

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: P630038

Luminaire Tested: GWS-SA1C-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2332.9 lumens
Efficiency: N/A
Efficacy: 68.4 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

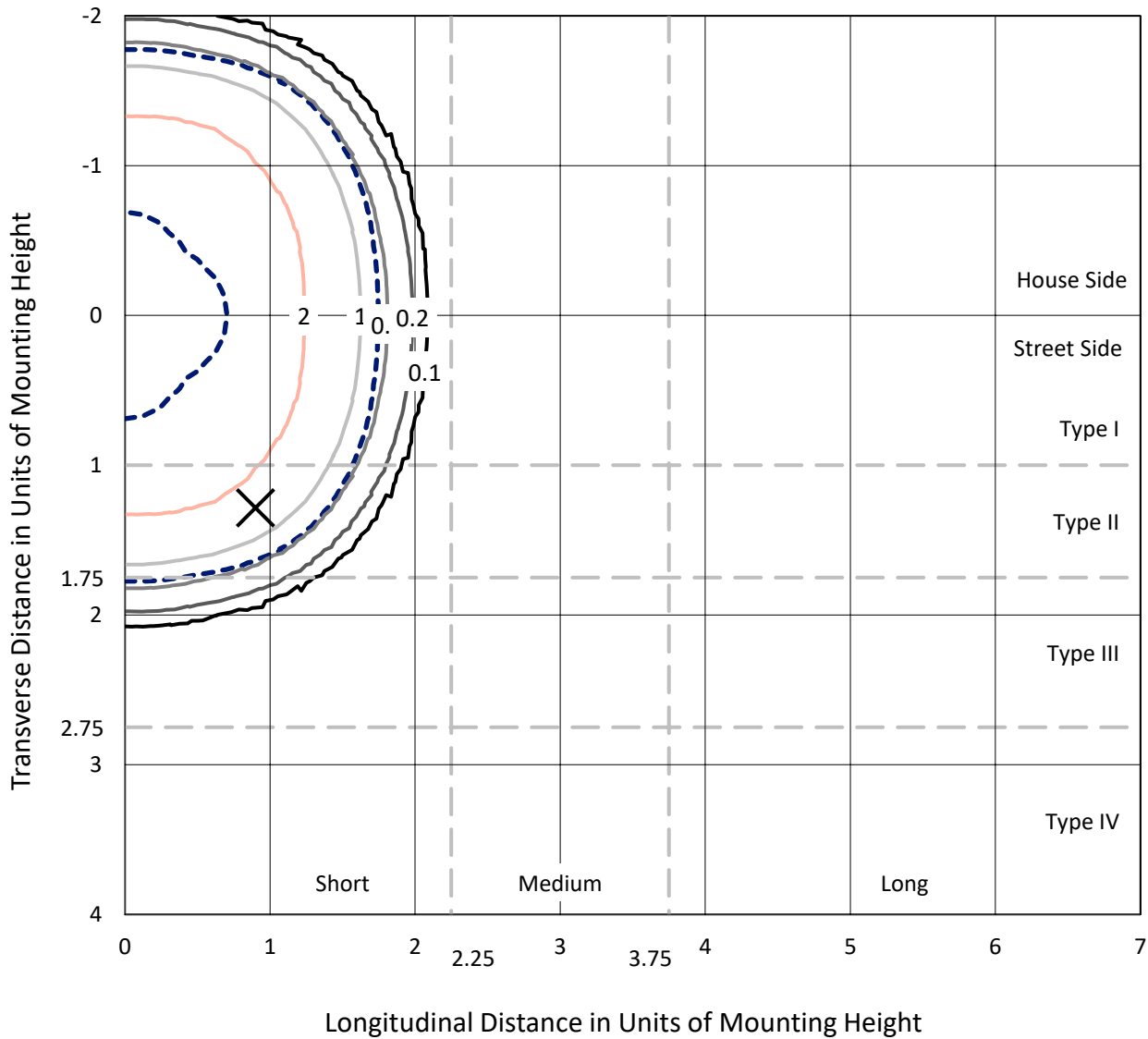
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

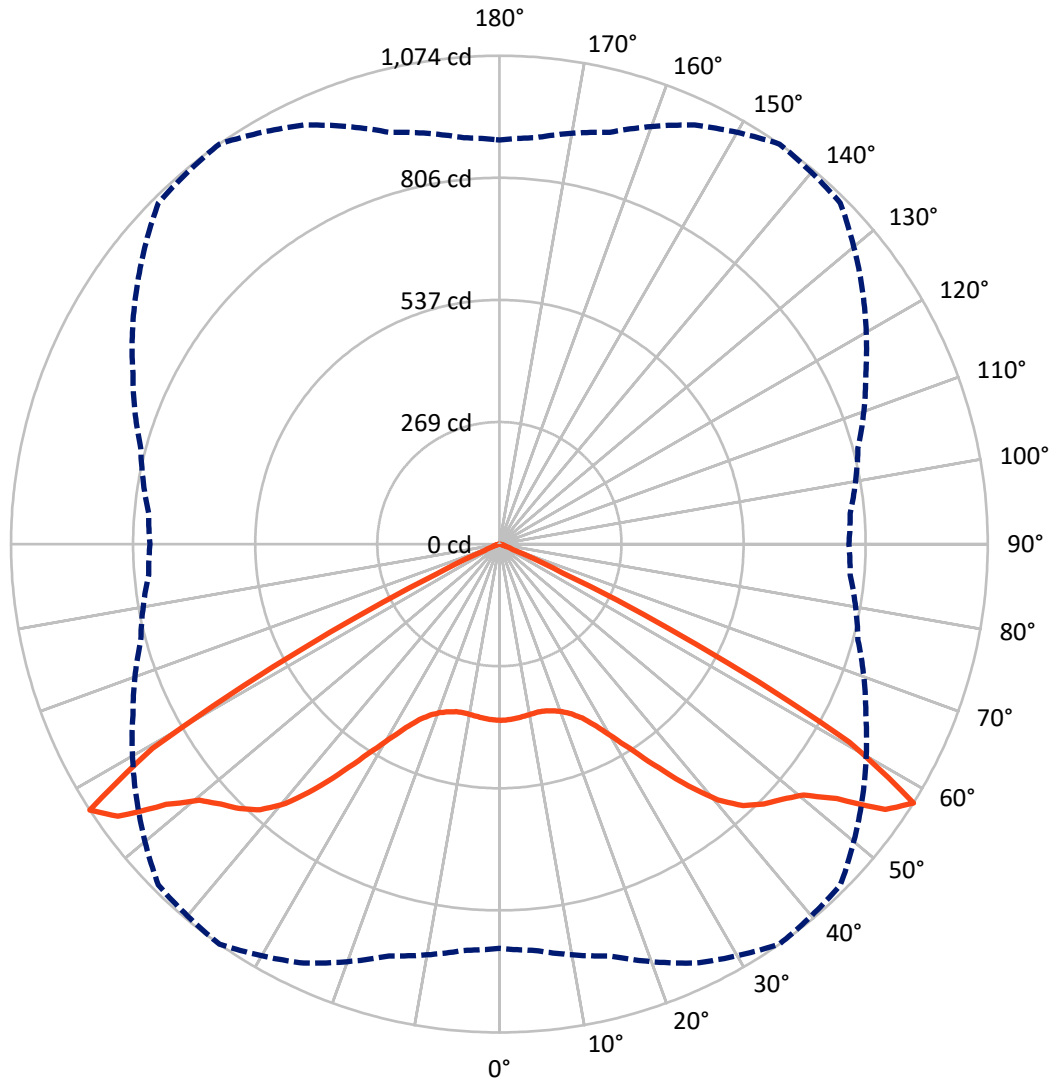
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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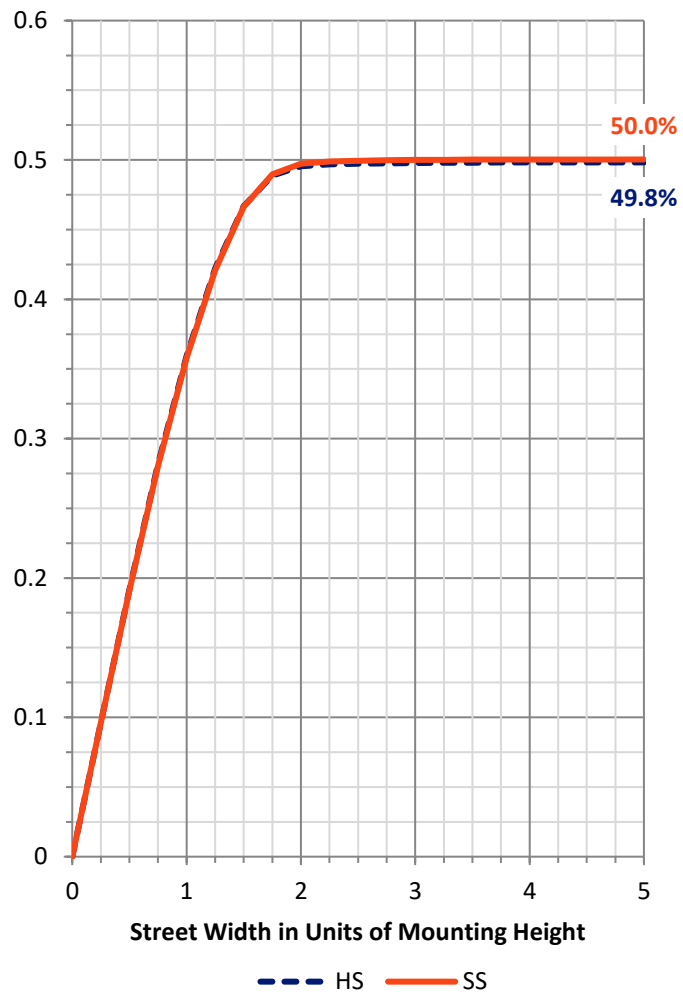
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.5	0.0	1166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1166.5	0.0	1166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2332.9	0.0	2332.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	1.6
10°-20°	107.5	4.6
20°-30°	194.3	8.3
30°-40°	362.5	15.5
40°-50°	608.1	26.1
50°-60°	803.0	34.4
60°-70°	213.3	9.1
70°-80°	7.6	0.3
