

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: P631801

Luminaire Tested: GWS-SA2B-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631801
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4856.3 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

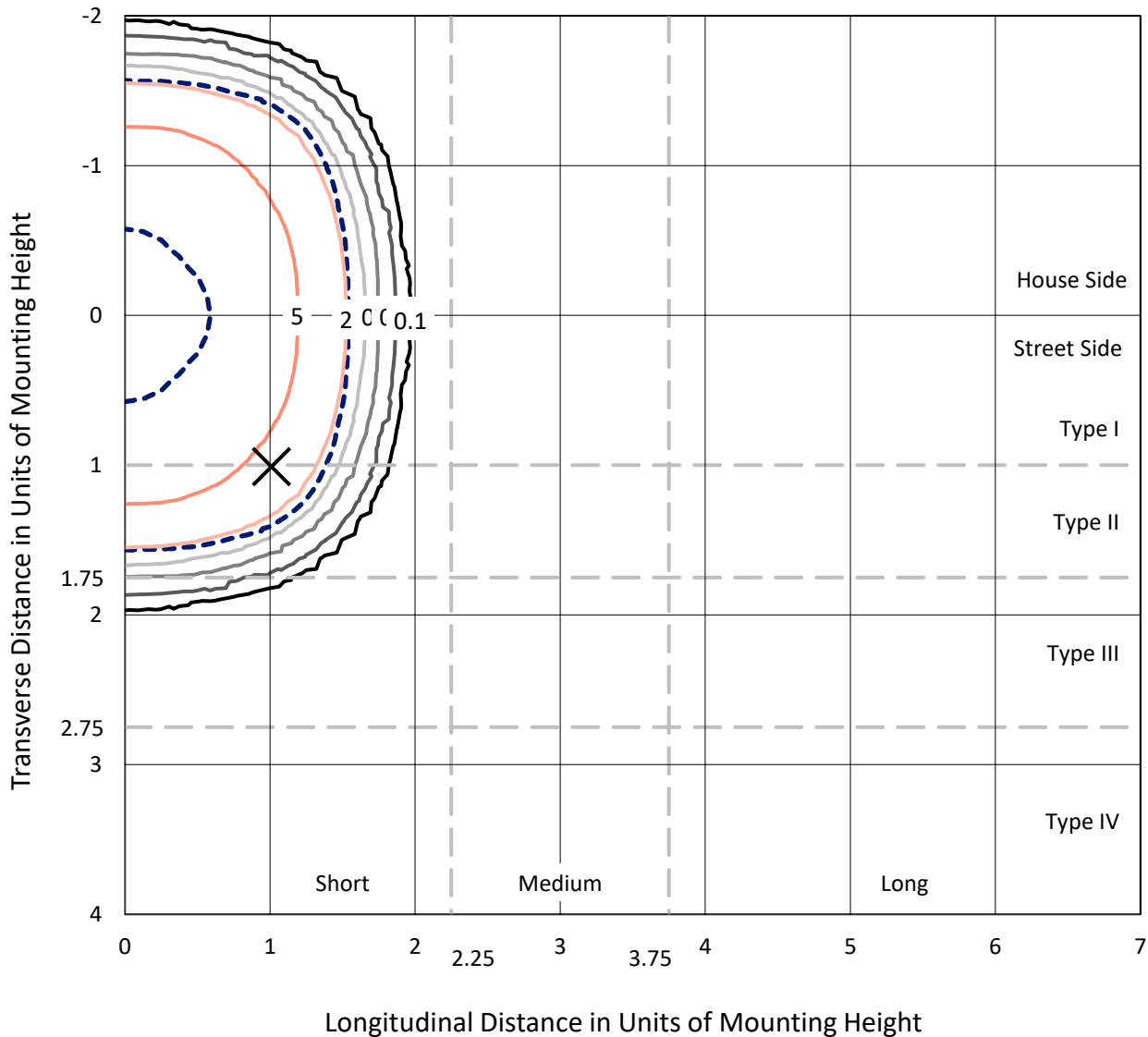
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

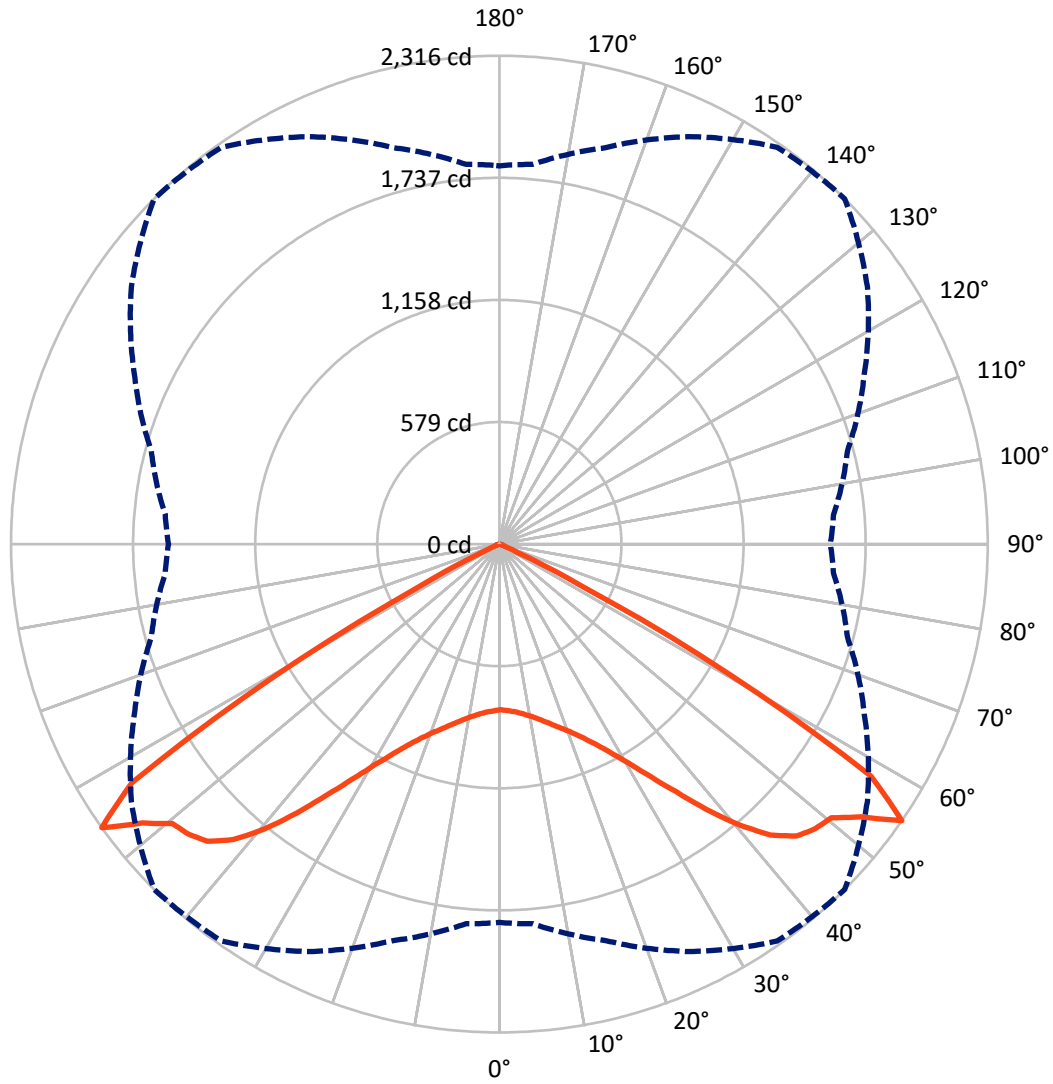
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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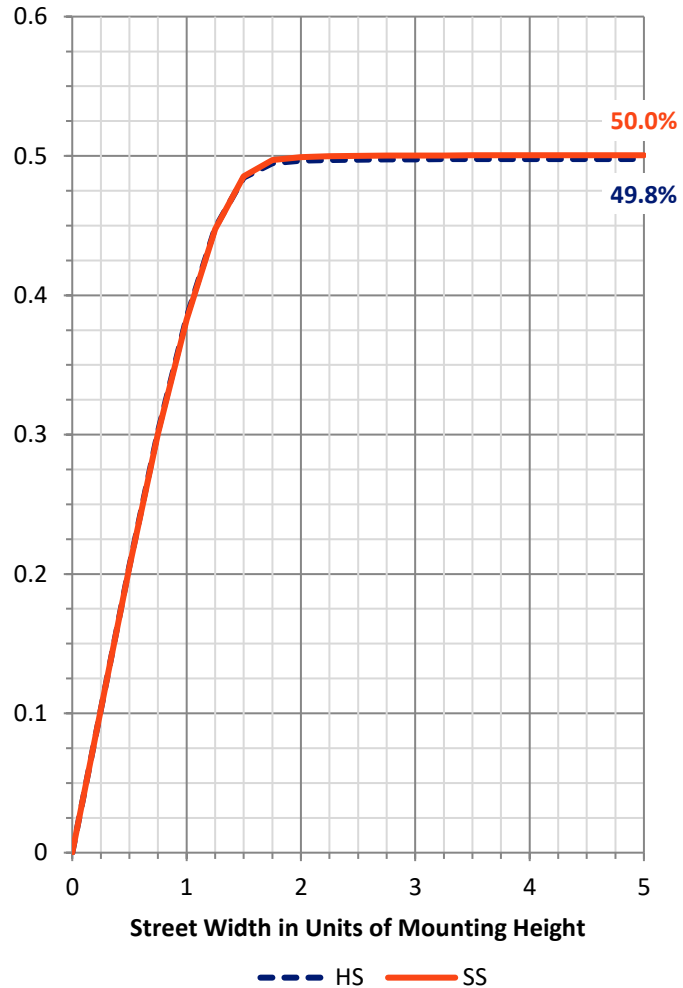
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2428.2	0.0	2428.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2428.2	0.0	2428.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4856.3	0.0	4856.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.6
10°-20°	249.4	5.1
20°-30°	482.9	9.9
30°-40°	865.2	17.8
40°-50°	1450.6	29.9
50°-60°	1552.8	32.0
60°-70°	170.6	3.5
