

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: P630811

Luminaire Tested: GWS-SA1E-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630811
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-SA1E-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5332.2 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

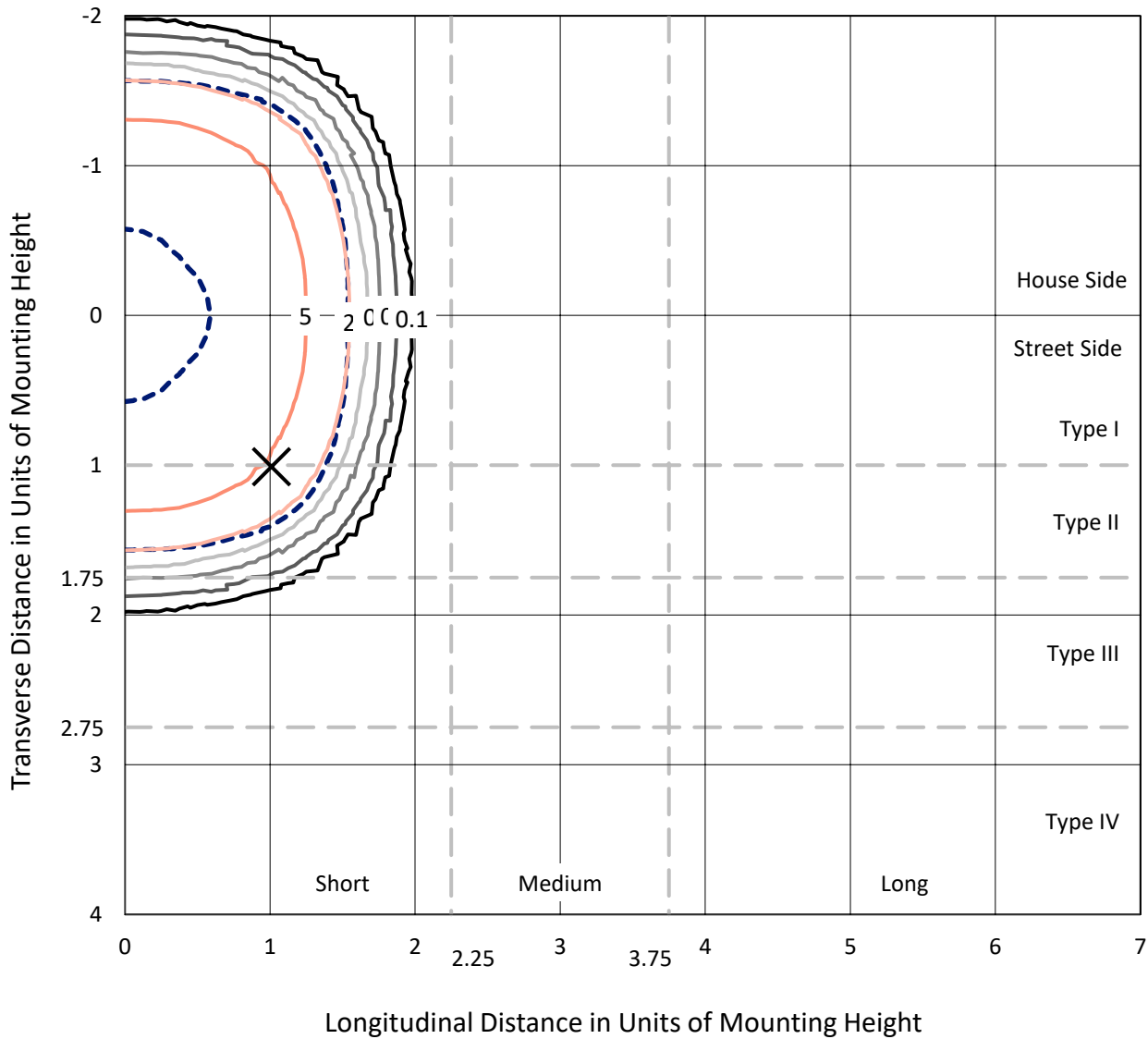
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

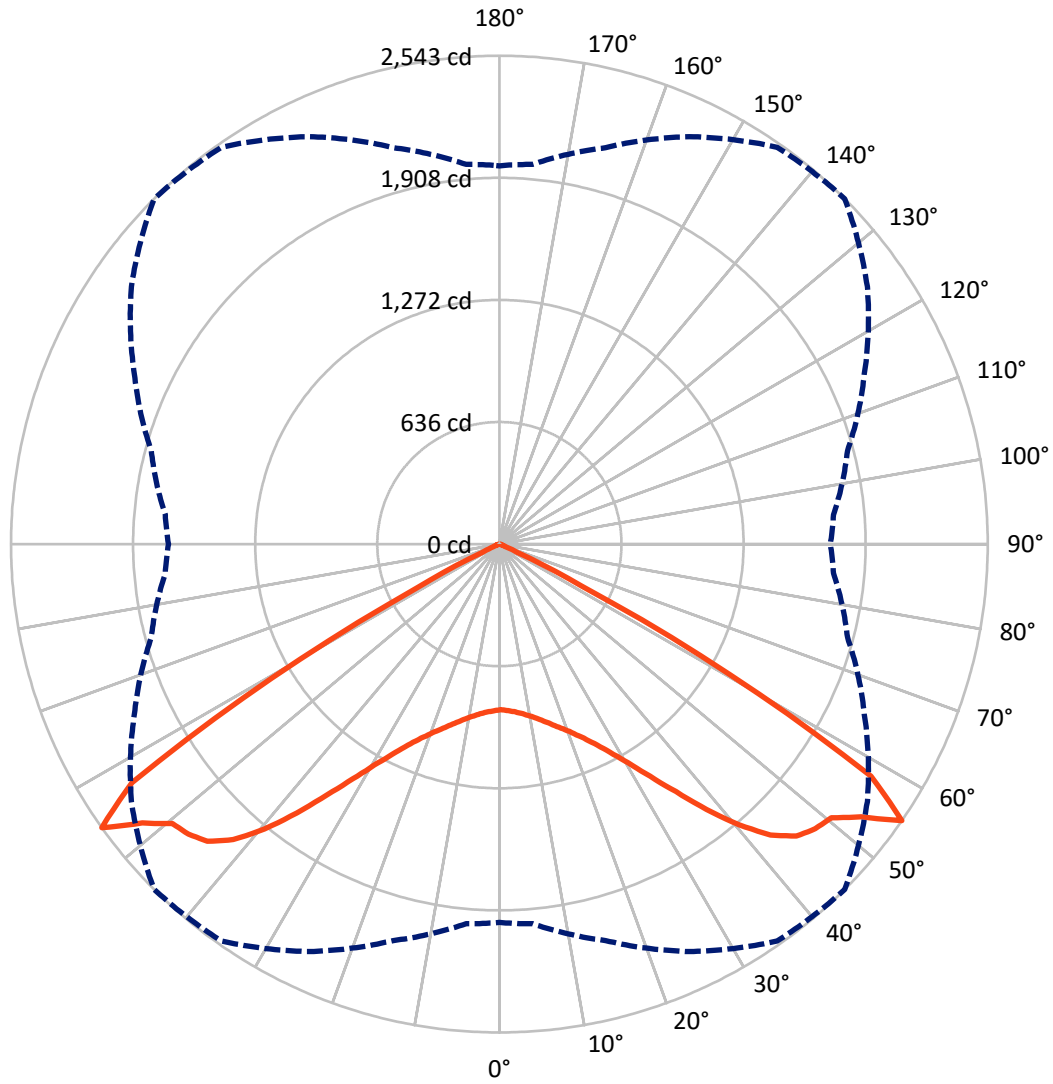
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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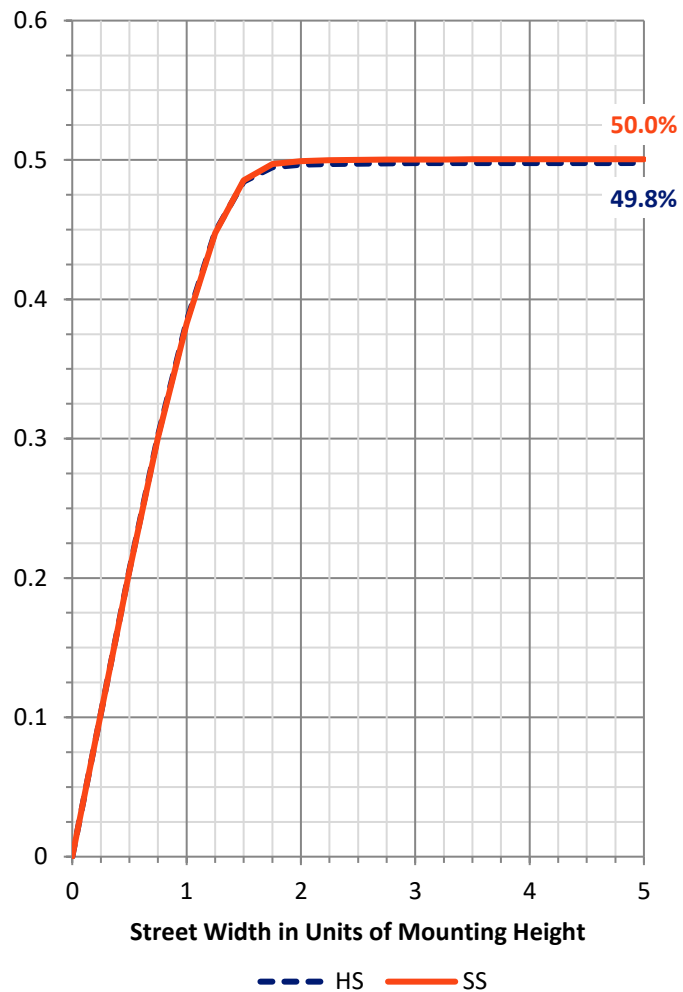
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2666.1	0.0	2666.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2666.1	0.0	2666.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5332.2	0.0	5332.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.6
10°-20°	273.8	5.1
20°-30°	530.3	9.9
30°-40°	950.0	17.8
40°-50°	1592.7	29.9
50°-60°	1704.9	32.0
60°-70°	187.4	3.5
