

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: P632023

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632023
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-SA2B-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5730 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

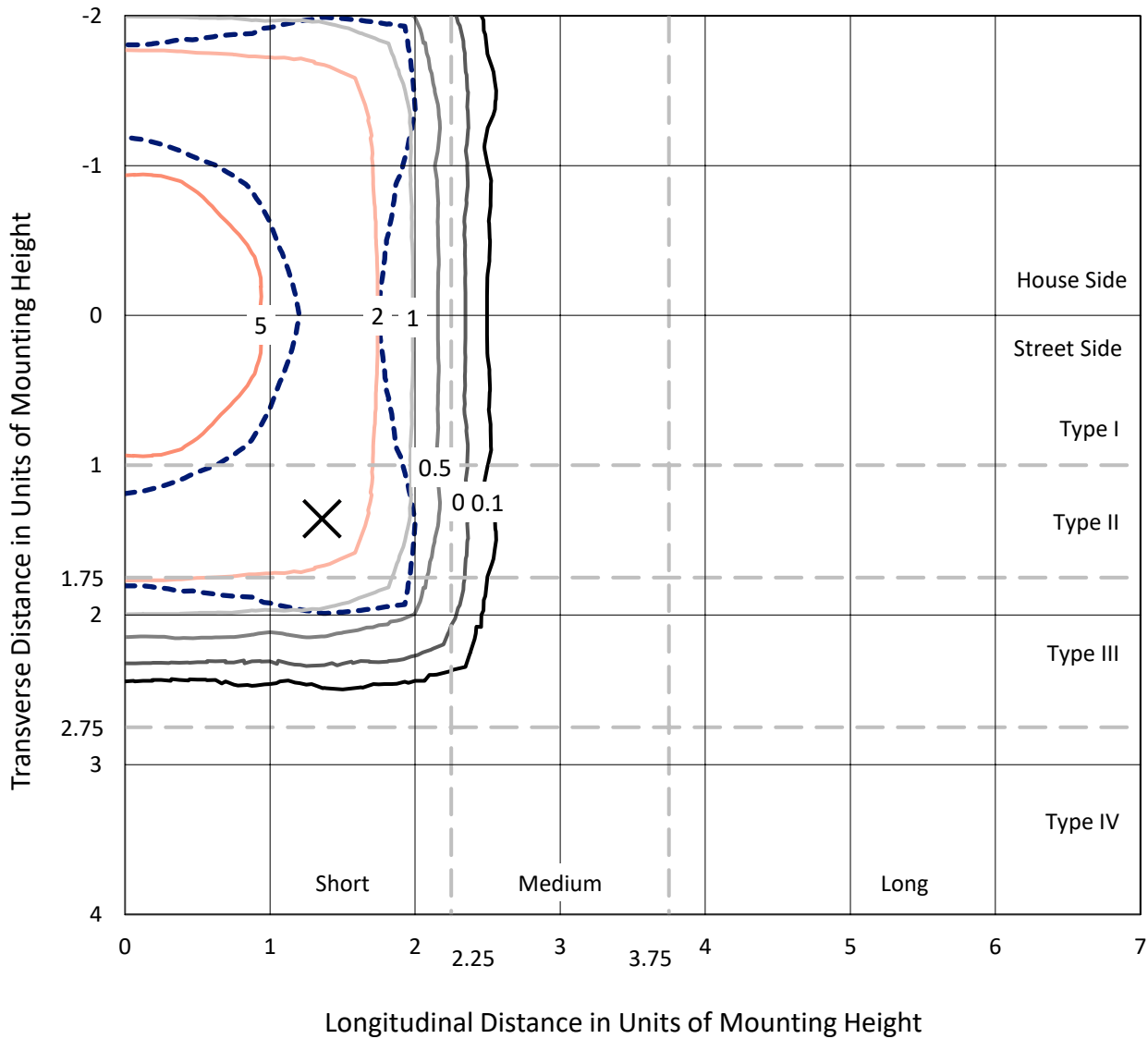
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

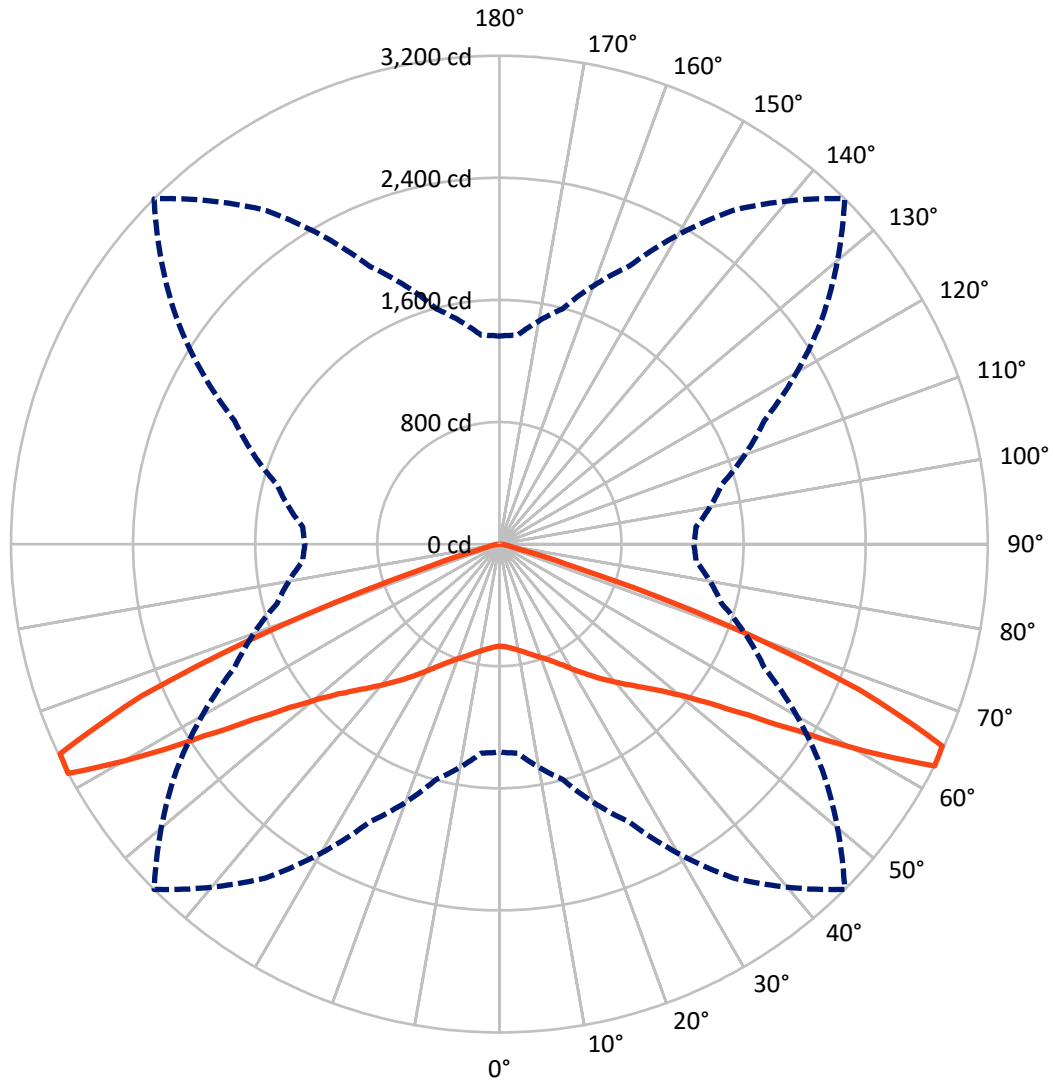
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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	2865.0	0.0	2865.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2865.0	0.0	2865.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5730.0	0.0	5730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.1
10°-20°	211.5	3.7
20°-30°	400.1	7.0
30°-40°	673.5	11.8
40°-50°	1076.1	18.8
50°-60°	1734.6	30.3
60°-70°	1415.2	24.7
70°-80°	137.4	2.4
80°-90°	16.0	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°	5730.0	100.0
0°-180°	5730.0	100.0

Coefficient of Utilization



