

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: P629606

Luminaire Tested: GWS-SA1C-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629606
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1863.2 lumens
Efficiency: N/A
Efficacy: 54.6 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

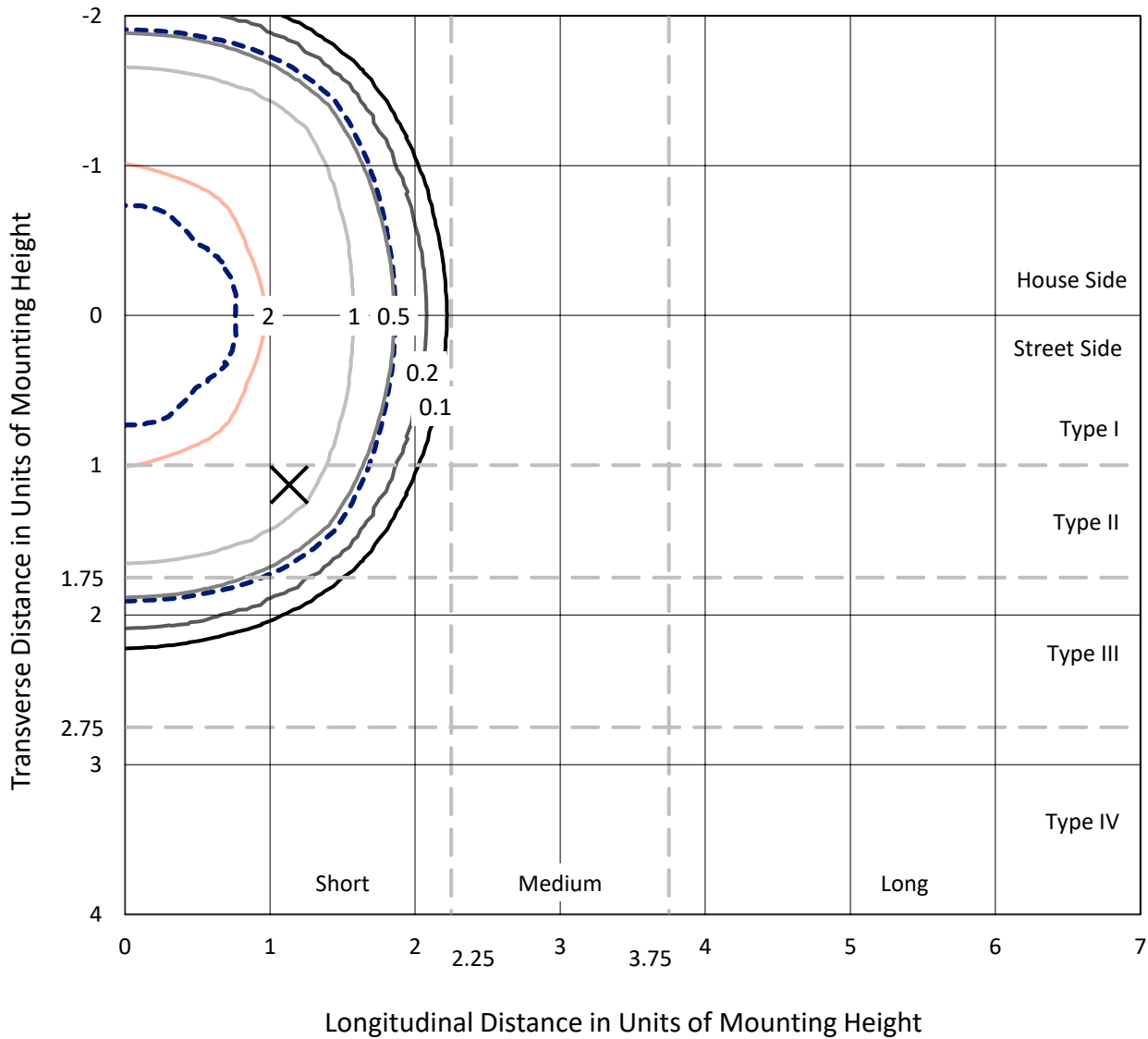


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Iso-Footcandle Lines of Horizontal Illumination

