

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: P628889

Luminaire Tested: GWS-SA1A-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2637.1 lumens
Efficiency: N/A
Efficacy: 133.9 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

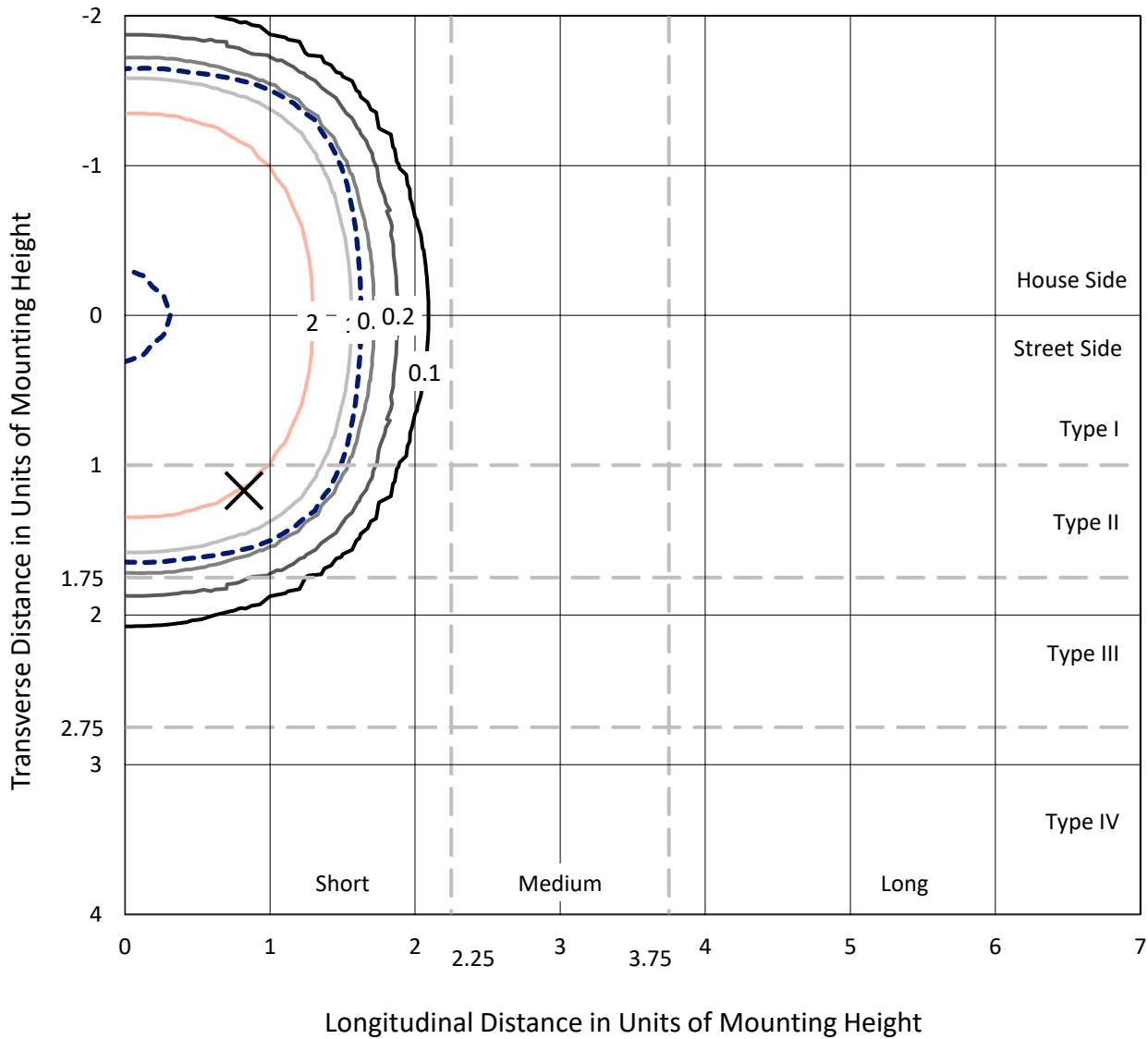
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

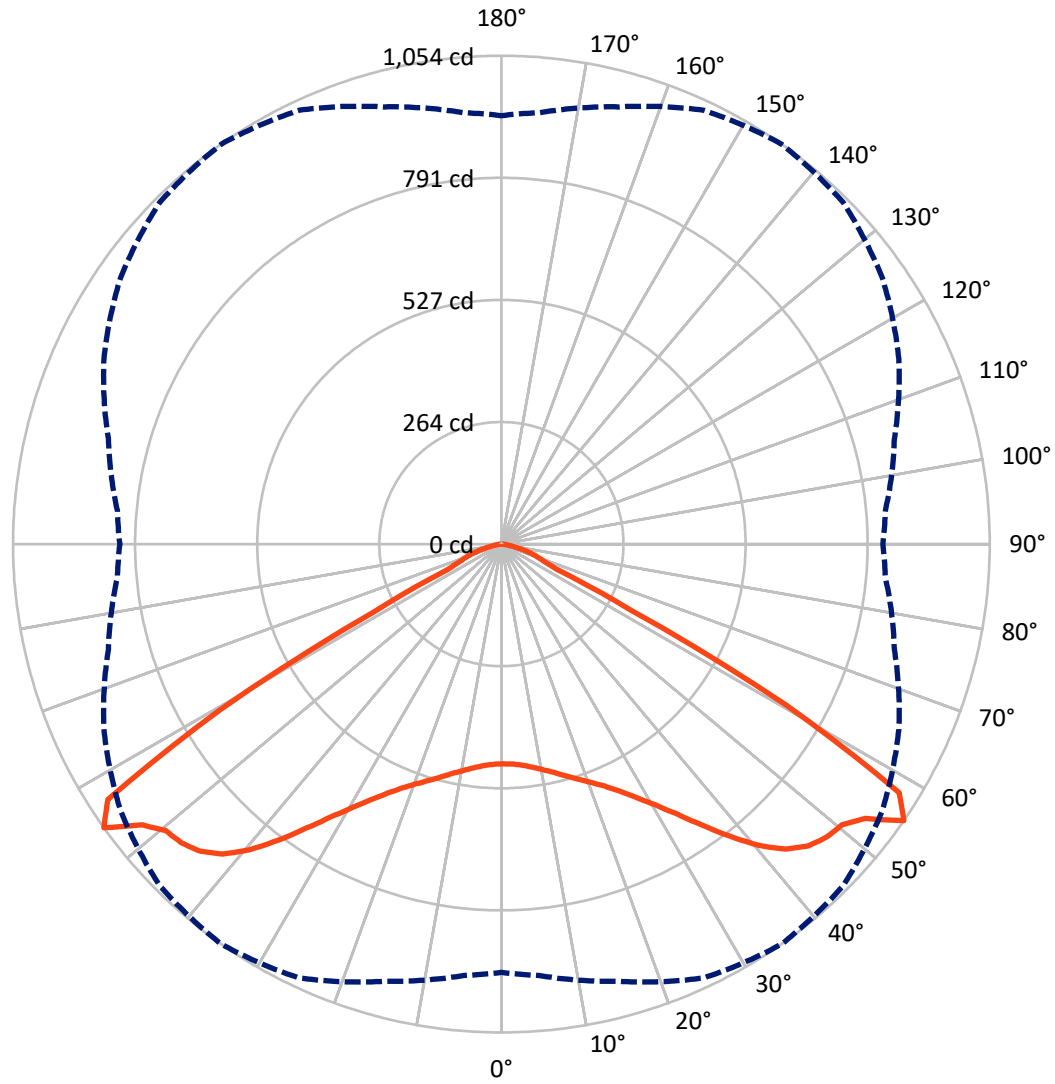
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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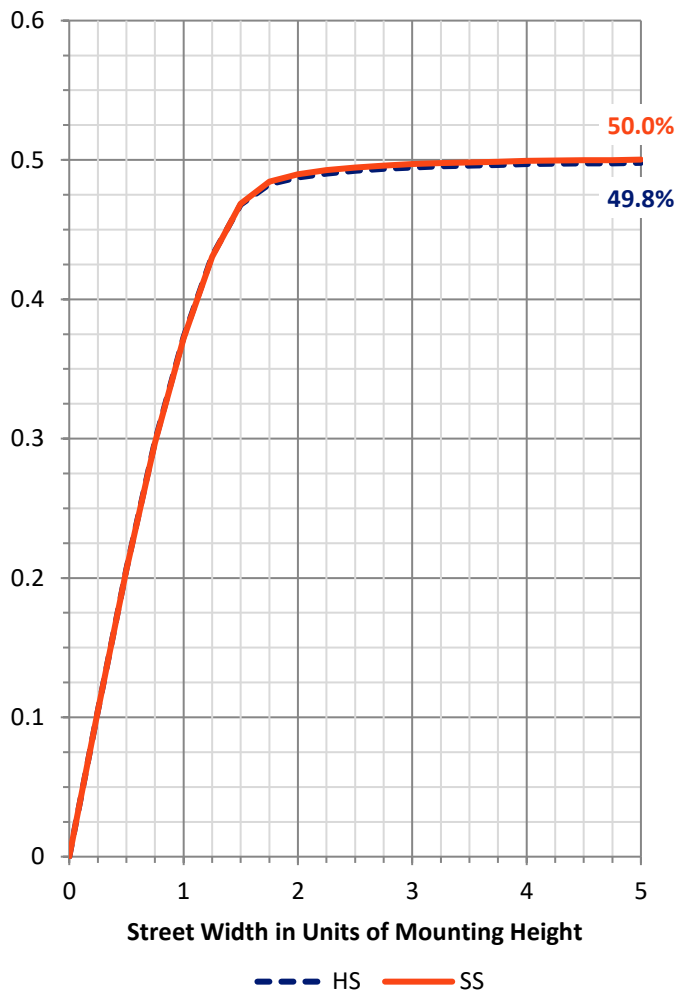
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1318.5	0.0	1318.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1318.5	0.0	1318.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2637.1	0.0	2637.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.8
10°-20°	147.3	5.6
20°-30°	272.7	10.3
30°-40°	456.1	17.3
40°-50°	695.1	26.4
50°-60°	778.6	29.5
60°-70°	184.2	7.0
70°-80°	49.7	1.9
80°-90°	7.1	0.3
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°	2637.1	100.0
