

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: P630426

Luminaire Tested: GWS-SA1D-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630426
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-SA1D-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: 4304.9 lumens
Efficiency: N/A
Efficacy: 97.2 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

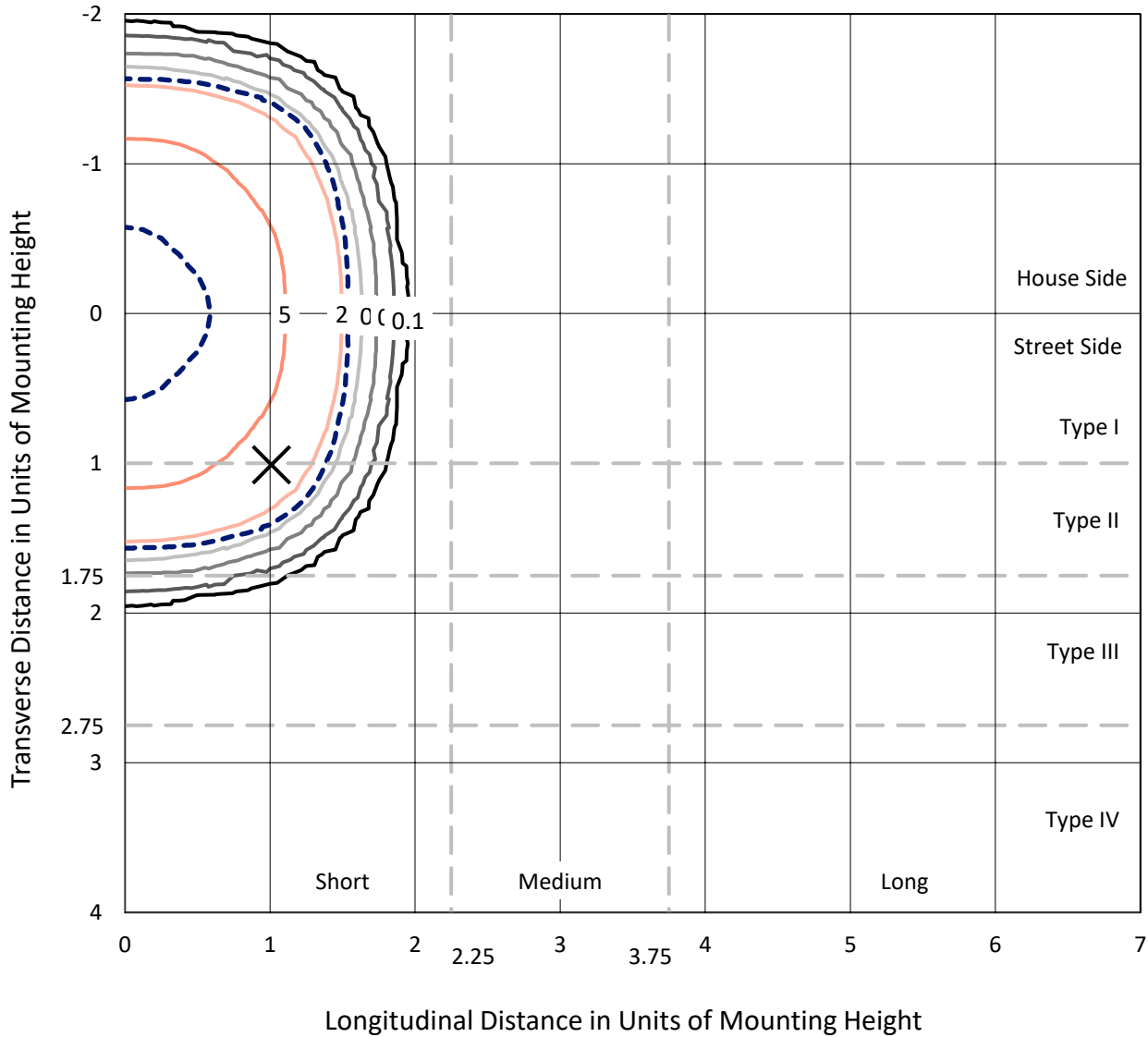
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

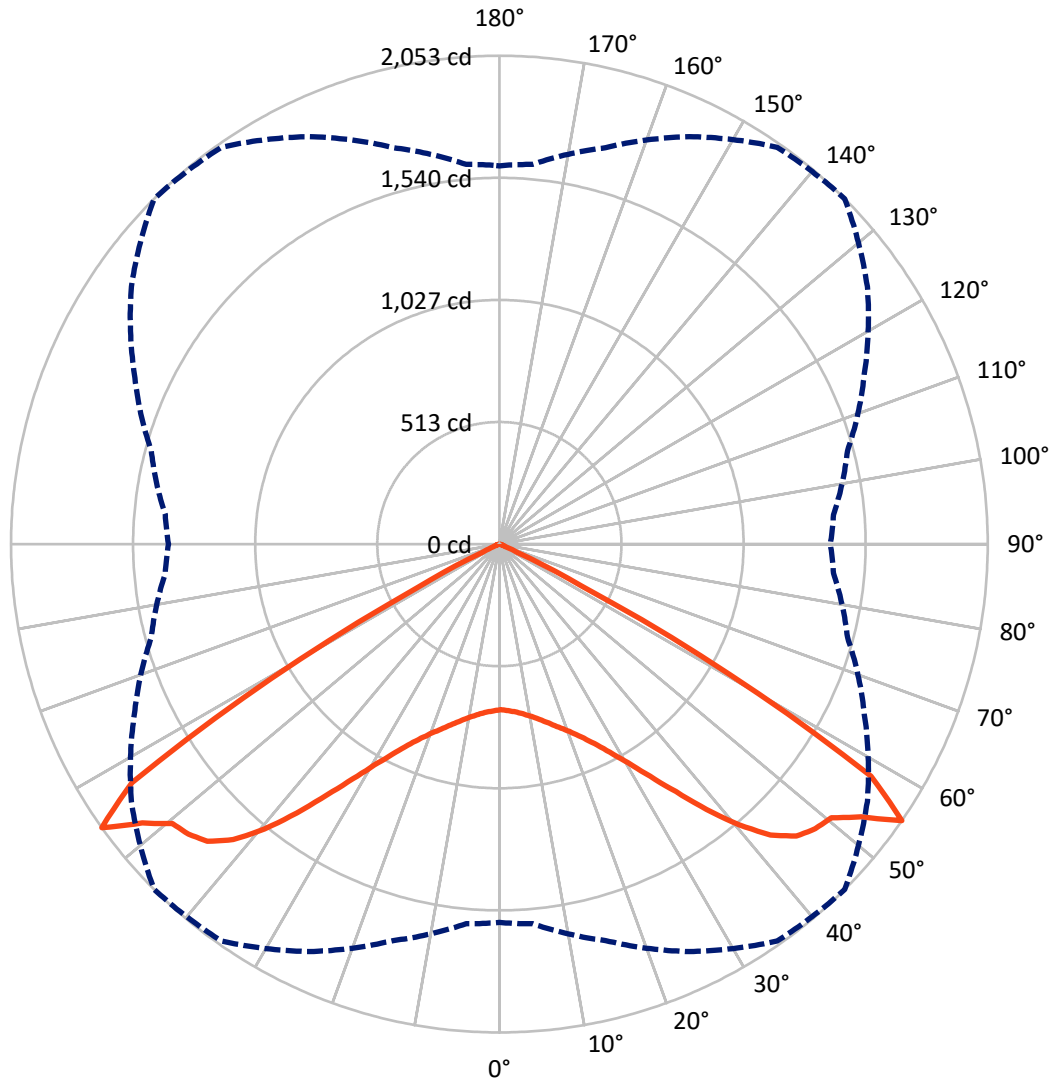
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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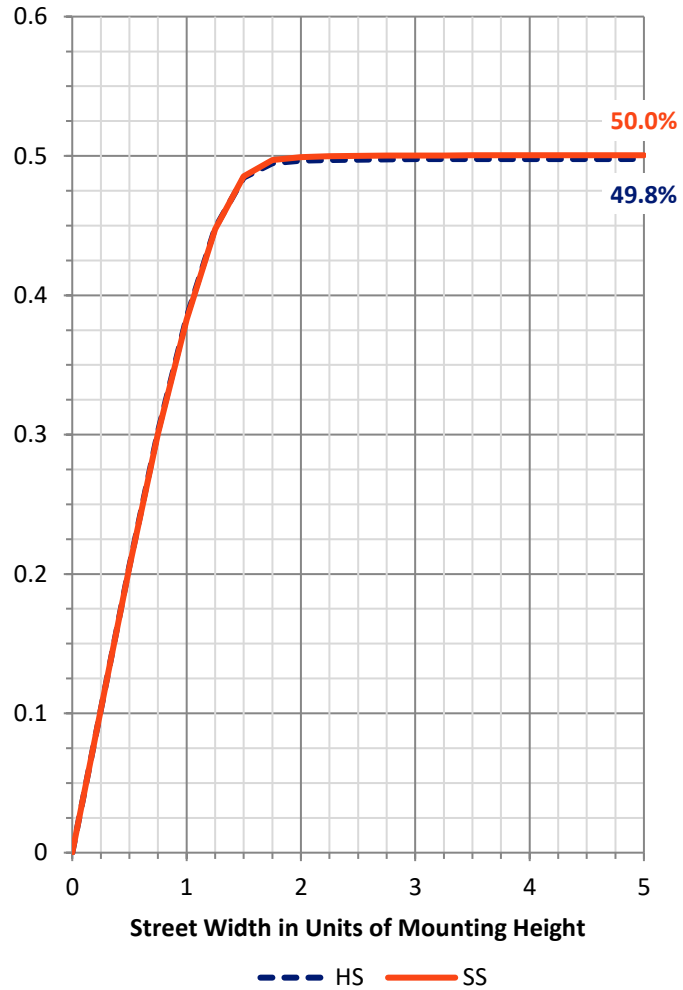
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2152.4	0.0	2152.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2152.4	0.0	2152.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4304.9	0.0	4304.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	1.6
10°-20°	221.1	5.1
20°-30°	428.1	9.9
30°-40°	767.0	17.8
40°-50°	1285.9	29.9
50°-60°	1376.5	32.0