70°-80°	7.5	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°	4856.3	100.0
0°-180°	4856.3	100.0

Coefficient of Utilization



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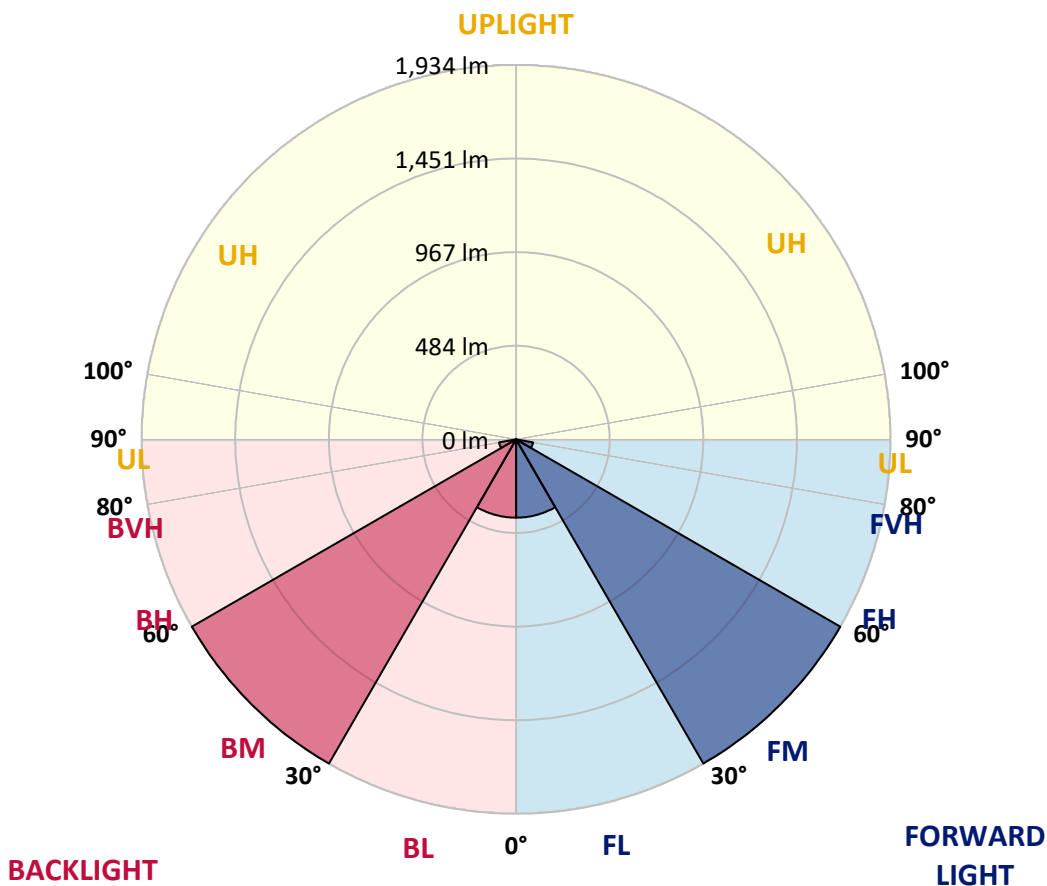
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.6	8.3			
FM (30°-60°)	1934.3	39.8			
FH (60°-80°)	89.1	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	404.6	8.3	B1/500		
BM (30°-60°)	1934.3	39.8	B2/2500		
BH (60°-80°)	89.1	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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	783.7	783.7	785.7	787.1	787.1	791.1	789.6	788.1	788.1	786.2	790.1
5°	795.1	794.6	796.5	797.5	795.6	799.5	797.0	795.6	794.6	792.6	796.5
7.5°	807.4	807.9	808.4	810.4	809.4	813.4	811.4	808.4	807.4	804.5	808.4
10°	822.3	822.3	823.3	825.7	826.2	831.2	829.2	825.7	822.8	819.8	823.8
12.5°	841.1	841.6	843.1	846.5	848.5	853.9	851.0	844.0	839.6	836.1	840.6
15°	868.3	867.8	869.8	874.7	877.2	881.2	876.7	867.3	861.9	857.9	860.9
