

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: P630373

Luminaire Tested: GWS-SA1D-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6483.1 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

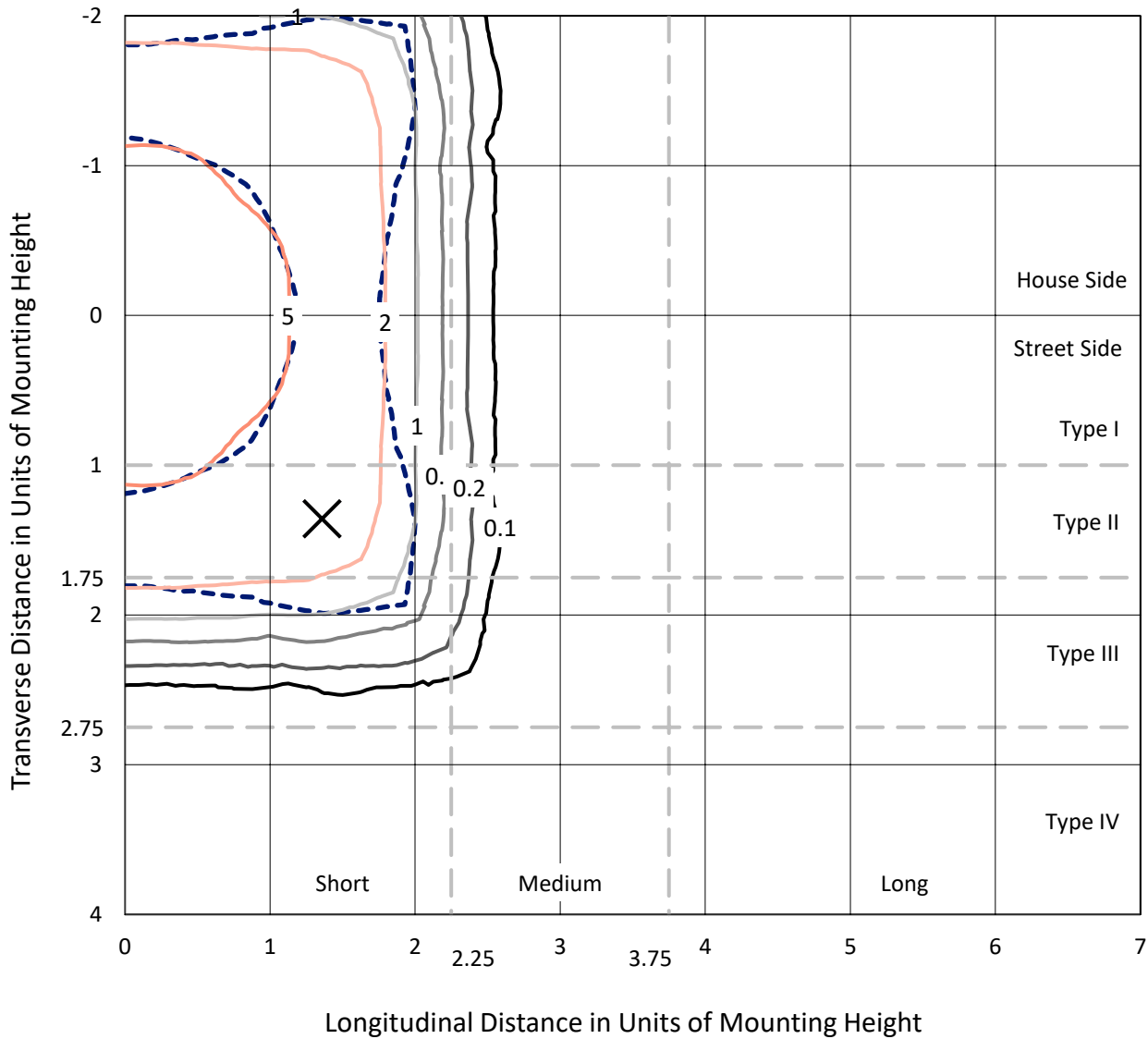
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

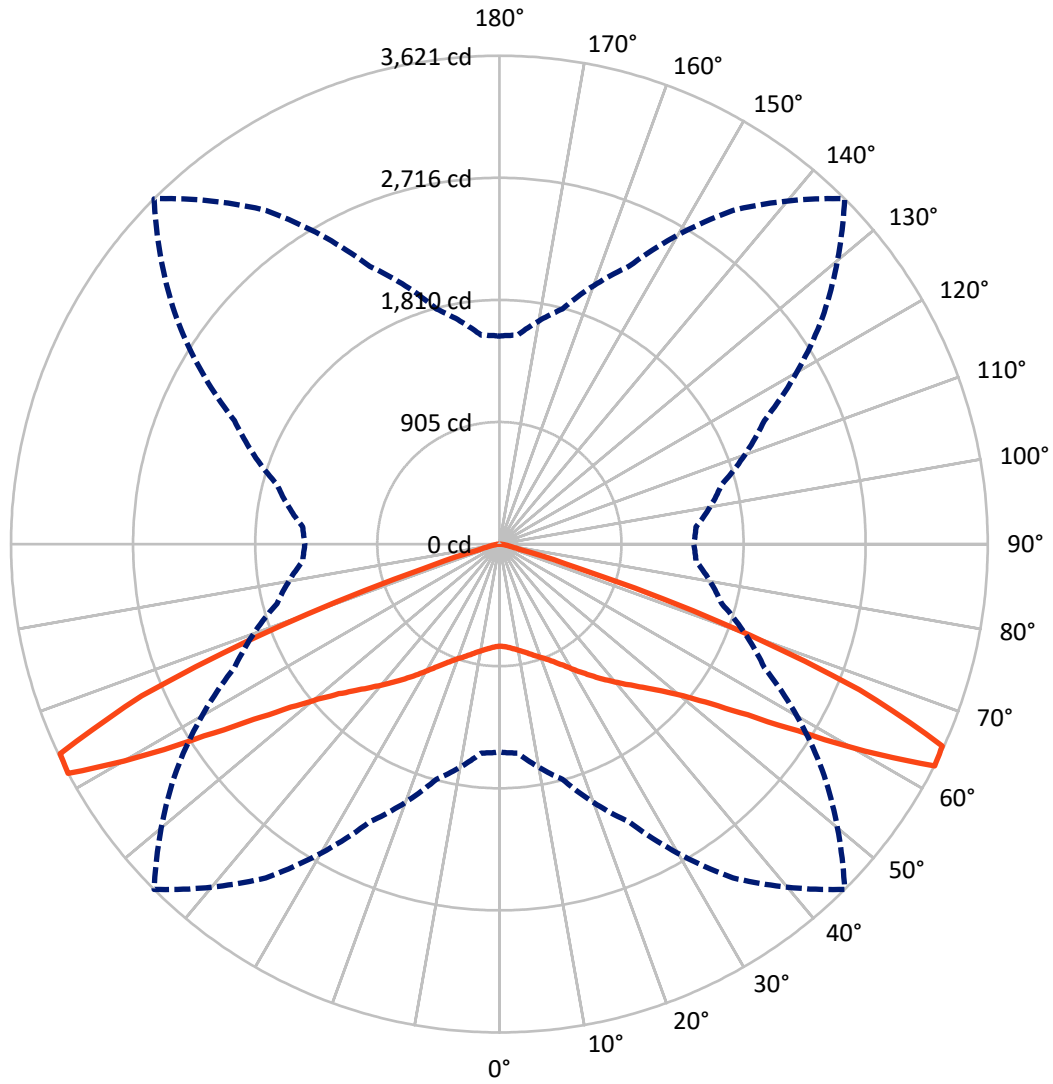
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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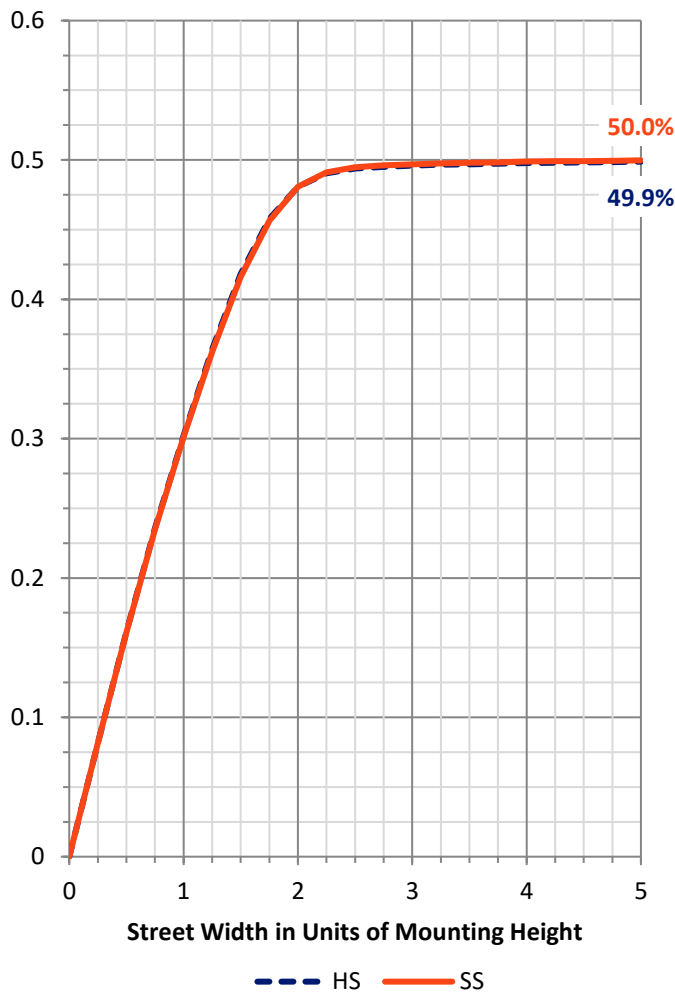
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3241.5	0.0	3241.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3241.5	0.0	3241.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6483.1	0.0	6483.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.1
10°-20°	239.3	3.7
20°-30°	452.7	7.0
30°-40°	762.0	11.8
40°-50°	1217.5	18.8
50°-60°	1962.5	30.3
60°-70°	1601.2	24.7
70°-80°	155.5	2.4
80°-90°	18.1	0.3
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°	6483.1	100.0
0°-180°	6483.1	100.0

Coefficient of Utilization



