

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: P630813

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630813
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-SA1E-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7920.1 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

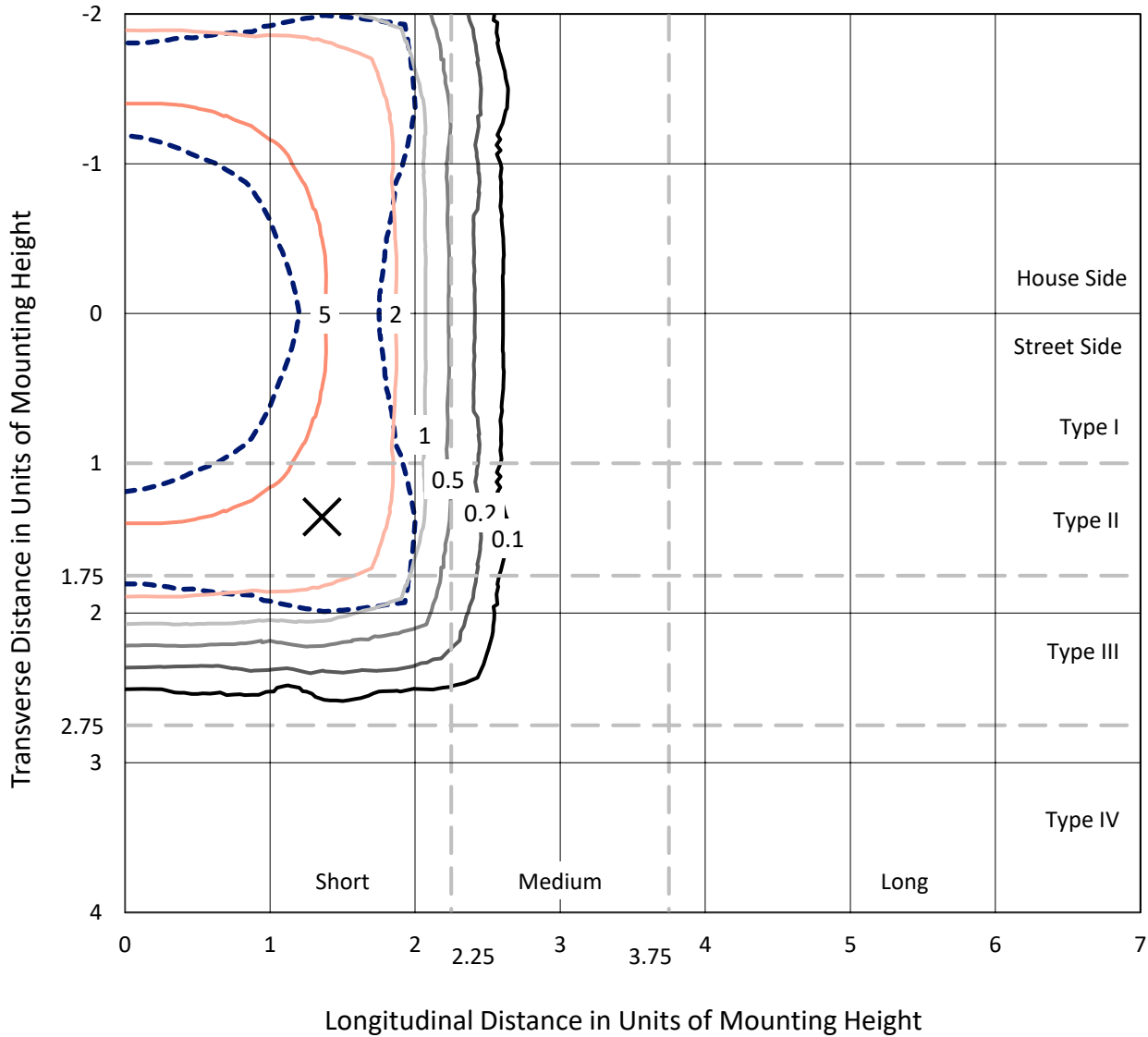
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

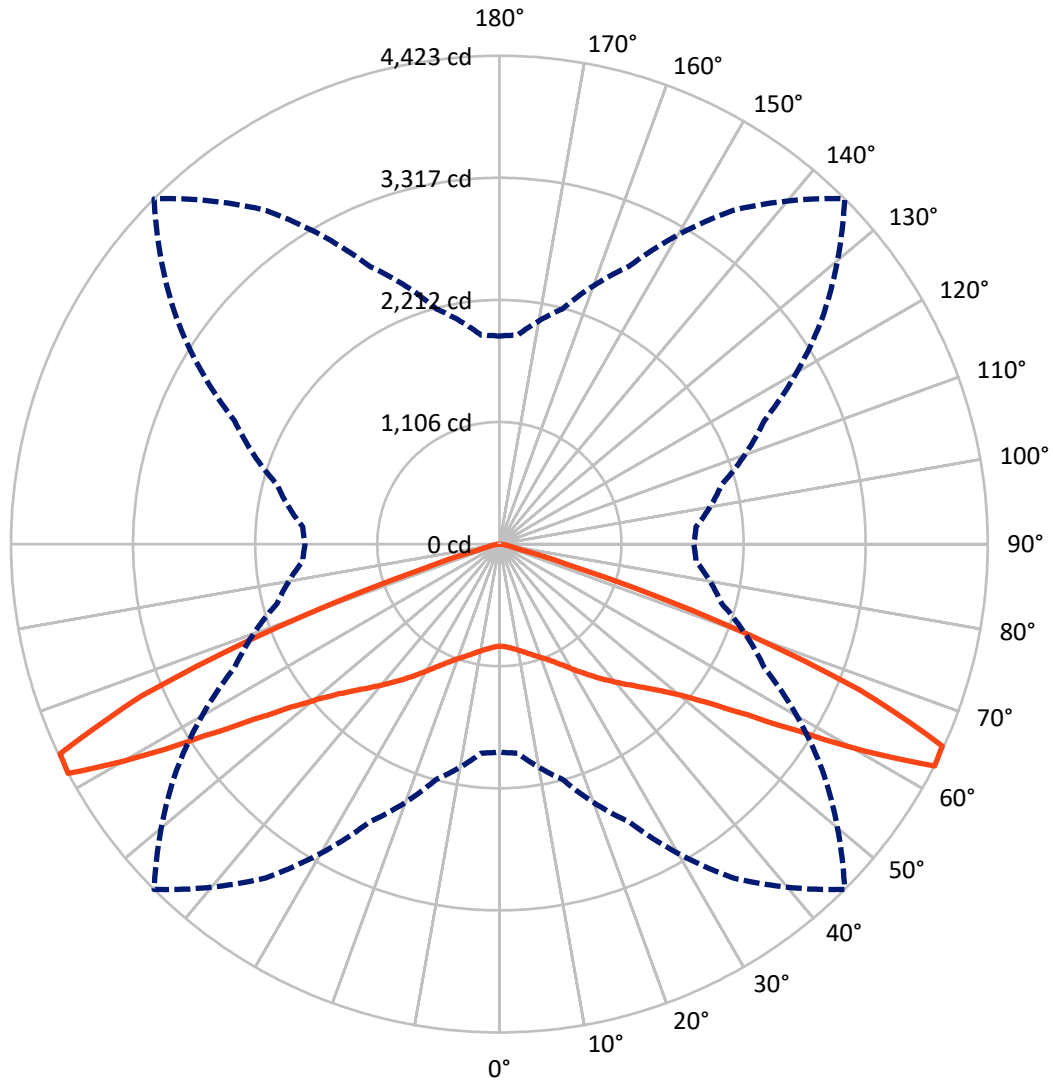
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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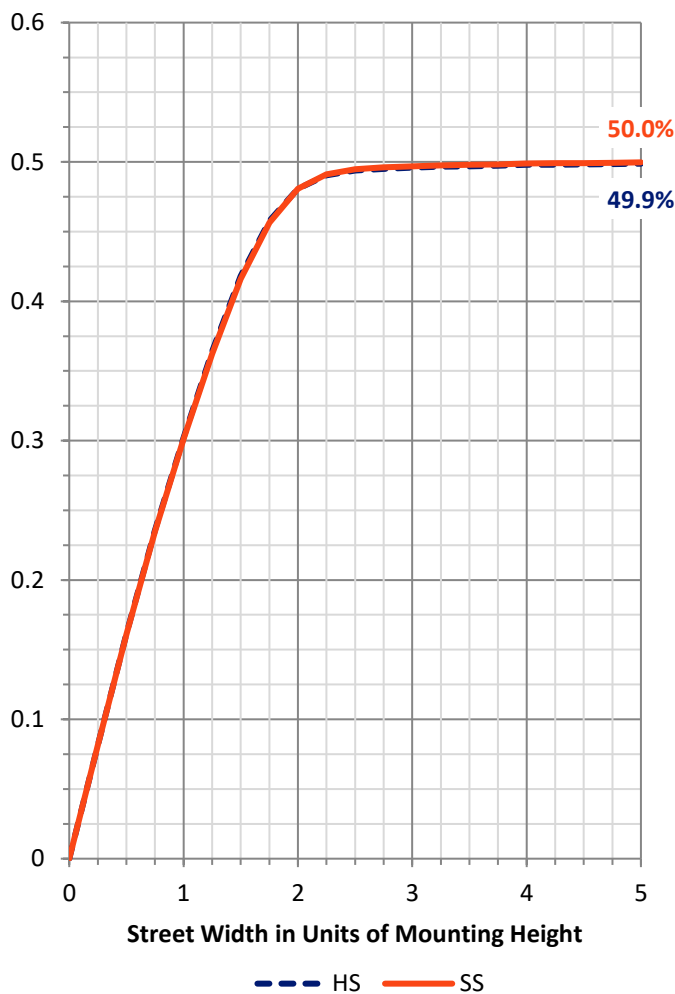
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3960.1	0.0	3960.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3960.1	0.0	3960.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7920.1	0.0	7920.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	1.1
10°-20°	292.3	3.7
20°-30°	553.1	7.0
30°-40°	930.9	11.8
40°-50°	1487.4	18.8
50°-60°	2397.5	30.3
60°-70°	1956.1	24.7
70°-80°	190.0	2.4
80°-90°	22.1	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°	7920.1	100.0
0°-180°	7920.1	100.0

