

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: P630756

Luminaire Tested: GWS-SA1E-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630756
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.1 lumens
Efficiency: N/A
Efficacy: 90.1 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

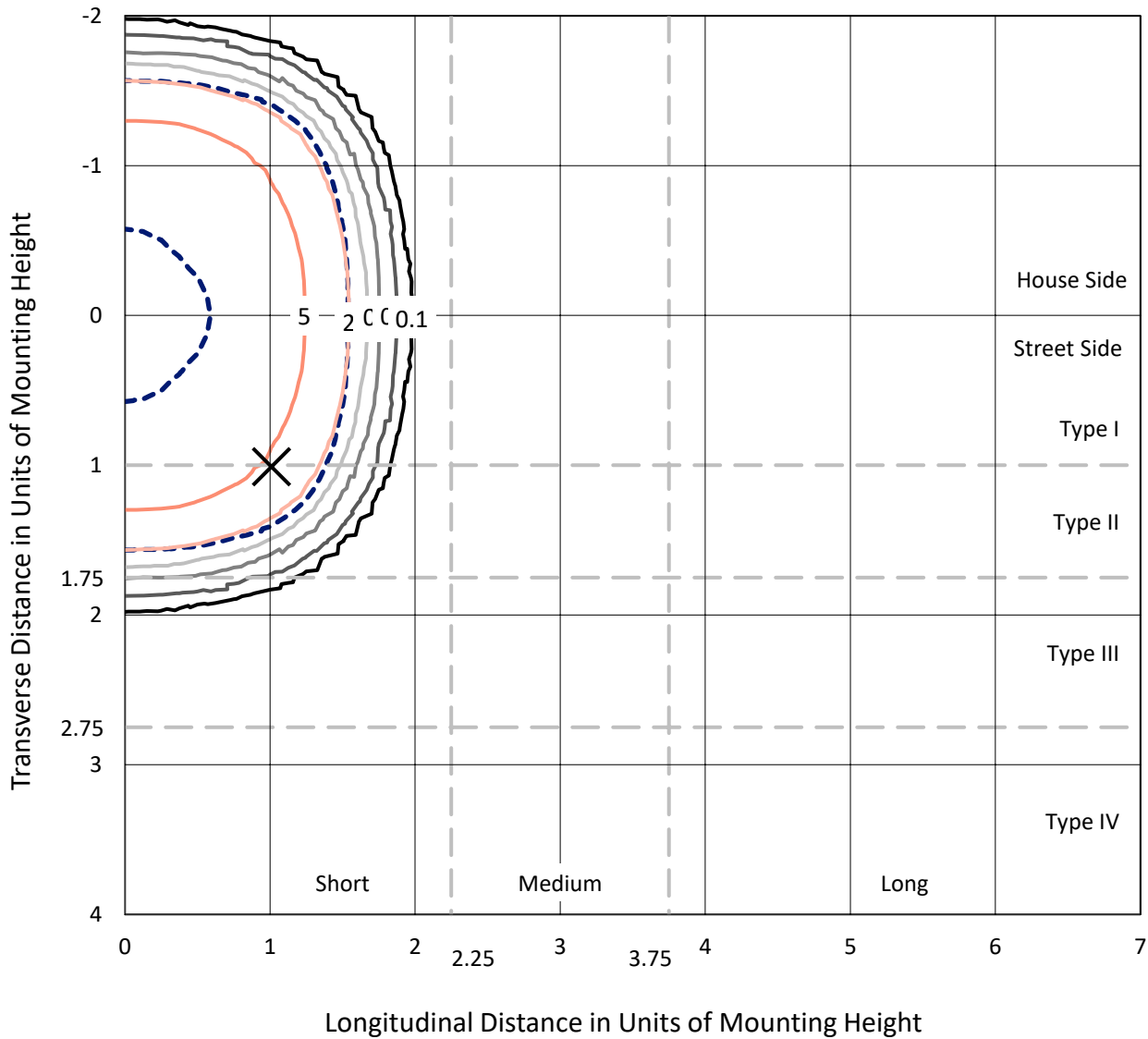
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

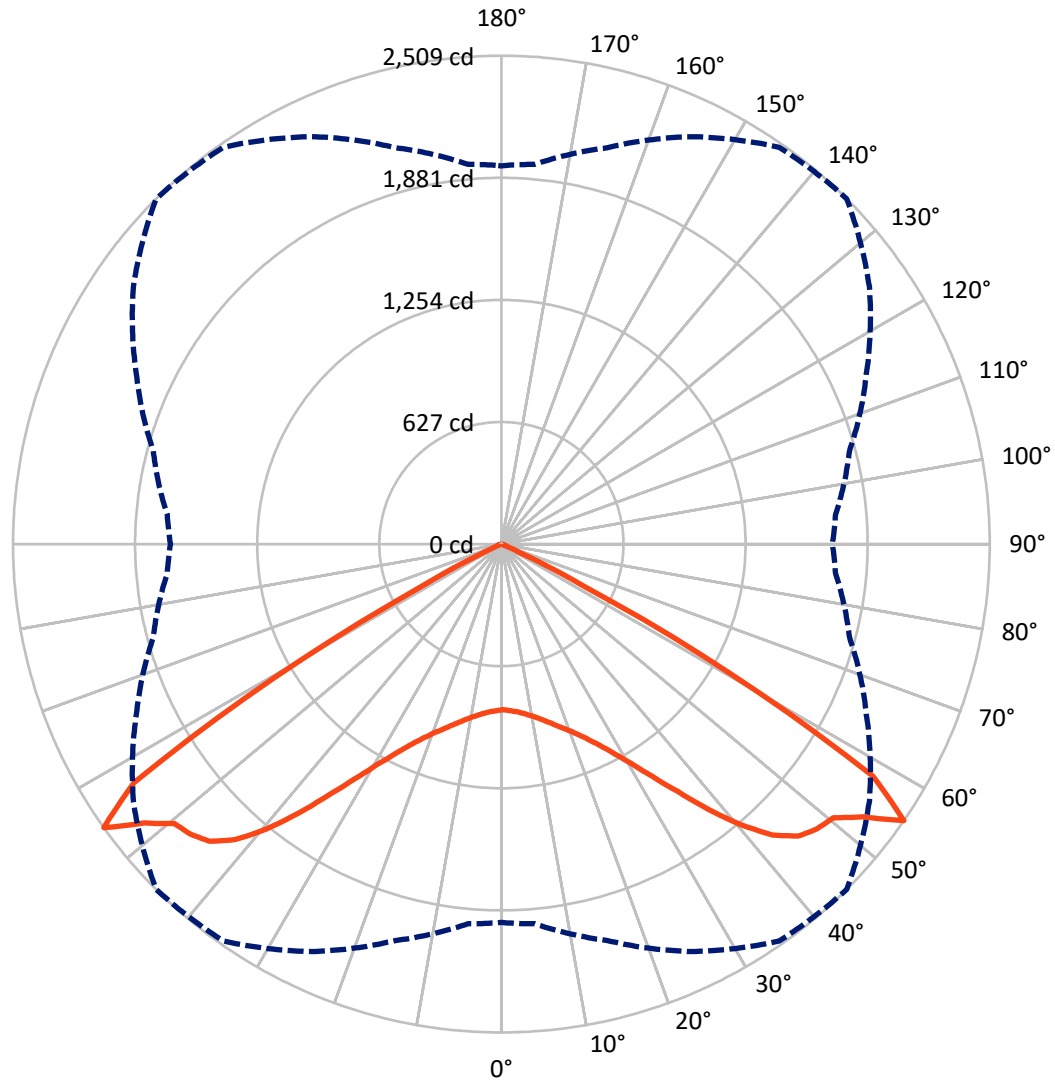
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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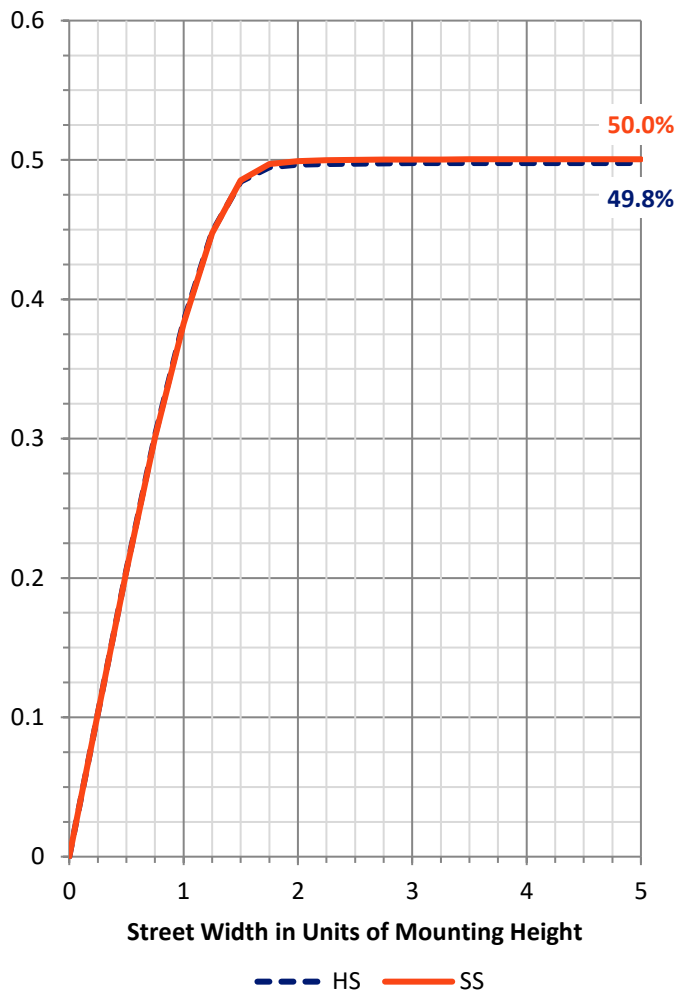
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2629.5	0.0	2629.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2629.5	0.0	2629.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5259.1	0.0	5259.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.6
10°-20°	270.1	5.1
20°-30°	523.0	9.9
30°-40°	937.0	17.8
40°-50°	1570.9	29.9
50°-60°	1681.6	32.0
60°-70°	184.8	3.5
