

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: P629437

Luminaire Tested: GWS-SA1B-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629437
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-SA1B-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3744.6 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

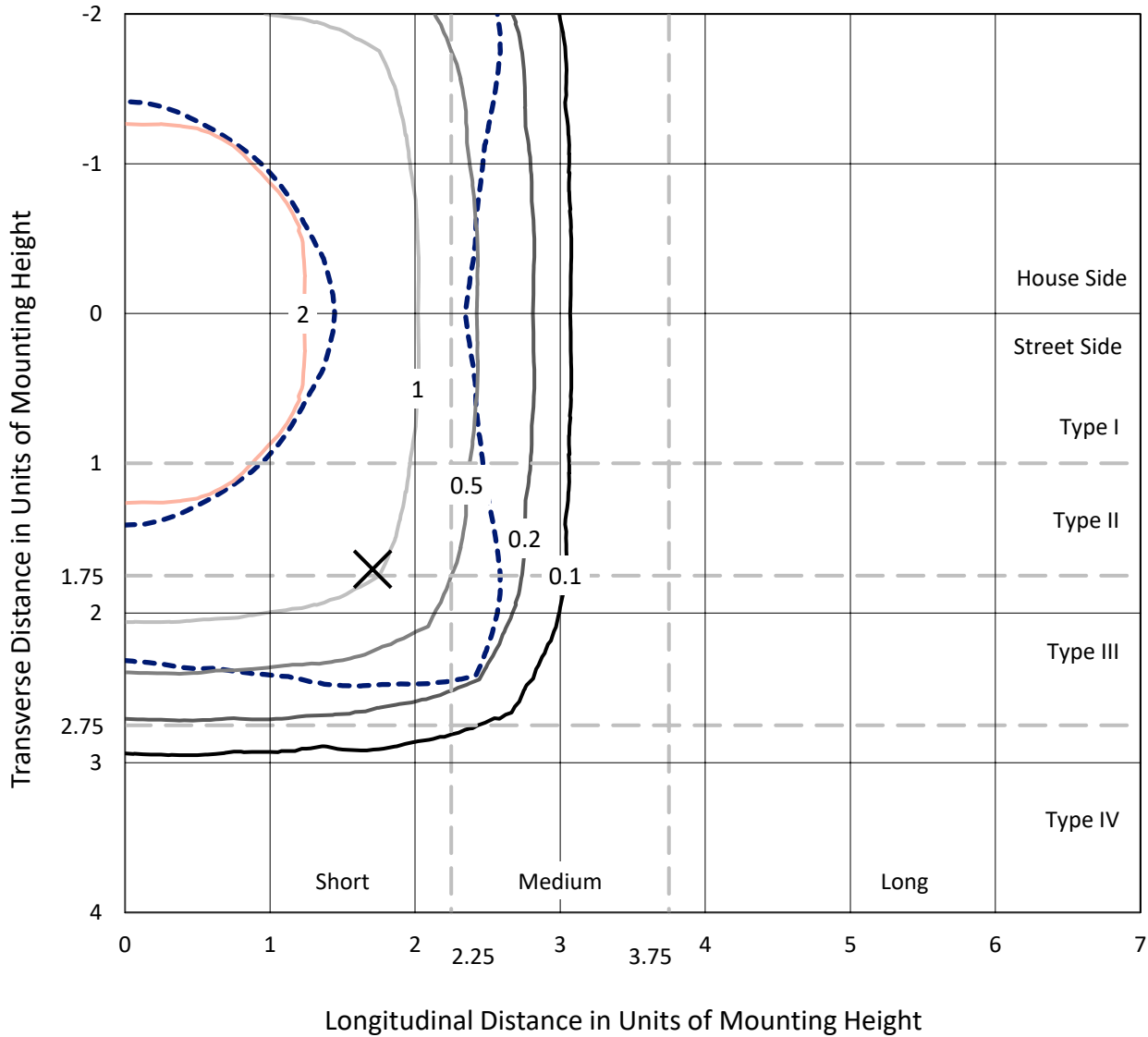
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

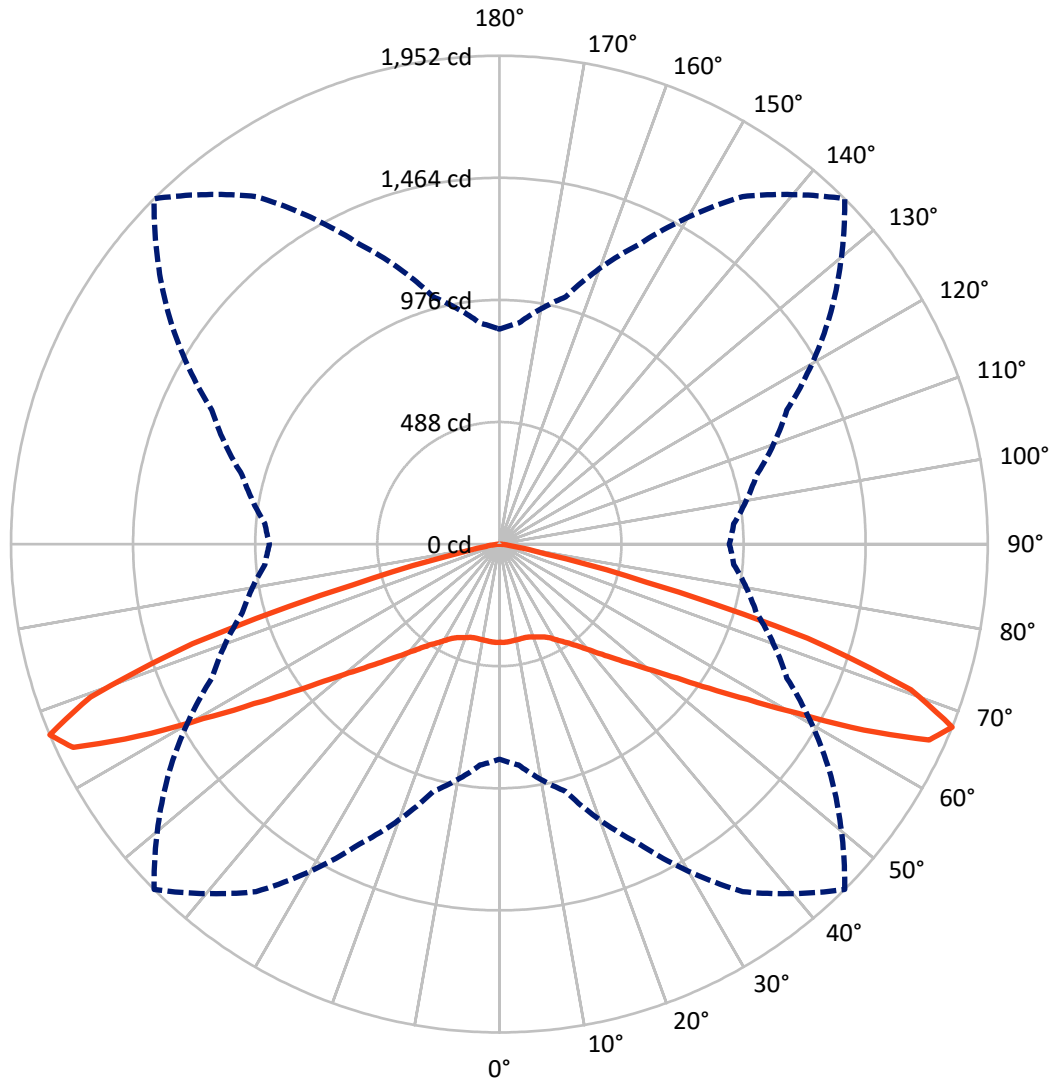
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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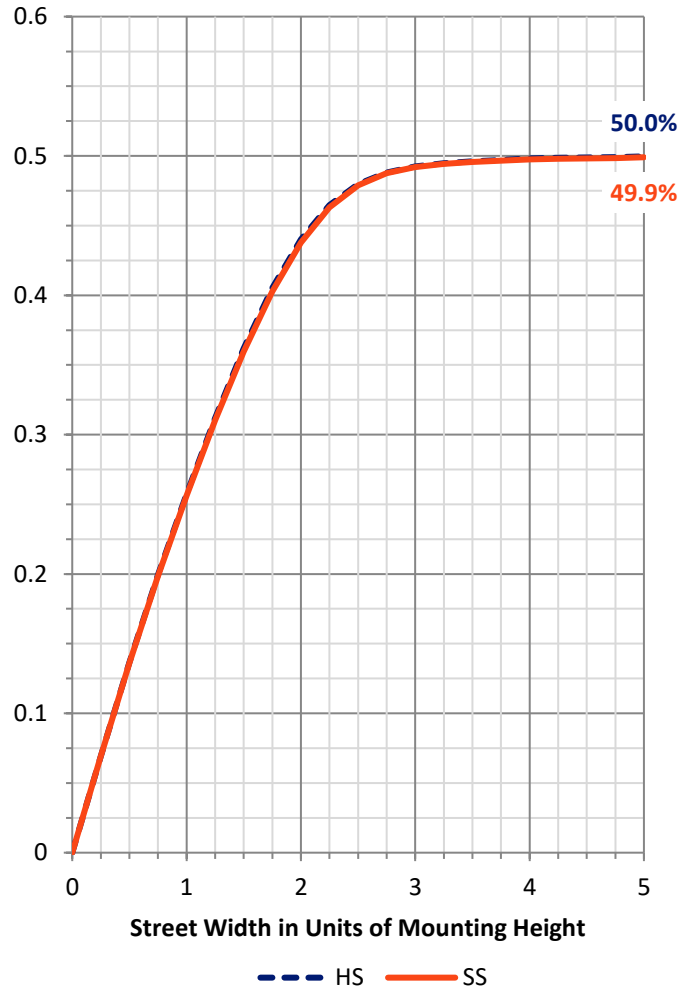
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1872.3	0.0	1872.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1872.3	0.0	1872.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3744.6	0.0	3744.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.0
10°-20°	109.0	2.9
20°-30°	188.0	5.0
30°-40°	305.7	8.2
40°-50°	514.8	13.7
50°-60°	912.1	24.4
60°-70°	1303.8	34.8
70°-80°	357.8	9.6
