

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: P631525

Luminaire Tested: GWS-SA1F-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631525
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-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6930.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

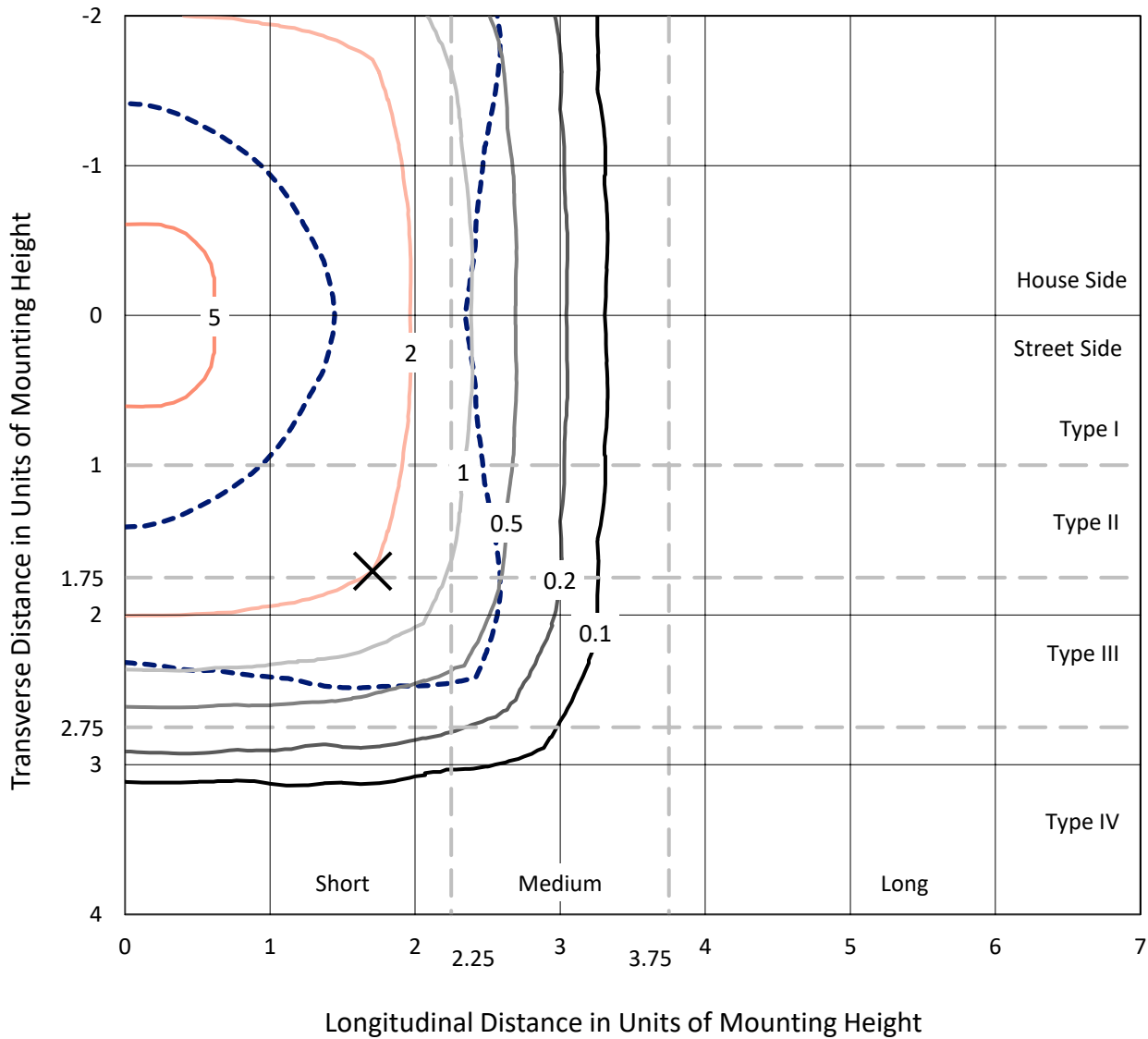
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

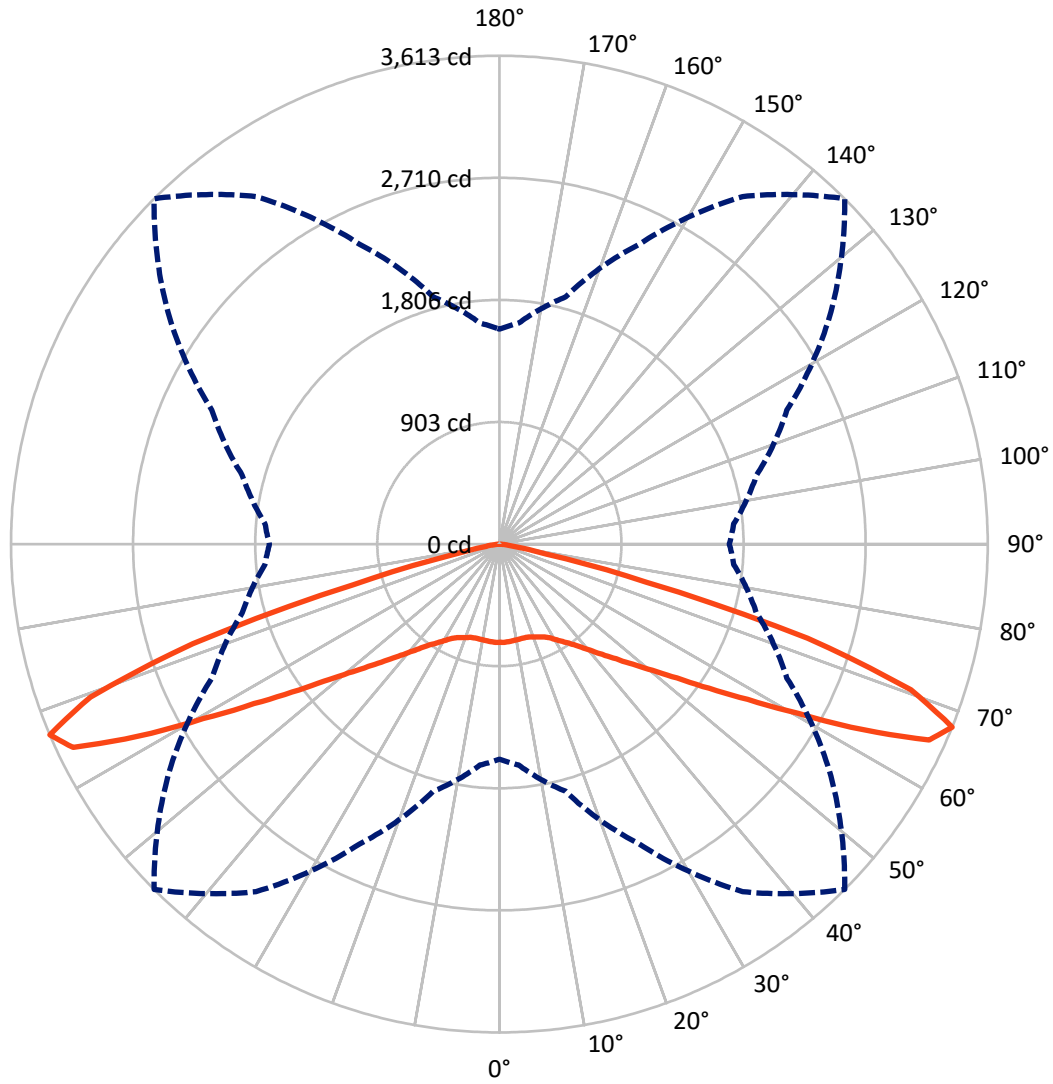
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	3465.4	0.0	3465.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3465.4	0.0	3465.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6930.9	0.0	6930.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.0
10°-20°	201.8	2.9
20°-30°	348.0	5.0
30°-40°	565.9	8.2
40°-50°	952.9	13.7
50°-60°	1688.3	24.4
60°-70°	2413.3	34.8
70°-80°	662.3	9.6
80°-90°	29.7	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°	6930.9	100.0
0°-180°	6930.9	100.0

Coefficient of Utilization



