

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: P631856

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631856
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-SA2B-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 4967.5 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

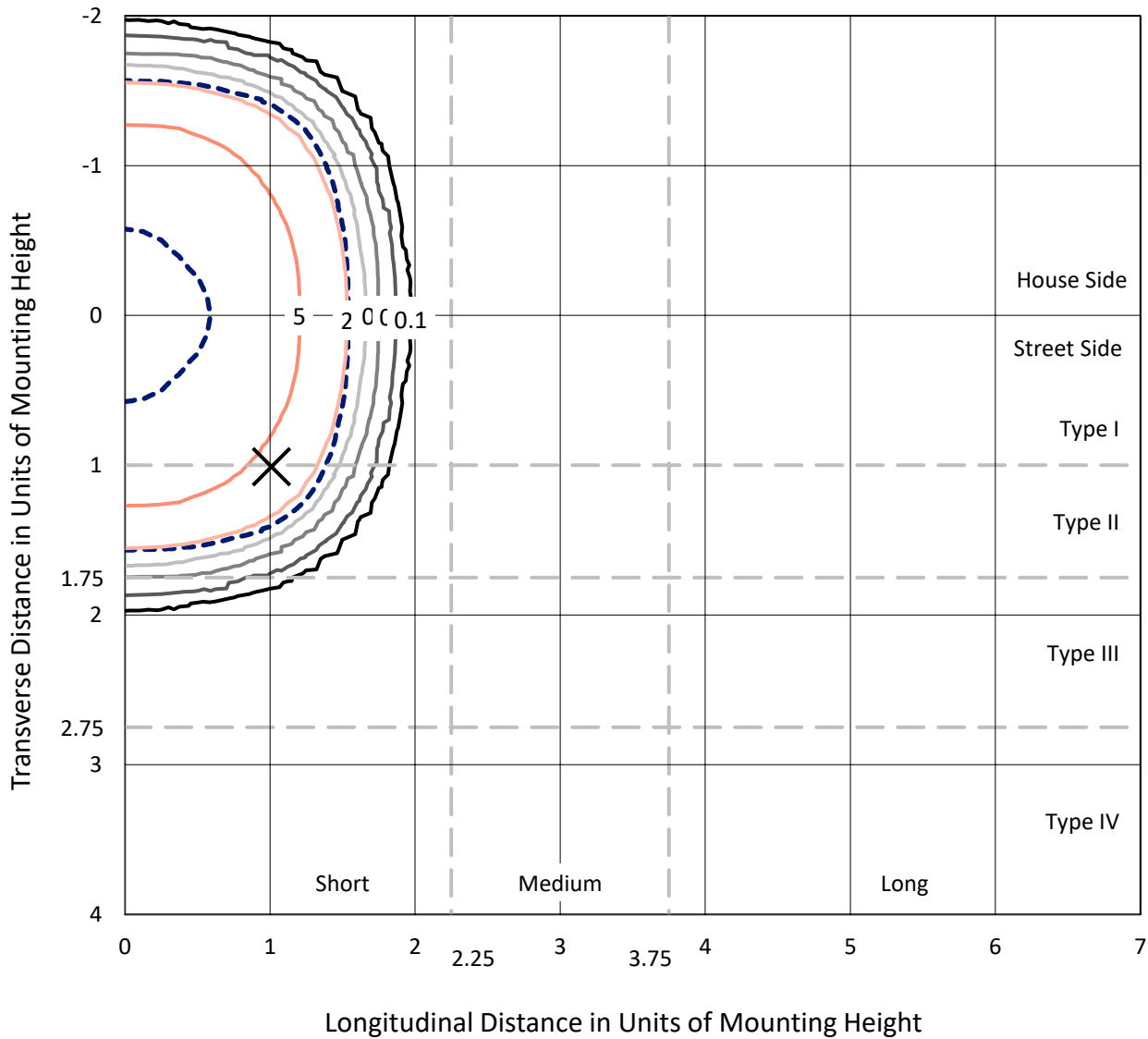
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

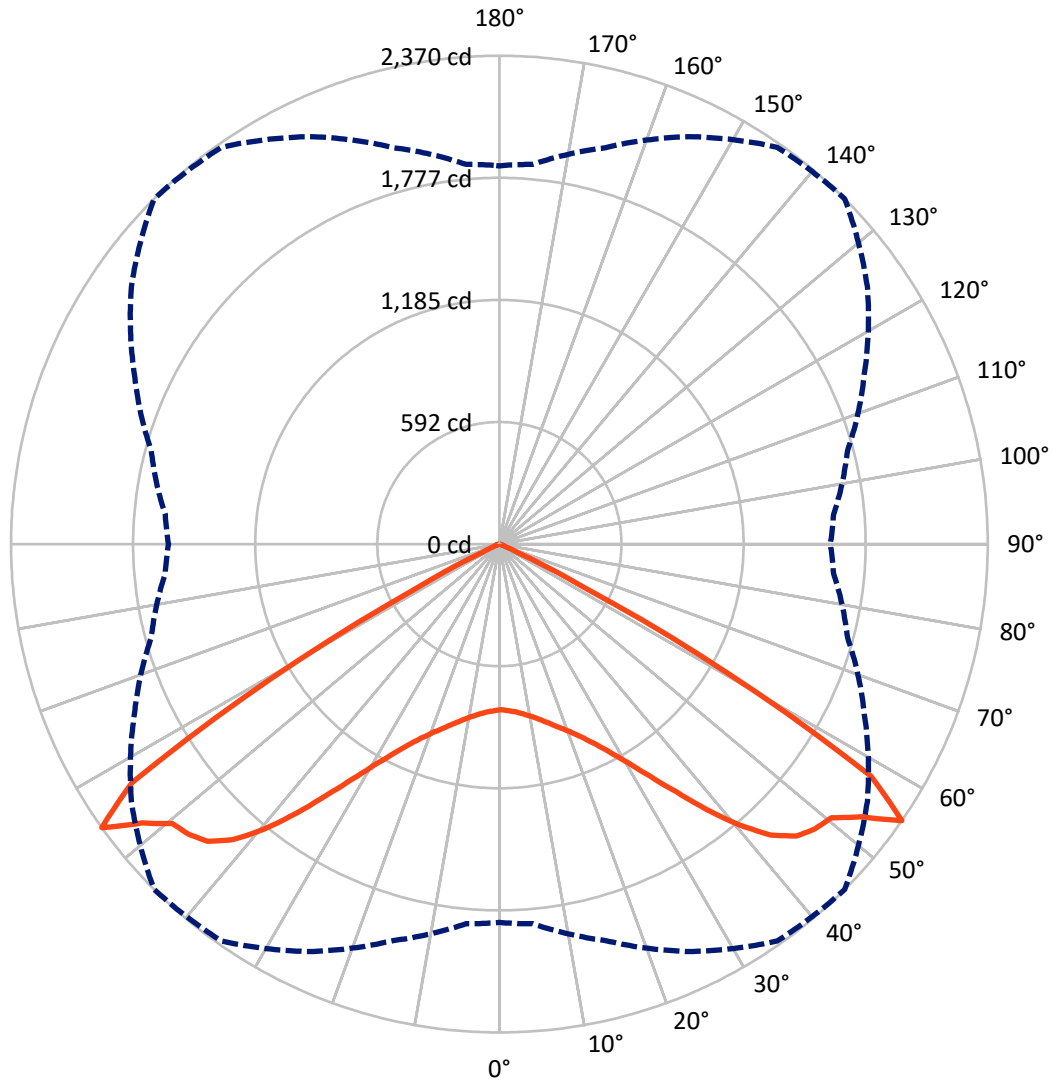
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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	2483.7	0.0	2483.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2483.7	0.0	2483.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4967.5	0.0	4967.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	1.6
10°-20°	255.1	5.1
20°-30°	494.0	9.9
30°-40°	885.0	17.8
40°-50°	1483.8	29.9
50°-60°	1588.3	32.0
60°-70°	174.5	3.5
70°-80°	7.7	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°	4967.5	100.0
