

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: P630539

Luminaire Tested: GWS-SA1D-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630539
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-SA1D-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2535 lumens
Efficiency: N/A
Efficacy: 57.2 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

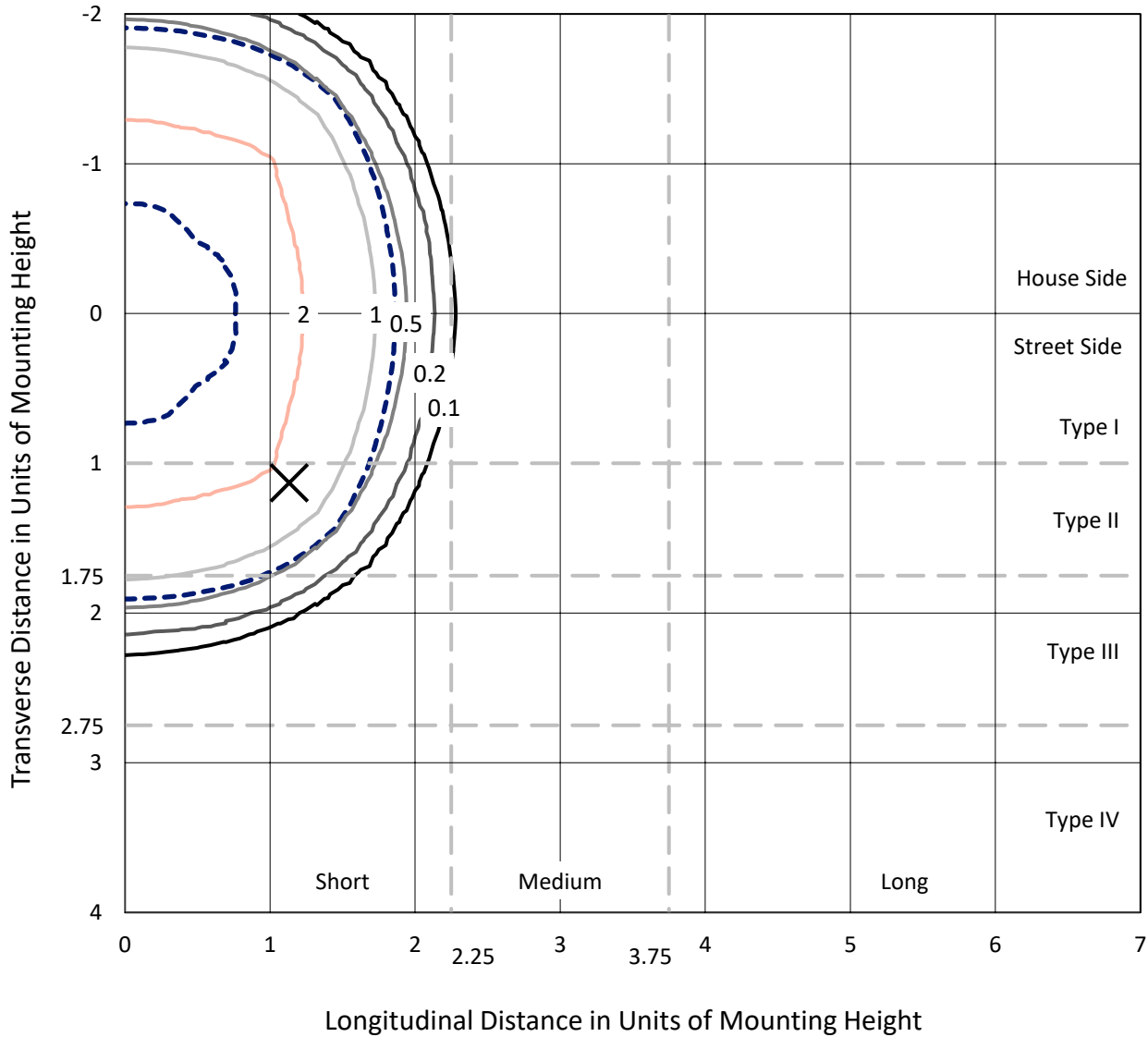
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