80°-90°	16.0	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°	3744.6	100.0
0°-180°	3744.6	100.0

Coefficient of Utilization



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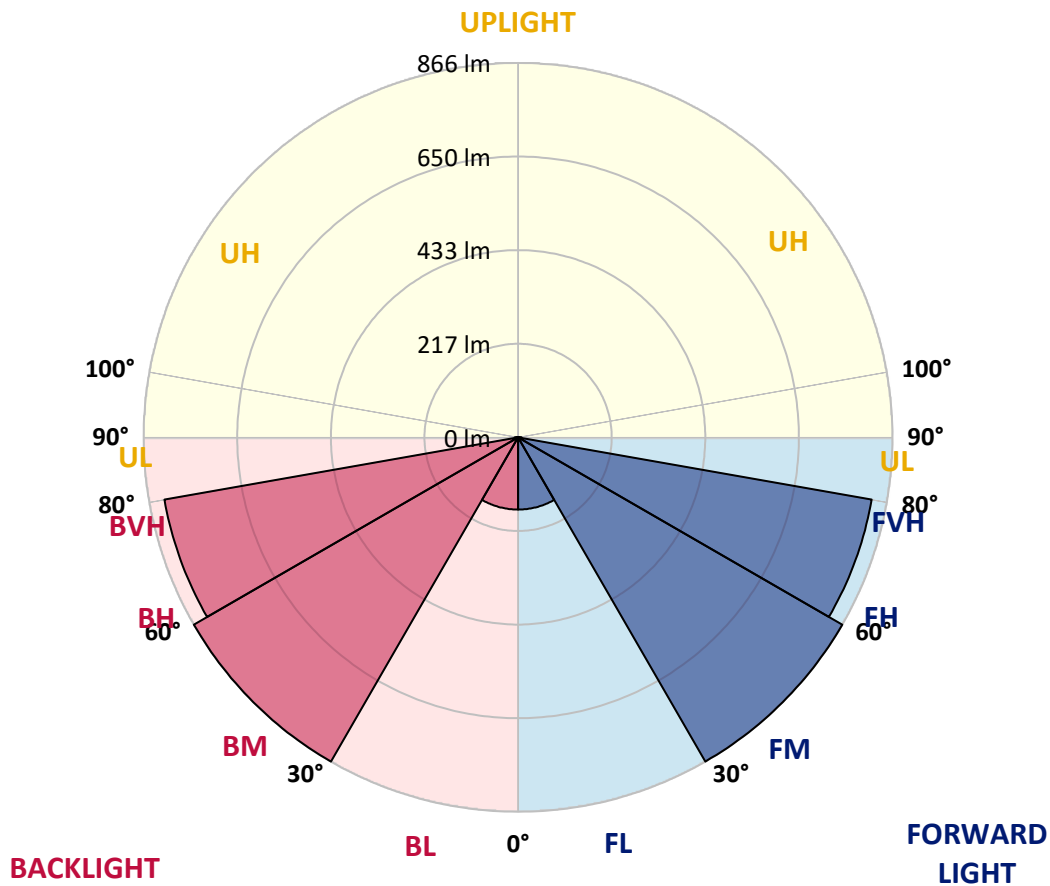
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.1	4.5			
FM (30°-60°)	866.4	23.1			
FH (60°-80°)	830.8	22.2			G1/1800
FVH (80°-90°)	8.0	0.2			G0/10
BL (0°-30°)	167.1	4.5	B1/500		
BM (30°-60°)	866.4	23.1	B1/1000		
BH (60°-80°)	830.8	22.2	B2/1000		G1/1800
BVH (80°-90°)	8.0	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2
2.5°	389.6	389.3	390.6	391.4	391.1	393.0	392.7	392.2	392.2	391.4	393.5
5°	389.6	389.3	390.4	390.6	390.1	391.7	391.1	390.6	390.6	389.6	391.4
7.5°	387.5	387.8	388.6	389.1	388.6	389.8	389.1	388.0	387.8	386.7	388.6
10°	383.6	383.9	384.7	386.0	386.2	388.6	387.3	385.4	384.7	383.6	385.4
12.5°	381.3	381.6	382.3	383.9	384.4	387.5	386.2	383.4	382.1	381.0	382.8
15°	380.8	381.0	382.1	383.6	384.4	387.5	386.2	382.8	381.0	379.7	381.3
17.5°	380.8	381.3	382.8	385.2	386.7	389.8	388.3	384.4	381.8	379.5	381.0