60°-70°	151.3	3.5
70°-80°	6.7	0.2
80°-90°	0.3	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°	4304.9	100.0
0°-180°	4304.9	100.0

Coefficient of Utilization



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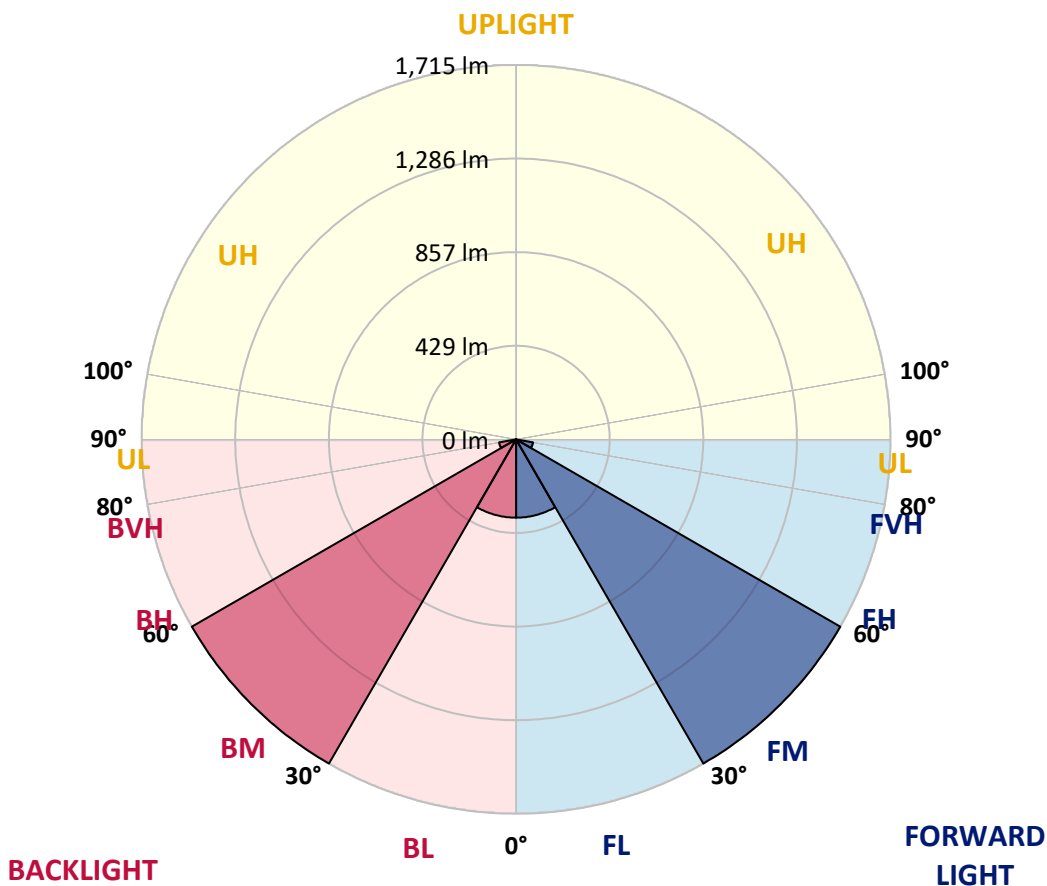
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.7	8.3			
FM (30°-60°)	1714.7	39.8			
FH (60°-80°)	79.0	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	358.7	8.3	B1/500		
BM (30°-60°)	1714.7	39.8	B2/2500		
BH (60°-80°)	79.0	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	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°	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0	696.0
2.5°	694.7	694.7	696.5	697.8	697.8	701.3	700.0	698.7	698.7	696.9	700.4
5°	704.8	704.4	706.1	707.0	705.2	708.7	706.5	705.2	704.4	702.6	706.1
7.5°	715.8	716.2	716.6	718.4	717.5	721.0	719.3	716.6	715.8	713.1	716.6
10°	728.9	728.9	729.8	732.0	732.4	736.8	735.1	732.0	729.4	726.7	730.2
12.5°	745.6	746.0	747.3	750.4	752.2	757.0	754.3	748.2	744.3	741.2	745.1
