

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: P630371

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630371
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4364.7 lumens
Efficiency: N/A
Efficacy: 98.5 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

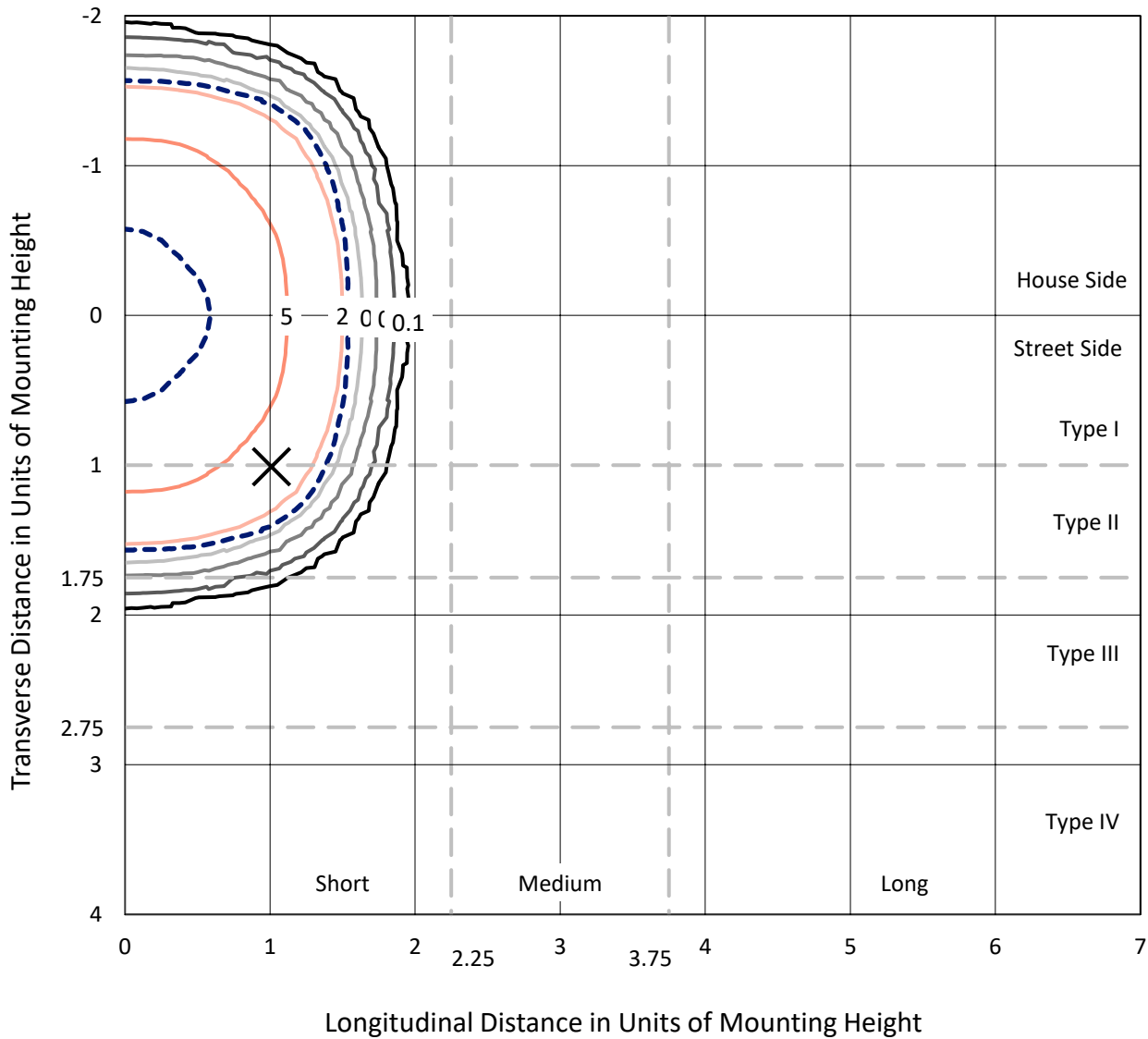
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

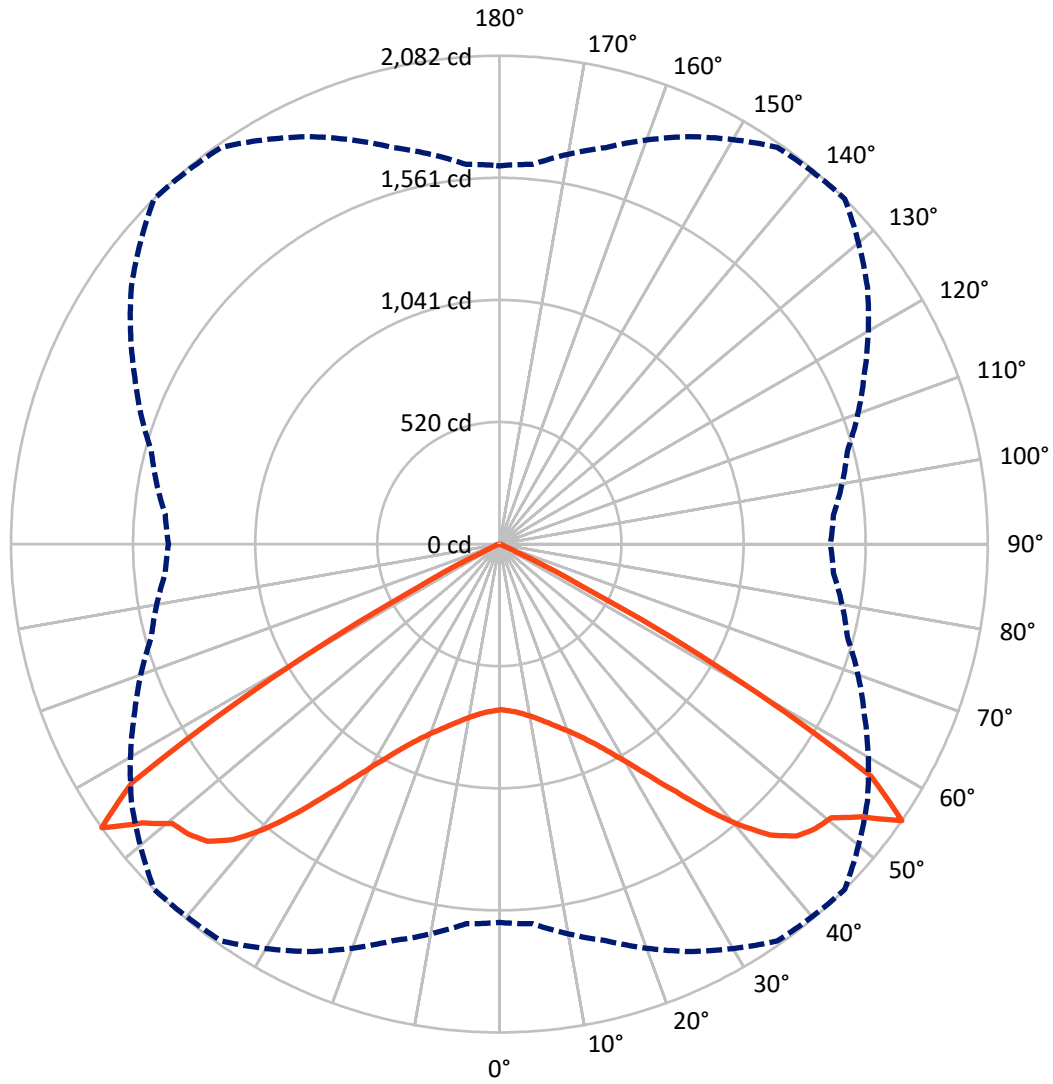
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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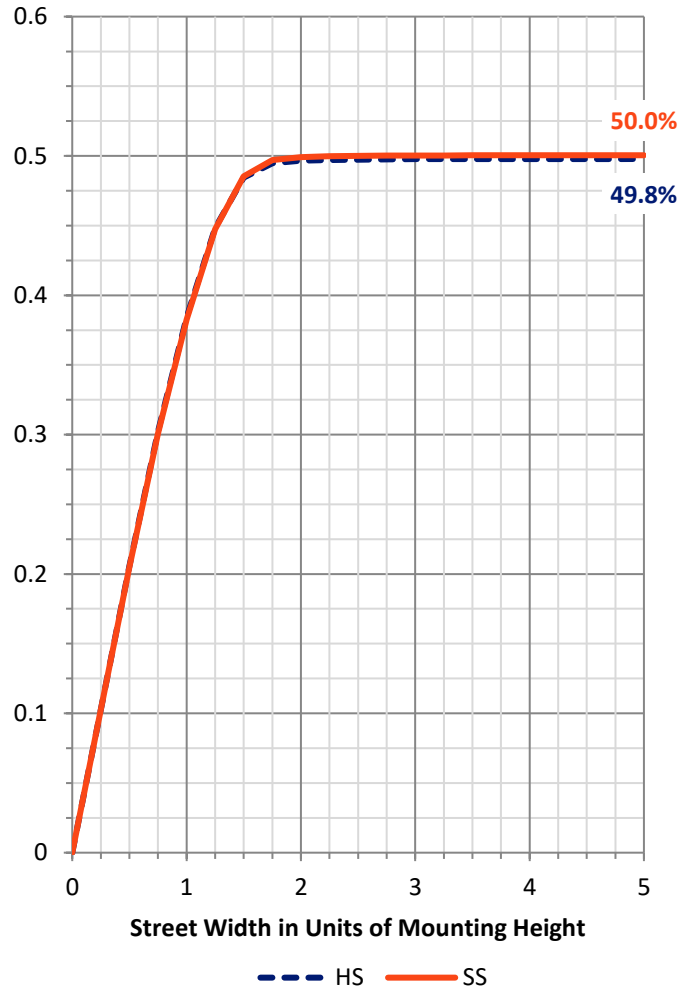
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.3	0.0	2182.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2182.3	0.0	2182.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4364.7	0.0	4364.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.6
10°-20°	224.1	5.1
20°-30°	434.1	9.9
30°-40°	777.6	17.8
40°-50°	1303.7	29.9
50°-60°	1395.6	32.0