0°-180°	2637.1	100.0

Coefficient of Utilization



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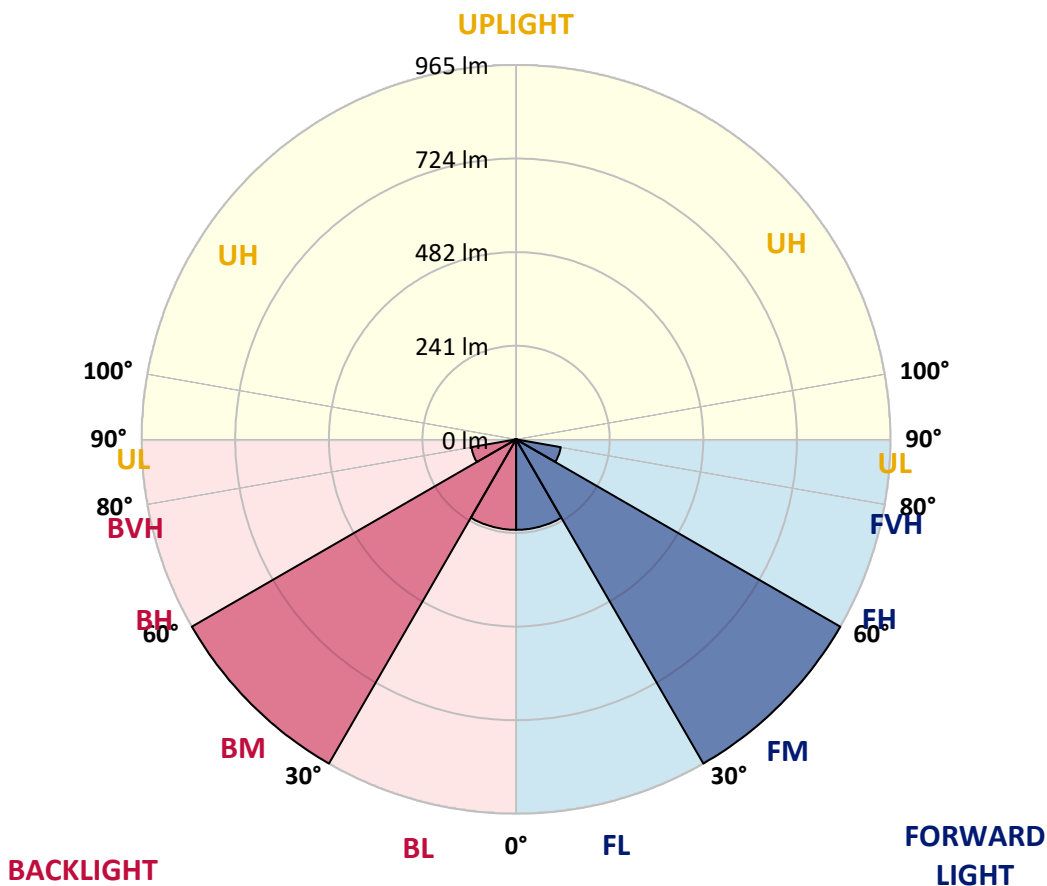
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.1	8.8			
FM (30°-60°)	964.9	36.6			
FH (60°-80°)	116.9	4.4			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	233.1	8.8	B1/500		
BM (30°-60°)	964.9	36.6	B1/1000		
BH (60°-80°)	116.9	4.4	B1/500		G0/660
BVH (80°-90°)	3.6	0.1			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°	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4
2.5°	473.4	473.4	474.2	475.3	475.5	477.5	477.1	476.3	475.9	475.0	476.9
5°	478.6	478.8	479.4	480.1	479.6	481.3	480.7	479.6	479.0	478.0	479.8
7.5°	485.5	485.5	486.1	486.9	486.5	489.0	487.8	486.3	485.3	484.0	485.7
10°	491.7	492.1	492.8	494.4	495.3	498.0	497.2	495.1	493.4	491.9	493.8
12.5°	501.1	501.5	502.2	504.5	505.9	508.6	507.4	504.5	501.9	499.9	501.9
15°	513.2	512.8	514.5	517.4	519.3	521.8	520.3	515.3	512.0	509.2	511.3
