

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: P631911

Luminaire Tested: GWS-SA2B-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631911
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4899.5 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

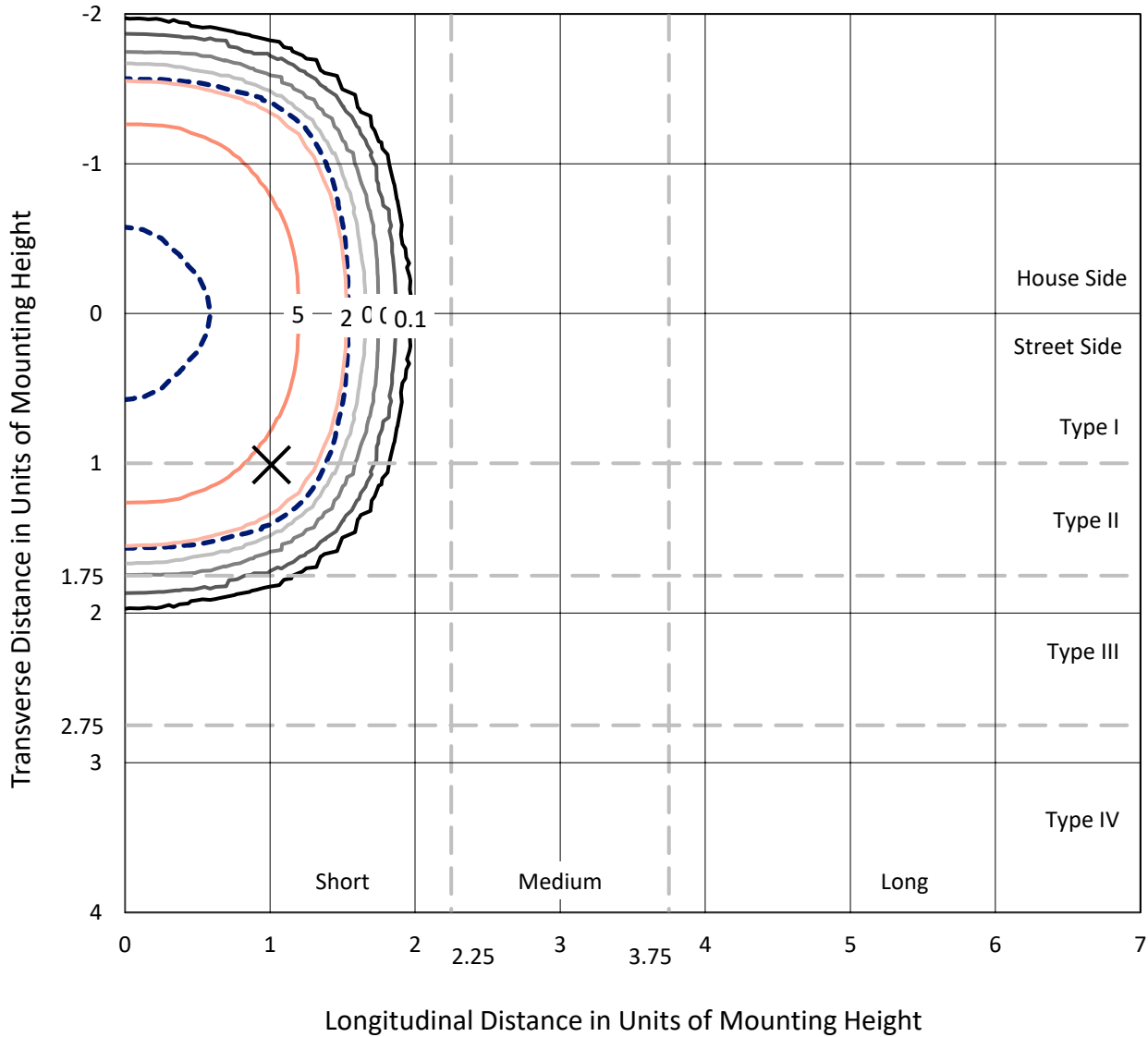
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

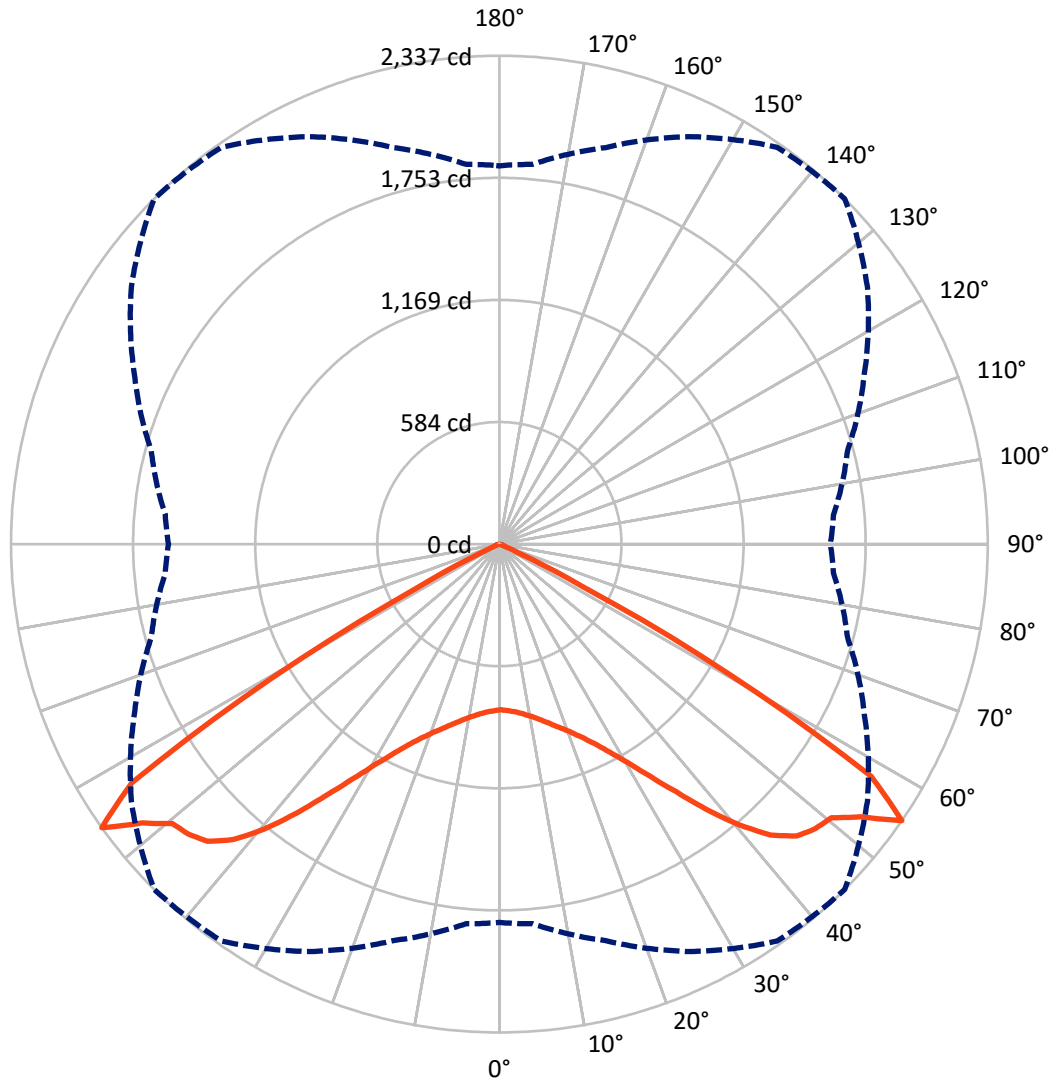
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 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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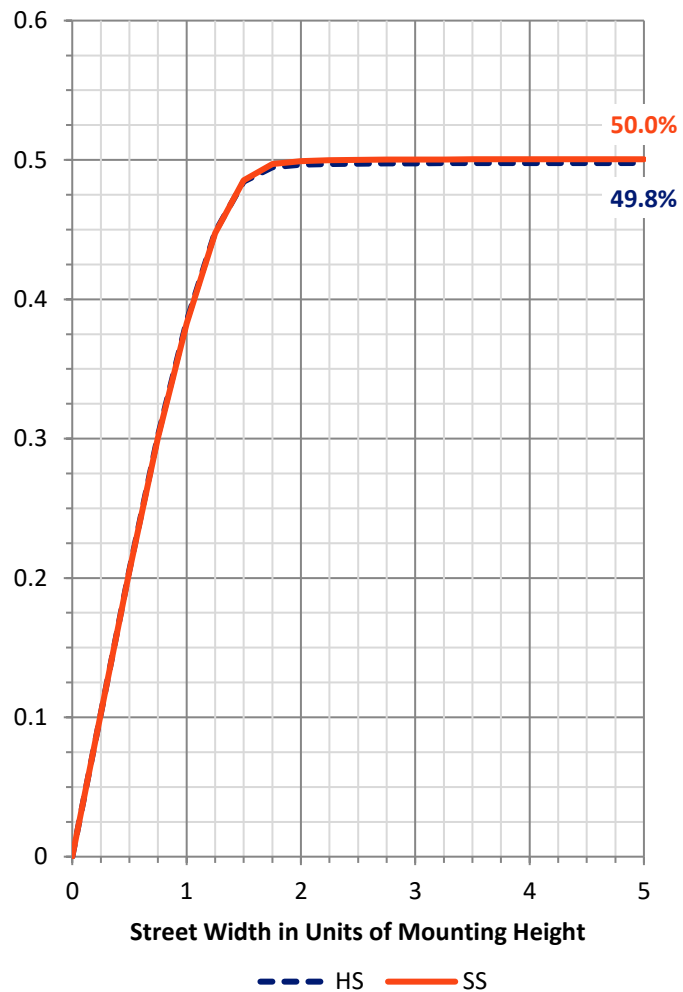
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.8	0.0	2449.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2449.8	0.0	2449.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4899.5	0.0	4899.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.6
10°-20°	251.6	5.1
20°-30°	487.2	9.9
30°-40°	872.9	17.8
40°-50°	1463.5	29.9