Coefficient of Utilization



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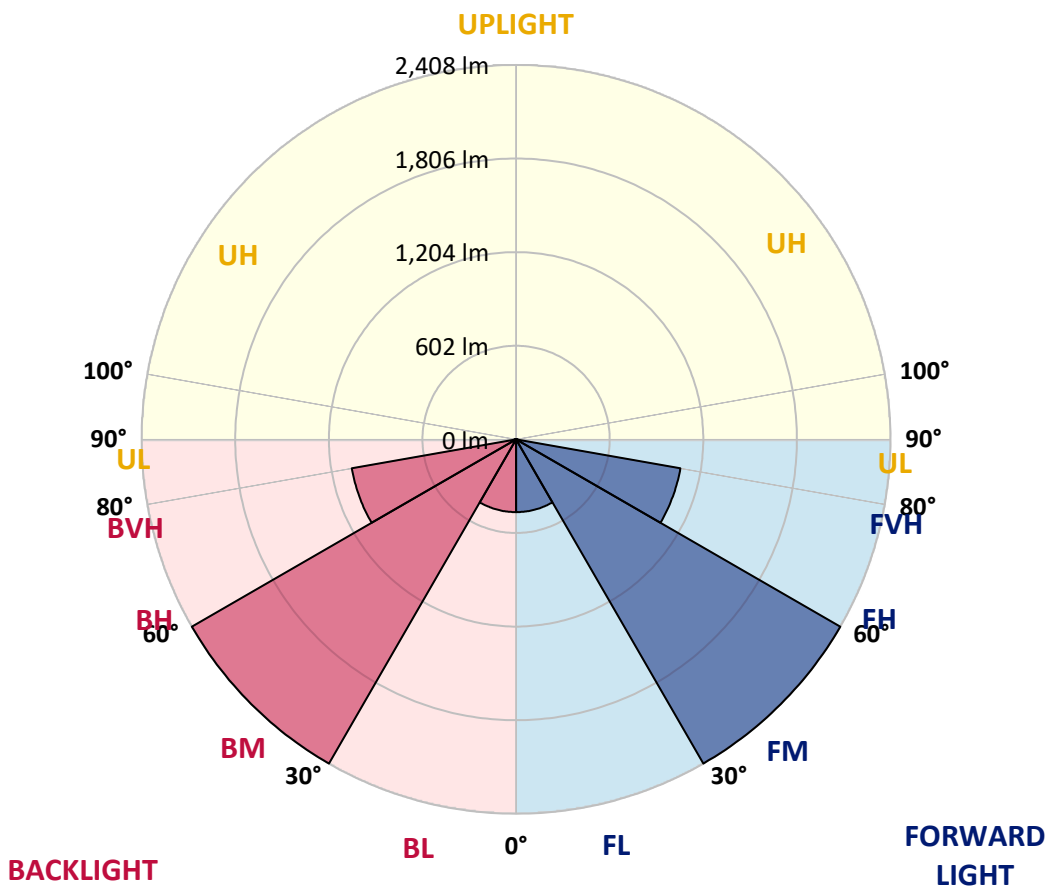
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.0	5.9			
FM (30°-60°)	2407.9	30.4			
FH (60°-80°)	1073.0	13.5			G1/1800
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	468.0	5.9	B1/500		
BM (30°-60°)	2407.9	30.4	B2/2500		
BH (60°-80°)	1073.0	13.5	B3/2500		G1/1800
BVH (80°-90°)	11.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	924.0	924.0	924.0	924.0	924.0	924.0	924.0	924.0	924.0	924.0	924.0
2.5°	922.9	922.9	925.1	926.7	925.6	930.0	929.4	928.3	927.8	926.2	931.0
5°	935.4	935.4	937.0	938.7	935.9	941.4	939.2	938.1	937.6	935.4	939.7
7.5°	949.5	951.1	951.7	954.4	952.8	958.8	957.1	954.9	953.9	951.1	954.9
10°	965.3	966.4	966.9	971.8	972.3	979.4	977.8	975.0	972.9	970.2	975.6
12.5°	986.5	987.0	988.6	994.6	996.2	1001.7	1001.1	997.3	994.6	990.8	996.8
15°	1013.6	1014.2	1016.9	1022.8	1025.6	1032.1	1029.9	1023.9	1020.1	1015.8	1020.7
17.5°	1041.9	1044.0	1046.8	1052.7	1056.5	1064.1	1061.4	1054.9	1051.6	1047.3	1050.6