0°-180°	4967.5	100.0

Coefficient of Utilization



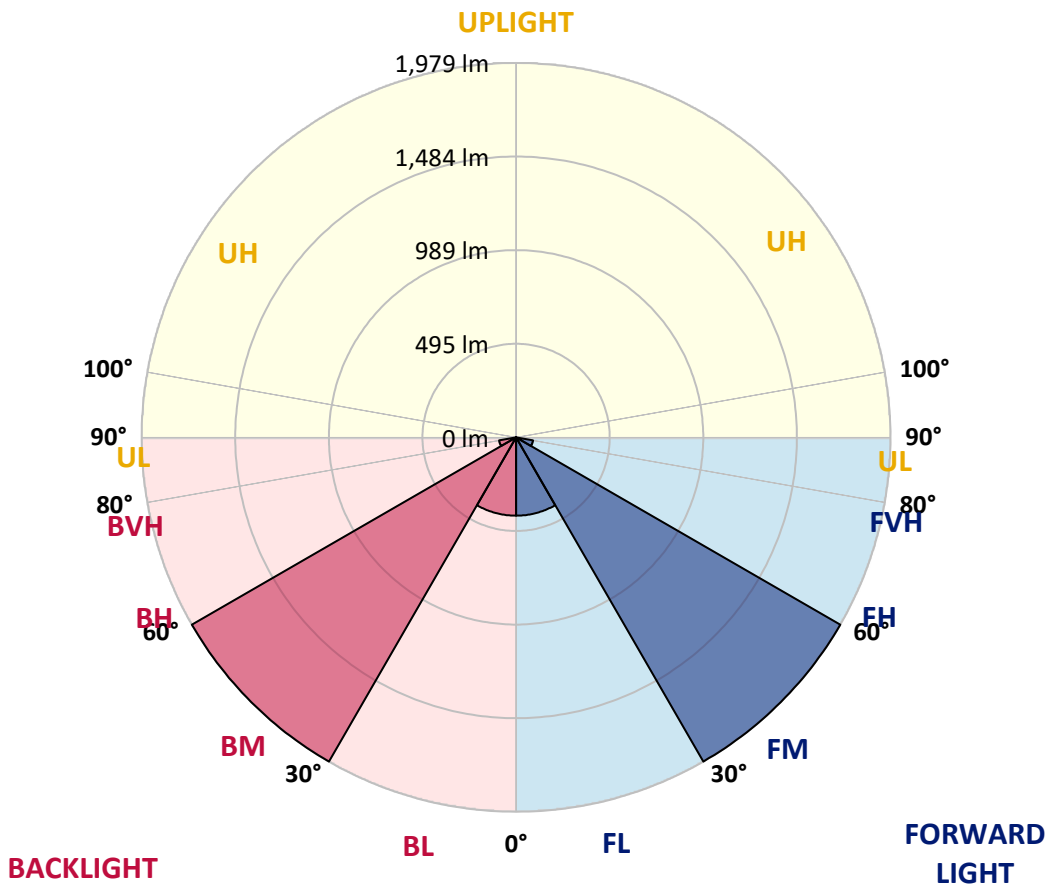
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.9	8.3			
FM (30°-60°)	1978.6	39.8			
FH (60°-80°)	91.1	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	413.9	8.3	B1/500		
BM (30°-60°)	1978.6	39.8	B2/2500		
BH (60°-80°)	91.1	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°	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1	803.1
2.5°	801.6	801.6	803.7	805.2	805.2	809.2	807.7	806.2	806.2	804.2	808.2
5°	813.3	812.8	814.8	815.8	813.8	817.8	815.3	813.8	812.8	810.7	814.8
7.5°	825.9	826.4	826.9	829.0	827.9	832.0	830.0	826.9	825.9	822.9	826.9
10°	841.1	841.1	842.1	844.6	845.2	850.2	848.2	844.6	841.6	838.6	842.6
12.5°	860.3	860.8	862.4	865.9	867.9	873.5	870.5	863.4	858.8	855.3	859.8
15°	888.2	887.7	889.7	894.7	897.3	901.3	896.8	887.2	881.6	877.5	880.6
17.5°	918.5	918.5	919.5	924.6	928.2	934.2	928.7	917.0	912.0	906.4	909.4