60°-70°	153.4	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°	4364.7	100.0
0°-180°	4364.7	100.0

Coefficient of Utilization



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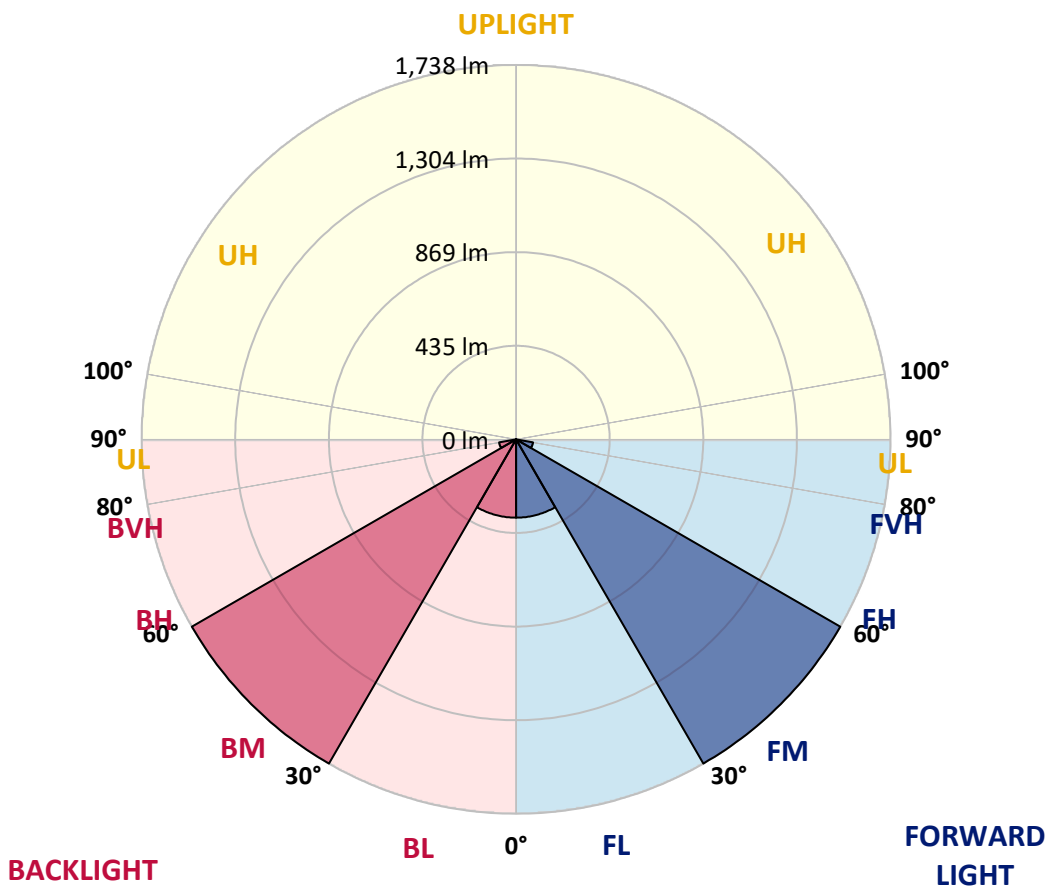
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.7	8.3			
FM (30°-60°)	1738.5	39.8			
FH (60°-80°)	80.0	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	363.7	8.3	B1/500		
BM (30°-60°)	1738.5	39.8	B2/2500		
BH (60°-80°)	80.0	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°	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7
2.5°	704.4	704.4	706.1	707.5	707.5	711.0	709.7	708.4	708.4	706.6	710.1
5°	714.6	714.1	715.9	716.8	715.0	718.6	716.4	715.0	714.1	712.4	715.9
7.5°	725.7	726.1	726.6	728.4	727.5	731.0	729.3	726.6	725.7	723.0	726.6
10°	739.0	739.0	739.9	742.2	742.6	747.0	745.3	742.2	739.5	736.8	740.4
12.5°	755.9	756.4	757.7	760.8	762.6	767.5	764.8	758.6	754.6	751.5	755.5