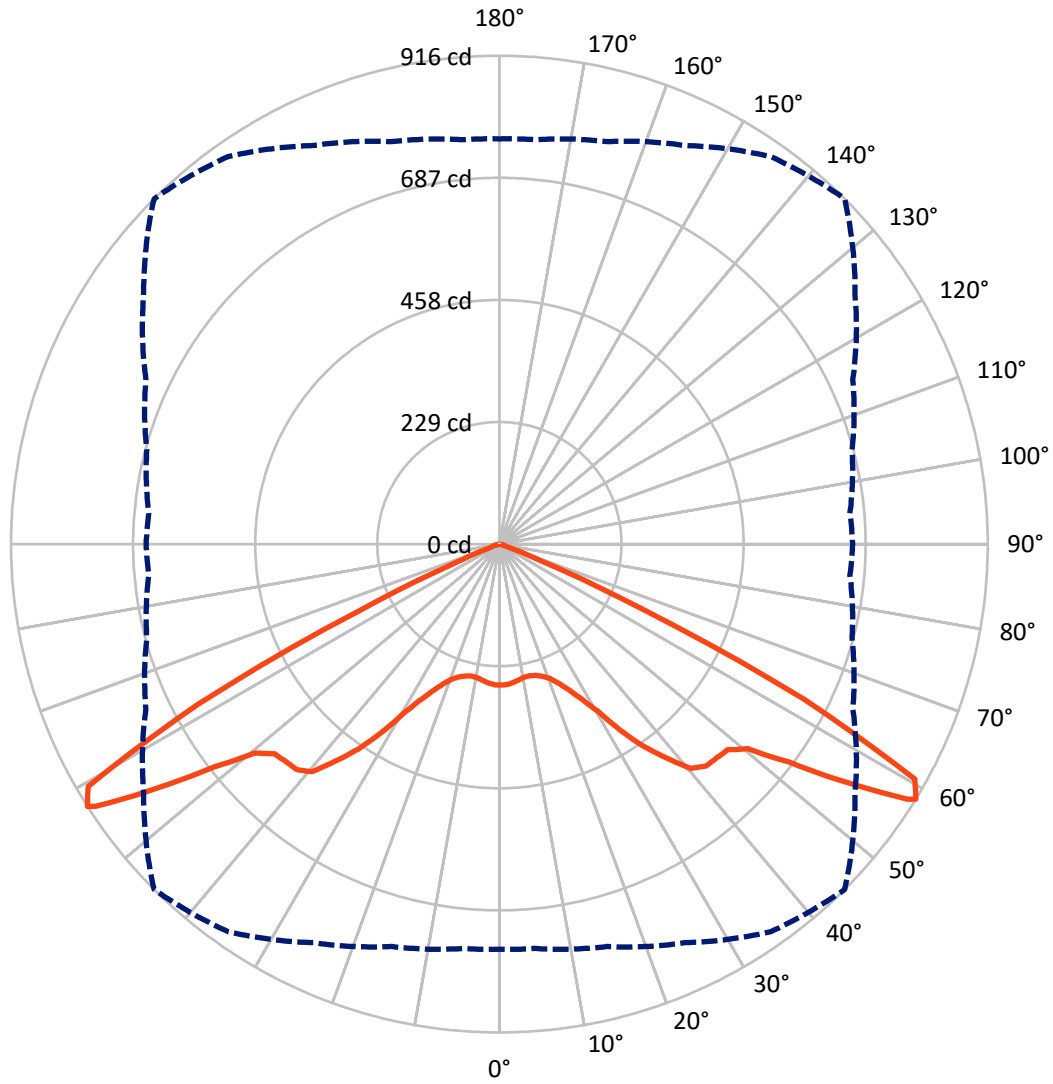
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 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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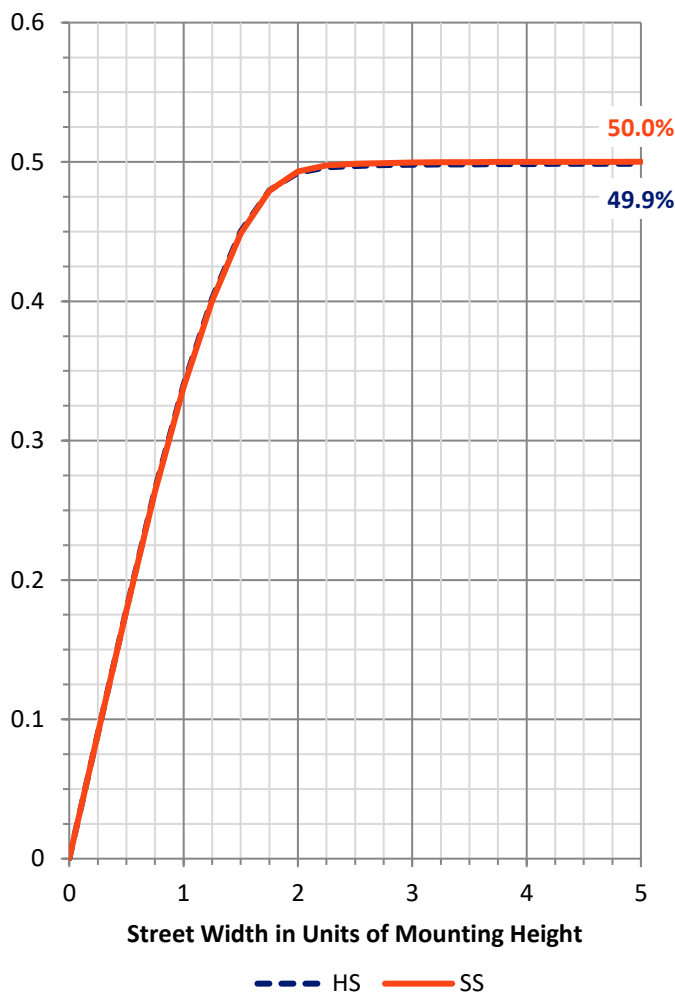
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	931.6	0.0	931.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	931.6	0.0	931.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1863.2	0.0	1863.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.3
10°-20°	72.9	3.9
20°-30°	138.0	7.4
30°-40°	272.1	14.6
40°-50°	430.6	23.1
50°-60°	632.9	34.0
60°-70°	282.5	15.2
70°-80°	9.5	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°	1863.2	100.0
0°-180°	1863.2	100.0

