

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: P632295

Luminaire Tested: GWS-SA2C-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632295
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9584.7 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

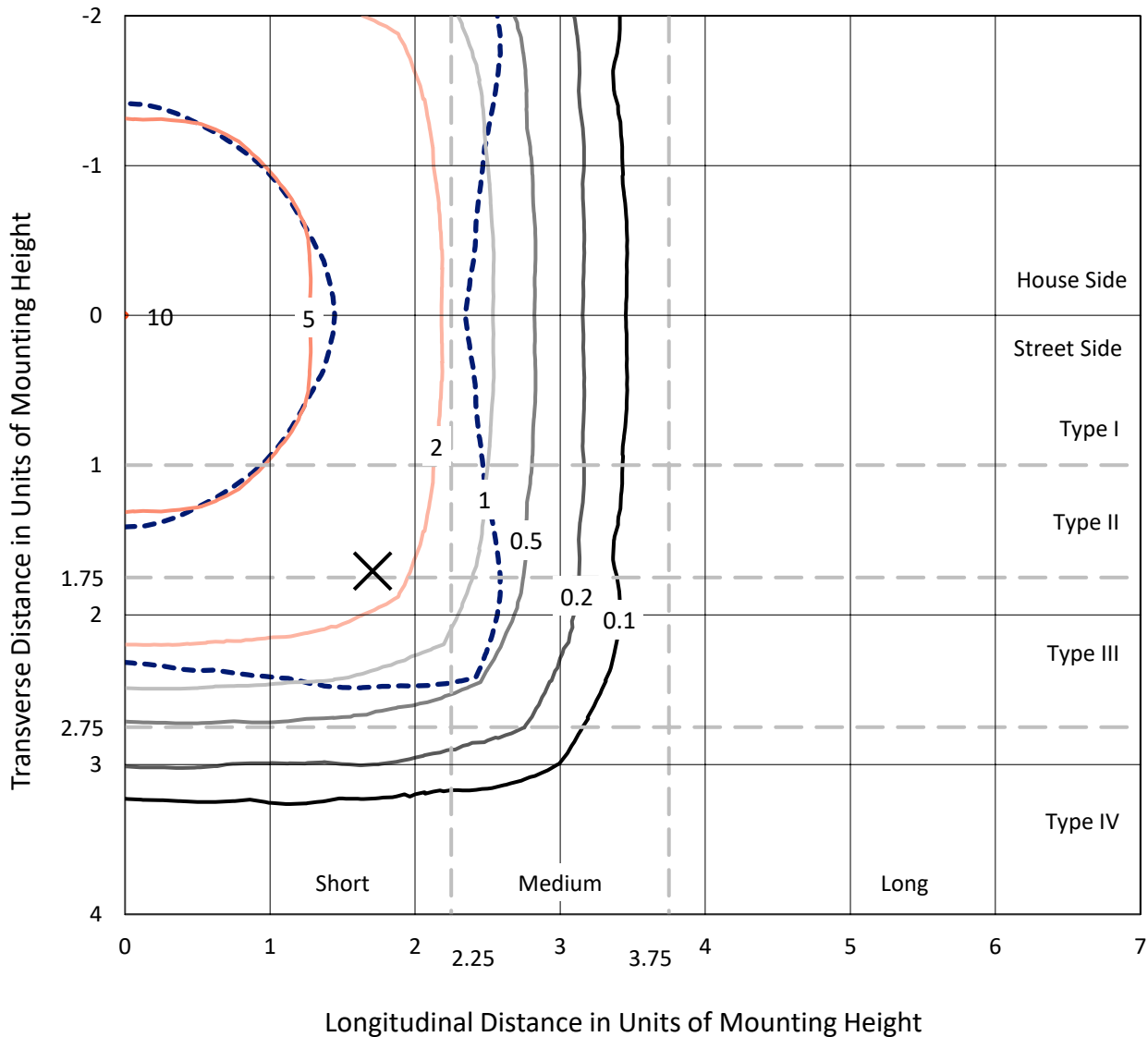
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