50°-60°	1566.6	32.0
60°-70°	172.1	3.5
70°-80°	7.6	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°	4899.5	100.0
0°-180°	4899.5	100.0

Coefficient of Utilization



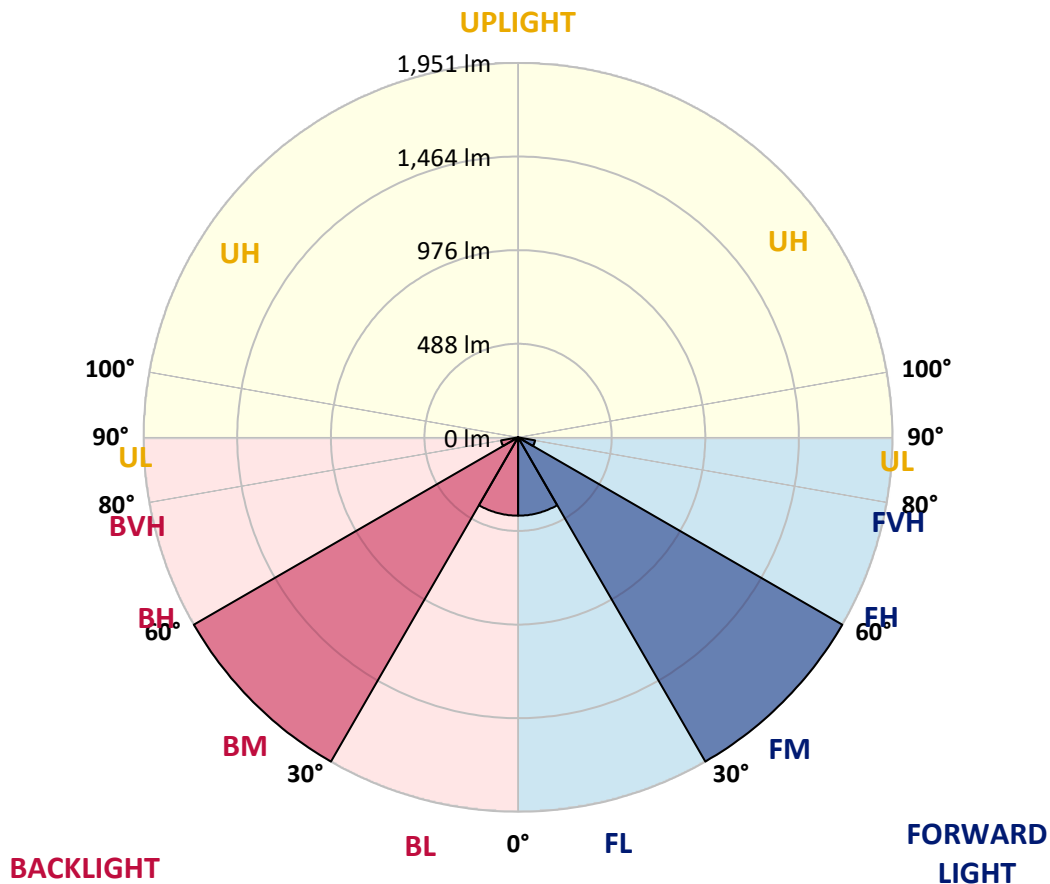
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.2	8.3			
FM (30°-60°)	1951.5	39.8			
FH (60°-80°)	89.9	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	408.2	8.3	B1/500		
BM (30°-60°)	1951.5	39.8	B2/2500		
BH (60°-80°)	89.9	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°	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2	792.2
2.5°	790.7	790.7	792.7	794.2	794.2	798.1	796.6	795.1	795.1	793.2	797.1
5°	802.1	801.6	803.6	804.6	802.6	806.6	804.1	802.6	801.6	799.6	803.6
7.5°	814.6	815.1	815.6	817.6	816.6	820.6	818.6	815.6	814.6	811.6	815.6
10°	829.6	829.6	830.6	833.1	833.6	838.6	836.6	833.1	830.1	827.1	831.1
12.5°	848.6	849.1	850.6	854.0	856.0	861.5	858.5	851.6	847.1	843.6	848.1
15°	876.0	875.5	877.5	882.5	885.0	889.0	884.5	875.0	869.5	865.5	868.5