Coefficient of Utilization



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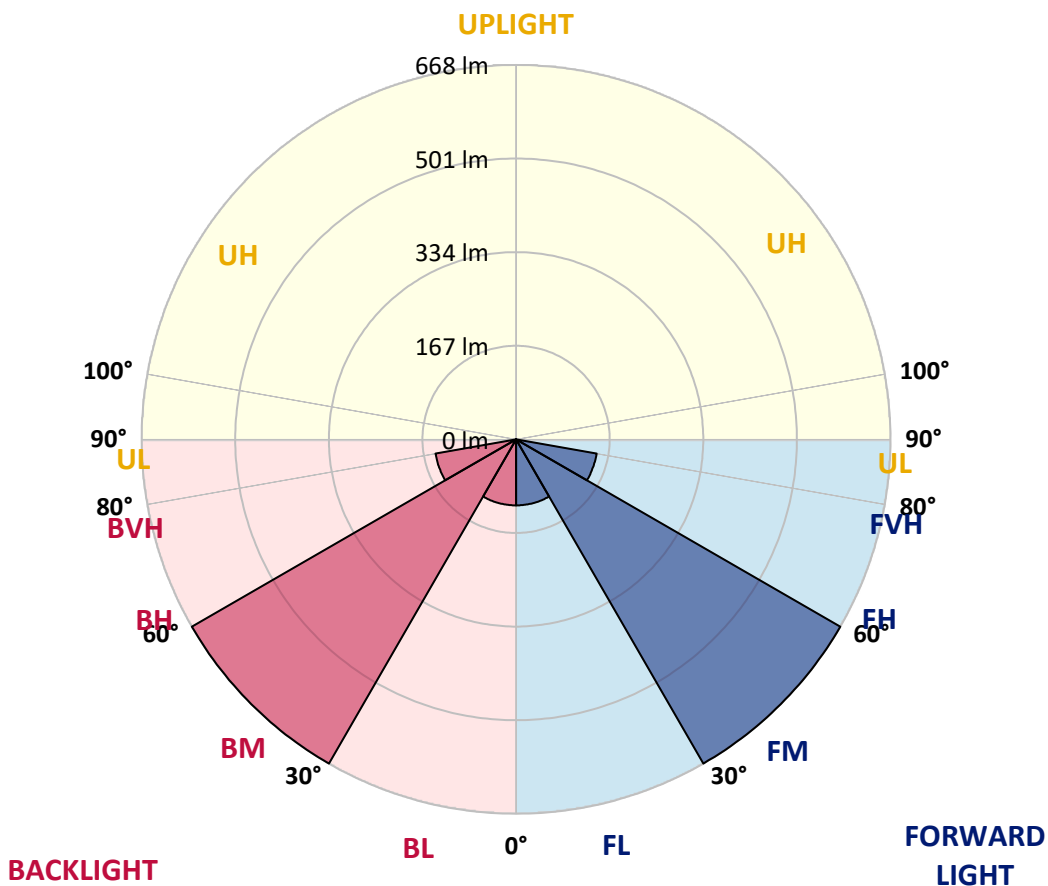
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.8	6.3			
FM (30°-60°)	667.8	35.8			
FH (60°-80°)	146.0	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	117.8	6.3	B1/500		
BM (30°-60°)	667.8	35.8	B1/1000		
BH (60°-80°)	146.0	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°	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2	264.2
2.5°	261.7	262.2	262.7	263.0	263.2	264.0	264.2	263.5	263.5	261.9	263.7
5°	260.4	260.9	261.4	261.2	261.2	261.2	260.9	259.9	259.7	258.1	259.9
7.5°	258.1	258.6	258.6	257.9	257.4	257.4	257.1	255.9	255.6	254.1	255.9
10°	256.4	256.6	256.4	254.8	253.8	253.8	253.6	253.1	253.3	252.3	253.8
12.5°	257.4	257.6	256.6	254.6	253.3	253.1	252.3	251.5	252.3	252.0	253.6
15°	260.7	260.9	259.2	256.6	255.6	255.6	253.6	251.5	252.6	252.8	254.6
17.5°	264.7	264.7	262.4	260.2	260.4	260.4	257.1	253.6	253.8	254.8	256.6
20°	269.6	269.6	267.3	266.8	268.5	268.8	264.7	259.2	257.9	258.6	260.7
22.5°	278.2	278.2	276.4	277.7	281.7	283.0	276.9	269.0	266.0	266.5	268.5
25°	291.6	291.6	291.1	294.2	300.0	302.8	294.7	284.3	279.2	278.4	280.7
27.5°	314.2	314.5	313.7	318.3	325.7	329.0	317.8	304.1	298.0	296.7	299.0
30°	343.4	343.4	343.7	350.0	359.7	364.0	349.3	333.3	326.2	322.1	325.1
32.5°	375.9	376.4	379.0	389.6	406.6	415.5	393.9	371.6	360.2	355.9	359.2