17.5°	525.5	525.3	527.0	530.7	533.4	536.8	534.3	528.4	524.9	521.6	523.6
20°	538.9	539.5	541.2	544.7	548.7	553.0	551.0	544.7	540.7	537.0	538.7
22.5°	555.3	555.5	557.4	562.0	567.2	571.4	570.1	562.4	557.4	553.5	555.5
25°	575.1	574.9	577.4	582.9	590.2	594.3	591.6	583.1	577.6	573.1	574.7
27.5°	597.9	597.7	601.4	608.5	618.9	624.8	619.1	608.5	601.0	594.5	596.0
30°	626.4	625.8	630.0	639.6	653.1	662.9	654.6	639.8	630.0	623.1	624.6
32.5°	658.1	659.0	664.2	677.1	694.2	706.9	694.4	678.0	664.8	654.8	656.5
35°	693.0	693.0	703.6	719.7	744.1	761.0	741.6	717.8	700.3	686.5	686.9
37.5°	731.8	732.2	746.1	768.2	800.2	820.0	793.7	764.3	743.0	728.2	727.4
40°	779.1	780.3	794.7	819.3	855.2	873.4	845.2	816.4	794.7	777.2	775.5
42.5°	832.5	832.9	848.1	870.2	900.5	911.3	889.2	865.6	847.9	832.1	830.4
45°	883.4	882.3	895.5	911.9	929.4	930.5	918.2	908.6	893.2	879.6	877.1
47.5°	923.0	922.2	934.0	943.0	945.1	934.9	938.8	940.3	922.4	904.0	899.2
50°	947.2	948.8	960.1	965.1	952.8	936.1	951.1	947.4	921.7	897.8	890.0