17.5°	906.0	906.0	907.0	912.0	915.4	921.4	915.9	904.5	899.5	894.0	897.0
20°	938.9	940.4	941.4	944.9	950.9	956.9	952.4	940.9	935.4	928.4	931.9
22.5°	982.3	980.8	981.3	987.3	995.8	1001.8	998.3	984.8	975.3	969.9	971.8
25°	1030.7	1030.3	1031.7	1040.7	1050.2	1056.7	1051.7	1034.2	1024.8	1015.3	1019.3
27.5°	1090.1	1090.6	1091.6	1102.6	1117.6	1127.1	1114.6	1097.1	1084.2	1071.7	1074.7
30°	1160.5	1159.5	1162.5	1177.5	1199.5	1214.4	1200.0	1175.5	1157.0	1145.1	1146.6
32.5°	1235.4	1236.4	1244.4	1268.3	1297.3	1323.8	1294.3	1261.9	1237.9	1215.4	1218.4
35°	1316.3	1318.8	1336.7	1372.2	1419.6	1455.0	1414.1	1360.7	1326.7	1297.8	1298.8
37.5°	1411.6	1417.6	1442.6	1495.5	1563.3	1610.8	1550.9	1480.0	1436.1	1400.1	1397.6
40°	1536.9	1543.9	1577.8	1640.7	1723.1	1766.5	1697.1	1624.2	1569.8	1530.9	1524.9
42.5°	1680.6	1689.6	1726.6	1791.0	1873.3	1902.8	1834.9	1773.5	1724.6	1678.6	1676.7
45°	1842.9	1847.9	1877.8	1927.2	1986.6	1993.6	1942.7	1908.8	1859.3	1816.4	1812.9