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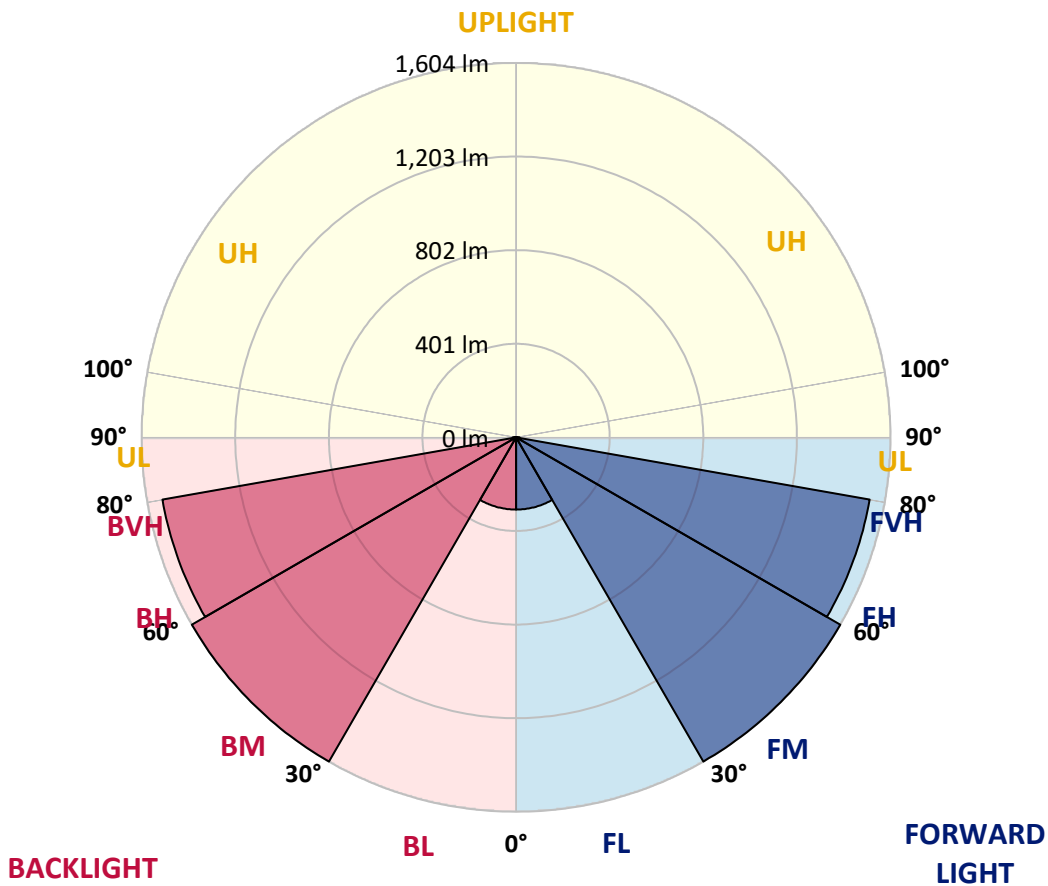
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.3	4.5			
FM (30°-60°)	1603.5	23.1			
FH (60°-80°)	1537.8	22.2			G1/1800
FVH (80°-90°)	14.8	0.2			G1/100
BL (0°-30°)	309.3	4.5	B1/500		
BM (30°-60°)	1603.5	23.1	B2/2500		
BH (60°-80°)	1537.8	22.2	B3/2500		G1/1800
BVH (80°-90°)	14.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9	725.9
2.5°	721.1	720.6	723.0	724.5	724.0	727.3	726.8	725.9	725.9	724.5	728.3
5°	721.1	720.6	722.5	723.0	722.1	724.9	724.0	723.0	723.0	721.1	724.5
7.5°	717.3	717.7	719.2	720.1	719.2	721.6	720.1	718.2	717.7	715.8	719.2
10°	710.1	710.5	712.0	714.4	714.9	719.2	716.8	713.4	712.0	710.1	713.4
12.5°	705.7	706.2	707.7	710.5	711.5	717.3	714.9	709.6	707.2	705.3	708.6
15°	704.8	705.3	707.2	710.1	711.5	717.3	714.9	708.6	705.3	702.9	705.7
17.5°	704.8	705.7	708.6	712.9	715.8	721.6	718.7	711.5	706.7	702.4	705.3
20°	705.3	706.7	711.0	717.3	724.5	732.6	728.8	719.2	712.5	707.2	709.1
