

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: P634496

Luminaire Tested: GWS-SA3B-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5814.4 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

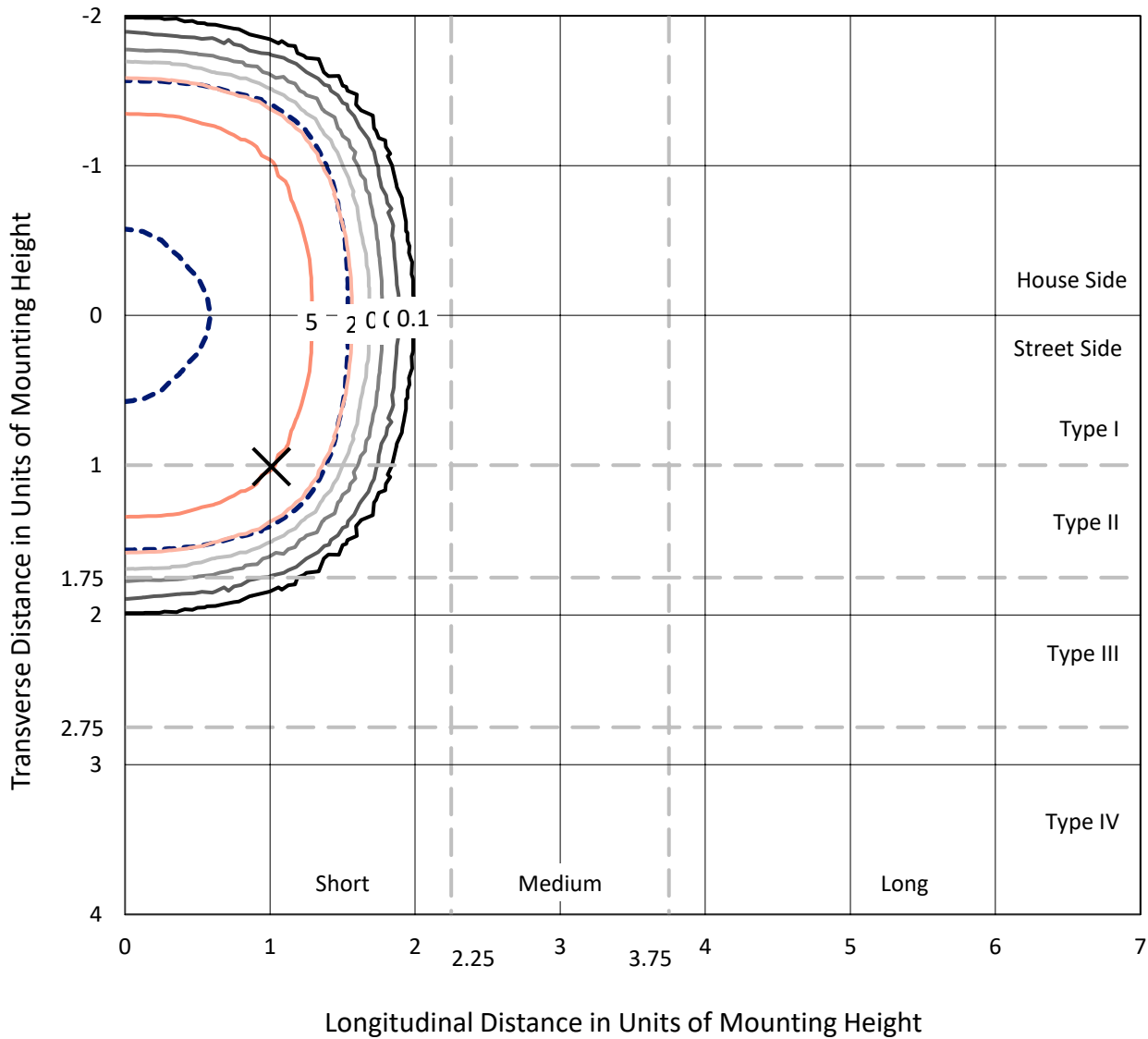
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

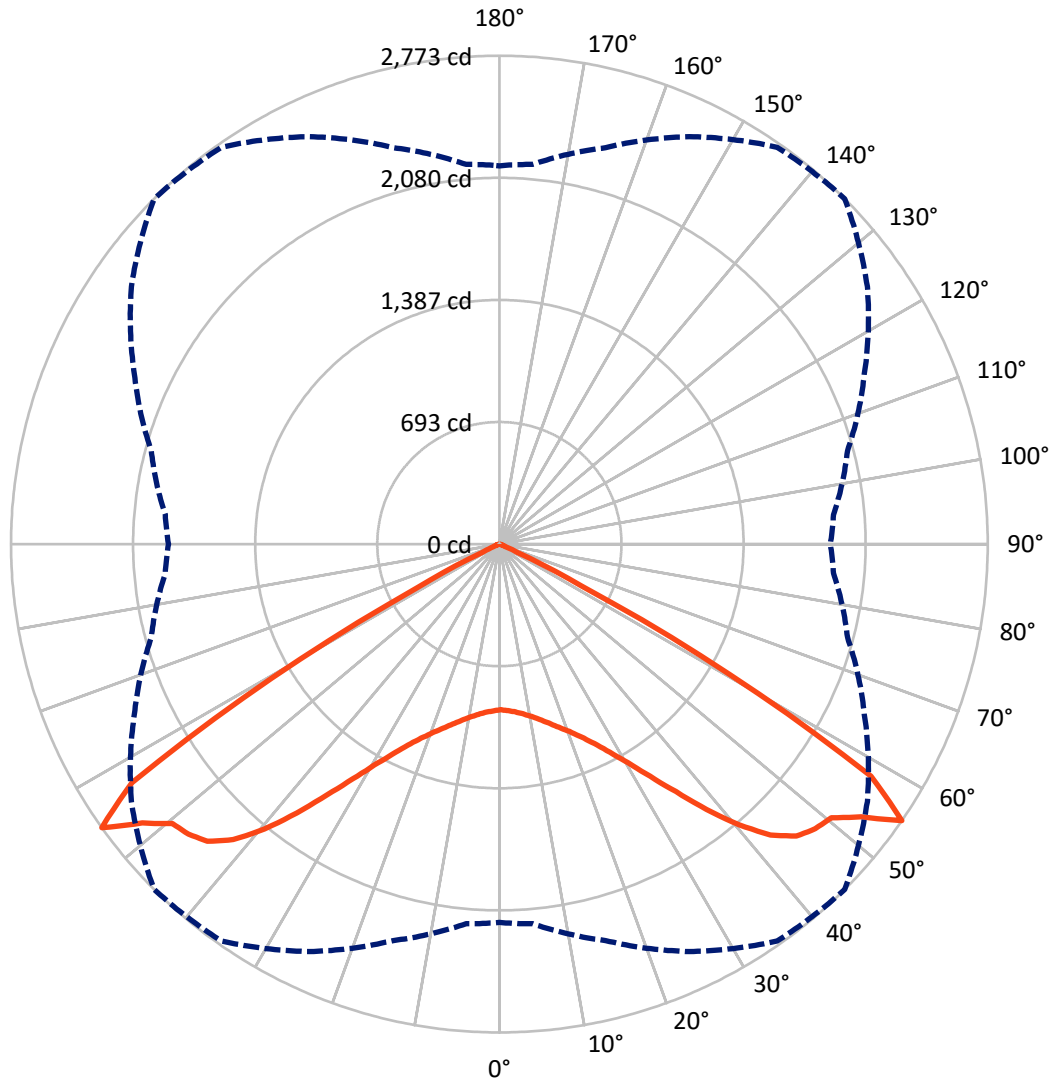
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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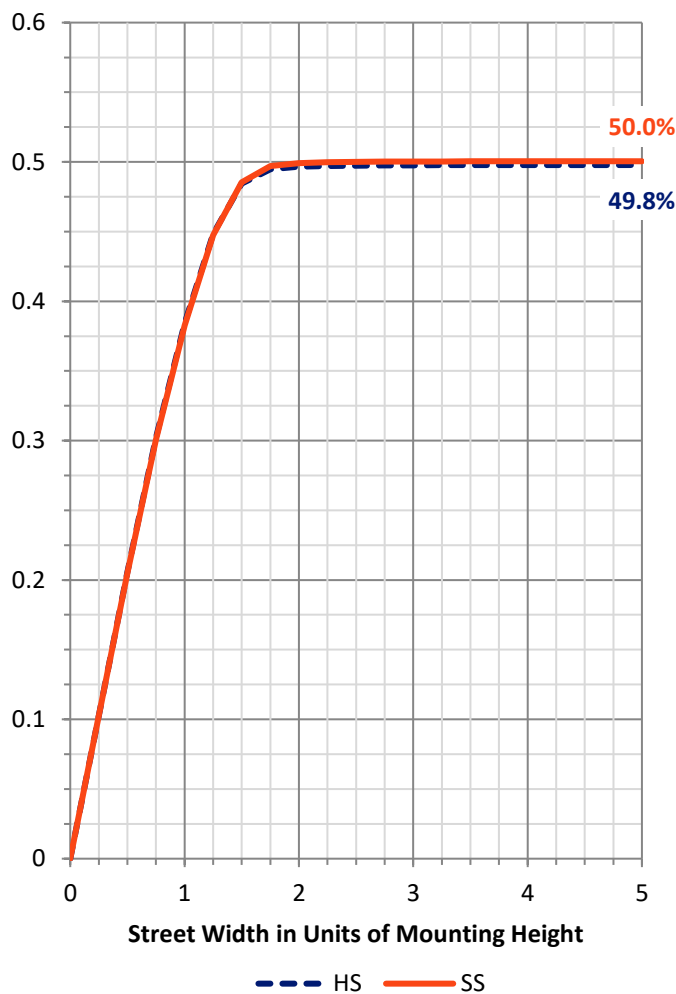
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2907.2	0.0	2907.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2907.2	0.0	2907.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5814.4	0.0	5814.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	1.6
10°-20°	298.6	5.1
20°-30°	578.2	9.9
30°-40°	1035.9	17.8
40°-50°	1736.8	29.9
50°-60°	1859.1	32.0
60°-70°	204.3	3.5
70°-80°	9.0	0.2
80°-90°	0.4	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°	5814.4	100.0
0°-180°	5814.4	100.0