20°	951.9	953.5	954.5	958.0	964.1	970.2	965.6	954.0	948.4	941.3	944.9
22.5°	996.0	994.4	995.0	1001.0	1009.6	1015.7	1012.2	998.5	988.9	983.3	985.3
25°	1045.1	1044.5	1046.1	1055.2	1064.8	1071.4	1066.3	1048.6	1039.0	1029.4	1033.4
27.5°	1105.3	1105.8	1106.8	1117.9	1133.1	1142.7	1130.1	1112.4	1099.2	1086.6	1089.6
30°	1176.6	1175.6	1178.7	1193.8	1216.1	1231.3	1216.6	1191.8	1173.1	1160.9	1162.5
32.5°	1252.5	1253.6	1261.7	1285.9	1315.3	1342.1	1312.3	1279.4	1255.1	1232.3	1235.3
35°	1334.5	1337.1	1355.3	1391.2	1439.3	1475.2	1433.7	1379.6	1345.2	1315.8	1316.8
37.5°	1431.2	1437.3	1462.6	1516.2	1585.0	1633.1	1572.4	1500.5	1456.0	1419.6	1417.0
40°	1558.2	1565.3	1599.7	1663.5	1747.0	1791.0	1720.7	1646.8	1591.6	1552.1	1546.1
42.5°	1704.0	1713.1	1750.5	1815.8	1899.3	1929.2	1860.4	1798.1	1748.5	1701.9	1699.9
45°	1868.4	1873.5	1903.9	1954.0	2014.2	2021.3	1969.7	1935.3	1885.1	1841.6	1838.1
47.5°	2022.8	2027.9	2048.6	2074.4	2088.6	2063.3	2054.2	2039.0	1974.2	1920.6	1909.4