20°	381.0	381.8	384.1	387.5	391.4	395.8	393.7	388.6	384.9	382.1	383.1
22.5°	383.4	384.7	387.5	391.9	397.6	402.8	401.0	394.0	388.8	384.9	386.0
25°	391.4	391.9	395.6	401.3	406.7	411.1	409.3	402.8	396.3	391.7	393.0
27.5°	405.7	407.0	410.1	416.0	420.7	423.0	422.8	418.4	411.9	407.7	408.8
30°	422.8	424.1	428.2	435.0	439.6	442.2	441.4	438.1	432.1	426.4	427.4
32.5°	442.7	443.2	448.2	455.7	460.6	464.5	461.9	458.3	450.8	444.0	444.5
35°	468.1	468.9	474.1	481.1	485.0	488.1	487.6	483.9	475.9	468.6	470.5
37.5°	500.0	500.5	505.2	514.0	517.1	519.5	520.0	518.2	509.9	500.5	502.3
40°	539.7	539.9	545.1	552.9	556.3	557.8	558.1	558.3	549.8	542.8	542.3
42.5°	585.8	587.1	594.4	601.9	603.4	602.7	605.2	607.8	599.5	590.0	590.7
45°	641.0	641.8	651.6	659.9	657.1	654.5	659.4	664.6	657.1	644.6	641.0
47.5°	706.3	707.9	718.5	726.8	722.2	717.5	725.5	731.0	718.8	705.6	702.2
50°	780.2	781.3	796.3	806.7	801.2	792.7	802.8	808.5	792.1	775.8	768.6
52.5°	867.6	865.5	885.5	903.6	900.2	889.1	897.4	898.4	874.0	851.0	843.7