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°	2332.9	100.0
0°-180°	2332.9	100.0

Coefficient of Utilization



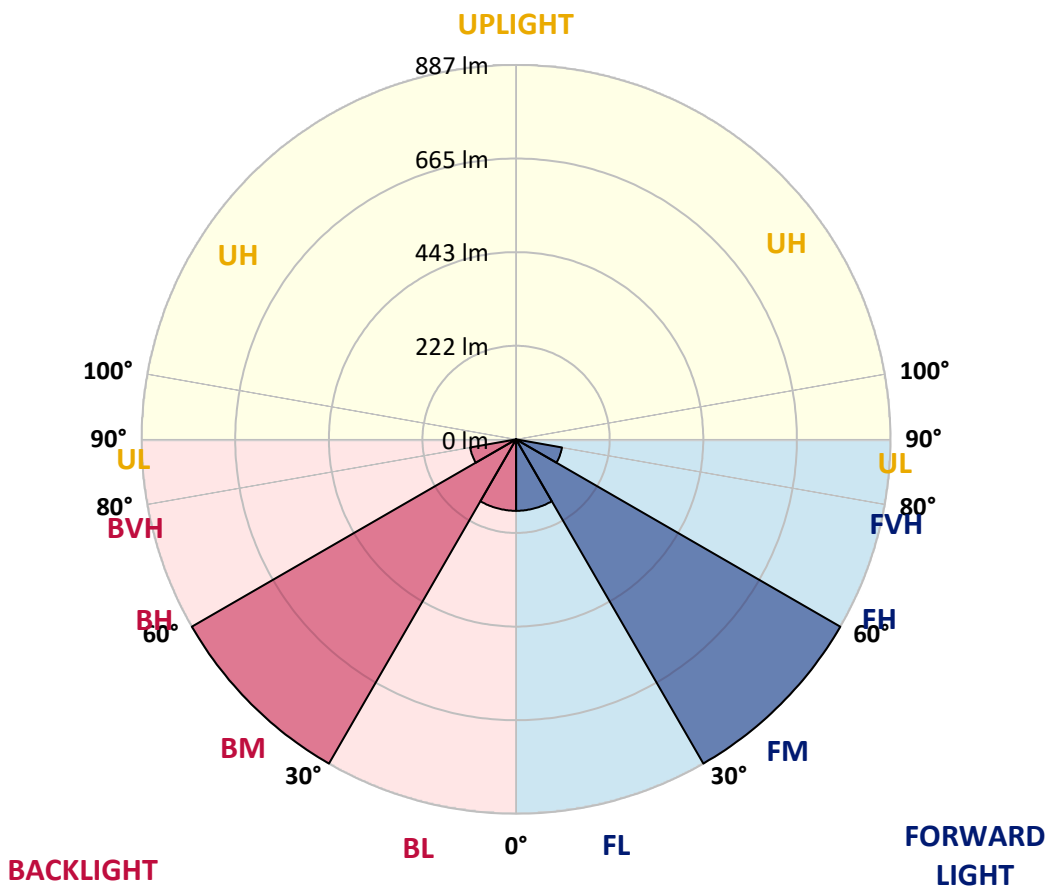
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.2	7.3			
FM (30°-60°)	886.8	38.0			
FH (60°-80°)	110.4	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	169.2	7.3	B1/500		
BM (30°-60°)	886.8	38.0	B1/1000		
BH (60°-80°)	110.4	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	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°	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9
2.5°	385.1	384.9	385.9	386.8	386.8	388.7	388.1	387.6	387.0	386.2	388.1
5°	384.6	384.3	385.1	385.7	385.1	386.8	385.7	384.6	384.0	382.9	385.1
7.5°	382.1	382.4	382.9	383.5	382.7	384.0	382.7	381.0	379.7	378.6	380.5
10°	378.3	378.6	379.1	380.2	380.5	382.4	380.5	377.5	375.5	373.9	375.8
12.5°	376.4	376.6	377.5	378.8	379.1	381.6	379.1	374.7	372.0	370.1	372.0
15°	376.9	377.5	378.6	380.2	380.7	383.2	379.9	374.2	370.3	367.9	369.5