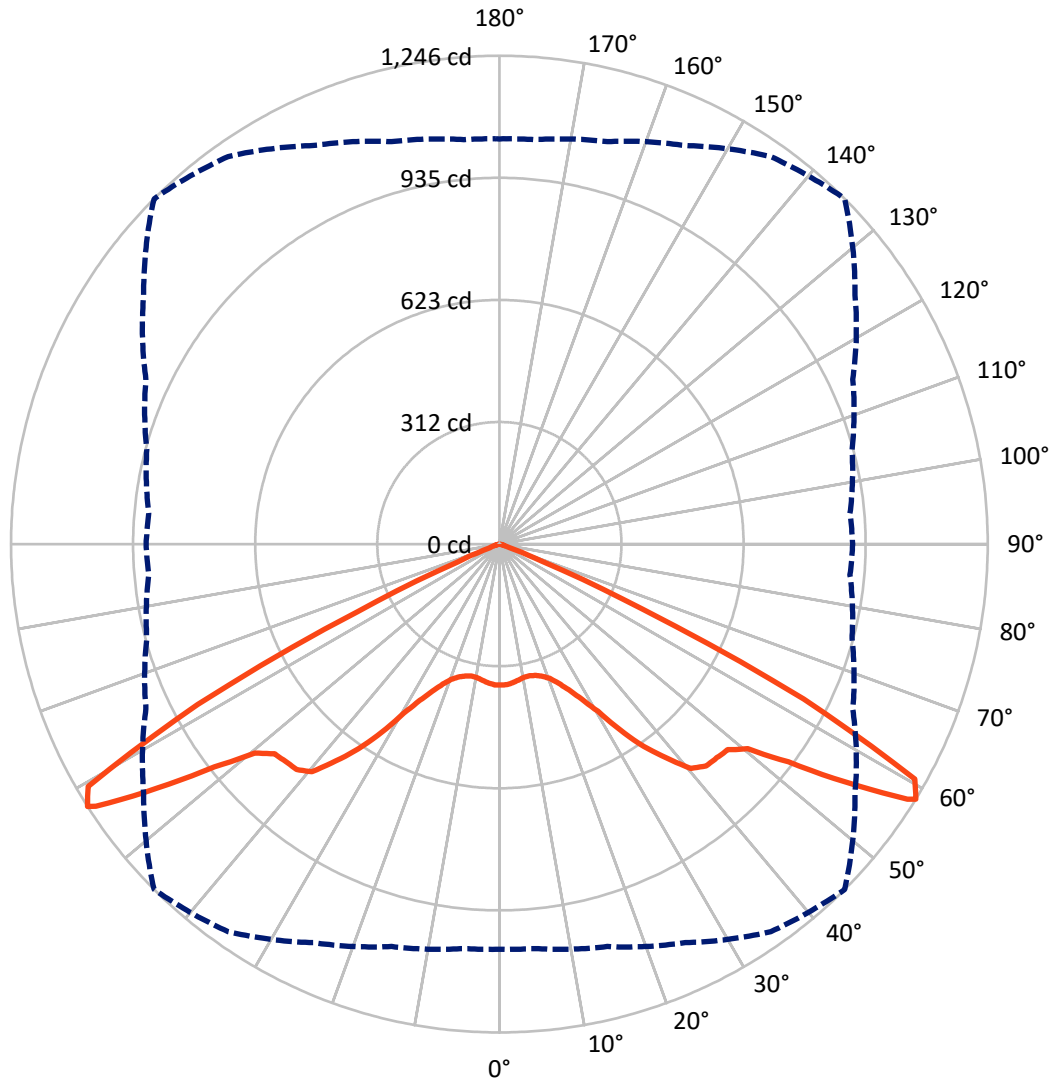
✕ Max cd
 - - - 1/2 Max cd



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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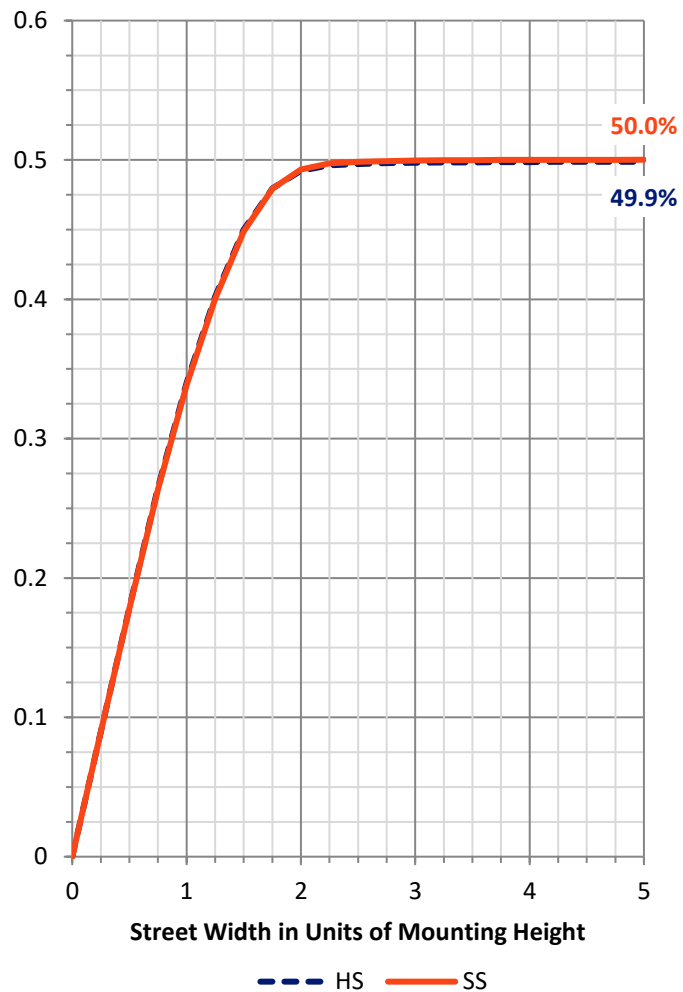
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1267.5	0.0	1267.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1267.5	0.0	1267.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2535.0	0.0	2535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	1.3
10°-20°	99.2	3.9
20°-30°	187.7	7.4
30°-40°	370.2	14.6
40°-50°	585.8	23.1
50°-60°	861.1	34.0
60°-70°	384.4	15.2
70°-80°	12.9	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°	2535.0	100.0
0°-180°	2535.0	100.0