20°	1078.3	1078.8	1080.4	1086.9	1089.7	1098.4	1098.9	1092.4	1090.7	1086.4	1091.3
22.5°	1118.5	1119.0	1120.6	1127.7	1132.6	1138.0	1141.3	1137.5	1134.7	1129.3	1135.3
25°	1163.0	1168.4	1170.1	1178.7	1184.2	1187.4	1191.2	1189.6	1185.8	1179.3	1182.0
27.5°	1225.5	1226.5	1229.3	1239.0	1242.3	1245.6	1249.4	1249.9	1244.5	1236.9	1240.7
30°	1296.6	1296.1	1302.1	1309.7	1312.4	1315.1	1320.5	1323.8	1316.7	1308.6	1312.4
32.5°	1369.4	1375.9	1383.5	1390.6	1389.0	1390.1	1398.7	1404.7	1394.9	1380.3	1383.5
35°	1451.4	1455.8	1465.6	1475.9	1473.7	1472.1	1477.5	1483.5	1469.9	1450.9	1455.8
37.5°	1535.6	1542.2	1556.8	1569.3	1566.1	1558.4	1564.4	1570.9	1557.9	1536.2	1534.0
40°	1629.6	1639.9	1661.1	1671.4	1662.7	1648.1	1658.4	1674.1	1661.1	1636.1	1630.1
42.5°	1739.9	1752.4	1773.6	1789.3	1770.3	1746.4	1763.8	1786.6	1783.3	1750.2	1739.9
45°	1876.2	1884.4	1910.4	1918.0	1889.8	1856.7	1888.2	1922.9	1914.8	1878.9	1865.4
47.5°	2024.5	2037.0	2059.8	2073.9	2028.3	1987.0	2031.0	2077.7	2069.1	2035.4	2019.6
50°	2213.5	2229.8	2259.7	2271.7	2208.7	2161.4	2217.9	2277.1	2260.3	2215.2	2194.5
