

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: P631416

Luminaire Tested: GWS-SA1F-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631416
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-SA1F-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5981.2 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

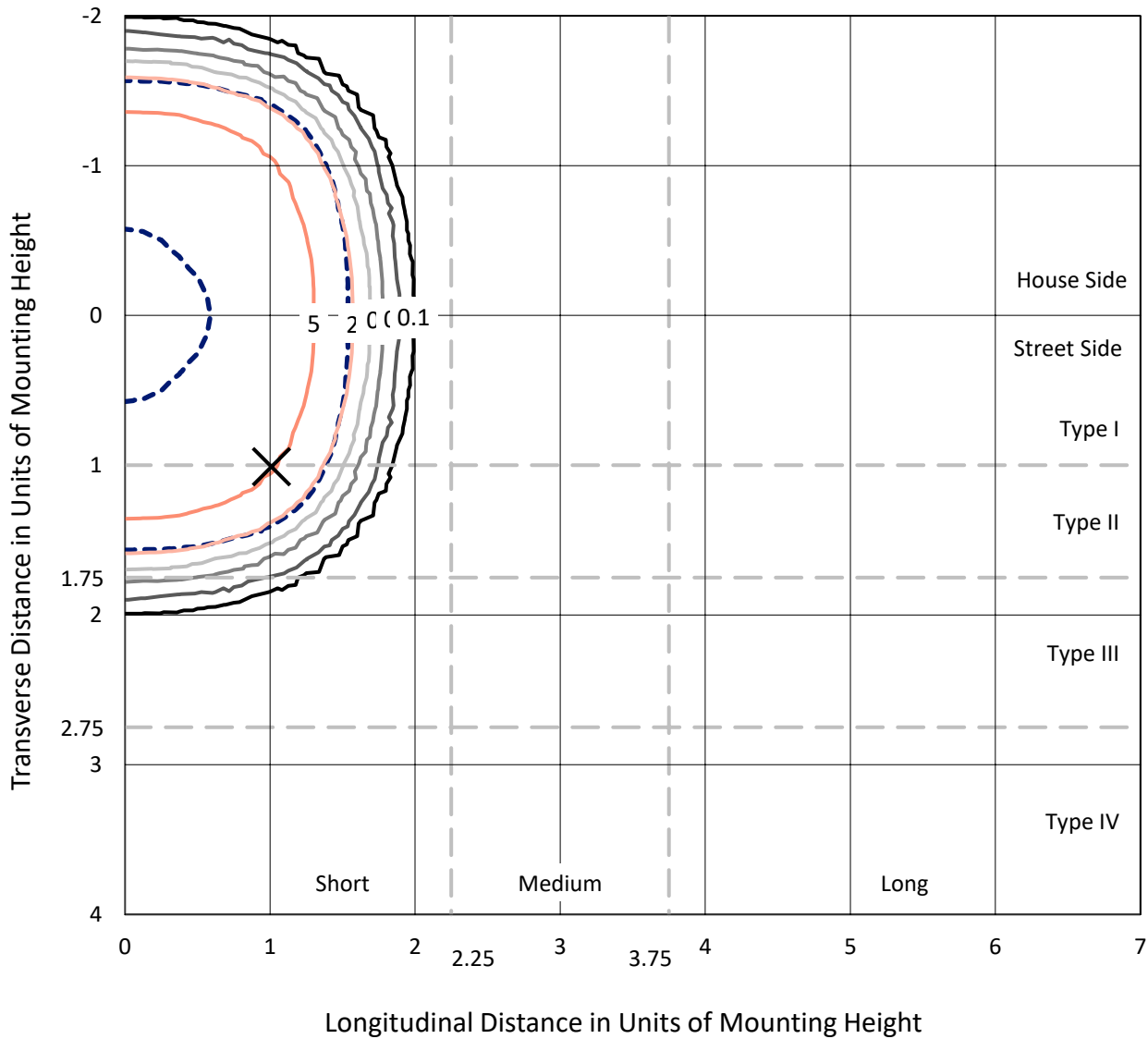
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

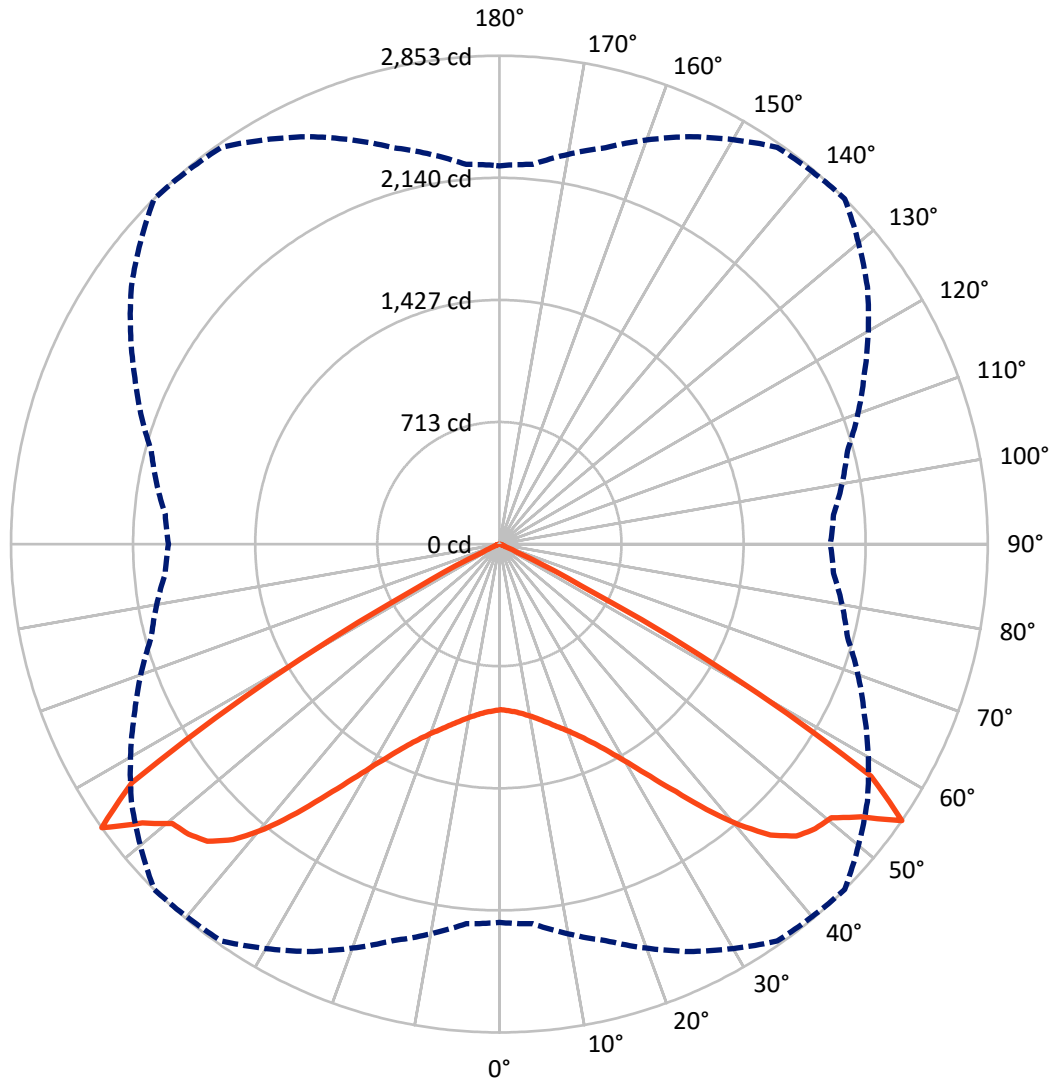
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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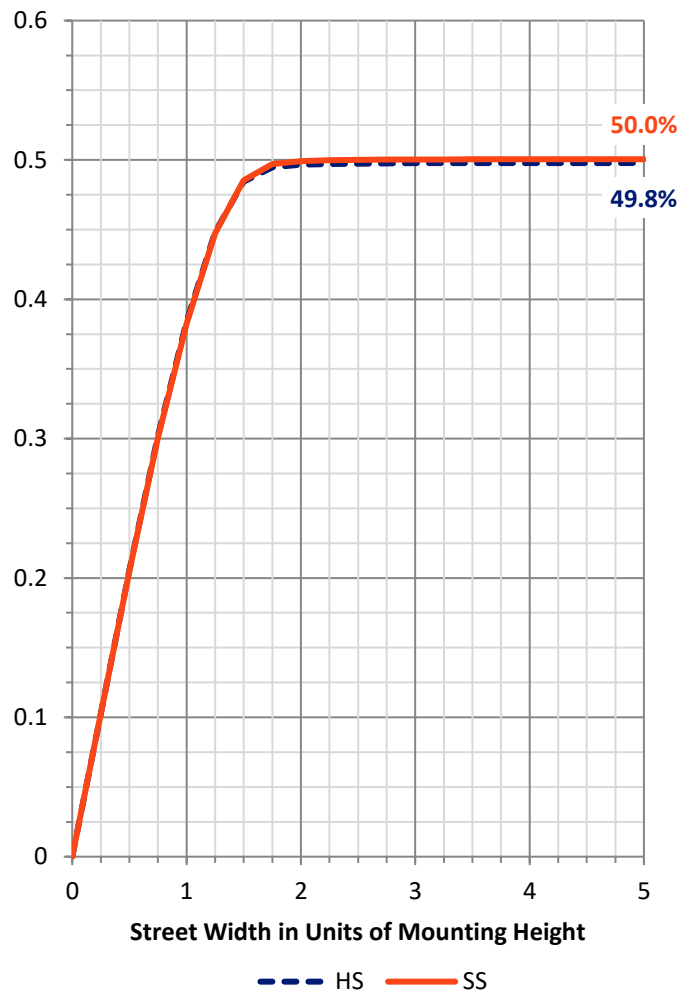
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2990.6	0.0	2990.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2990.6	0.0	2990.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5981.2	0.0	5981.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.6
10°-20°	307.1	5.1
20°-30°	594.8	9.9
30°-40°	1065.6	17.8
40°-50°	1786.6	29.9
50°-60°	1912.5	32.0
60°-70°	210.2	3.5
