

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: P631853

Luminaire Tested: GWS-SA2B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4313.2 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

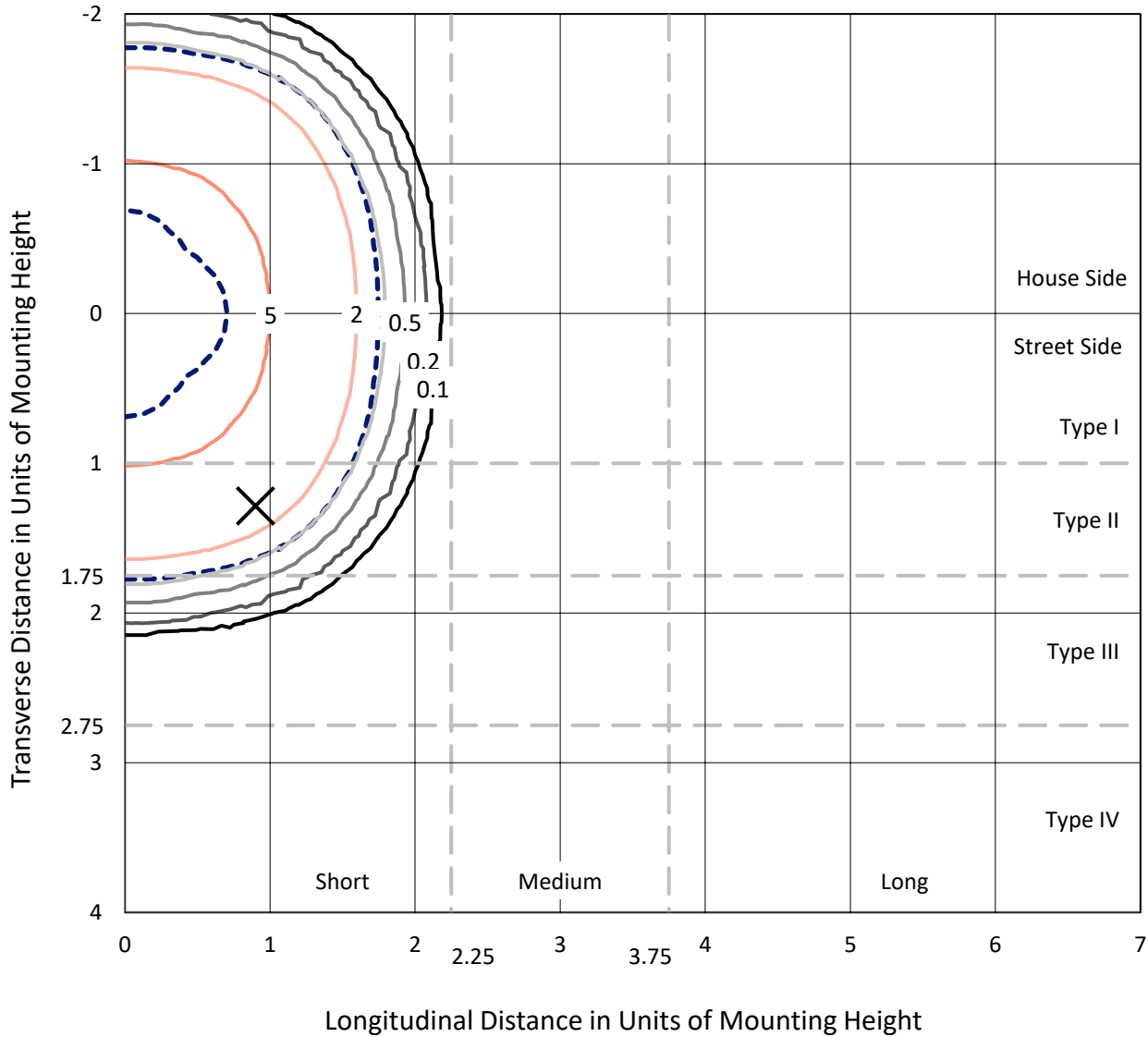
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

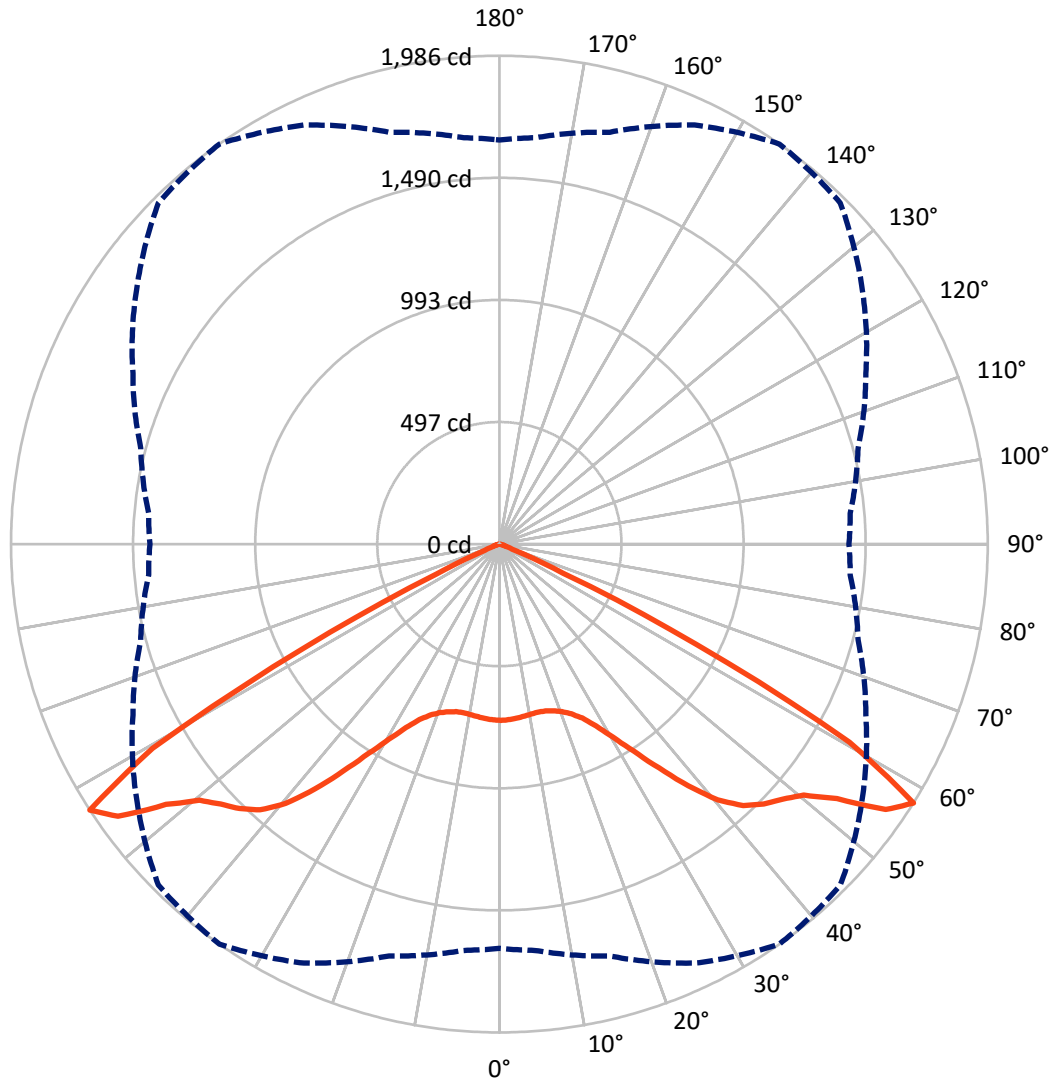
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2156.6	0.0	2156.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2156.6	0.0	2156.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4313.2	0.0	4313.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.6
10°-20°	198.7	4.6
20°-30°	359.2	8.3
30°-40°	670.2	15.5
40°-50°	1124.2	26.1
50°-60°	1484.7	34.4
60°-70°	394.3	9.1
70°-80°	14.0	0.3
80°-90°	0.2	0.0
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°	4313.2	100.0
0°-180°	4313.2	100.0

Coefficient of Utilization