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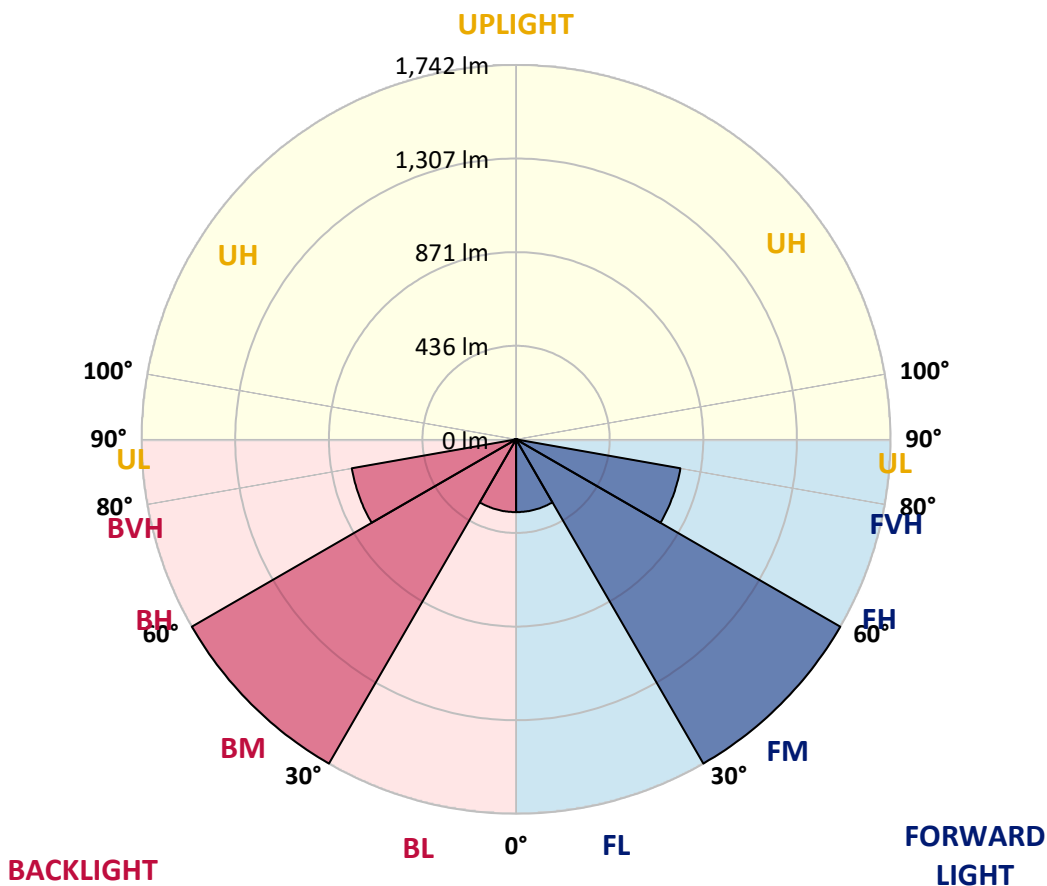
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.6	5.9			
FM (30°-60°)	1742.1	30.4			
FH (60°-80°)	776.3	13.5			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	338.6	5.9	B1/500		
BM (30°-60°)	1742.1	30.4	B2/2500		
BH (60°-80°)	776.3	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.0	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	667.7	667.7	669.3	670.4	669.7	672.8	672.4	671.6	671.2	670.1	673.6
5°	676.7	676.7	677.9	679.1	677.1	681.1	679.5	678.7	678.3	676.7	679.9
7.5°	687.0	688.1	688.5	690.5	689.3	693.6	692.5	690.9	690.1	688.1	690.9
10°	698.3	699.1	699.5	703.1	703.5	708.6	707.4	705.4	703.9	701.9	705.8
12.5°	713.7	714.1	715.2	719.6	720.7	724.7	724.3	721.5	719.6	716.8	721.1
15°	733.3	733.7	735.7	740.0	742.0	746.7	745.1	740.8	738.0	734.9	738.4
17.5°	753.8	755.3	757.3	761.6	764.4	769.9	767.9	763.2	760.8	757.7	760.0
20°	780.1	780.5	781.7	786.4	788.3	794.6	795.0	790.3	789.1	786.0	789.5