70°-80°	8.2	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°	5332.2	100.0
0°-180°	5332.2	100.0

Coefficient of Utilization



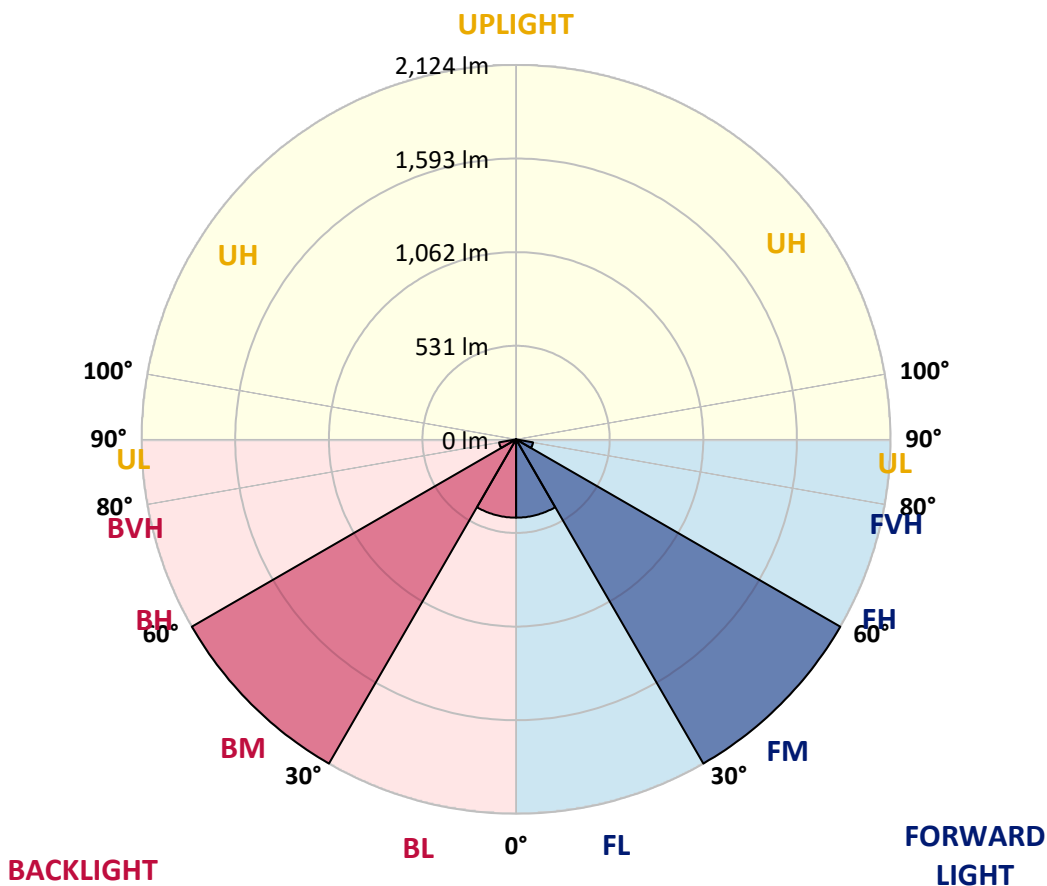
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.3	8.3			
FM (30°-60°)	2123.8	39.8			
FH (60°-80°)	97.8	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	444.3	8.3	B1/500		
BM (30°-60°)	2123.8	39.8	B2/2500		
BH (60°-80°)	97.8	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°	862.1	862.1	862.1	862.1	862.1	862.1	862.1	862.1	862.1	862.1	862.1
2.5°	860.5	860.5	862.7	864.3	864.3	868.6	867.0	865.4	865.4	863.2	867.5
5°	873.0	872.4	874.6	875.7	873.5	877.9	875.2	873.5	872.4	870.3	874.6
7.5°	886.6	887.1	887.6	889.8	888.7	893.1	890.9	887.6	886.6	883.3	887.6
10°	902.9	902.9	903.9	906.7	907.2	912.6	910.5	906.7	903.4	900.1	904.5
12.5°	923.5	924.0	925.7	929.5	931.6	937.6	934.4	926.8	921.9	918.1	923.0
15°	953.4	952.8	955.0	960.4	963.2	967.5	962.6	952.3	946.3	942.0	945.2