47.5°	1995.1	2000.1	2020.6	2046.0	2060.0	2035.0	2026.1	2011.1	1947.2	1894.3	1883.3
50°	2110.9	2114.9	2140.4	2150.3	2111.4	2058.5	2076.0	2044.0	1974.6	1915.2	1898.3
52.5°	2102.9	2112.9	2178.3	2235.2	2210.7	2167.8	2120.9	2052.0	1944.2	1862.8	1841.9
55°	1810.4	1823.9	1964.2	2151.3	2318.6	2337.0	2149.3	1927.2	1724.6	1605.3	1583.8
57.5°	1163.5	1167.0	1338.2	1600.8	1977.6	2096.4	1782.5	1453.0	1201.0	1069.7	1060.7
60°	427.8	420.8	550.1	767.7	1139.1	1264.9	1049.2	734.8	524.1	431.3	423.8
62.5°	102.8	103.8	128.8	193.2	357.4	442.2	349.4	195.2	124.3	104.3	103.3
65°	51.9	50.9	51.4	55.4	76.4	91.3	74.9	52.9	50.9	51.4	50.9
67.5°	33.4	32.9	33.9	34.4	33.9	31.9	31.4	32.4	32.4	32.9	31.9
70°	20.5	20.0	21.0	22.5	21.5	19.0	20.0	21.0	20.0	19.5	19.5
72.5°	11.0	11.0	12.0	13.0	12.0	11.0	11.0	11.5	11.0	11.0	11.0
75°	5.0	5.0	5.5	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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)