

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: P628778

Luminaire Tested: GWS-SA1A-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1973.7 lumens
Efficiency: N/A
Efficacy: 100.2 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): 19.7
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

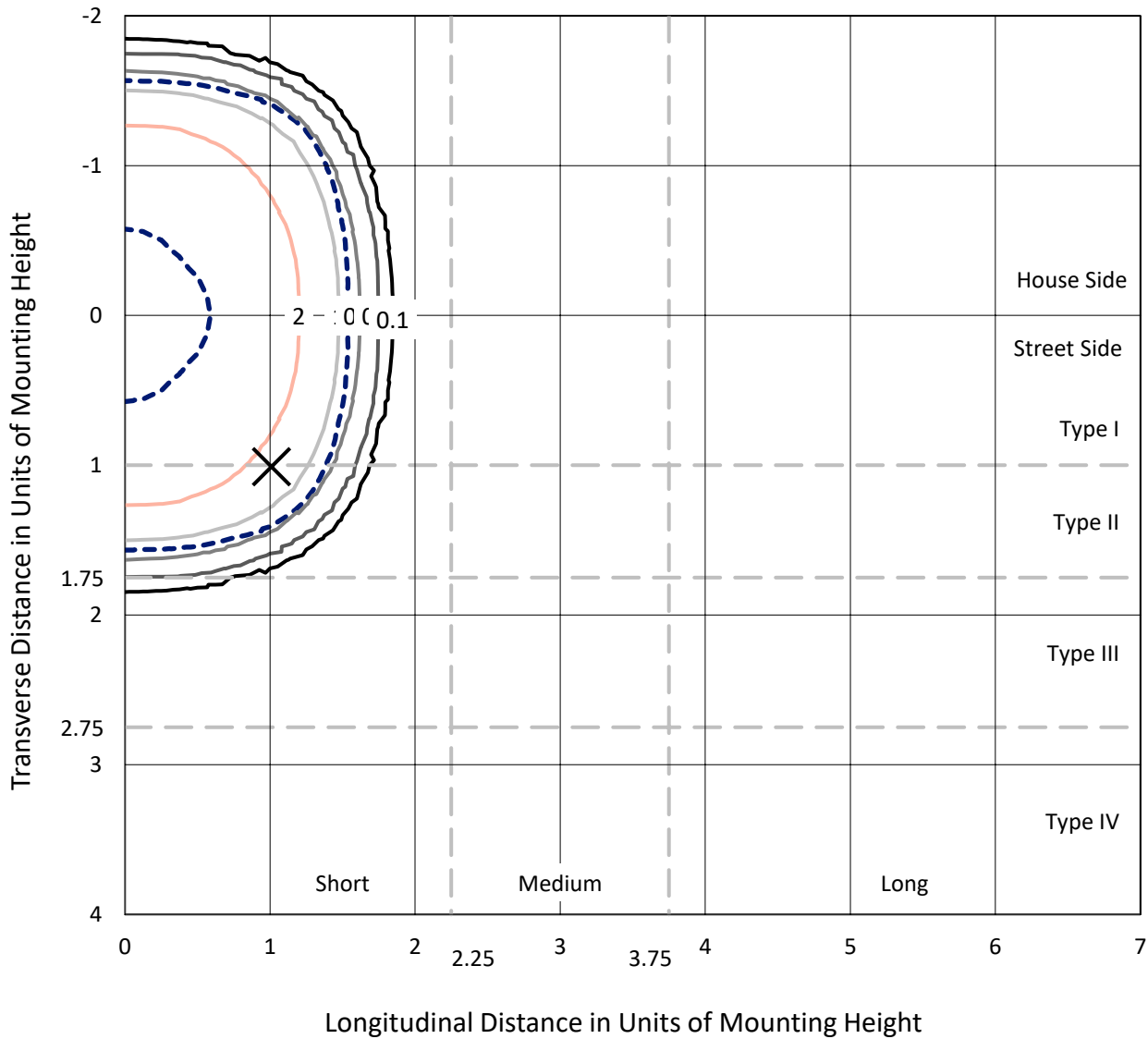


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Iso-Footcandle Lines of Horizontal Illumination