22.5°	709.6	712.0	717.3	725.4	736.0	745.6	742.2	729.2	719.7	712.5	714.4
25°	724.5	725.4	732.1	742.7	752.8	760.9	757.6	745.6	733.6	724.9	727.3
27.5°	750.8	753.2	759.0	770.0	778.7	783.0	782.5	774.3	762.4	754.7	756.6
30°	782.5	784.9	792.6	805.1	813.7	818.5	817.0	810.8	799.8	789.2	791.1
32.5°	819.4	820.4	829.5	843.4	852.5	859.7	854.9	848.2	834.3	821.8	822.8
35°	866.5	867.9	877.5	890.5	897.6	903.4	902.4	895.7	880.9	867.4	870.8
37.5°	925.5	926.4	935.1	951.4	957.1	961.5	962.4	959.1	943.7	926.4	929.8
40°	998.9	999.4	1009.0	1023.3	1029.6	1032.5	1032.9	1033.4	1017.6	1004.6	1003.7
42.5°	1084.3	1086.7	1100.1	1114.0	1116.9	1115.5	1120.3	1125.1	1109.7	1092.0	1093.4
45°	1186.5	1187.9	1206.1	1221.5	1216.2	1211.4	1220.5	1230.1	1216.2	1193.2	1186.5
47.5°	1307.4	1310.2	1329.9	1345.3	1336.6	1328.0	1342.9	1352.9	1330.4	1305.9	1299.7
50°	1444.1	1446.0	1473.8	1493.0	1483.0	1467.1	1485.8	1496.4	1466.2	1435.9	1422.5
52.5°	1605.8	1601.9	1638.9	1672.5	1666.2	1645.6	1661.0	1662.9	1617.8	1575.1	1561.6
55°	1803.0	1799.1	1836.1	1873.0	1888.4	1883.1	1875.9	1864.4	1797.7	1752.1	1739.6