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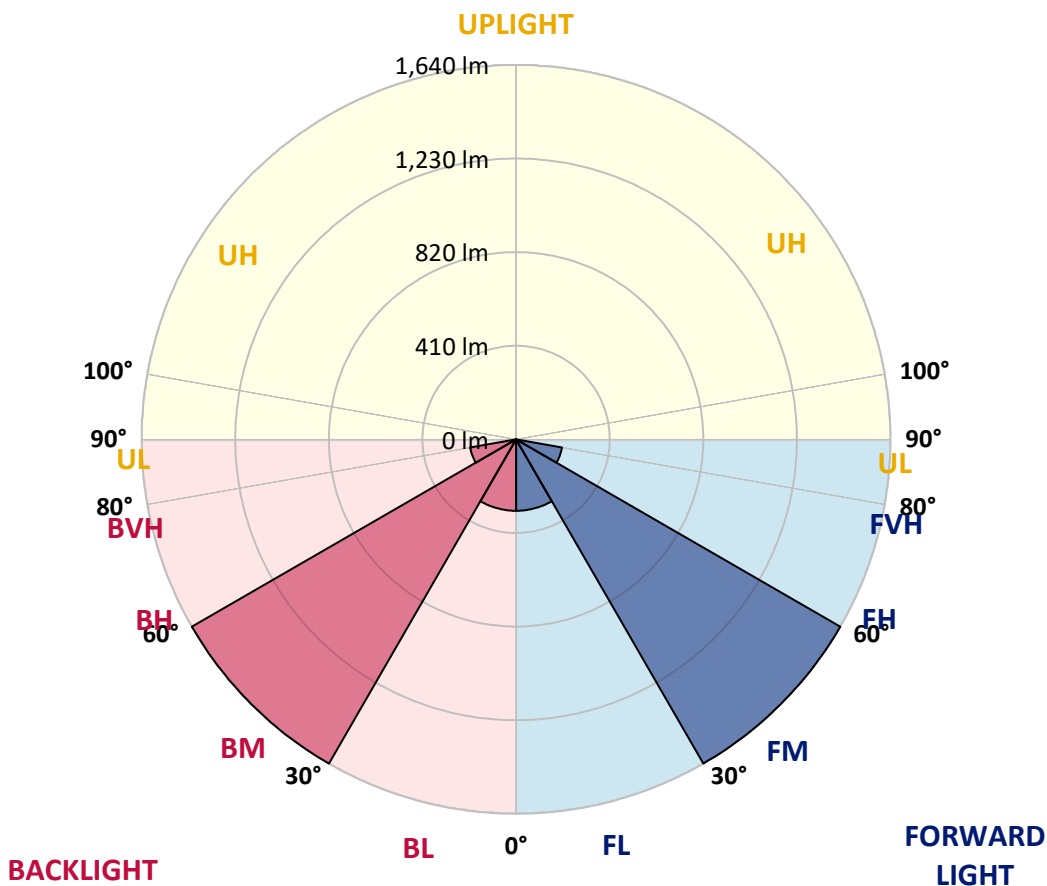
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.8	7.3			
FM (30°-60°)	1639.6	38.0			
FH (60°-80°)	204.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	312.8	7.3	B1/500		
BM (30°-60°)	1639.6	38.0	B2/2500		
BH (60°-80°)	204.1	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1	717.1
2.5°	712.0	711.5	713.6	715.1	715.1	718.6	717.6	716.6	715.6	714.1	717.6
5°	711.0	710.5	712.0	713.1	712.0	715.1	713.1	711.0	710.0	708.0	712.0
7.5°	706.5	707.0	708.0	709.0	707.5	710.0	707.5	704.5	701.9	699.9	703.4
10°	699.4	699.9	700.9	702.9	703.4	707.0	703.4	697.9	694.3	691.3	694.8
12.5°	695.9	696.4	697.9	700.4	700.9	705.5	700.9	692.8	687.8	684.2	687.8
15°	696.9	697.9	699.9	702.9	704.0	708.5	702.4	691.8	684.7	680.2	683.2
17.5°	700.4	701.4	704.5	709.5	713.1	717.6	710.0	696.4	686.7	680.2	683.2
