

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: P629826

Luminaire Tested: GWS-SA1C-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2529.5 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

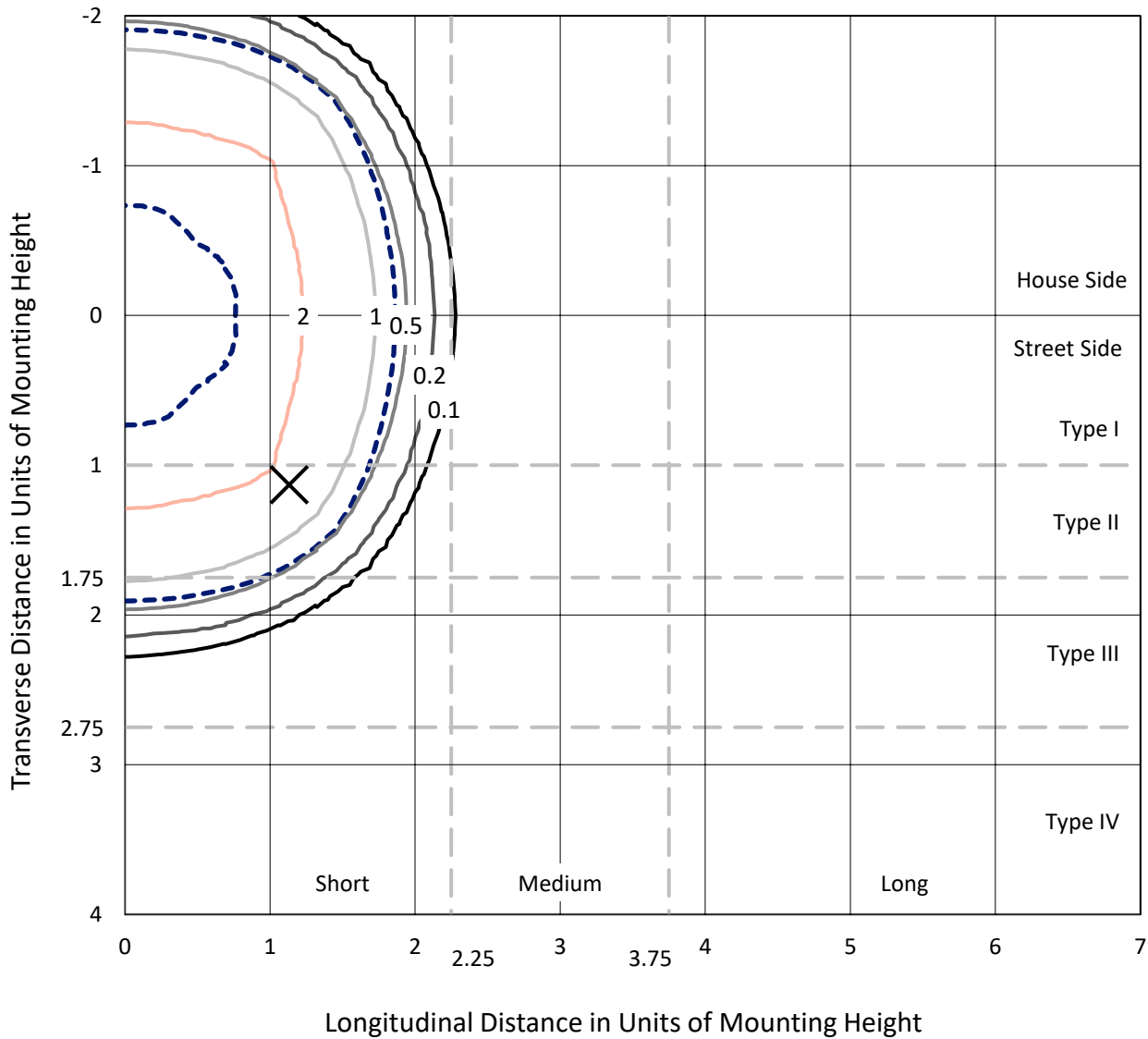
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

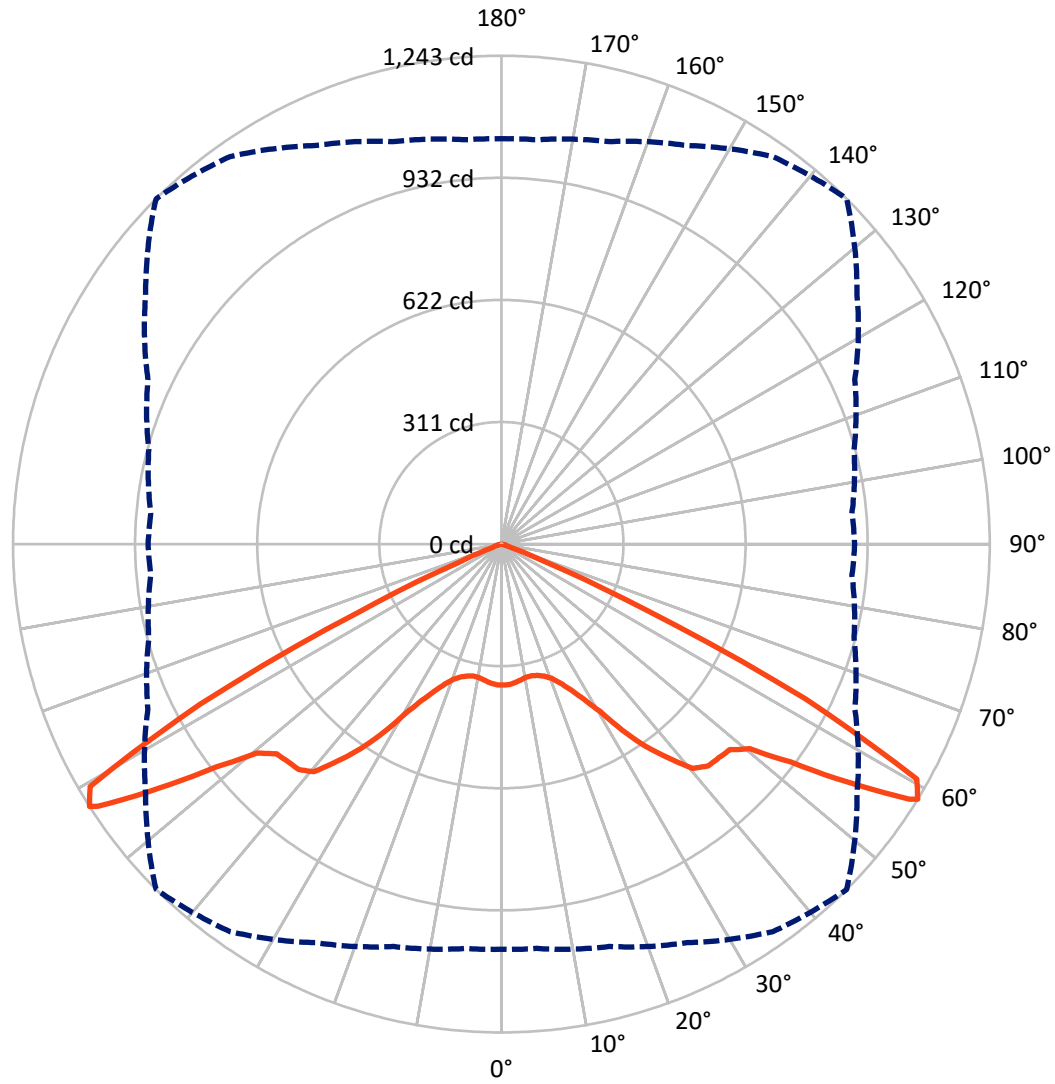
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.7	0.0	1264.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1264.7	0.0	1264.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2529.5	0.0	2529.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	1.3
10°-20°	99.0	3.9
20°-30°	187.3	7.4
30°-40°	369.4	14.6
40°-50°	584.6	23.1
50°-60°	859.3	34.0
60°-70°	383.5	15.2
70°-80°	12.8	0.5
80°-90°	0.1	0.0
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°	2529.5	100.0
0°-180°	2529.5	100.0

Coefficient of Utilization



