

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: P632022

Luminaire Tested: GWS-SA2B-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4970 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

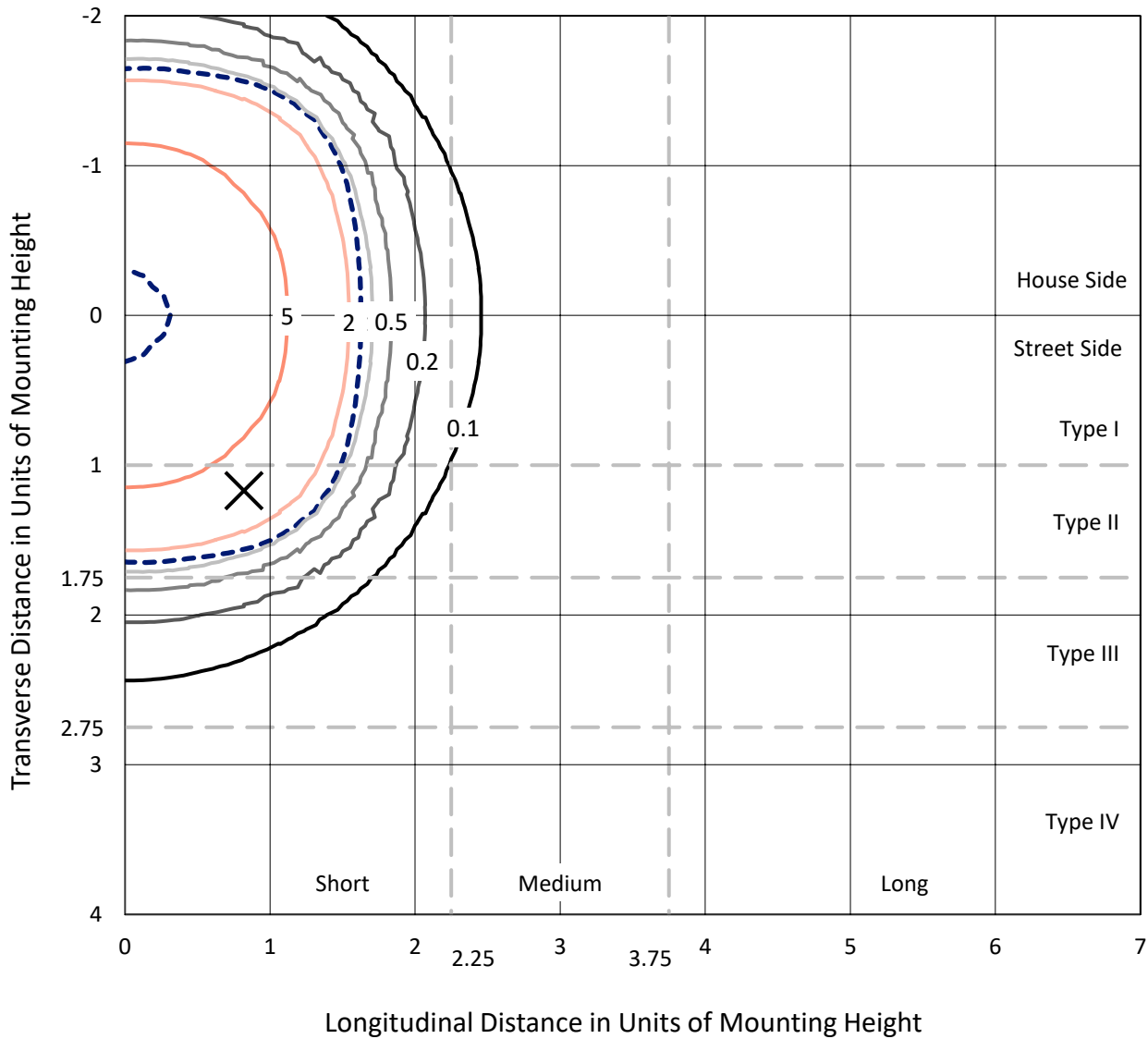
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

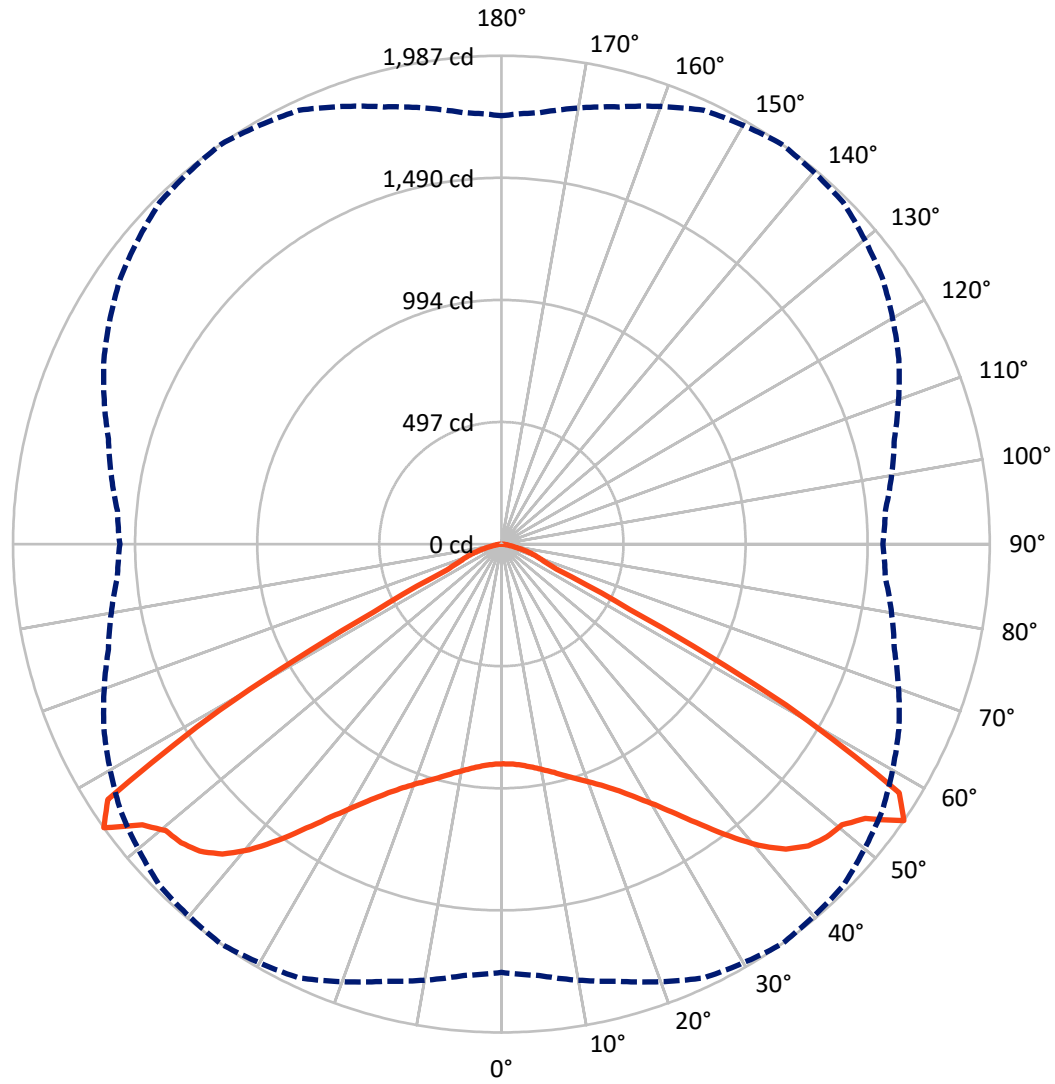
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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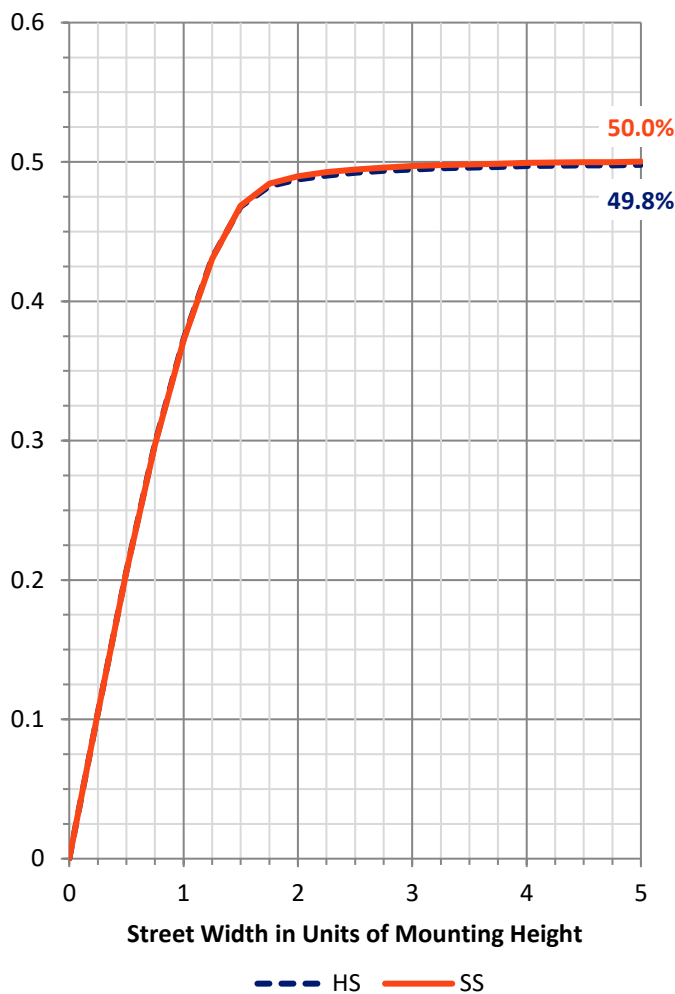
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.0	0.0	2485.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2485.0	0.0	2485.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4970.0	0.0	4970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.8
10°-20°	277.7	5.6
20°-30°	513.9	10.3
30°-40°	859.6	17.3
40°-50°	1309.9	26.4
50°-60°	1467.4	29.5
60°-70°	347.2	7.0
70°-80°	93.6	1.9
80°-90°	13.5	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°	4970.0	100.0
0°-180°	4970.0	100.0

Coefficient of Utilization