17.5°	898.0	898.0	899.0	903.9	907.4	913.3	907.9	896.5	891.5	886.1	889.1
20°	930.6	932.1	933.1	936.6	942.5	948.4	944.0	932.6	927.2	920.2	923.7
22.5°	973.7	972.2	972.7	978.6	987.0	993.0	989.5	976.1	966.7	961.3	963.3
25°	1021.7	1021.2	1022.7	1031.6	1041.0	1047.4	1042.4	1025.1	1015.7	1006.3	1010.3
27.5°	1080.5	1081.0	1082.0	1092.9	1107.7	1117.1	1104.8	1087.5	1074.6	1062.2	1065.2
30°	1150.3	1149.3	1152.3	1167.1	1188.9	1203.7	1189.4	1165.1	1146.8	1135.0	1136.4
32.5°	1224.5	1225.5	1233.4	1257.2	1285.9	1312.1	1282.9	1250.7	1227.0	1204.7	1207.7
35°	1304.7	1307.1	1324.9	1360.1	1407.1	1442.2	1401.6	1348.7	1315.0	1286.4	1287.3
37.5°	1399.2	1405.1	1429.8	1482.3	1549.6	1596.6	1537.2	1466.9	1423.4	1387.8	1385.3
40°	1523.3	1530.3	1563.9	1626.2	1707.9	1750.9	1682.2	1609.9	1556.0	1517.4	1511.5
42.5°	1665.8	1674.7	1711.3	1775.2	1856.8	1886.0	1818.7	1757.9	1709.4	1663.8	1661.9
45°	1826.6	1831.6	1861.3	1910.2	1969.1	1976.0	1925.6	1891.9	1842.9	1800.4	1796.9