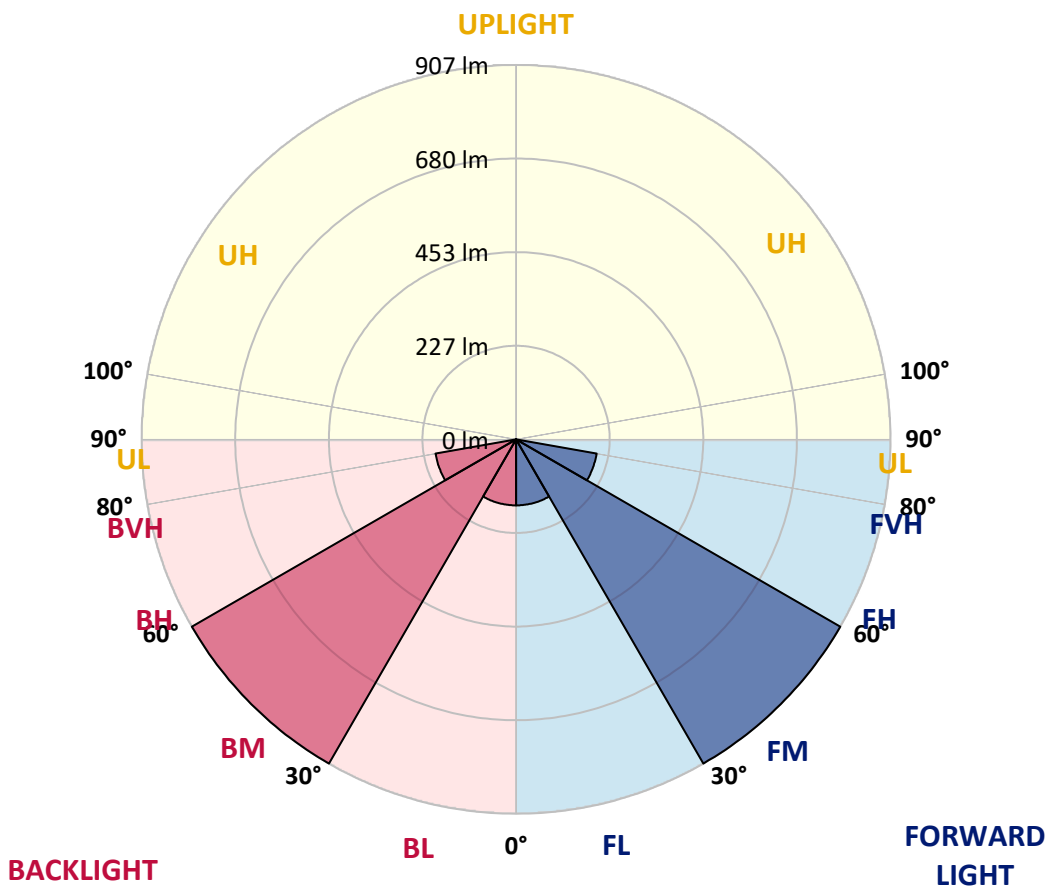
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.9	6.3			
FM (30°-60°)	906.6	35.8			
FH (60°-80°)	198.2	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	159.9	6.3	B1/500		
BM (30°-60°)	906.6	35.8	B1/1000		
BH (60°-80°)	198.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7	358.7
2.5°	355.3	356.0	356.6	357.0	357.3	358.4	358.7	357.7	357.7	355.6	358.0
5°	353.5	354.2	354.9	354.6	354.6	354.6	354.2	352.9	352.5	350.4	352.9
7.5°	350.4	351.1	351.1	350.1	349.4	349.4	349.1	347.3	347.0	344.9	347.3
10°	348.0	348.4	348.0	346.0	344.6	344.6	344.2	343.6	343.9	342.5	344.6
12.5°	349.4	349.8	348.4	345.6	343.9	343.6	342.5	341.5	342.5	342.2	344.2
15°	353.9	354.2	351.8	348.4	347.0	347.0	344.2	341.5	342.9	343.2	345.6
17.5°	359.4	359.4	356.3	353.2	353.5	353.5	349.1	344.2	344.6	346.0	348.4
20°	366.0	366.0	362.9	362.2	364.6	364.9	359.4	351.8	350.1	351.1	353.9