70°-80°	8.1	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°	5259.1	100.0
0°-180°	5259.1	100.0

Coefficient of Utilization



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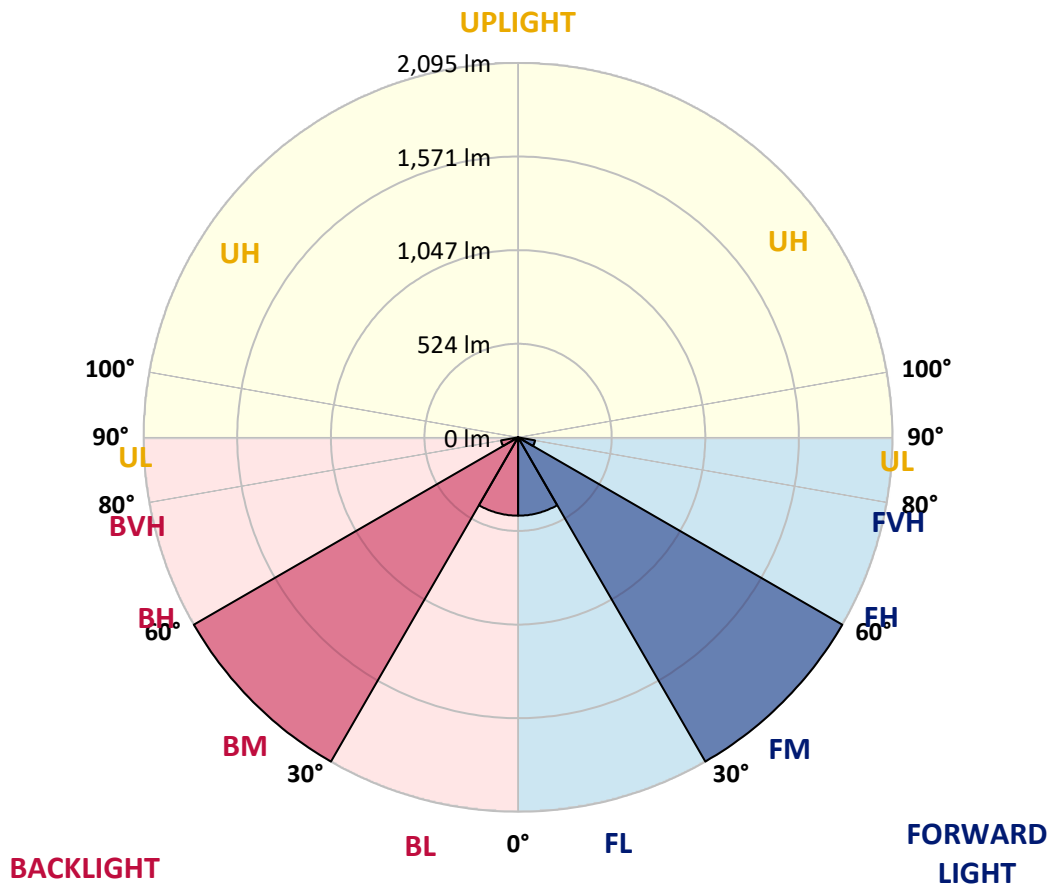
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.2	8.3			
FM (30°-60°)	2094.7	39.8			
FH (60°-80°)	96.5	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	438.2	8.3	B1/500		
BM (30°-60°)	2094.7	39.8	B2/2500		
BH (60°-80°)	96.5	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°	850.3	850.3	850.3	850.3	850.3	850.3	850.3	850.3	850.3	850.3	850.3
2.5°	848.7	848.7	850.8	852.4	852.4	856.7	855.1	853.5	853.5	851.4	855.7
5°	861.0	860.5	862.6	863.7	861.5	865.8	863.2	861.5	860.5	858.3	862.6
7.5°	874.4	874.9	875.5	877.6	876.5	880.8	878.7	875.5	874.4	871.2	875.5
10°	890.5	890.5	891.6	894.2	894.8	900.1	898.0	894.2	891.0	887.8	892.1
12.5°	910.8	911.4	913.0	916.7	918.9	924.8	921.6	914.1	909.2	905.5	910.3
15°	940.3	939.8	941.9	947.3	950.0	954.2	949.4	939.2	933.3	929.1	932.3