17.5°	986.0	986.0	987.1	992.5	996.3	1002.8	996.8	984.3	978.9	972.9	976.2
20°	1021.8	1023.5	1024.5	1028.3	1034.9	1041.4	1036.5	1024.0	1018.0	1010.4	1014.2
22.5°	1069.1	1067.5	1068.0	1074.5	1083.8	1090.3	1086.5	1071.8	1061.5	1055.5	1057.7
25°	1121.8	1121.2	1122.9	1132.6	1143.0	1150.0	1144.6	1125.6	1115.3	1104.9	1109.3
27.5°	1186.4	1187.0	1188.1	1200.0	1216.3	1226.6	1213.0	1194.0	1179.9	1166.3	1169.6
30°	1263.0	1261.9	1265.2	1281.5	1305.4	1321.7	1305.9	1279.3	1259.2	1246.2	1247.8
32.5°	1344.5	1345.6	1354.3	1380.4	1411.9	1440.7	1408.6	1373.3	1347.2	1322.8	1326.0
35°	1432.5	1435.2	1454.8	1493.4	1545.0	1583.5	1539.0	1480.9	1443.9	1412.4	1413.5
37.5°	1536.3	1542.8	1569.9	1627.5	1701.4	1753.0	1687.8	1610.7	1562.9	1523.8	1521.1
40°	1672.6	1680.2	1717.2	1785.6	1875.2	1922.5	1847.0	1767.7	1708.5	1666.1	1659.6
42.5°	1829.1	1838.9	1879.0	1949.1	2038.8	2070.8	1996.9	1930.1	1876.9	1826.9	1824.7
45°	2005.6	2011.1	2043.7	2097.4	2162.1	2169.7	2114.3	2077.3	2023.6	1976.8	1973.0
47.5°	2171.3	2176.7	2199.0	2226.7	2241.9	2214.8	2205.0	2188.7	2119.2	2061.6	2049.6