22.5°	377.7	377.7	375.3	377.0	382.5	384.2	375.9	365.3	361.1	361.8	364.6
25°	395.9	395.9	395.2	399.4	407.3	411.1	400.1	385.9	379.0	378.0	381.1
27.5°	426.6	426.9	425.9	432.1	442.1	446.6	431.4	412.8	404.5	402.8	405.9
30°	466.2	466.2	466.6	475.2	488.3	494.1	474.2	452.4	442.8	437.3	441.4
32.5°	510.3	511.0	514.5	528.9	552.0	564.1	534.8	504.5	489.0	483.1	487.6
35°	583.0	576.5	572.4	583.0	616.5	632.3	594.8	559.3	547.6	546.9	558.2
37.5°	655.1	651.3	642.7	653.7	683.7	690.9	649.5	619.9	611.6	616.1	627.5
40°	712.3	705.4	694.0	704.3	743.6	750.9	699.9	670.6	667.5	677.5	693.0
42.5°	757.4	747.8	732.6	735.0	766.7	771.9	726.7	704.7	706.8	719.2	736.7
45°	777.7	770.2	756.7	755.7	775.7	776.0	740.5	729.1	734.7	744.3	758.1
47.5°	786.4	782.9	775.3	773.6	785.0	782.2	760.2	755.3	760.5	763.3	771.2
50°	807.7	807.7	808.7	810.1	821.8	819.1	803.6	798.1	791.5	781.9	784.3
