

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: P631250

Luminaire Tested: GWS-SA1F-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631250
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-SA1F-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8605.2 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

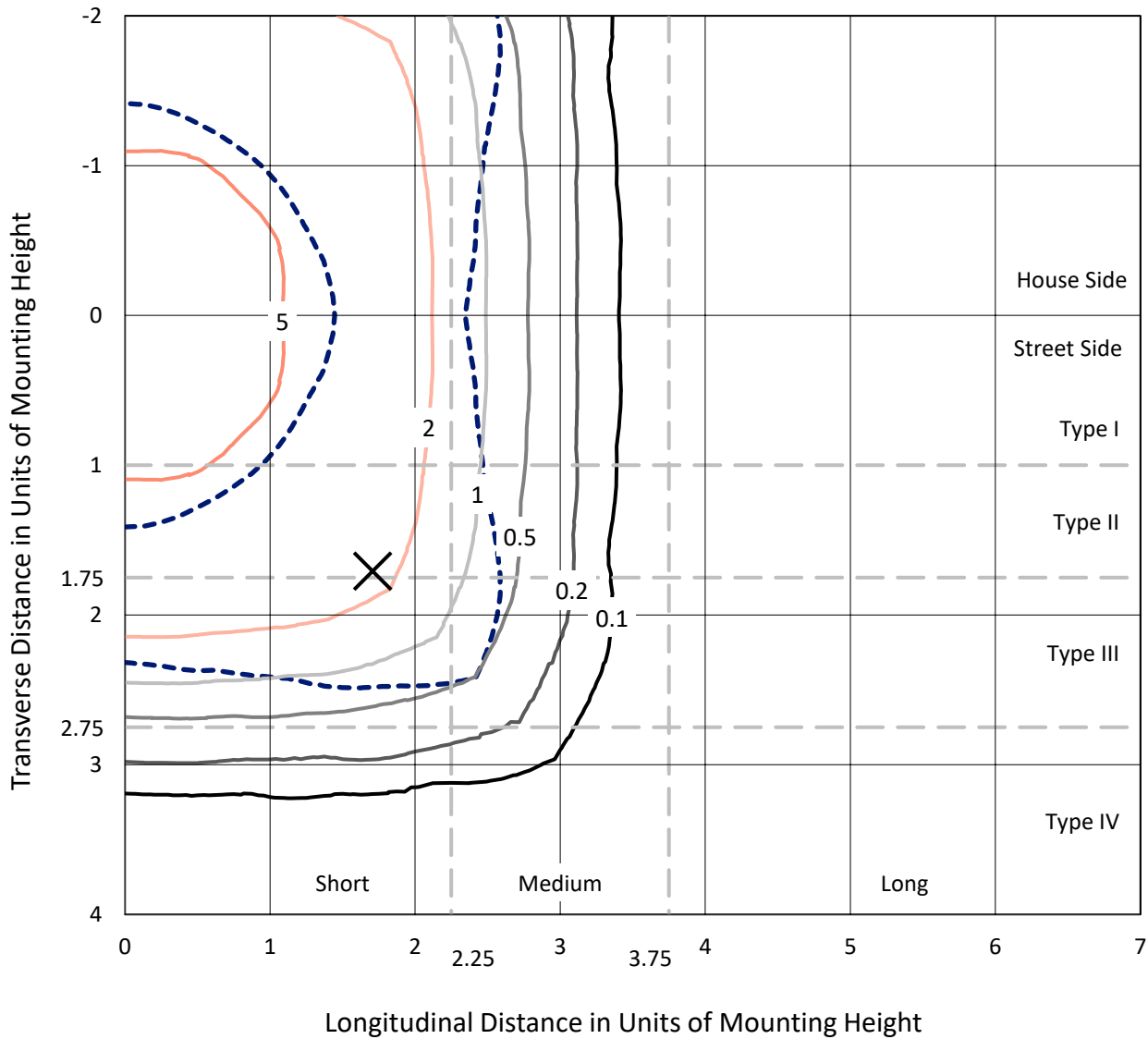
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

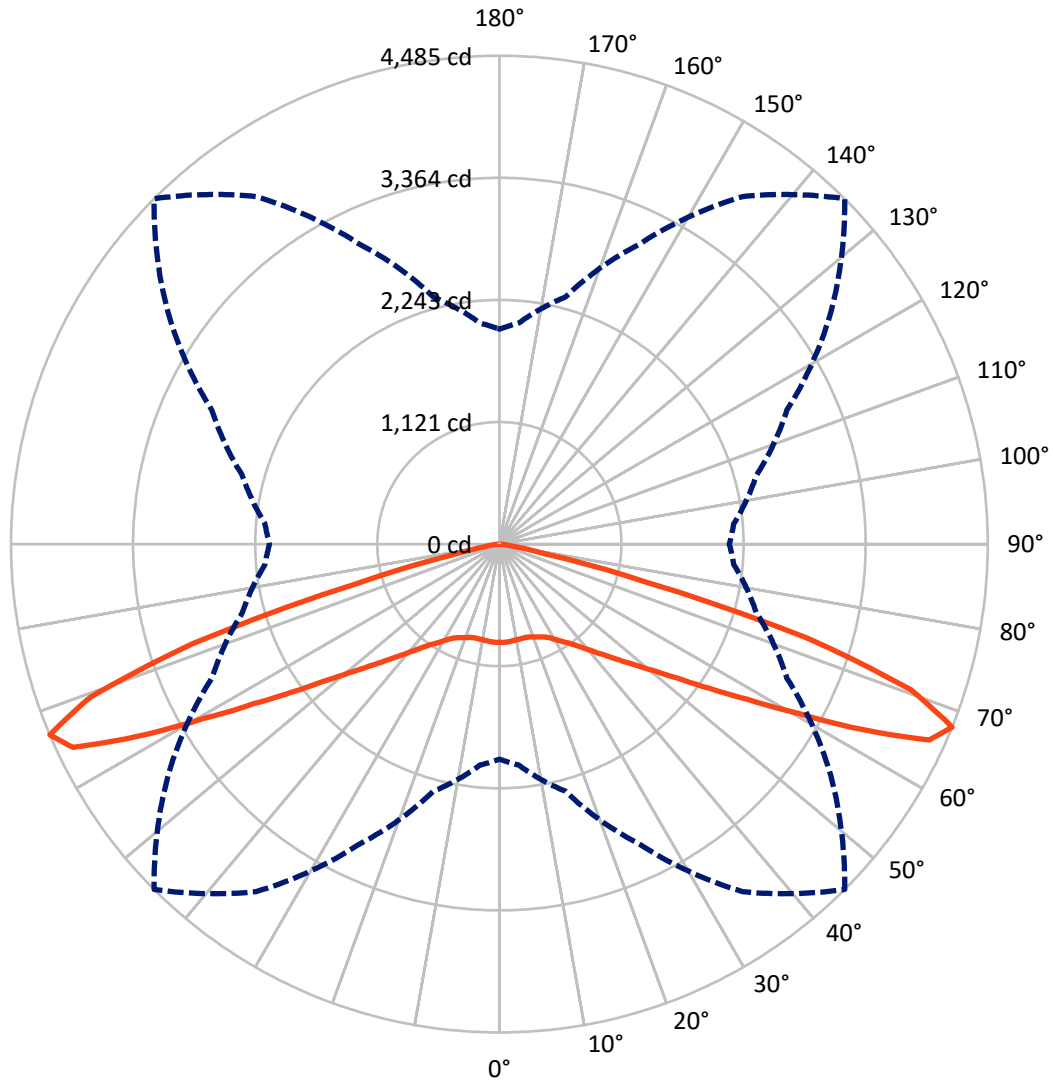
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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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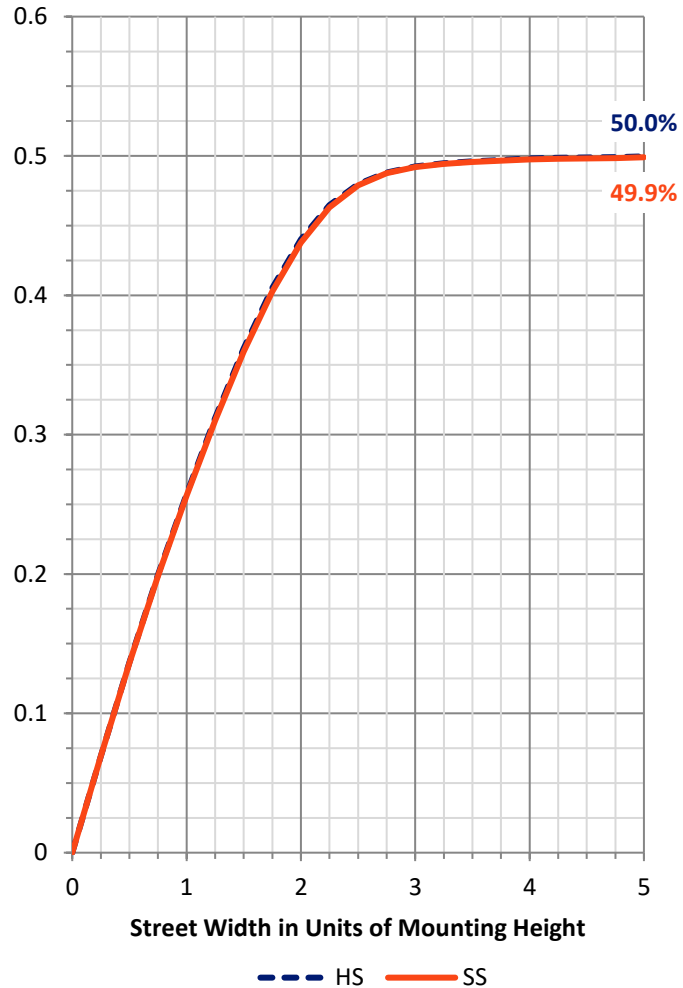
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4302.6	0.0	4302.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4302.6	0.0	4302.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8605.2	0.0	8605.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	1.0
10°-20°	250.5	2.9
20°-30°	432.1	5.0
30°-40°	702.6	8.2
40°-50°	1183.1	13.7
50°-60°	2096.1	24.4
60°-70°	2996.3	34.8
70°-80°	822.4	9.6