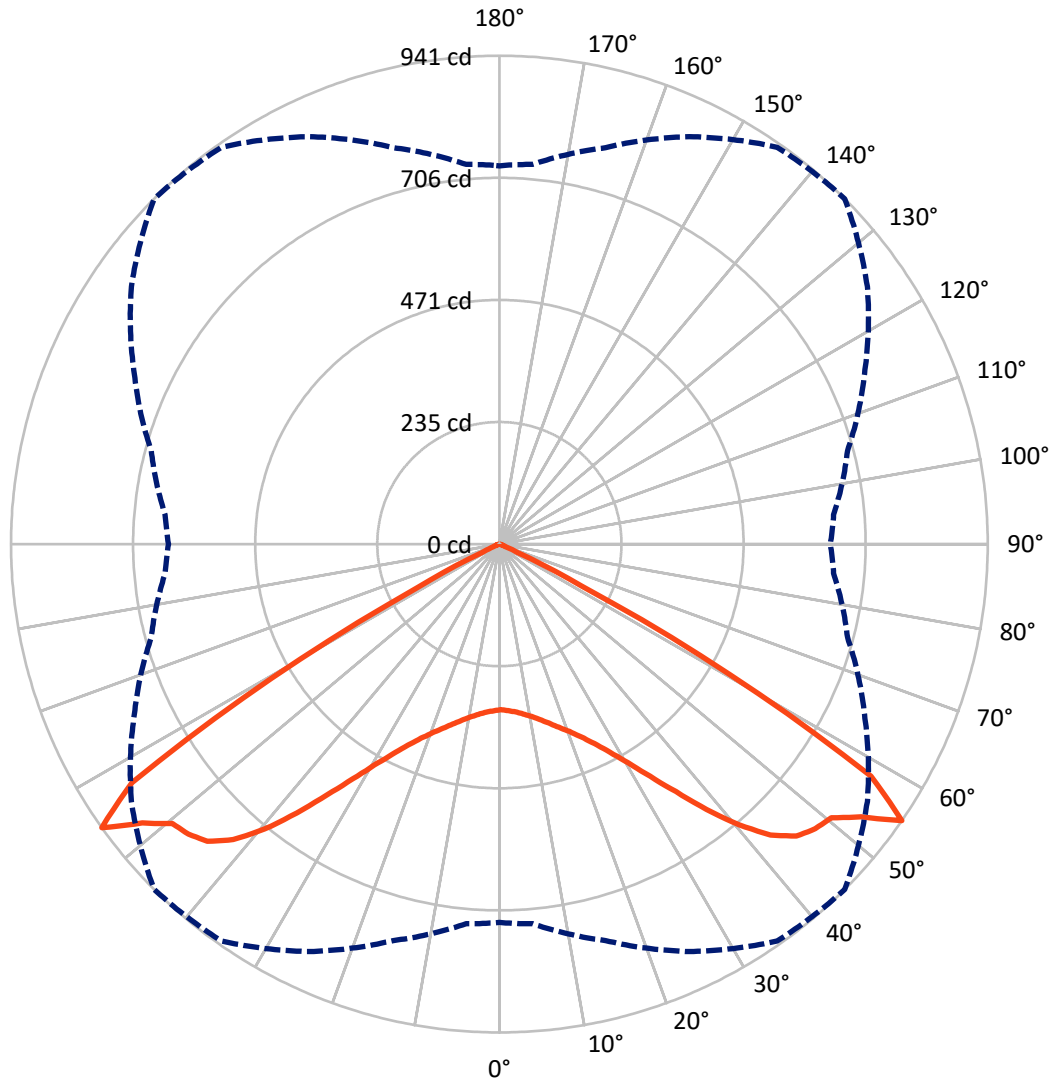
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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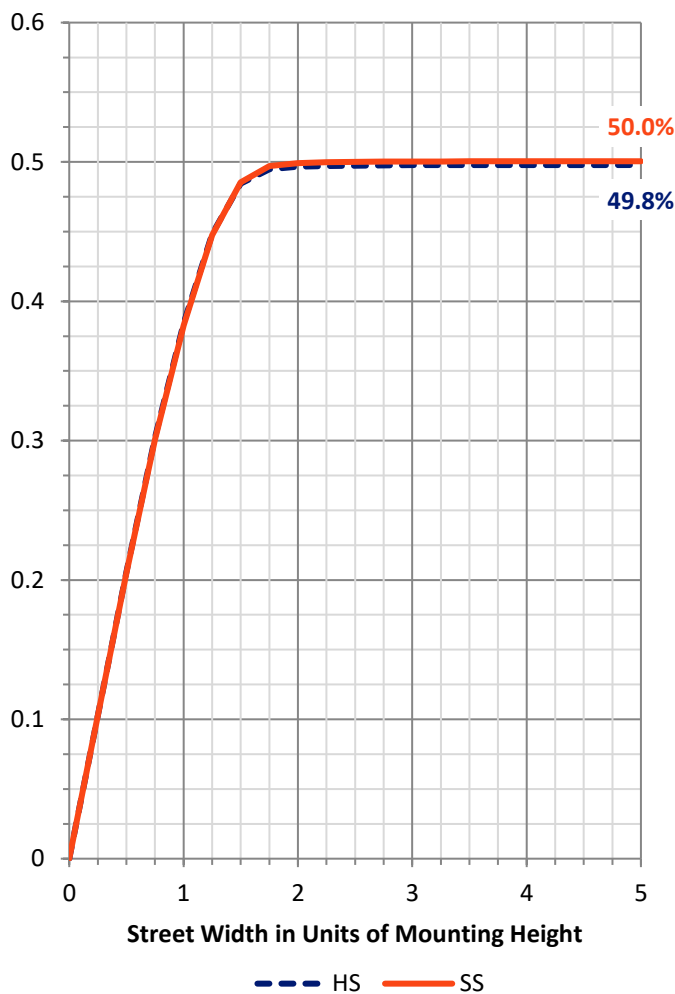
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	986.8	0.0	986.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	986.8	0.0	986.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	1973.7	0.0	1973.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.6
10°-20°	101.3	5.1
20°-30°	196.3	9.9
30°-40°	351.6	17.8
40°-50°	589.5	29.9
50°-60°	631.1	32.0
60°-70°	69.4	3.5
70°-80°	3.0	0.2
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°	1973.7	100.0
0°-180°	1973.7	100.0