15°	780.4	779.9	781.7	786.2	788.4	792.0	788.0	779.5	774.6	771.1	773.7
17.5°	807.1	807.1	808.0	812.4	815.5	820.9	816.0	805.7	801.3	796.4	799.1
20°	836.4	837.8	838.6	841.8	847.1	852.4	848.4	838.2	833.3	827.1	830.2
22.5°	875.1	873.8	874.2	879.6	887.1	892.4	889.3	877.3	868.9	864.0	865.8
25°	918.2	917.8	919.1	927.1	935.6	941.4	936.9	921.4	912.9	904.5	908.0
27.5°	971.2	971.6	972.5	982.3	995.6	1004.1	992.9	977.4	965.8	954.7	957.4
30°	1033.9	1033.0	1035.6	1049.0	1068.5	1081.9	1069.0	1047.2	1030.7	1020.1	1021.4
32.5°	1100.6	1101.4	1108.6	1129.9	1155.7	1179.3	1153.0	1124.1	1102.8	1082.8	1085.4
35°	1172.6	1174.8	1190.8	1222.4	1264.6	1296.2	1259.7	1212.2	1181.9	1156.1	1157.0
37.5°	1257.5	1262.9	1285.1	1332.2	1392.7	1434.9	1381.6	1318.4	1279.3	1247.3	1245.1
40°	1369.1	1375.4	1405.6	1461.6	1535.0	1573.7	1511.9	1446.9	1398.5	1363.8	1358.5
42.5°	1497.2	1505.2	1538.1	1595.5	1668.8	1695.1	1634.6	1579.9	1536.3	1495.4	1493.6