80°-90°	36.9	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°	8605.2	100.0
0°-180°	8605.2	100.0

Coefficient of Utilization



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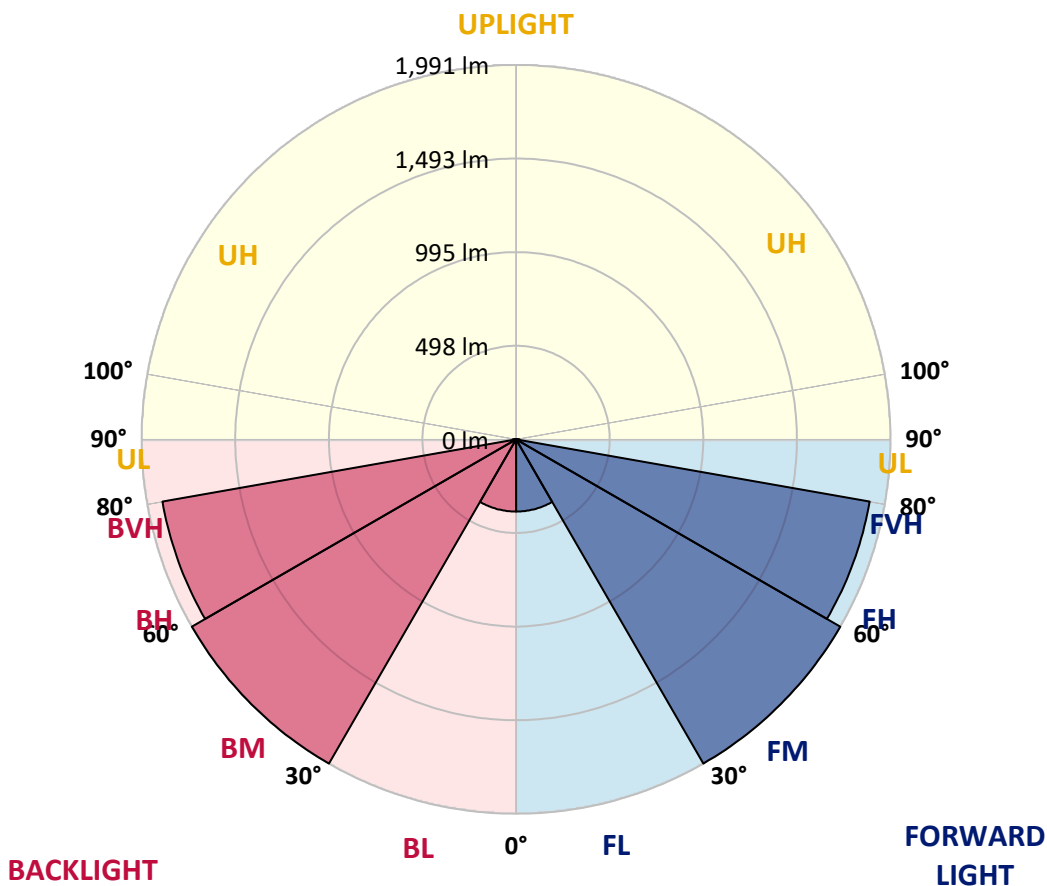
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.0	4.5			
FM (30°-60°)	1990.9	23.1			
FH (60°-80°)	1909.3	22.2			G2/5000
FVH (80°-90°)	18.4	0.2			G1/100
BL (0°-30°)	384.0	4.5	B1/500		
BM (30°-60°)	1990.9	23.1	B2/2500		
BH (60°-80°)	1909.3	22.2	B3/2500		G2/5000
BVH (80°-90°)	18.4	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°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2	901.2
2.5°	895.3	894.7	897.7	899.5	898.9	903.0	902.4	901.2	901.2	899.5	904.2
5°	895.3	894.7	897.1	897.7	896.5	900.1	898.9	897.7	897.7	895.3	899.5
7.5°	890.5	891.1	892.9	894.1	892.9	895.9	894.1	891.7	891.1	888.7	892.9
10°	881.6	882.2	884.0	886.9	887.5	892.9	889.9	885.8	884.0	881.6	885.8
12.5°	876.2	876.8	878.6	882.2	883.4	890.5	887.5	881.0	878.0	875.6	879.8
15°	875.0	875.6	878.0	881.6	883.4	890.5	887.5	879.8	875.6	872.7	876.2
17.5°	875.0	876.2	879.8	885.2	888.7	895.9	892.3	883.4	877.4	872.1	875.6