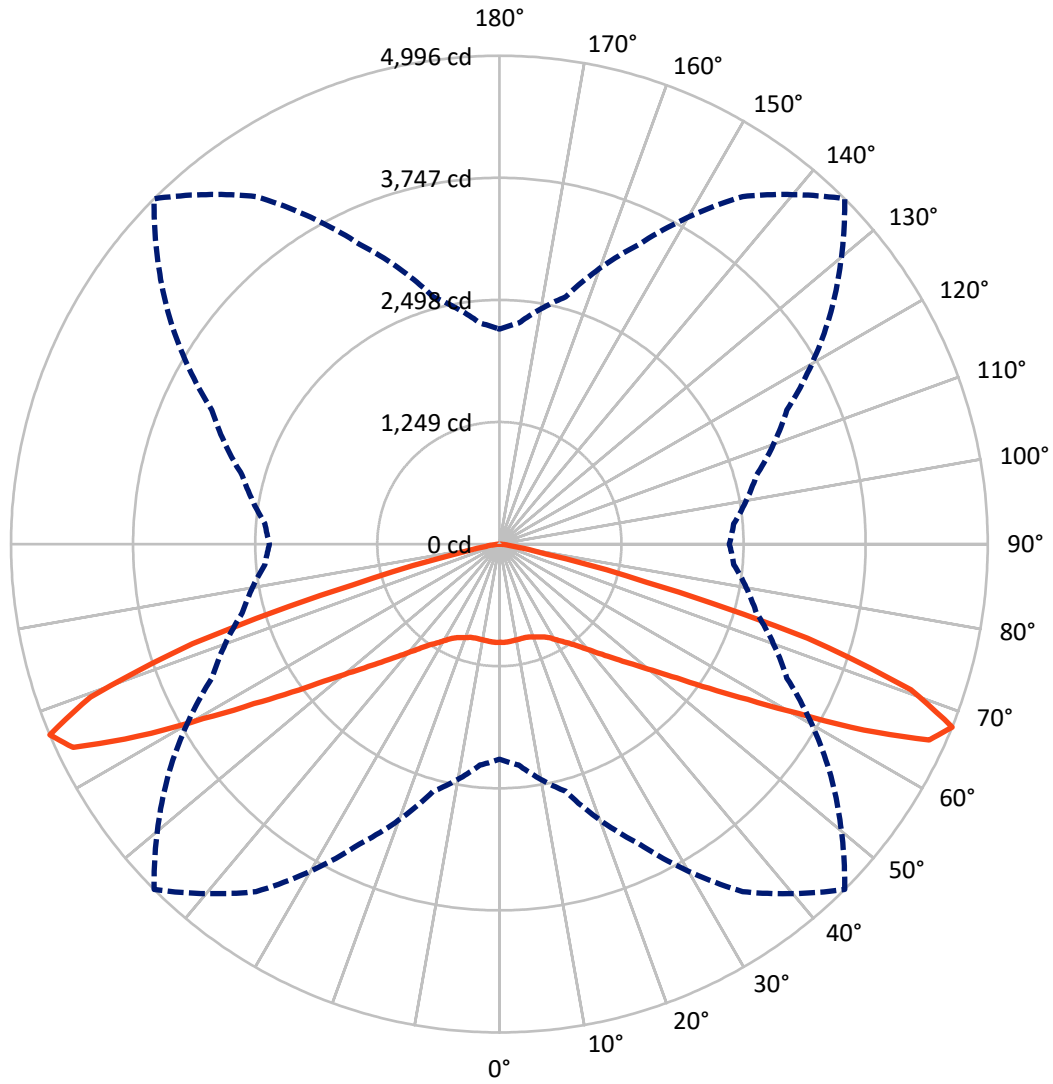
✕ Max cd
 - - - 1/2 Max cd



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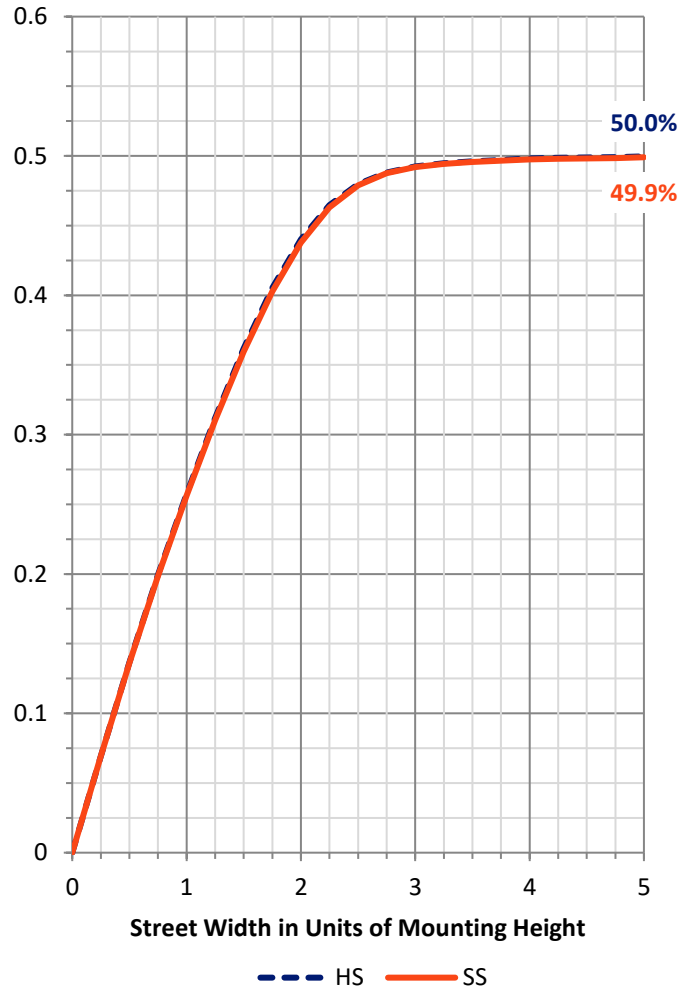
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4792.4	0.0	4792.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4792.4	0.0	4792.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9584.7	0.0	9584.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.0
10°-20°	279.1	2.9
20°-30°	481.3	5.0
30°-40°	782.6	8.2
40°-50°	1317.7	13.7
50°-60°	2334.7	24.4
60°-70°	3337.3	34.8
70°-80°	916.0	9.6
80°-90°	41.0	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°	9584.7	100.0
0°-180°	9584.7	100.0