52.5°	2419.4	2432.5	2483.5	2507.4	2448.2	2397.2	2446.6	2504.7	2468.9	2409.1	2381.4
55°	2600.9	2613.9	2688.8	2768.2	2765.4	2730.1	2755.1	2756.2	2659.0	2560.1	2530.8
57.5°	2640.0	2653.0	2795.9	3003.4	3150.0	3190.8	3117.4	2963.2	2718.2	2544.9	2511.8
60°	2431.4	2446.0	2673.1	3052.3	3534.6	3806.8	3468.9	2958.8	2535.1	2300.5	2269.0
62.5°	1883.8	1899.6	2204.9	2774.1	3690.0	4423.3	3571.0	2647.6	2085.4	1788.2	1760.5
65°	899.5	899.5	1287.4	1989.7	3380.3	4408.6	3275.5	1958.8	1255.3	964.2	940.3
67.5°	222.7	223.8	331.4	774.6	2299.4	3518.3	2336.9	940.3	442.2	312.9	304.7
70°	139.1	138.5	153.7	209.7	804.5	2135.3	955.5	283.6	179.8	158.6	157.5
72.5°	108.1	108.1	115.7	134.2	210.8	727.3	278.7	157.5	130.4	117.3	117.3
75°	85.3	85.3	90.7	100.5	124.4	187.4	148.3	116.8	101.0	92.3	91.3
77.5°	63.6	64.6	69.0	75.5	84.7	105.4	94.0	88.0	78.8	72.2	70.1
80°	41.3	42.9	48.3	52.1	55.4	69.5	61.4	64.1	59.8	52.1	51.1
82.5°	22.3	22.8	29.3	30.4	31.5	38.0	39.1	40.7	42.4	33.1	31.0
85°	8.1	8.1	9.8	11.4	12.5	13.6	18.5	22.8	23.9	19.0	18.5
87.5°	1.6	1.6	1.6	1.1	1.1	1.1	3.3	6.0	9.8	7.6	7.6
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)