Coefficient of Utilization



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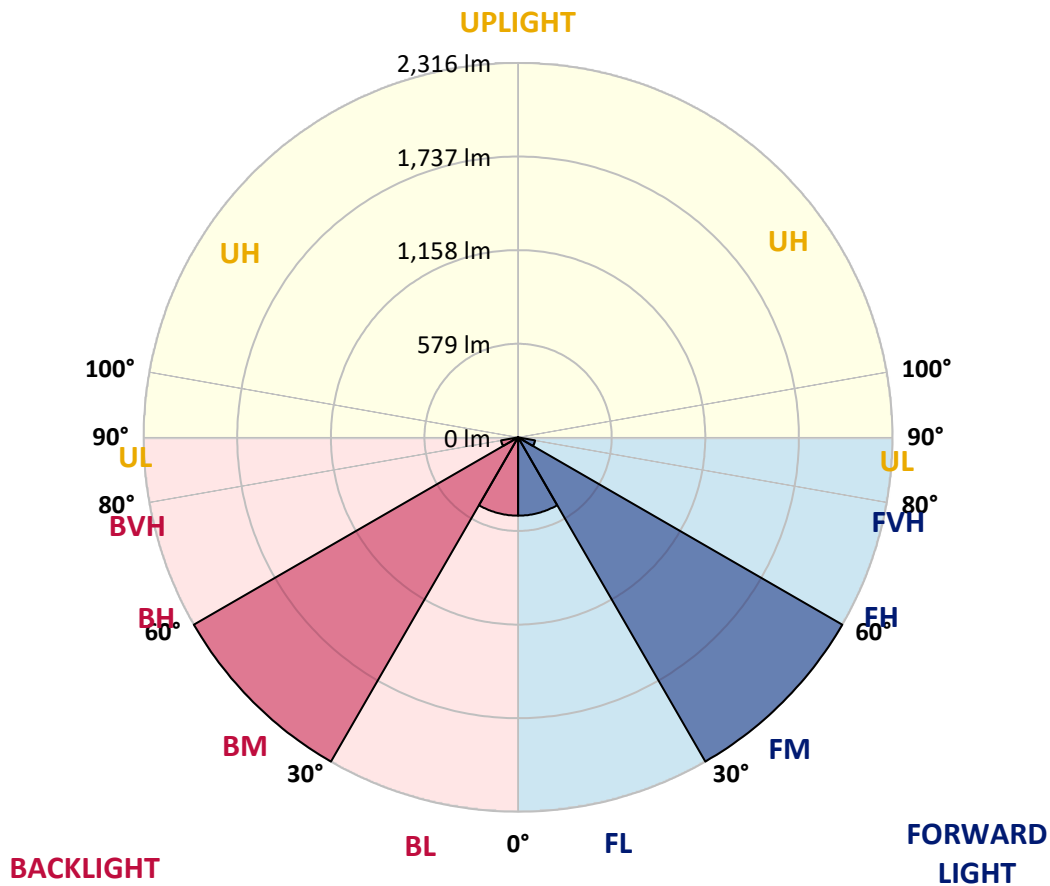
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.4	8.3			
FM (30°-60°)	2315.9	39.8			
FH (60°-80°)	106.6	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	484.4	8.3	B1/500		
BM (30°-60°)	2315.9	39.8	B2/2500		
BH (60°-80°)	106.6	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	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°	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1	940.1
2.5°	938.3	938.3	940.7	942.4	942.4	947.2	945.4	943.6	943.6	941.3	946.0
5°	951.9	951.3	953.7	954.9	952.5	957.3	954.3	952.5	951.3	949.0	953.7
7.5°	966.7	967.3	967.9	970.3	969.1	973.8	971.5	967.9	966.7	963.2	967.9
10°	984.5	984.5	985.7	988.6	989.2	995.2	992.8	988.6	985.1	981.5	986.3
12.5°	1007.0	1007.6	1009.4	1013.5	1015.9	1022.4	1018.9	1010.6	1005.2	1001.1	1006.4
15°	1039.6	1039.0	1041.4	1047.3	1050.3	1055.0	1049.7	1038.4	1031.9	1027.2	1030.7