22.5°	809.2	809.6	810.7	815.9	819.4	823.3	825.7	822.9	821.0	817.0	821.4
25°	841.4	845.3	846.5	852.8	856.7	859.1	861.8	860.7	857.9	853.2	855.2
27.5°	886.6	887.4	889.3	896.4	898.8	901.1	903.9	904.3	900.3	894.8	897.6
30°	938.1	937.7	942.0	947.5	949.5	951.4	955.4	957.7	952.6	946.7	949.5
32.5°	990.7	995.5	1001.0	1006.1	1004.9	1005.7	1012.0	1016.3	1009.2	998.6	1001.0
35°	1050.1	1053.2	1060.3	1067.8	1066.2	1065.0	1068.9	1073.3	1063.4	1049.7	1053.2
37.5°	1111.0	1115.7	1126.3	1135.4	1133.0	1127.5	1131.8	1136.5	1127.1	1111.4	1109.8
40°	1179.0	1186.4	1201.8	1209.2	1203.0	1192.3	1199.8	1211.2	1201.8	1183.7	1179.4
42.5°	1258.8	1267.8	1283.1	1294.5	1280.8	1263.5	1276.0	1292.6	1290.2	1266.2	1258.8
45°	1357.4	1363.3	1382.2	1387.7	1367.2	1343.3	1366.0	1391.2	1385.3	1359.4	1349.5
47.5°	1464.7	1473.7	1490.2	1500.4	1467.4	1437.6	1469.4	1503.2	1496.9	1472.5	1461.1
50°	1601.4	1613.2	1634.9	1643.5	1597.9	1563.7	1604.6	1647.4	1635.2	1602.6	1587.7
52.5°	1750.4	1759.8	1796.8	1814.1	1771.2	1734.3	1770.0	1812.1	1786.2	1742.9	1722.9