45°	1641.7	1646.2	1672.8	1716.9	1769.8	1776.0	1730.6	1700.4	1656.4	1618.1	1615.0
47.5°	1777.3	1781.8	1800.0	1822.7	1835.1	1812.9	1804.9	1791.6	1734.6	1687.5	1677.7
50°	1880.5	1884.1	1906.7	1915.6	1880.9	1833.8	1849.4	1820.9	1759.1	1706.2	1691.1
52.5°	1873.4	1882.3	1940.5	1991.2	1969.4	1931.2	1889.4	1828.0	1732.0	1659.5	1640.8
55°	1612.8	1624.8	1749.8	1916.5	2065.5	2081.9	1914.7	1716.9	1536.3	1430.1	1410.9
57.5°	1036.5	1039.6	1192.2	1426.0	1761.8	1867.6	1587.9	1294.4	1069.9	952.9	944.9
60°	381.1	374.9	490.0	683.9	1014.7	1126.8	934.7	654.6	466.9	384.2	377.5
62.5°	91.6	92.5	114.7	172.1	318.4	394.0	311.3	173.9	110.7	92.9	92.0
65°	46.2	45.4	45.8	49.4	68.0	81.4	66.7	47.1	45.4	45.8	45.4
67.5°	29.8	29.3	30.2	30.7	30.2	28.5	28.0	28.9	28.9	29.3	28.5
70°	18.2	17.8	18.7	20.0	19.1	16.9	17.8	18.7	17.8	17.3	17.3
72.5°	9.8	9.8	10.7	11.6	10.7	9.8	9.8	10.2	9.8	9.8	9.8
75°	4.4	4.4	4.9	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)