52.5°	867.7	870.1	880.1	891.1	912.5	921.4	896.3	864.2	832.9	811.9	811.9
55°	975.9	978.3	990.0	1008.6	1047.9	1069.3	1010.7	940.0	897.0	868.4	872.2
57.5°	1035.5	1038.2	1062.4	1112.7	1188.8	1225.0	1099.2	994.5	934.2	901.4	904.2
58°	1031.7	1033.4	1060.6	1119.6	1204.3	1243.3	1105.4	992.8	929.4	895.9	899.4
60°	916.6	914.2	957.6	1041.7	1161.3	1215.0	1043.8	906.3	832.5	798.4	800.1
62.5°	599.2	600.6	638.2	726.0	819.1	869.7	729.1	626.8	567.5	546.9	541.7
65°	250.2	245.7	268.8	317.7	373.5	401.8	345.3	292.2	255.7	241.9	245.7
67.5°	64.4	62.7	64.1	80.3	98.2	116.1	97.5	74.4	64.8	65.5	65.5
70°	36.5	34.5	27.9	25.8	25.2	25.2	25.2	25.2	28.9	34.1	35.1
72.5°	27.6	25.8	20.3	17.6	15.5	14.5	15.2	17.6	21.0	25.5	26.2
75°	13.8	13.8	12.4	11.7	10.3	9.6	10.0	11.0	12.7	14.5	14.1
77.5°	2.8	3.1	3.4	4.1	3.4	3.4	3.4	4.1	4.1	4.5	4.1
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)