52.5°	961.8	964.3	983.9	996.6	983.9	968.0	970.1	948.0	911.1	879.4	869.4
55°	924.9	934.9	977.2	1033.5	1054.4	1043.3	1003.7	946.8	878.4	832.3	823.7
57.5°	685.5	701.3	764.1	886.1	1012.9	1053.1	937.4	793.7	690.0	630.8	625.8
60°	349.9	367.7	417.9	543.2	706.3	763.0	652.9	508.2	403.9	356.0	350.6
62.5°	142.8	145.8	162.2	210.6	312.2	360.1	316.4	222.1	166.8	153.7	153.9
65°	112.4	113.0	112.2	115.1	130.8	145.1	134.1	117.8	114.9	116.4	115.3
67.5°	98.0	98.2	97.6	97.6	98.2	97.6	98.8	99.5	99.9	101.6	100.5
70°	82.0	82.2	82.2	82.6	82.4	81.3	83.2	84.0	84.2	85.3	84.7
72.5°	63.4	64.0	64.4	64.6	64.4	63.8	64.9	66.3	66.1	67.1	66.1
75°	43.0	43.8	44.2	45.0	44.8	44.8	46.1	46.7	46.1	46.9	46.1
77.5°	24.4	25.0	26.3	27.1	27.9	28.6	29.4	29.8	29.6	30.0	29.6
80°	14.2	14.4	15.4	15.8	16.9	17.9	18.8	19.2	19.4	19.6	19.4
82.5°	8.1	8.3	8.8	9.2	10.0	10.8	11.7	12.3	12.3	12.5	12.3
85°	4.0	4.0	4.2	4.4	4.8	5.4	6.0	6.7	6.9	6.9	6.9
87.5°	0.6	0.6	0.8	0.8	1.0	1.3	1.7	2.1	2.3	2.3	2.3
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)