Coefficient of Utilization



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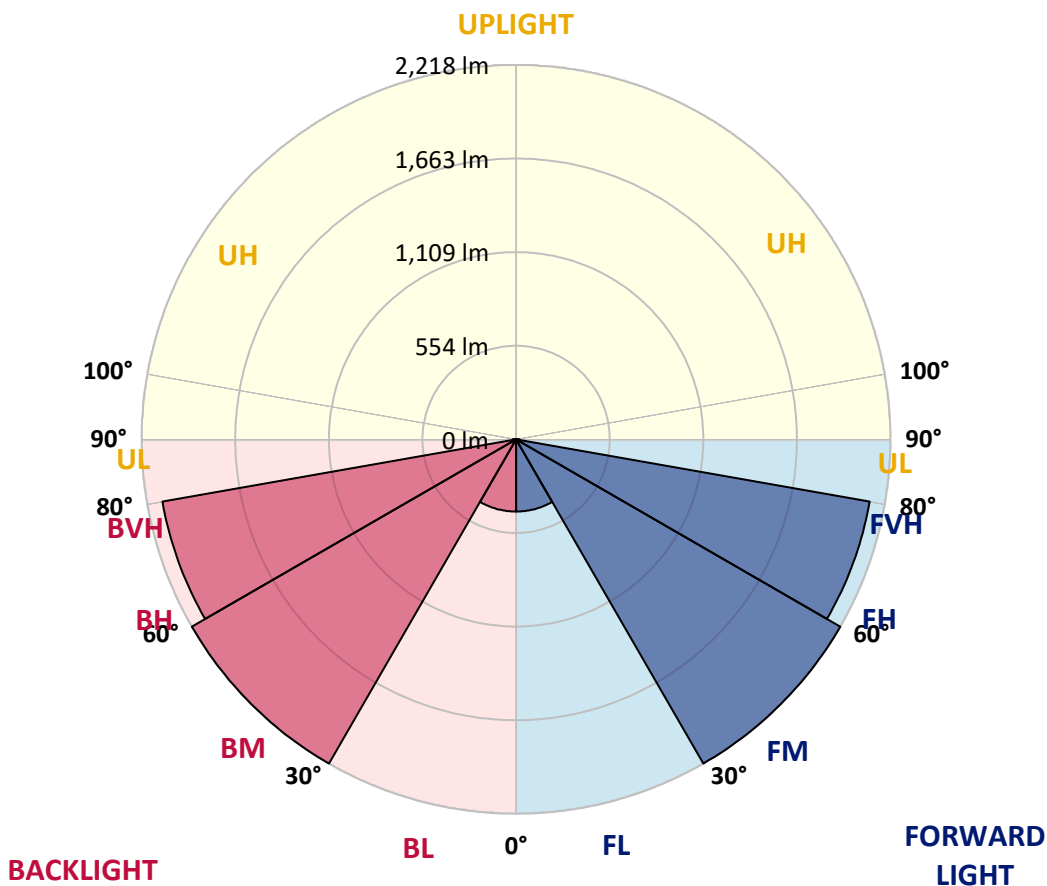
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.7	4.5			
FM (30°-60°)	2217.5	23.1			
FH (60°-80°)	2126.7	22.2			G2/5000
FVH (80°-90°)	20.5	0.2			G1/100
BL (0°-30°)	427.7	4.5	B1/500		
BM (30°-60°)	2217.5	23.1	B2/2500		
BH (60°-80°)	2126.7	22.2	B3/2500		G2/5000
BVH (80°-90°)	20.5	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°	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8	1003.8
2.5°	997.2	996.5	999.8	1001.8	1001.2	1005.8	1005.2	1003.8	1003.8	1001.8	1007.1
5°	997.2	996.5	999.2	999.8	998.5	1002.5	1001.2	999.8	999.8	997.2	1001.8
7.5°	991.9	992.5	994.5	995.9	994.5	997.9	995.9	993.2	992.5	989.9	994.5
10°	981.9	982.6	984.6	987.9	988.6	994.5	991.2	986.6	984.6	981.9	986.6
12.5°	976.0	976.6	978.6	982.6	983.9	991.9	988.6	981.3	978.0	975.3	979.9
15°	974.6	975.3	978.0	981.9	983.9	991.9	988.6	979.9	975.3	972.0	976.0
17.5°	974.6	976.0	979.9	985.9	989.9	997.9	993.9	983.9	977.3	971.3	975.3
20°	975.3	977.3	983.3	991.9	1001.8	1013.1	1007.8	994.5	985.3	978.0	980.6
22.5°	981.3	984.6	991.9	1003.2	1017.8	1031.0	1026.4	1008.5	995.2	985.3	987.9
25°	1001.8	1003.2	1012.5	1027.0	1041.0	1052.3	1047.6	1031.0	1014.4	1002.5	1005.8
27.5°	1038.3	1041.6	1049.6	1064.9	1076.8	1082.8	1082.1	1070.8	1054.3	1043.6	1046.3
30°	1082.1	1085.4	1096.1	1113.3	1125.2	1131.9	1129.9	1121.3	1106.0	1091.4	1094.1
32.5°	1133.2	1134.5	1147.1	1166.4	1179.0	1188.9	1182.3	1173.0	1153.8	1136.5	1137.8
35°	1198.2	1200.2	1213.5	1231.4	1241.4	1249.3	1248.0	1238.7	1218.1	1199.6	1204.2