35°	429.5	424.6	421.6	429.5	454.1	465.8	438.1	411.9	403.3	402.8	411.2
37.5°	482.5	479.7	473.4	481.5	503.6	508.9	478.5	456.6	450.5	453.8	462.2
40°	524.6	519.6	511.2	518.8	547.7	553.1	515.5	493.9	491.6	499.0	510.4
42.5°	557.9	550.8	539.6	541.4	564.7	568.6	535.3	519.1	520.6	529.7	542.7
45°	572.9	567.3	557.4	556.6	571.3	571.6	545.5	537.1	541.1	548.3	558.4
47.5°	579.2	576.7	571.1	569.8	578.2	576.2	559.9	556.4	560.2	562.2	568.0
50°	595.0	595.0	595.7	596.7	605.4	603.3	591.9	587.8	583.0	575.9	577.7
52.5°	639.1	640.9	648.3	656.4	672.1	678.7	660.2	636.6	613.5	598.0	598.0
55°	718.8	720.6	729.2	742.9	771.9	787.6	744.5	692.4	660.7	639.6	642.4
57.5°	762.7	764.8	782.5	819.6	875.7	902.3	809.7	732.5	688.1	664.0	666.0
58°	759.9	761.2	781.3	824.7	887.1	915.8	814.3	731.3	684.6	659.9	662.5
60°	675.2	673.4	705.4	767.3	855.4	895.0	768.8	667.5	613.2	588.1	589.4
62.5°	441.4	442.4	470.1	534.8	603.3	640.6	537.1	461.7	418.0	402.8	399.0
65°	184.3	181.0	198.0	234.0	275.1	296.0	254.3	215.2	188.3	178.2	181.0
67.5°	47.5	46.2	47.2	59.1	72.3	85.5	71.8	54.8	47.7	48.2	48.2
70°	26.9	25.4	20.6	19.0	18.5	18.5	18.5	18.5	21.3	25.1	25.9
72.5°	20.3	19.0	15.0	12.9	11.4	10.7	11.2	12.9	15.5	18.8	19.3
75°	10.2	10.2	9.1	8.6	7.6	7.1	7.4	8.1	9.4	10.7	10.4
77.5°	2.0	2.3	2.5	3.0	2.5	2.5	2.5	3.0	3.0	3.3	3.0
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)