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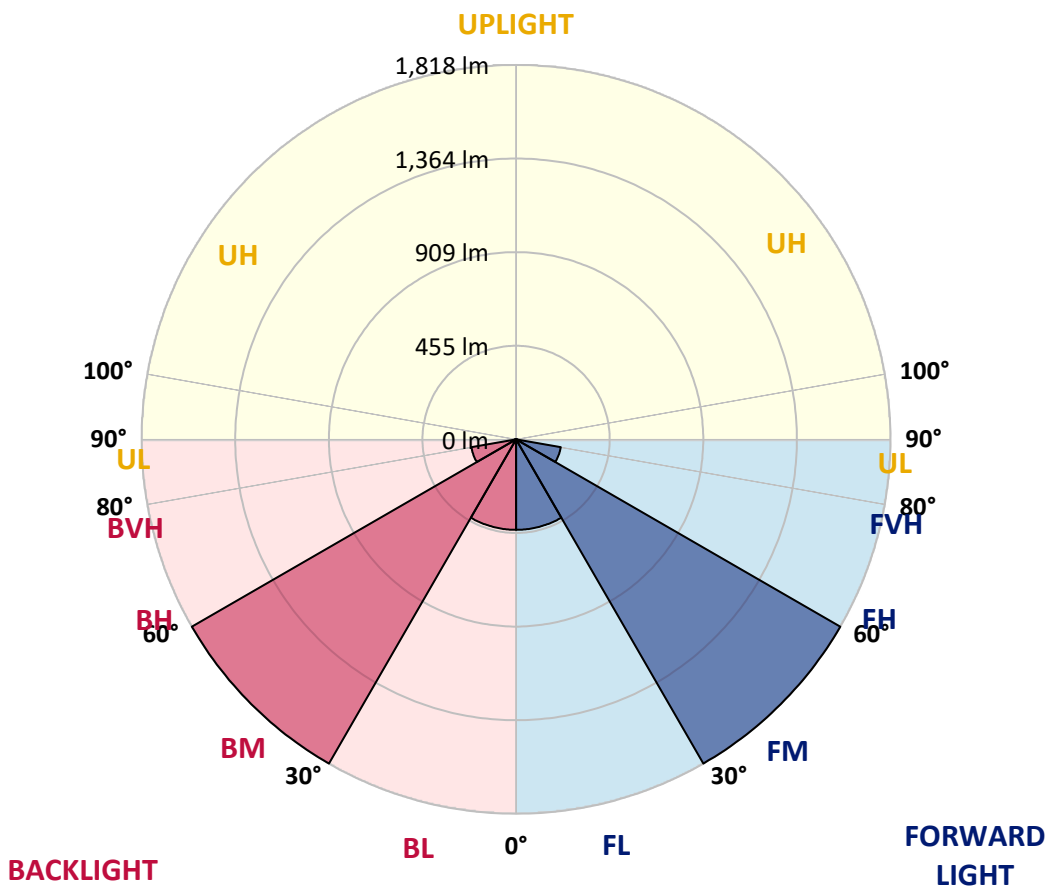
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.4	8.8			
FM (30°-60°)	1818.5	36.6			
FH (60°-80°)	220.4	4.4			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	439.4	8.8	B1/500		
BM (30°-60°)	1818.5	36.6	B2/2500		
BH (60°-80°)	220.4	4.4	B1/500		G0/660
BVH (80°-90°)	6.7	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°	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1
2.5°	892.2	892.2	893.7	895.7	896.1	900.0	899.2	897.7	896.9	895.3	898.8
5°	902.0	902.4	903.5	904.7	903.9	907.1	905.9	903.9	902.8	900.8	904.3
7.5°	914.9	914.9	916.1	917.7	916.9	921.6	919.3	916.5	914.6	912.2	915.3
10°	926.7	927.5	928.7	931.8	933.4	938.5	937.0	933.0	929.9	927.1	930.7
12.5°	944.4	945.2	946.4	950.7	953.5	958.6	956.2	950.7	946.0	942.1	946.0
15°	967.2	966.4	969.6	975.1	978.6	983.3	980.6	971.1	964.9	959.8	963.7
17.5°	990.4	990.0	993.2	1000.2	1005.3	1011.6	1006.9	995.9	989.2	982.9	986.9
20°	1015.6	1016.7	1019.9	1026.6	1034.0	1042.3	1038.4	1026.6	1019.1	1012.0	1015.2