50°	2140.2	2144.3	2170.1	2180.2	2140.7	2087.1	2104.8	2072.4	2002.1	1941.8	1924.6
52.5°	2132.1	2142.2	2208.5	2266.2	2241.4	2197.9	2150.3	2080.5	1971.2	1888.7	1867.4
55°	1835.6	1849.2	1991.4	2181.2	2350.7	2369.5	2179.2	1954.0	1748.5	1627.6	1605.8
57.5°	1179.7	1183.2	1356.8	1623.0	2005.1	2125.5	1807.2	1473.2	1217.6	1084.5	1075.4
60°	433.7	426.6	557.7	778.4	1154.9	1282.4	1063.8	744.9	531.4	437.3	429.7
62.5°	104.3	105.3	130.6	195.9	362.4	448.4	354.3	197.9	126.0	105.8	104.8
65°	52.6	51.6	52.1	56.2	77.4	92.6	75.9	53.6	51.6	52.1	51.6
67.5°	33.9	33.4	34.4	34.9	34.4	32.4	31.9	32.9	32.9	33.4	32.4
70°	20.7	20.2	21.3	22.8	21.8	19.2	20.2	21.3	20.2	19.7	19.7
72.5°	11.1	11.1	12.1	13.2	12.1	11.1	11.1	11.6	11.1	11.1	11.1
75°	5.1	5.1	5.6	6.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
77.5°	1.5	1.5	2.0	2.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
80°	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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)