

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: P632405

Luminaire Tested: GWS-SA2C-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9670 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

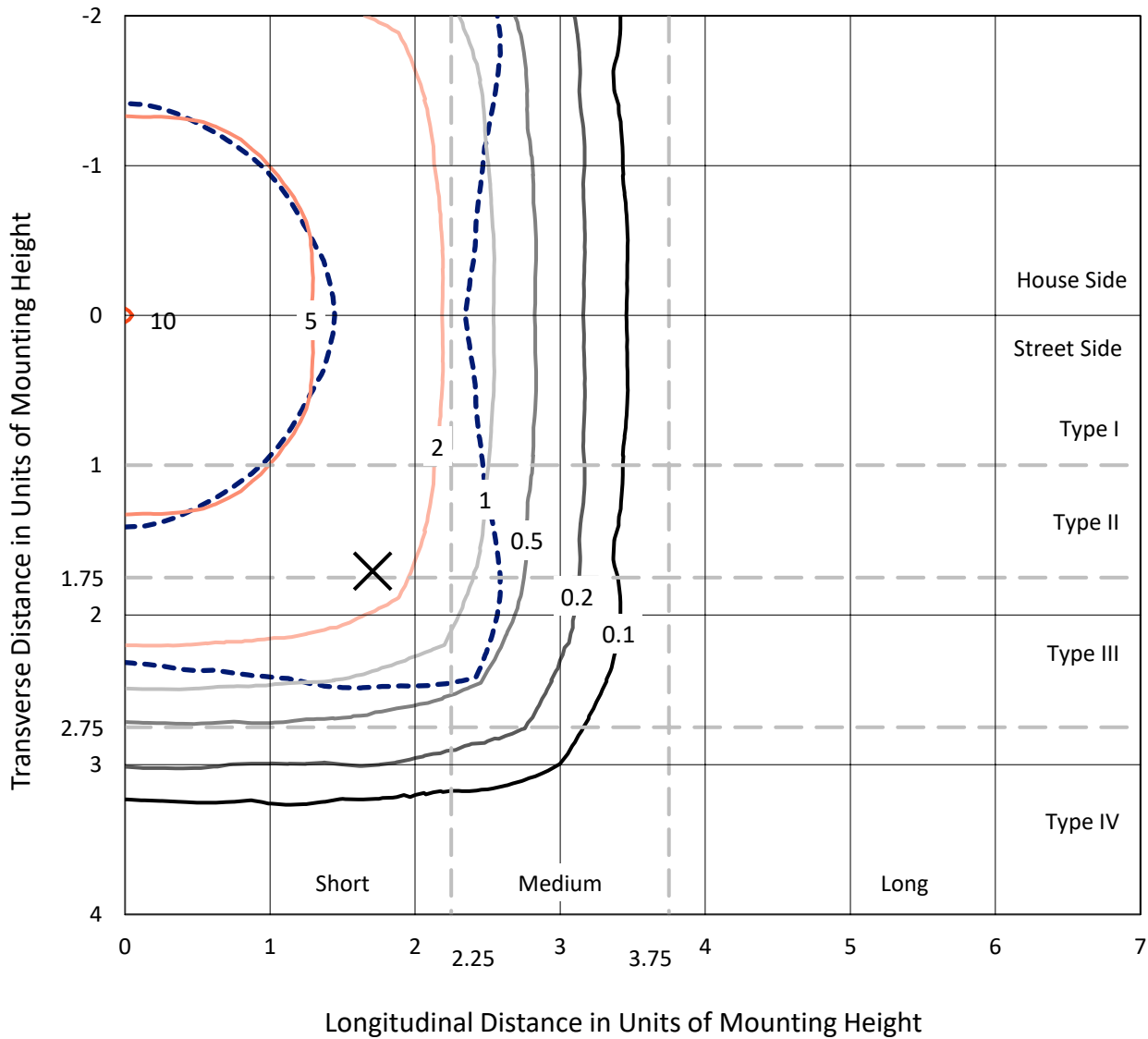
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

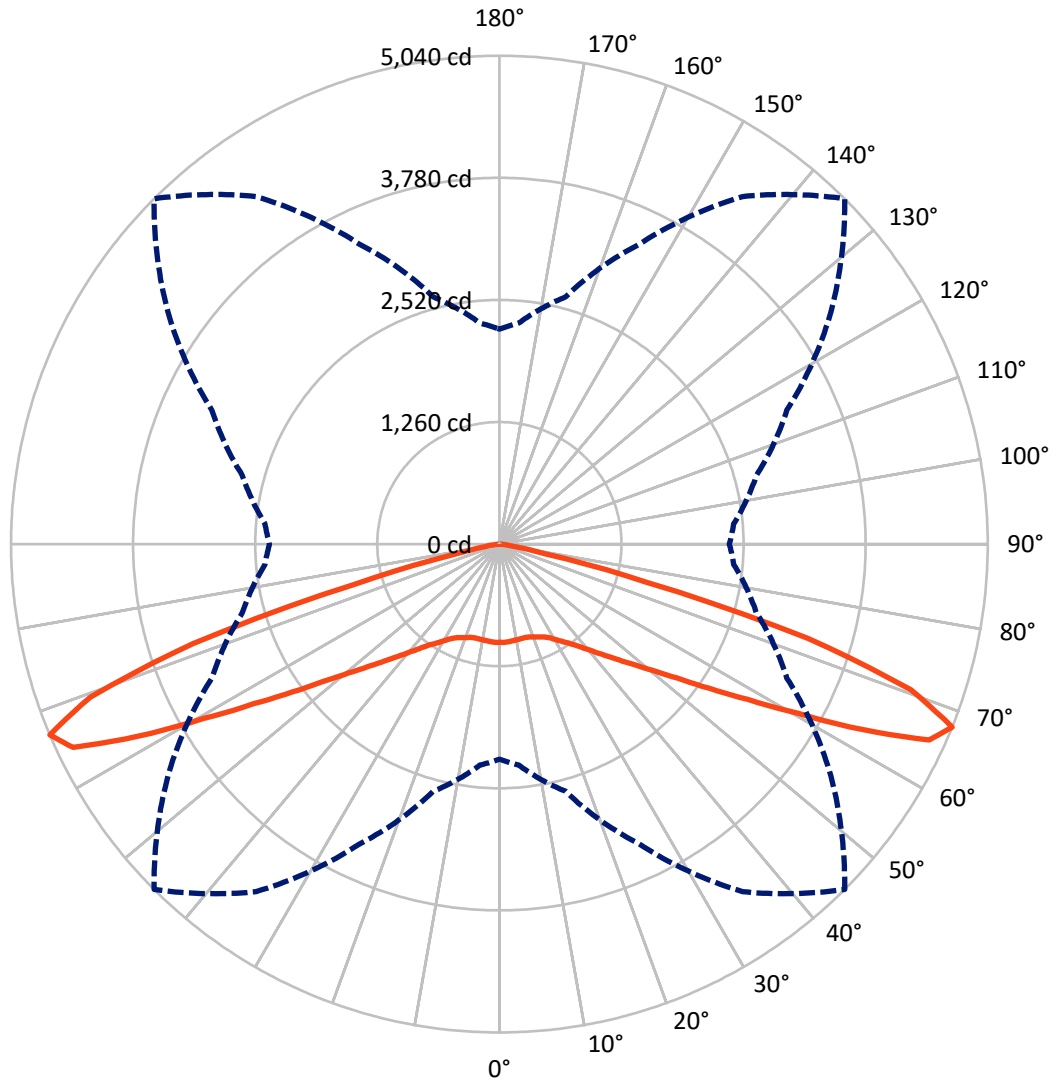
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4835.0	0.0	4835.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4835.0	0.0	4835.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9670.0	0.0	9670.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.0
10°-20°	281.5	2.9
20°-30°	485.6	5.0
30°-40°	789.5	8.2
40°-50°	1329.4	13.7
50°-60°	2355.5	24.4
60°-70°	3367.0	34.8
70°-80°	924.1	9.6
80°-90°	41.4	0.4
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°	9670.0	100.0
0°-180°	9670.0	100.0

Coefficient of Utilization



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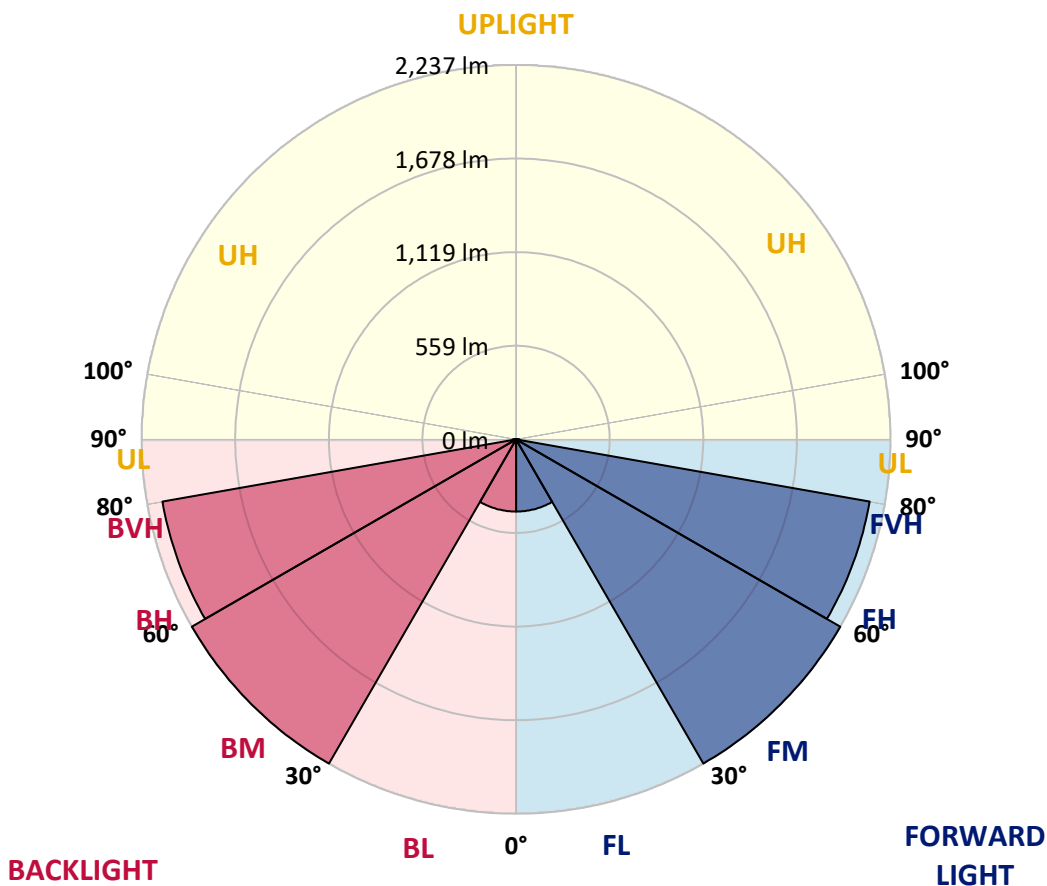
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.5	4.5			