17.5°	378.8	379.4	381.0	383.8	385.7	388.1	384.0	376.6	371.4	367.9	369.5
20°	381.3	382.1	384.9	389.2	393.3	397.7	392.5	382.4	375.5	371.2	372.5
22.5°	388.1	389.0	392.8	398.5	405.4	410.9	404.6	391.7	382.4	376.6	378.0
25°	402.1	402.9	407.8	415.2	424.0	431.1	423.2	407.0	395.0	388.4	389.0
27.5°	424.0	424.8	430.6	441.0	452.7	462.9	451.4	432.5	418.8	411.1	411.1
30°	451.6	452.7	460.4	474.4	492.7	506.1	490.5	467.5	450.0	439.6	439.9
32.5°	487.2	486.1	497.1	516.2	542.2	560.0	537.0	509.1	487.5	473.0	474.4
35°	532.9	532.7	545.0	571.0	604.9	626.3	598.9	562.8	536.8	522.0	522.3
37.5°	591.8	591.5	605.7	633.9	674.7	692.5	661.9	625.2	597.3	583.0	584.7
40°	660.8	659.1	671.7	698.8	739.6	751.1	717.7	688.1	661.3	652.3	656.7
42.5°	726.5	722.9	730.3	754.9	786.4	788.0	762.9	742.6	724.3	717.2	719.9
45°	779.3	776.6	783.4	797.6	815.7	807.5	795.4	789.1	774.4	766.7	769.2
47.5°	818.7	818.7	826.9	835.7	838.4	823.4	825.3	825.3	810.5	798.5	795.4