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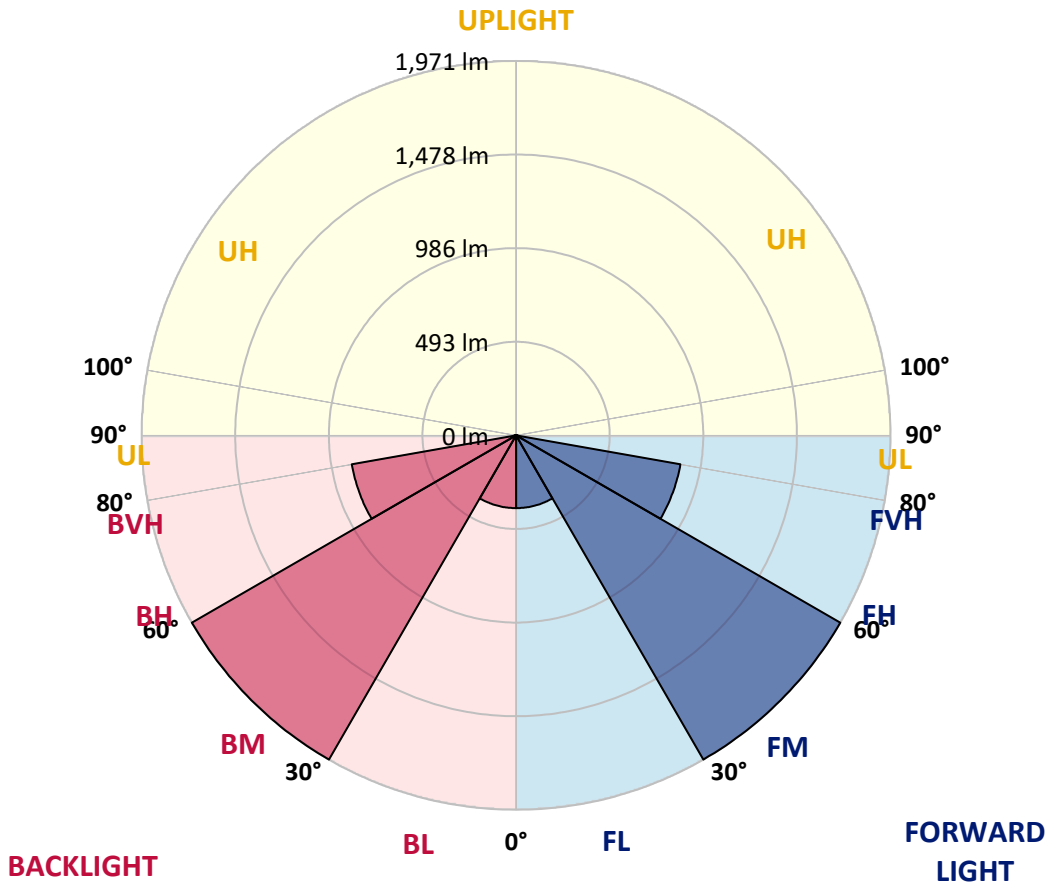
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.1	5.9			
FM (30°-60°)	1971.0	30.4			
FH (60°-80°)	878.3	13.5			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	383.1	5.9	B1/500		
BM (30°-60°)	1971.0	30.4	B2/2500		
BH (60°-80°)	878.3	13.5	B2/1000		G1/1800
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3
2.5°	755.5	755.5	757.2	758.6	757.7	761.2	760.8	759.9	759.5	758.1	762.1
5°	765.7	765.7	767.0	768.3	766.1	770.6	768.8	767.9	767.5	765.7	769.2
7.5°	777.2	778.6	779.0	781.2	779.9	784.8	783.5	781.7	780.8	778.6	781.7
10°	790.1	791.0	791.5	795.5	795.9	801.7	800.4	798.1	796.4	794.1	798.6
12.5°	807.5	807.9	809.3	814.1	815.5	819.9	819.5	816.4	814.1	811.0	815.9
15°	829.7	830.2	832.4	837.3	839.5	844.8	843.0	838.2	835.0	831.5	835.5
17.5°	852.8	854.6	856.8	861.7	864.8	871.1	868.8	863.5	860.8	857.3	859.9
20°	882.6	883.1	884.4	889.7	892.0	899.1	899.5	894.2	892.8	889.3	893.3
22.5°	915.5	916.0	917.3	923.1	927.1	931.5	934.2	931.1	928.9	924.4	929.3