70°-80°	9.2	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°	5981.2	100.0
0°-180°	5981.2	100.0

Coefficient of Utilization



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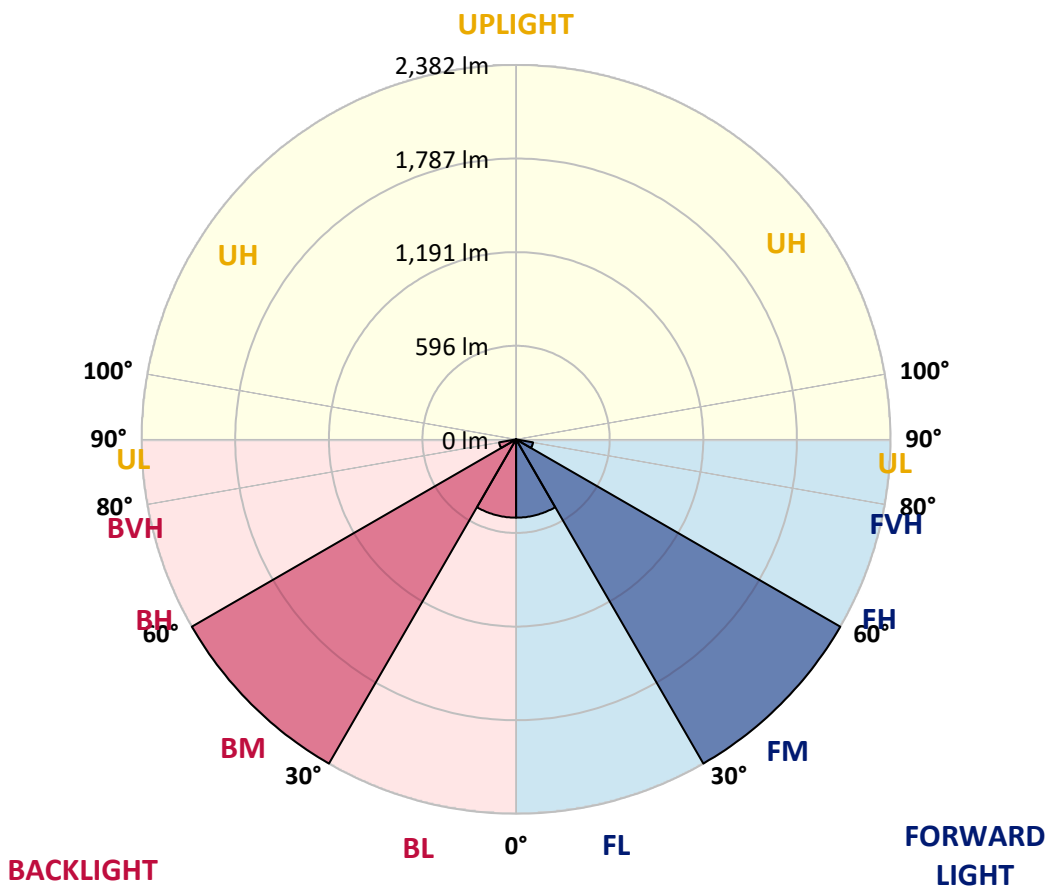
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.3	8.3			
FM (30°-60°)	2382.3	39.8			
FH (60°-80°)	109.7	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	498.3	8.3	B1/500		
BM (30°-60°)	2382.3	39.8	B2/2500		
BH (60°-80°)	109.7	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°	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0
2.5°	965.2	965.2	967.7	969.5	969.5	974.4	972.5	970.7	970.7	968.3	973.1
5°	979.2	978.6	981.1	982.3	979.8	984.7	981.7	979.8	978.6	976.2	981.1
7.5°	994.5	995.1	995.7	998.1	996.9	1001.8	999.3	995.7	994.5	990.8	995.7
10°	1012.7	1012.7	1014.0	1017.0	1017.6	1023.7	1021.3	1017.0	1013.4	1009.7	1014.6
12.5°	1035.9	1036.5	1038.3	1042.6	1045.0	1051.7	1048.1	1039.6	1034.1	1029.8	1035.3
