1333.0	1333.5	1286.5	1238.6	1224.4
57.5°	1277.3	1283.6	1352.7	1453.1	1524.0	1543.8	1508.3	1433.6	1315.1	1231.3	1215.2
60°	1176.3	1183.4	1293.3	1476.7	1710.1	1841.8	1678.3	1431.5	1226.5	1113.0	1097.8
62.5°	911.4	919.1	1066.8	1342.2	1785.3	2140.1	1727.7	1280.9	1008.9	865.2	851.8
65°	435.2	435.2	622.9	962.7	1635.5	2133.0	1584.8	947.7	607.4	466.5	454.9
67.5°	107.8	108.3	160.3	374.8	1112.5	1702.2	1130.6	454.9	213.9	151.4	147.4
70°	67.3	67.0	74.4	101.4	389.2	1033.1	462.3	137.2	87.0	76.7	76.2
72.5°	52.3	52.3	56.0	64.9	102.0	351.9	134.8	76.2	63.1	56.8	56.8
75°	41.3	41.3	43.9	48.6	60.2	90.7	71.7	56.5	48.9	44.7	44.2
77.5°	30.7	31.3	33.4	36.5	41.0	51.0	45.5	42.6	38.1	35.0	33.9
80°	20.0	20.8	23.4	25.2	26.8	33.6	29.7	31.0	28.9	25.2	24.7
82.5°	10.8	11.0	14.2	14.7	15.2	18.4	18.9	19.7	20.5	16.0	15.0
85°	3.9	3.9	4.7	5.5	6.0	6.6	8.9	11.0	11.6	9.2	8.9
87.5°	0.8	0.8	0.8	0.5	0.5	0.5	1.6	2.9	4.7	3.7	3.7
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)