Coefficient of Utilization



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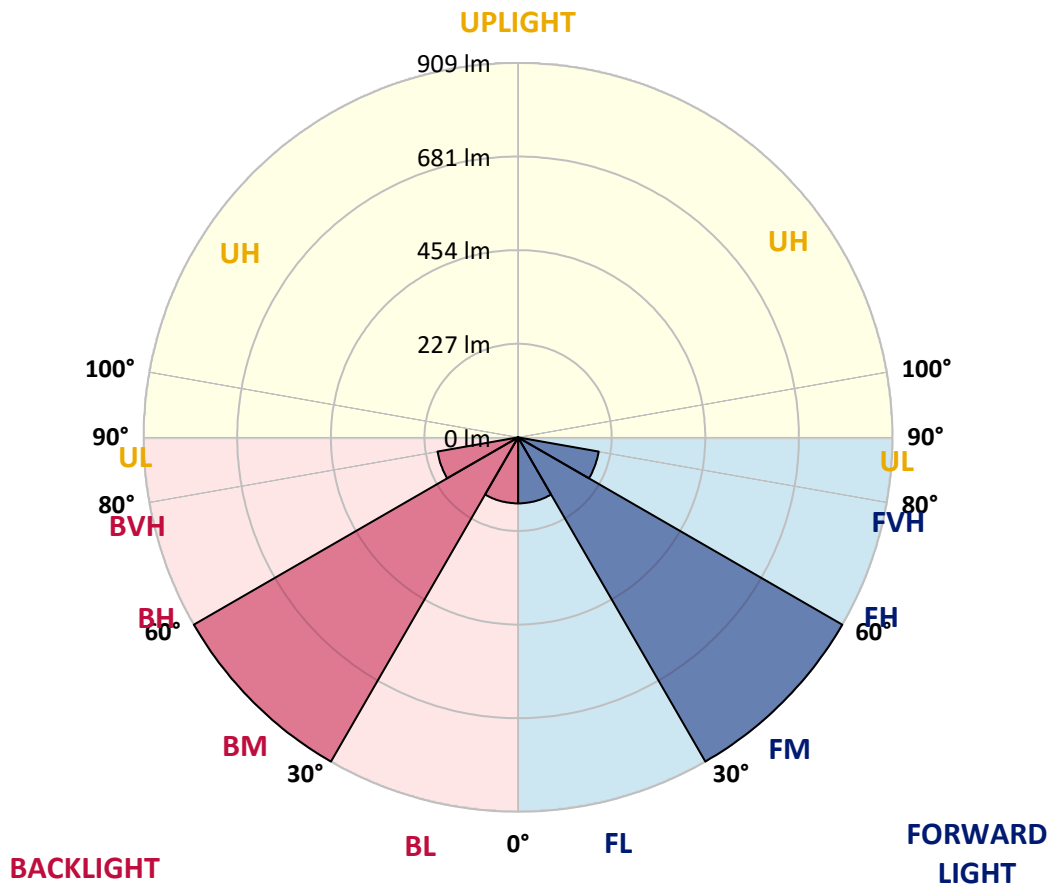
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.2	6.3			
FM (30°-60°)	908.6	35.8			
FH (60°-80°)	198.6	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	160.2	6.3	B1/500		
BM (30°-60°)	908.6	35.8	B1/1000		
BH (60°-80°)	198.6	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°	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5	359.5
2.5°	356.0	356.7	357.4	357.8	358.1	359.2	359.5	358.5	358.5	356.4	358.8
5°	354.3	355.0	355.7	355.4	355.4	355.4	355.0	353.6	353.3	351.2	353.6
7.5°	351.2	351.9	351.9	350.9	350.2	350.2	349.8	348.1	347.8	345.7	348.1
10°	348.8	349.1	348.8	346.7	345.3	345.3	345.0	344.3	344.6	343.3	345.3
12.5°	350.2	350.5	349.1	346.4	344.6	344.3	343.3	342.2	343.3	342.9	345.0
15°	354.7	355.0	352.6	349.1	347.8	347.8	345.0	342.2	343.6	344.0	346.4
17.5°	360.2	360.2	357.1	354.0	354.3	354.3	349.8	345.0	345.3	346.7	349.1
20°	366.7	366.7	363.6	363.0	365.4	365.7	360.2	352.6	350.9	351.9	354.7
22.5°	378.5	378.5	376.1	377.8	383.3	385.1	376.8	366.1	361.9	362.6	365.4
25°	396.8	396.8	396.1	400.2	408.2	412.0	400.9	386.8	379.9	378.8	381.9