22.5°	1046.6	1047.0	1050.5	1059.2	1069.0	1076.9	1074.5	1060.0	1050.5	1043.1	1047.0
25°	1083.9	1083.6	1088.3	1098.5	1112.2	1120.1	1115.0	1098.9	1088.7	1080.0	1083.2
27.5°	1126.8	1126.4	1133.5	1146.8	1166.5	1177.5	1166.9	1146.8	1132.7	1120.5	1123.2
30°	1180.6	1179.4	1187.3	1205.4	1230.9	1249.4	1233.7	1205.8	1187.3	1174.3	1177.1
32.5°	1240.4	1241.9	1251.8	1276.1	1308.4	1332.3	1308.8	1277.7	1252.9	1234.1	1237.2
35°	1306.0	1306.0	1326.0	1356.3	1402.3	1434.1	1397.6	1352.8	1319.8	1293.8	1294.6
37.5°	1379.1	1379.9	1406.2	1447.9	1508.0	1545.3	1495.8	1440.4	1400.3	1372.4	1370.8
40°	1468.3	1470.7	1497.8	1544.2	1611.8	1646.0	1592.9	1538.7	1497.8	1464.8	1461.6
42.5°	1568.9	1569.7	1598.4	1640.1	1697.1	1717.5	1675.8	1631.4	1598.0	1568.1	1565.0
45°	1664.8	1662.9	1687.6	1718.7	1751.7	1753.6	1730.5	1712.4	1683.3	1657.8	1653.0
47.5°	1739.5	1737.9	1760.3	1777.2	1781.2	1761.9	1769.4	1772.1	1738.3	1703.7	1694.7
50°	1785.1	1788.2	1809.5	1818.9	1795.7	1764.3	1792.6	1785.5	1737.1	1691.9	1677.4