20°	705.0	706.5	711.5	719.6	727.2	735.3	725.7	707.0	694.3	686.2	688.8
22.5°	717.6	719.1	726.2	736.8	749.5	759.6	748.0	724.2	707.0	696.4	698.9
25°	743.4	744.9	754.1	767.7	783.9	797.1	782.4	752.5	730.3	718.1	719.1
27.5°	783.9	785.4	796.1	815.3	837.0	855.8	834.5	799.6	774.3	760.1	760.1
30°	835.0	837.0	851.2	877.0	910.9	935.7	906.9	864.4	832.0	812.8	813.3
32.5°	900.8	898.8	919.0	954.5	1002.5	1035.4	992.9	941.3	901.3	874.5	877.0
35°	985.3	984.8	1007.6	1055.7	1118.4	1157.9	1107.3	1040.5	992.4	965.1	965.6
37.5°	1094.1	1093.6	1119.9	1172.1	1247.5	1280.4	1223.7	1155.9	1104.3	1077.9	1081.0
40°	1221.7	1218.6	1241.9	1292.0	1367.4	1388.7	1326.9	1272.3	1222.7	1206.0	1214.1
42.5°	1343.1	1336.5	1350.2	1395.8	1454.0	1457.0	1410.4	1373.0	1339.1	1325.9	1331.0
45°	1440.8	1435.7	1448.4	1474.7	1508.1	1492.9	1470.7	1459.0	1431.7	1417.5	1422.1
47.5°	1513.7	1513.7	1528.9	1545.0	1550.1	1522.3	1525.8	1525.8	1498.5	1476.2	1470.7