FM (30°-60°)	2237.3	23.1			
FH (60°-80°)	2145.6	22.2			G2/5000
FVH (80°-90°)	20.7	0.2			G1/100
BL (0°-30°)	431.5	4.5	B1/500		
BM (30°-60°)	2237.3	23.1	B2/2500		
BH (60°-80°)	2145.6	22.2	B3/2500		G2/5000
BVH (80°-90°)	20.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8	1012.8
2.5°	1006.1	1005.4	1008.7	1010.8	1010.1	1014.8	1014.1	1012.8	1012.8	1010.8	1016.1
5°	1006.1	1005.4	1008.1	1008.7	1007.4	1011.4	1010.1	1008.7	1008.7	1006.1	1010.8
7.5°	1000.7	1001.4	1003.4	1004.7	1003.4	1006.7	1004.7	1002.1	1001.4	998.7	1003.4
10°	990.7	991.3	993.4	996.7	997.4	1003.4	1000.0	995.4	993.4	990.7	995.4
12.5°	984.6	985.3	987.3	991.3	992.7	1000.7	997.4	990.0	986.7	984.0	988.7
15°	983.3	984.0	986.7	990.7	992.7	1000.7	997.4	988.7	984.0	980.6	984.6
17.5°	983.3	984.6	988.7	994.7	998.7	1006.7	1002.7	992.7	986.0	980.0	984.0
20°	984.0	986.0	992.0	1000.7	1010.8	1022.1	1016.8	1003.4	994.0	986.7	989.3
22.5°	990.0	993.4	1000.7	1012.1	1026.8	1040.2	1035.5	1017.4	1004.1	994.0	996.7