50°	852.6	855.1	867.4	876.5	867.4	848.3	859.2	857.0	826.9	802.8	796.5
52.5°	906.8	909.3	928.2	940.5	930.4	911.5	912.9	885.5	841.2	812.7	802.8
55°	964.3	970.3	997.7	1030.6	1030.8	1011.4	975.3	926.8	872.9	842.0	831.8
57.5°	889.1	897.3	938.0	1017.2	1074.4	1061.0	974.7	889.6	816.8	774.6	768.9
60°	611.8	626.0	666.8	774.9	885.2	890.4	788.6	693.1	609.6	557.6	558.7
62.5°	258.4	272.9	295.9	384.9	486.1	492.4	443.2	374.7	306.6	269.1	274.8
65°	60.8	64.9	71.7	106.5	154.4	161.5	148.9	116.1	85.7	72.5	73.9
67.5°	26.6	27.1	25.7	27.4	33.9	34.8	33.7	29.6	27.9	28.5	28.5
70°	18.6	18.9	17.8	17.0	16.1	15.1	15.6	17.2	18.6	19.7	19.4
72.5°	11.5	11.8	12.0	12.0	11.2	10.1	10.7	11.8	12.0	12.3	12.0
75°	5.7	6.0	6.6	6.8	6.6	6.3	6.3	6.6	6.6	6.3	6.3
77.5°	1.1	1.4	1.9	2.2	2.2	2.2	2.2	2.2	2.5	2.2	2.2
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	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	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)