17.5°	1075.1	1075.1	1076.3	1082.2	1086.4	1093.5	1087.0	1073.4	1067.4	1060.9	1064.5
20°	1114.2	1116.0	1117.2	1121.3	1128.4	1135.6	1130.2	1116.6	1110.1	1101.8	1105.9
22.5°	1165.8	1164.0	1164.6	1171.7	1181.8	1188.9	1184.7	1168.7	1157.5	1151.0	1153.3
25°	1223.2	1222.6	1224.4	1235.1	1246.3	1254.0	1248.1	1227.4	1216.1	1204.9	1209.6
27.5°	1293.7	1294.3	1295.5	1308.5	1326.3	1337.6	1322.7	1302.0	1286.6	1271.8	1275.4
30°	1377.2	1376.1	1379.6	1397.4	1423.4	1441.2	1424.0	1395.0	1373.1	1358.9	1360.7
32.5°	1466.1	1467.3	1476.8	1505.2	1539.5	1570.9	1536.0	1497.5	1469.1	1442.4	1446.0
35°	1562.1	1565.0	1586.3	1628.4	1684.7	1726.7	1678.2	1614.8	1574.5	1540.1	1541.3
37.5°	1675.2	1682.3	1711.9	1774.7	1855.3	1911.5	1840.5	1756.3	1704.2	1661.6	1658.6
40°	1823.9	1832.2	1872.5	1947.1	2044.8	2096.4	2014.0	1927.5	1863.0	1816.8	1809.7
42.5°	1994.5	2005.1	2049.0	2125.4	2223.1	2258.1	2177.5	2104.7	2046.6	1992.1	1989.7
45°	2187.0	2192.9	2228.5	2287.1	2357.6	2365.9	2305.5	2265.2	2206.5	2155.6	2151.5