25°	952.0	956.4	957.8	964.9	969.3	972.0	975.1	973.8	970.7	965.3	967.5
27.5°	1003.1	1004.0	1006.2	1014.2	1016.9	1019.6	1022.7	1023.1	1018.7	1012.5	1015.6
30°	1061.4	1060.9	1065.8	1072.0	1074.3	1076.5	1080.9	1083.6	1077.8	1071.1	1074.3
32.5°	1120.9	1126.3	1132.5	1138.3	1137.0	1137.8	1145.0	1149.9	1141.8	1129.8	1132.5
35°	1188.1	1191.6	1199.7	1208.1	1206.3	1205.0	1209.4	1214.3	1203.2	1187.6	1191.6
37.5°	1257.0	1262.3	1274.4	1284.6	1281.9	1275.7	1280.6	1285.9	1275.2	1257.5	1255.7
40°	1333.9	1342.4	1359.7	1368.2	1361.1	1349.1	1357.5	1370.4	1359.7	1339.3	1334.4
42.5°	1424.2	1434.4	1451.8	1464.7	1449.1	1429.5	1443.8	1462.4	1459.8	1432.6	1424.2
45°	1535.8	1542.5	1563.8	1570.0	1546.9	1519.8	1545.6	1574.0	1567.4	1538.0	1526.9
47.5°	1657.2	1667.4	1686.1	1697.7	1660.3	1626.5	1662.5	1700.8	1693.7	1666.1	1653.2
50°	1811.9	1825.3	1849.7	1859.5	1807.9	1769.2	1815.5	1864.0	1850.2	1813.3	1796.4
52.5°	1980.4	1991.1	2032.9	2052.5	2004.0	1962.2	2002.7	2050.3	2020.9	1972.0	1949.3