20°	875.6	877.4	882.8	890.5	899.5	909.6	904.8	892.9	884.6	878.0	880.4
22.5°	881.0	884.0	890.5	900.6	913.8	925.7	921.5	905.4	893.5	884.6	886.9
25°	899.5	900.6	909.0	922.1	934.6	944.7	940.6	925.7	910.8	900.1	903.0
27.5°	932.2	935.2	942.3	956.0	966.8	972.1	971.5	961.4	946.5	937.0	939.4
30°	971.5	974.5	984.0	999.5	1010.3	1016.2	1014.4	1006.7	993.0	979.9	982.3
32.5°	1017.4	1018.6	1029.9	1047.2	1058.5	1067.4	1061.5	1053.1	1035.9	1020.4	1021.6
35°	1075.8	1077.6	1089.5	1105.6	1114.5	1121.6	1120.4	1112.1	1093.6	1077.0	1081.1
37.5°	1149.0	1150.2	1161.0	1181.2	1188.4	1193.7	1194.9	1190.7	1171.7	1150.2	1154.4
40°	1240.2	1240.8	1252.7	1270.6	1278.3	1281.9	1282.5	1283.1	1263.4	1247.3	1246.1
42.5°	1346.2	1349.2	1365.9	1383.1	1386.7	1384.9	1390.9	1396.8	1377.8	1355.7	1357.5
45°	1473.1	1474.9	1497.5	1516.6	1510.0	1504.1	1515.4	1527.3	1510.0	1481.4	1473.1
47.5°	1623.2	1626.8	1651.2	1670.2	1659.5	1648.8	1667.3	1679.8	1651.8	1621.4	1613.7
50°	1793.0	1795.3	1829.9	1853.7	1841.2	1821.5	1844.8	1857.9	1820.4	1782.8	1766.2
52.5°	1993.7	1988.9	2034.8	2076.5	2068.7	2043.1	2062.2	2064.6	2008.6	1955.6	1938.9