Coefficient of Utilization



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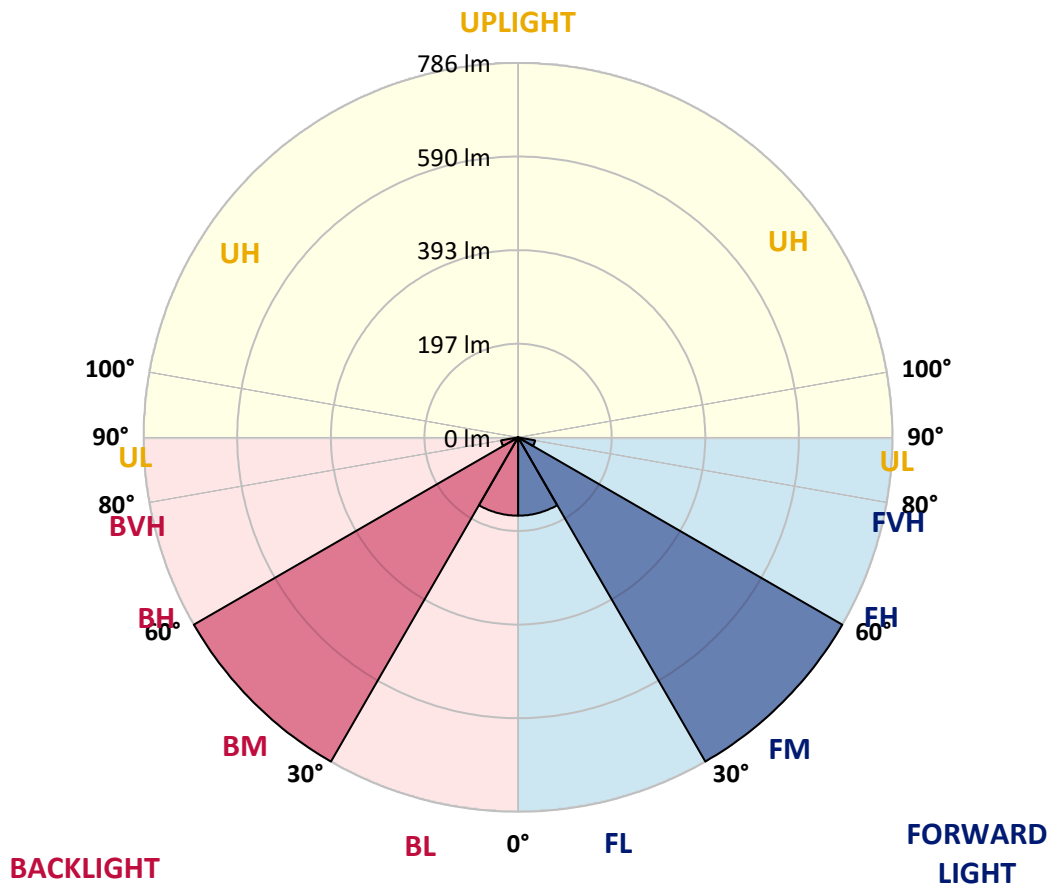
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.4	8.3			
FM (30°-60°)	786.1	39.8			
FH (60°-80°)	36.2	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	164.4	8.3	B1/500		
BM (30°-60°)	786.1	39.8	B1/1000		
BH (60°-80°)	36.2	1.8	B0/110		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°	319.1	319.1	319.1	319.1	319.1	319.1	319.1	319.1	319.1	319.1	319.1
2.5°	318.5	318.5	319.3	319.9	319.9	321.5	320.9	320.3	320.3	319.5	321.1
5°	323.1	322.9	323.7	324.1	323.3	324.9	323.9	323.3	322.9	322.1	323.7
7.5°	328.2	328.4	328.6	329.4	329.0	330.6	329.8	328.6	328.2	327.0	328.6
10°	334.2	334.2	334.6	335.6	335.8	337.8	337.0	335.6	334.4	333.2	334.8
12.5°	341.8	342.0	342.6	344.0	344.8	347.1	345.9	343.0	341.2	339.8	341.6
15°	352.9	352.7	353.5	355.5	356.5	358.1	356.3	352.5	350.3	348.7	349.9
17.5°	365.0	365.0	365.4	367.4	368.8	371.2	369.0	364.4	362.3	360.1	361.3
20°	378.2	378.8	379.2	380.6	383.1	385.5	383.7	379.0	376.8	374.0	375.4
22.5°	395.7	395.1	395.3	397.7	401.1	403.6	402.2	396.7	392.9	390.7	391.5
25°	415.2	415.0	415.6	419.2	423.1	425.7	423.7	416.6	412.8	409.0	410.6
27.5°	439.2	439.4	439.8	444.2	450.2	454.0	449.0	442.0	436.7	431.7	432.9