57.5°	2032.8	2020.8	2072.6	2122.5	2156.1	2165.7	2135.0	2108.1	2055.3	1999.2	1984.8
60°	2246.3	2245.8	2327.8	2414.2	2506.3	2544.7	2467.0	2394.0	2275.5	2173.4	2152.7
62.5°	2306.2	2316.3	2450.7	2664.6	2892.0	3027.8	2823.0	2581.6	2352.8	2198.8	2171.4
65°	2158.5	2183.4	2374.4	2712.1	3161.2	3493.2	3030.7	2586.0	2266.9	2075.0	2046.2
67.5°	1590.9	1640.8	1893.6	2447.3	3138.2	3612.7	2993.8	2346.5	1969.0	1740.6	1700.8
70°	784.9	832.4	1032.9	1610.1	2582.1	3229.3	2590.3	1768.4	1329.9	1110.2	1073.7
72.5°	288.8	308.0	386.7	688.9	1424.9	2385.4	1771.3	987.8	644.3	512.9	488.4
75°	141.5	144.9	156.9	231.2	525.8	1122.7	832.4	379.0	237.0	206.3	199.6
77.5°	90.2	91.6	97.4	110.3	168.9	353.6	252.4	149.7	116.1	111.3	111.3
80°	50.4	51.8	59.5	68.6	79.2	121.4	90.7	89.7	76.3	66.7	65.2
82.5°	24.0	26.4	37.9	37.4	41.7	60.9	53.3	48.5	48.9	36.9	35.0
85°	11.0	11.0	14.9	17.8	18.7	20.6	24.5	27.8	27.3	18.7	20.2
87.5°	5.3	5.3	5.3	4.8	4.3	3.8	5.3	8.6	12.5	8.6	8.2
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)