47.5°	2367.7	2373.6	2397.9	2428.1	2444.7	2415.1	2404.4	2386.6	2310.8	2248.0	2235.0
50°	2505.1	2509.8	2540.0	2551.9	2505.7	2442.9	2463.6	2425.7	2343.4	2272.9	2252.7
52.5°	2495.6	2507.5	2585.1	2652.6	2623.6	2572.6	2516.9	2435.2	2307.2	2210.7	2185.8
55°	2148.5	2164.5	2330.9	2553.1	2751.5	2773.4	2550.7	2287.1	2046.6	1905.0	1879.6
57.5°	1380.8	1384.9	1588.1	1899.7	2346.9	2487.9	2115.3	1724.4	1425.2	1269.4	1258.8
60°	507.7	499.4	652.8	911.1	1351.8	1501.0	1245.1	872.0	622.0	511.8	502.9
62.5°	122.0	123.2	152.8	229.2	424.1	524.8	414.7	231.6	147.5	123.8	122.6
65°	61.6	60.4	61.0	65.8	90.6	108.4	88.9	62.8	60.4	61.0	60.4
67.5°	39.7	39.1	40.3	40.9	40.3	37.9	37.3	38.5	38.5	39.1	37.9
70°	24.3	23.7	24.9	26.7	25.5	22.5	23.7	24.9	23.7	23.1	23.1
72.5°	13.0	13.0	14.2	15.4	14.2	13.0	13.0	13.6	13.0	13.0	13.0
75°	5.9	5.9	6.5	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9
77.5°	1.8	1.8	2.4	2.4	1.8	1.8	1.8	1.8	2.4	2.4	2.4
80°	0.6	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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)