17.5°	972.5	972.5	973.5	978.9	982.6	989.1	983.2	970.8	965.5	959.6	962.8
20°	1007.8	1009.4	1010.5	1014.2	1020.7	1027.1	1022.3	1010.0	1004.1	996.6	1000.3
22.5°	1054.4	1052.8	1053.4	1059.8	1068.9	1075.3	1071.6	1057.1	1046.9	1041.0	1043.2
25°	1106.4	1105.9	1107.5	1117.1	1127.3	1134.3	1128.9	1110.2	1100.0	1089.8	1094.1
27.5°	1170.2	1170.7	1171.8	1183.6	1199.6	1209.8	1196.4	1177.7	1163.7	1150.3	1153.6
30°	1245.7	1244.6	1247.8	1263.9	1287.5	1303.6	1288.0	1261.8	1242.0	1229.1	1230.7
32.5°	1326.1	1327.1	1335.7	1361.4	1392.5	1420.9	1389.3	1354.5	1328.8	1304.6	1307.9
35°	1412.9	1415.6	1434.8	1472.9	1523.8	1561.8	1517.9	1460.6	1424.1	1393.0	1394.1
37.5°	1515.2	1521.6	1548.4	1605.2	1678.1	1729.0	1664.7	1588.6	1541.5	1502.9	1500.2
40°	1649.7	1657.2	1693.6	1761.1	1849.5	1896.2	1821.7	1743.5	1685.1	1643.3	1636.8
42.5°	1804.0	1813.6	1853.3	1922.4	2010.8	2042.4	1969.6	1903.7	1851.1	1801.9	1799.7
45°	1978.1	1983.5	2015.6	2068.7	2132.4	2139.9	2085.3	2048.9	1995.8	1949.7	1946.0