15°	1069.4	1068.8	1071.2	1077.3	1080.4	1085.3	1079.8	1068.2	1061.5	1056.6	1060.3
17.5°	1106.0	1106.0	1107.2	1113.3	1117.6	1124.9	1118.2	1104.1	1098.1	1091.4	1095.0
20°	1146.2	1148.0	1149.2	1153.5	1160.8	1168.1	1162.6	1148.6	1141.9	1133.4	1137.7
22.5°	1199.2	1197.4	1198.0	1205.3	1215.7	1223.0	1218.7	1202.3	1190.7	1184.0	1186.4
25°	1258.3	1257.7	1259.5	1270.5	1282.1	1290.0	1283.9	1262.6	1251.0	1239.4	1244.3
27.5°	1330.8	1331.4	1332.7	1346.1	1364.3	1375.9	1360.7	1339.4	1323.5	1308.3	1311.9
30°	1416.7	1415.5	1419.2	1437.5	1464.3	1482.6	1464.9	1435.0	1412.5	1397.9	1399.7
32.5°	1508.2	1509.4	1519.1	1548.4	1583.7	1616.0	1580.1	1540.4	1511.2	1483.8	1487.4
35°	1606.9	1609.9	1631.8	1675.1	1733.0	1776.3	1726.3	1661.1	1619.7	1584.3	1585.5
37.5°	1723.3	1730.6	1761.0	1825.6	1908.5	1966.4	1893.3	1806.7	1753.1	1709.2	1706.2
40°	1876.2	1884.7	1926.2	2002.9	2103.5	2156.5	2071.8	1982.8	1916.4	1868.9	1861.6
42.5°	2051.7	2062.7	2107.8	2186.4	2286.9	2322.9	2240.0	2165.0	2105.3	2049.3	2046.8