50°	1576.4	1581.0	1603.8	1620.5	1603.8	1568.3	1588.6	1584.5	1528.9	1484.3	1472.7
52.5°	1676.6	1681.2	1716.1	1738.9	1720.1	1685.2	1687.8	1637.2	1555.2	1502.5	1484.3
55°	1782.9	1794.0	1844.6	1905.4	1905.9	1869.9	1803.1	1713.6	1613.9	1556.7	1538.0
57.5°	1643.7	1658.9	1734.3	1880.6	1986.3	1961.5	1802.1	1644.7	1510.1	1432.2	1421.6
60°	1131.1	1157.4	1232.8	1432.7	1636.6	1646.3	1458.0	1281.4	1127.0	1030.9	1032.9
62.5°	477.7	504.6	547.1	711.5	898.8	910.4	819.3	692.8	566.8	497.5	508.1
65°	112.3	119.9	132.6	196.9	285.4	298.6	275.3	214.6	158.4	134.1	136.6
67.5°	49.1	50.1	47.6	50.6	62.8	64.3	62.2	54.7	51.6	52.6	52.6
70°	34.4	34.9	32.9	31.4	29.9	27.8	28.8	31.9	34.4	36.4	35.9
72.5°	21.3	21.8	22.3	22.3	20.7	18.7	19.7	21.8	22.3	22.8	22.3
75°	10.6	11.1	12.1	12.7	12.1	11.6	11.6	12.1	12.1	11.6	11.6
77.5°	2.0	2.5	3.5	4.0	4.0	4.0	4.0	4.0	4.6	4.0	4.0
80°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)