25°	1010.8	1012.1	1021.5	1036.2	1050.2	1061.6	1056.9	1040.2	1023.5	1011.4	1014.8
27.5°	1047.6	1050.9	1058.9	1074.3	1086.4	1092.4	1091.7	1080.4	1063.6	1052.9	1055.6
30°	1091.7	1095.1	1105.8	1123.2	1135.3	1142.0	1139.9	1131.2	1115.8	1101.1	1103.8
32.5°	1143.3	1144.6	1157.3	1176.8	1189.5	1199.5	1192.8	1183.5	1164.0	1146.6	1148.0
35°	1208.9	1210.9	1224.3	1242.4	1252.4	1260.4	1259.1	1249.7	1229.0	1210.2	1214.9
37.5°	1291.2	1292.6	1304.6	1327.4	1335.4	1341.4	1342.8	1338.1	1316.7	1292.6	1297.2
40°	1393.6	1394.3	1407.7	1427.8	1436.5	1440.5	1441.2	1441.8	1419.7	1401.7	1400.3
42.5°	1512.8	1516.1	1534.9	1554.3	1558.3	1556.3	1563.0	1569.7	1548.3	1523.5	1525.5
45°	1655.4	1657.4	1682.8	1704.2	1696.9	1690.2	1702.9	1716.3	1696.9	1664.7	1655.4
47.5°	1824.0	1828.1	1855.5	1876.9	1864.9	1852.8	1873.6	1887.6	1856.2	1822.0	1813.3
50°	2014.8	2017.5	2056.3	2083.1	2069.0	2046.9	2073.0	2087.8	2045.6	2003.4	1984.7
52.5°	2240.4	2235.0	2286.6	2333.4	2324.7	2296.0	2317.4	2320.0	2257.1	2197.6	2178.8
55°	2515.5	2510.2	2561.7	2613.2	2634.7	2627.3	2617.3	2601.2	2508.1	2444.6	2427.1