45°	2249.7	2255.8	2292.4	2352.7	2425.2	2433.8	2371.6	2330.2	2269.8	2217.4	2213.2
47.5°	2435.6	2441.7	2466.7	2497.7	2514.8	2484.3	2473.4	2455.1	2377.1	2312.5	2299.1
50°	2577.0	2581.8	2612.9	2625.1	2577.6	2513.0	2534.3	2495.3	2410.6	2338.1	2317.4
52.5°	2567.2	2579.4	2659.2	2728.7	2698.8	2646.4	2589.1	2505.1	2373.4	2274.1	2248.5
55°	2210.1	2226.6	2397.8	2626.3	2830.4	2853.0	2623.9	2352.7	2105.3	1959.7	1933.5
57.5°	1420.4	1424.7	1633.7	1954.2	2414.3	2559.3	2176.0	1773.8	1466.1	1305.8	1294.9
60°	522.2	513.7	671.5	937.2	1390.5	1544.1	1280.9	897.0	639.8	526.5	517.3
62.5°	125.5	126.7	157.2	235.8	436.3	539.9	426.5	238.3	151.7	127.4	126.1
65°	63.4	62.2	62.8	67.6	93.2	111.5	91.4	64.6	62.2	62.8	62.2
67.5°	40.8	40.2	41.4	42.0	41.4	39.0	38.4	39.6	39.6	40.2	39.0
70°	25.0	24.4	25.6	27.4	26.2	23.2	24.4	25.6	24.4	23.8	23.8
72.5°	13.4	13.4	14.6	15.8	14.6	13.4	13.4	14.0	13.4	13.4	13.4
75°	6.1	6.1	6.7	7.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1
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)