15°	769.7	769.3	771.0	775.4	777.6	781.1	777.2	768.8	764.0	760.5	763.1
17.5°	796.0	796.0	796.9	801.3	804.3	809.6	804.8	794.7	790.3	785.5	788.1
20°	825.0	826.3	827.2	830.2	835.5	840.7	836.8	826.7	821.9	815.8	818.8
22.5°	863.1	861.8	862.2	867.5	875.0	880.2	877.2	865.3	857.0	852.2	853.9
25°	905.7	905.2	906.5	914.4	922.8	928.5	924.1	908.7	900.4	892.1	895.6
27.5°	957.8	958.3	959.2	968.8	982.0	990.3	979.3	964.0	952.6	941.6	944.3
30°	1019.7	1018.8	1021.4	1034.6	1053.9	1067.1	1054.3	1032.8	1016.6	1006.1	1007.4
32.5°	1085.5	1086.4	1093.4	1114.4	1139.9	1163.1	1137.2	1108.7	1087.7	1067.9	1070.6
35°	1156.5	1158.7	1174.5	1205.6	1247.3	1278.4	1242.5	1195.6	1165.7	1140.3	1141.2
37.5°	1240.3	1245.6	1267.5	1314.0	1373.6	1415.3	1362.7	1300.4	1261.8	1230.2	1228.0
40°	1350.4	1356.5	1386.3	1441.6	1514.0	1552.1	1491.2	1427.1	1379.3	1345.1	1339.8
42.5°	1476.7	1484.6	1517.0	1573.6	1646.0	1671.8	1612.2	1558.3	1515.3	1474.9	1473.2
45°	1619.2	1623.6	1649.9	1693.3	1745.5	1751.7	1706.9	1677.1	1633.7	1596.0	1592.9