47.5°	1977.5	1982.5	2002.8	2028.0	2041.8	2017.1	2008.2	1993.4	1930.0	1877.6	1866.7
50°	2092.3	2096.3	2121.5	2131.4	2092.8	2040.4	2057.7	2026.0	1957.2	1898.4	1881.5
52.5°	2084.4	2094.3	2159.1	2215.5	2191.3	2148.7	2102.2	2033.9	1927.1	1846.4	1825.6
55°	1794.5	1807.8	1946.8	2132.4	2298.1	2316.4	2130.4	1910.2	1709.4	1591.1	1569.8
57.5°	1153.3	1156.7	1326.4	1586.7	1960.2	2078.0	1766.8	1440.2	1190.4	1060.3	1051.3
60°	424.0	417.1	545.2	760.9	1129.0	1253.7	1040.0	728.3	519.5	427.5	420.0
62.5°	101.9	102.9	127.6	191.5	354.2	438.3	346.3	193.4	123.2	103.4	102.4
65°	51.5	50.5	51.0	54.9	75.7	90.5	74.2	52.4	50.5	51.0	50.5
67.5°	33.1	32.7	33.6	34.1	33.6	31.7	31.2	32.2	32.2	32.7	31.7
70°	20.3	19.8	20.8	22.3	21.3	18.8	19.8	20.8	19.8	19.3	19.3
72.5°	10.9	10.9	11.9	12.9	11.9	10.9	10.9	11.4	10.9	10.9	10.9
75°	4.9	4.9	5.4	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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)