55°	1881.7	1891.1	1945.3	2002.7	2000.7	1975.2	1993.3	1994.0	1923.7	1852.2	1831.0
57.5°	1909.9	1919.4	2022.7	2172.9	2279.0	2308.4	2255.4	2143.8	1966.5	1841.2	1817.2
60°	1759.0	1769.6	1933.9	2208.2	2557.2	2754.1	2509.7	2140.6	1834.1	1664.3	1641.5
62.5°	1362.9	1374.3	1595.2	2007.0	2669.6	3200.1	2583.5	1915.4	1508.7	1293.7	1273.7
65°	650.8	650.8	931.4	1439.5	2445.6	3189.5	2369.8	1417.1	908.2	697.6	680.3
67.5°	161.1	161.9	239.7	560.4	1663.5	2545.4	1690.7	680.3	319.9	226.4	220.5
70°	100.6	100.2	111.2	151.7	582.0	1544.9	691.3	205.1	130.1	114.8	114.0
72.5°	78.2	78.2	83.7	97.1	152.5	526.2	201.6	114.0	94.3	84.9	84.9
75°	61.7	61.7	65.6	72.7	90.0	135.6	107.3	84.5	73.1	66.8	66.0
77.5°	46.0	46.8	49.9	54.6	61.3	76.2	68.0	63.7	57.0	52.3	50.7
80°	29.9	31.0	35.0	37.7	40.1	50.3	44.4	46.4	43.2	37.7	36.9
82.5°	16.1	16.5	21.2	22.0	22.8	27.5	28.3	29.5	30.7	24.0	22.4
85°	5.9	5.9	7.1	8.3	9.0	9.8	13.4	16.5	17.3	13.8	13.4
87.5°	1.2	1.2	1.2	0.8	0.8	0.8	2.4	4.3	7.1	5.5	5.5
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)