47.5°	1753.0	1757.4	1775.4	1797.7	1810.0	1788.1	1780.2	1767.0	1710.9	1664.4	1654.7
50°	1854.7	1858.2	1880.6	1889.4	1855.2	1808.7	1824.0	1796.0	1735.0	1682.8	1667.9
52.5°	1847.7	1856.5	1913.9	1963.9	1942.5	1904.7	1863.5	1803.0	1708.3	1636.8	1618.3
55°	1590.7	1602.6	1725.8	1890.3	2037.2	2053.4	1888.5	1693.3	1515.3	1410.5	1391.6
57.5°	1022.3	1025.4	1175.8	1406.5	1737.6	1842.0	1566.2	1276.7	1055.2	939.9	932.0
60°	375.9	369.7	483.3	674.5	1000.8	1111.4	921.9	645.6	460.5	378.9	372.4
62.5°	90.3	91.2	113.2	169.7	314.0	388.6	307.0	171.5	109.2	91.7	90.8
65°	45.6	44.7	45.2	48.7	67.1	80.3	65.8	46.5	44.7	45.2	44.7
67.5°	29.4	28.9	29.8	30.3	29.8	28.1	27.6	28.5	28.5	28.9	28.1
70°	18.0	17.5	18.4	19.7	18.9	16.7	17.5	18.4	17.5	17.1	17.1
72.5°	9.6	9.6	10.5	11.4	10.5	9.6	9.6	10.1	9.6	9.6	9.6
75°	4.4	4.4	4.8	5.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	1.3	1.3	1.8	1.8	1.3	1.3	1.3	1.3	1.8	1.8	1.8
80°	0.4	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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)