57.5°	2836.1	2819.4	2891.7	2961.3	3008.2	3021.6	2978.7	2941.2	2867.6	2789.3	2769.2
60°	3134.0	3133.3	3247.8	3368.3	3496.8	3550.4	3441.9	3340.2	3174.8	3032.3	3003.5
62.5°	3217.7	3231.7	3419.2	3717.7	4035.0	4224.4	3938.6	3601.9	3282.6	3067.7	3029.6
65°	3011.5	3046.3	3312.7	3784.0	4410.5	4873.7	4228.4	3607.9	3162.8	2895.0	2854.9
67.5°	2219.6	2289.3	2642.0	3414.5	4378.4	5040.4	4176.9	3273.9	2747.1	2428.5	2372.9
70°	1095.1	1161.4	1441.2	2246.4	3602.6	4505.6	3613.9	2467.3	1855.5	1548.9	1498.1
72.5°	403.0	429.7	539.5	961.2	1988.0	3328.1	2471.3	1378.2	899.0	715.6	681.4
75°	197.5	202.2	218.9	322.6	733.6	1566.3	1161.4	528.8	330.7	287.8	278.5
77.5°	125.8	127.9	135.9	154.0	235.6	493.3	352.1	208.8	162.0	155.3	155.3
80°	70.3	72.3	83.0	95.7	110.4	169.4	126.5	125.2	106.4	93.0	91.0
82.5°	33.5	36.8	52.9	52.2	58.2	85.0	74.3	67.6	68.3	51.5	48.9
85°	15.4	15.4	20.8	24.8	26.1	28.8	34.1	38.8	38.2	26.1	28.1
87.5°	7.4	7.4	7.4	6.7	6.0	5.4	7.4	12.0	17.4	12.0	11.4
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)