55°	2238.5	2233.7	2279.6	2325.5	2344.5	2338.0	2329.1	2314.8	2232.0	2175.4	2159.9
57.5°	2523.8	2508.9	2573.3	2635.2	2676.9	2688.8	2650.7	2617.4	2551.8	2482.1	2464.3
60°	2788.9	2788.3	2890.2	2997.4	3111.8	3159.4	3062.9	2972.4	2825.2	2698.4	2672.8
62.5°	2863.4	2875.9	3042.7	3308.3	3590.7	3759.2	3504.9	3205.3	2921.1	2729.9	2696.0
65°	2679.9	2710.9	2948.0	3367.3	3924.8	4337.0	3762.8	3210.6	2814.5	2576.3	2540.5
67.5°	1975.2	2037.2	2351.1	3038.5	3896.3	4485.4	3717.0	2913.4	2444.6	2161.1	2111.6
70°	974.5	1033.5	1282.5	1999.1	3205.9	4009.4	3216.0	2195.6	1651.2	1378.4	1333.1
72.5°	358.6	382.4	480.1	855.4	1769.1	2961.7	2199.2	1226.5	800.0	636.8	606.4
75°	175.7	179.9	194.8	287.1	652.9	1393.9	1033.5	470.6	294.3	256.1	247.8
77.5°	112.0	113.8	120.9	137.0	209.7	439.0	313.3	185.8	144.2	138.2	138.2
80°	62.5	64.3	73.9	85.2	98.3	150.7	112.6	111.4	94.7	82.8	81.0
82.5°	29.8	32.8	47.1	46.5	51.8	75.6	66.1	60.2	60.8	45.9	43.5
85°	13.7	13.7	18.5	22.0	23.2	25.6	30.4	34.5	34.0	23.2	25.0
87.5°	6.6	6.6	6.6	6.0	5.4	4.8	6.6	10.7	15.5	10.7	10.1
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)