47.5°	2141.5	2146.9	2168.9	2196.2	2211.2	2184.4	2174.8	2158.7	2090.1	2033.3	2021.5
50°	2265.8	2270.1	2297.5	2308.2	2266.4	2209.6	2228.3	2194.1	2119.6	2055.8	2037.6
52.5°	2257.3	2268.0	2338.2	2399.3	2373.0	2326.9	2276.6	2202.6	2086.9	1999.6	1977.1
55°	1943.3	1957.8	2108.3	2309.2	2488.7	2508.6	2307.1	2068.7	1851.1	1723.1	1700.1
57.5°	1248.9	1252.7	1436.4	1718.3	2122.8	2250.3	1913.3	1559.7	1289.1	1148.2	1138.5
60°	459.2	451.7	590.4	824.0	1222.7	1357.7	1126.2	788.7	562.6	462.9	454.9
62.5°	110.4	111.4	138.2	207.3	383.6	474.7	375.1	209.5	133.4	112.0	110.9
65°	55.7	54.7	55.2	59.5	82.0	98.0	80.4	56.8	54.7	55.2	54.7
67.5°	35.9	35.4	36.4	37.0	36.4	34.3	33.8	34.8	34.8	35.4	34.3
70°	22.0	21.4	22.5	24.1	23.0	20.4	21.4	22.5	21.4	20.9	20.9
72.5°	11.8	11.8	12.9	13.9	12.9	11.8	11.8	12.3	11.8	11.8	11.8
75°	5.4	5.4	5.9	6.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
77.5°	1.6	1.6	2.1	2.1	1.6	1.6	1.6	1.6	2.1	2.1	2.1
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)