37.5°	1279.8	1281.2	1293.1	1315.7	1323.6	1329.6	1330.9	1326.3	1305.0	1281.2	1285.8
40°	1381.3	1382.0	1395.3	1415.2	1423.8	1427.8	1428.4	1429.1	1407.2	1389.3	1388.0
42.5°	1499.4	1502.8	1521.3	1540.6	1544.6	1542.6	1549.2	1555.8	1534.6	1510.1	1512.0
45°	1640.8	1642.7	1668.0	1689.2	1681.9	1675.3	1687.9	1701.1	1681.9	1650.0	1640.8
47.5°	1808.0	1811.9	1839.1	1860.4	1848.4	1836.5	1857.0	1871.0	1839.8	1806.0	1797.3
50°	1997.0	1999.7	2038.2	2064.7	2050.8	2028.9	2054.8	2069.4	2027.6	1985.8	1967.2
52.5°	2220.6	2215.3	2266.4	2312.9	2304.2	2275.7	2296.9	2299.6	2237.2	2178.2	2159.6
55°	2493.3	2488.0	2539.1	2590.2	2611.4	2604.1	2594.2	2578.2	2486.0	2423.0	2405.7
57.5°	2811.1	2794.5	2866.2	2935.2	2981.6	2994.9	2952.4	2915.3	2842.3	2764.7	2744.8
60°	3106.4	3105.7	3219.2	3338.6	3466.0	3519.0	3411.6	3310.7	3146.8	3005.5	2977.0
62.5°	3189.3	3203.2	3389.0	3684.9	3999.4	4187.2	3903.9	3570.1	3253.7	3040.7	3002.9
65°	2984.9	3019.4	3283.5	3750.6	4371.6	4830.7	4191.1	3576.1	3134.9	2869.5	2829.7
67.5°	2200.1	2269.1	2618.7	3384.4	4339.8	4995.9	4140.0	3245.0	2722.9	2407.1	2352.0
70°	1085.4	1151.1	1428.4	2226.6	3570.8	4465.8	3582.1	2445.5	1839.1	1535.3	1484.8
72.5°	399.4	425.9	534.8	952.7	1970.5	3298.8	2449.5	1366.1	891.0	709.2	675.4
75°	195.7	200.4	217.0	319.8	727.2	1552.5	1151.1	524.1	327.8	285.3	276.0
77.5°	124.7	126.7	134.7	152.6	233.5	489.0	349.0	207.0	160.6	153.9	153.9
80°	69.7	71.7	82.3	94.9	109.5	167.9	125.4	124.1	105.5	92.2	90.2
82.5°	33.2	36.5	52.4	51.8	57.7	84.3	73.6	67.0	67.7	51.1	48.4
85°	15.3	15.3	20.6	24.5	25.9	28.5	33.8	38.5	37.8	25.9	27.9
87.5°	7.3	7.3	7.3	6.6	6.0	5.3	7.3	11.9	17.3	11.9	11.3
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)