55°	974.1	972.0	992.0	1011.9	1020.2	1017.4	1013.5	1007.3	971.3	946.6	939.9
57.5°	1098.3	1091.8	1119.8	1146.7	1164.9	1170.1	1153.5	1139.0	1110.4	1080.1	1072.3
60°	1213.6	1213.4	1257.7	1304.3	1354.1	1374.8	1332.8	1293.4	1229.4	1174.2	1163.1
62.5°	1246.0	1251.5	1324.0	1439.6	1562.5	1635.9	1525.2	1394.8	1271.2	1187.9	1173.2
65°	1166.2	1179.7	1282.8	1465.3	1707.9	1887.3	1637.4	1397.1	1224.8	1121.1	1105.5
67.5°	859.5	886.5	1023.1	1322.2	1695.5	1951.8	1617.5	1267.8	1063.8	940.4	918.9
70°	424.1	449.7	558.1	869.9	1395.1	1744.7	1399.5	955.4	718.5	599.8	580.1
72.5°	156.0	166.4	208.9	372.2	769.8	1288.8	957.0	533.7	348.1	277.1	263.9
75°	76.5	78.3	84.8	124.9	284.1	606.5	449.7	204.8	128.0	111.5	107.8
77.5°	48.7	49.5	52.6	59.6	91.2	191.0	136.3	80.9	62.7	60.1	60.1
80°	27.2	28.0	32.1	37.1	42.8	65.6	49.0	48.5	41.2	36.0	35.3
82.5°	13.0	14.3	20.5	20.2	22.6	32.9	28.8	26.2	26.4	20.0	18.9
85°	6.0	6.0	8.0	9.6	10.1	11.1	13.2	15.0	14.8	10.1	10.9
87.5°	2.9	2.9	2.9	2.6	2.3	2.1	2.9	4.7	6.7	4.7	4.4
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)