52.5°	1812.6	1817.3	1854.3	1878.2	1854.3	1824.4	1828.3	1786.7	1717.1	1657.4	1638.5
55°	1743.0	1761.9	1841.7	1947.8	1987.1	1966.3	1891.6	1784.3	1655.4	1568.5	1552.4
57.5°	1291.9	1321.7	1440.0	1669.9	1908.9	1984.7	1766.6	1495.8	1300.5	1188.9	1179.4
60°	659.5	692.9	787.6	1023.8	1331.2	1438.1	1230.5	957.8	761.3	670.9	660.7
62.5°	269.2	274.7	305.8	396.9	588.3	678.7	596.2	418.6	314.4	289.7	290.0
65°	211.8	213.0	211.4	216.9	246.4	273.5	252.7	222.1	216.6	219.3	217.3
67.5°	184.7	185.1	183.9	183.9	185.1	183.9	186.3	187.5	188.3	191.4	189.4
70°	154.5	154.8	154.8	155.6	155.2	153.3	156.8	158.4	158.8	160.7	159.6
72.5°	119.5	120.7	121.4	121.8	121.4	120.3	122.2	125.0	124.6	126.6	124.6
75°	81.0	82.5	83.3	84.9	84.5	84.5	86.9	88.0	86.9	88.4	86.9
77.5°	46.0	47.2	49.5	51.1	52.7	53.8	55.4	56.2	55.8	56.6	55.8
80°	26.7	27.1	29.1	29.9	31.8	33.8	35.4	36.2	36.6	36.9	36.6
82.5°	15.3	15.7	16.5	17.3	18.9	20.4	22.0	23.2	23.2	23.6	23.2
85°	7.5	7.5	7.9	8.3	9.0	10.2	11.4	12.6	13.0	13.0	13.0
87.5°	1.2	1.2	1.6	1.6	2.0	2.4	3.1	3.9	4.3	4.3	4.3
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)