55°	2129.0	2139.6	2201.0	2265.9	2263.7	2234.8	2255.2	2256.1	2176.5	2095.6	2071.6
57.5°	2161.0	2171.6	2288.6	2458.4	2578.5	2611.8	2551.8	2425.5	2225.0	2083.2	2056.0
60°	1990.2	2002.2	2188.1	2498.5	2893.3	3116.1	2839.5	2422.0	2075.2	1883.1	1857.3
62.5°	1542.0	1554.9	1804.8	2270.8	3020.5	3620.7	2923.1	2167.2	1707.0	1463.8	1441.1
65°	736.3	736.3	1053.8	1628.7	2767.0	3608.7	2681.2	1603.4	1027.6	789.2	769.7
67.5°	182.3	183.2	271.2	634.1	1882.2	2880.0	1912.9	769.7	361.9	256.1	249.4
70°	113.8	113.4	125.8	171.6	658.5	1747.9	782.1	232.1	147.2	129.8	128.9
72.5°	88.5	88.5	94.7	109.8	172.5	595.4	228.1	128.9	106.7	96.0	96.0
75°	69.8	69.8	74.3	82.3	101.8	153.4	121.4	95.6	82.7	75.6	74.7
77.5°	52.0	52.9	56.5	61.8	69.4	86.3	76.9	72.0	64.5	59.1	57.4
80°	33.8	35.1	39.6	42.7	45.4	56.9	50.2	52.5	48.9	42.7	41.8
82.5°	18.2	18.7	24.0	24.9	25.8	31.1	32.0	33.3	34.7	27.1	25.3
85°	6.7	6.7	8.0	9.3	10.2	11.1	15.1	18.7	19.6	15.6	15.1
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.7	4.9	8.0	6.2	6.2
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)