50°	2297.3	2301.7	2329.4	2340.3	2297.9	2240.3	2259.3	2224.5	2149.0	2084.4	2065.9
52.5°	2288.6	2299.5	2370.7	2432.6	2406.0	2359.3	2308.2	2233.2	2115.9	2027.4	2004.5
55°	1970.3	1985.0	2137.6	2341.3	2523.3	2543.4	2339.2	2097.4	1876.9	1747.0	1723.7
57.5°	1266.3	1270.1	1456.4	1742.2	2152.3	2281.6	1939.9	1581.4	1307.0	1164.2	1154.4
60°	465.6	457.9	598.6	835.5	1239.7	1376.6	1141.9	799.6	570.4	469.4	461.2
62.5°	111.9	113.0	140.2	210.2	389.0	481.3	380.3	212.4	135.3	113.5	112.4
65°	56.5	55.4	56.0	60.3	83.1	99.4	81.5	57.6	55.4	56.0	55.4
67.5°	36.4	35.9	36.9	37.5	36.9	34.8	34.2	35.3	35.3	35.9	34.8
70°	22.3	21.7	22.8	24.4	23.4	20.6	21.7	22.8	21.7	21.2	21.2
72.5°	12.0	12.0	13.0	14.1	13.0	12.0	12.0	12.5	12.0	12.0	12.0
75°	5.4	5.4	6.0	6.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4
77.5°	1.6	1.6	2.2	2.2	1.6	1.6	1.6	1.6	2.2	2.2	2.2
80°	0.5	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
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)