30°	467.5	467.1	468.3	474.3	483.2	489.2	483.4	473.5	466.1	461.3	461.9
32.5°	497.7	498.1	501.3	510.9	522.6	533.3	521.4	508.3	498.7	489.6	490.8
35°	530.2	531.2	538.5	552.8	571.9	586.1	569.7	548.1	534.5	522.8	523.2
37.5°	568.6	571.1	581.1	602.4	629.8	648.9	624.7	596.2	578.5	564.0	563.0
40°	619.1	621.9	635.6	660.9	694.1	711.6	683.7	654.3	632.4	616.7	614.3
42.5°	677.0	680.6	695.5	721.5	754.6	766.5	739.2	714.4	694.7	676.2	675.4
45°	742.4	744.4	756.5	776.4	800.3	803.1	782.6	768.9	749.0	731.7	730.3
47.5°	803.7	805.7	814.0	824.2	829.8	819.8	816.2	810.1	784.4	763.1	758.7
50°	850.4	852.0	862.2	866.2	850.6	829.2	836.3	823.4	795.5	771.5	764.7
52.5°	847.1	851.2	877.5	900.4	890.6	873.3	854.4	826.6	783.2	750.4	742.0
55°	729.3	734.7	791.2	866.6	934.0	941.4	865.8	776.4	694.7	646.7	638.0
57.5°	468.7	470.1	539.1	644.9	796.7	844.5	718.0	585.3	483.8	430.9	427.3
60°	172.3	169.5	221.6	309.3	458.9	509.5	422.7	296.0	211.1	173.7	170.7
62.5°	41.4	41.8	51.9	77.8	144.0	178.2	140.8	78.6	50.1	42.0	41.6
65°	20.9	20.5	20.7	22.3	30.8	36.8	30.2	21.3	20.5	20.7	20.5
67.5°	13.5	13.3	13.7	13.9	13.7	12.9	12.7	13.1	13.1	13.3	12.9
70°	8.2	8.0	8.4	9.0	8.6	7.6	8.0	8.4	8.0	7.8	7.8
72.5°	4.4	4.4	4.8	5.2	4.8	4.4	4.4	4.6	4.4	4.4	4.4
75°	2.0	2.0	2.2	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)