27.5°	427.5	427.9	426.8	433.1	443.1	447.6	432.4	413.7	405.4	403.7	406.8
30°	467.2	467.2	467.6	476.2	489.3	495.2	475.2	453.4	443.8	438.2	442.4
32.5°	511.4	512.1	515.6	530.1	553.2	565.3	536.0	505.6	490.0	484.2	488.7
35°	584.3	577.8	573.6	584.3	617.8	633.7	596.1	560.5	548.7	548.1	559.4
37.5°	656.5	652.7	644.1	655.1	685.2	692.4	651.0	621.3	613.0	617.5	628.9
40°	713.8	706.9	695.5	705.9	745.2	752.5	701.4	672.0	668.9	678.9	694.5
42.5°	759.1	749.4	734.2	736.6	768.4	773.6	728.3	706.2	708.3	720.7	738.3
45°	779.4	771.8	758.4	757.3	777.4	777.7	742.1	730.7	736.3	745.9	759.7
47.5°	788.1	784.6	777.0	775.3	786.7	783.9	761.8	757.0	762.2	764.9	772.9
50°	809.5	809.5	810.5	811.9	823.6	820.9	805.3	799.8	793.2	783.6	786.0
52.5°	869.6	872.0	882.0	893.0	914.5	923.4	898.2	866.1	834.7	813.6	813.6
55°	978.0	980.4	992.2	1010.8	1050.2	1071.6	1012.9	942.1	898.9	870.3	874.1
57.5°	1037.7	1040.5	1064.7	1115.1	1191.4	1227.7	1101.6	996.6	936.2	903.4	906.2
58°	1033.9	1035.7	1063.0	1122.0	1207.0	1246.0	1107.8	994.9	931.4	897.9	901.3
60°	918.6	916.2	959.7	1044.0	1163.8	1217.7	1046.0	908.2	834.3	800.1	801.9
62.5°	600.5	601.9	639.6	727.6	820.9	871.6	730.7	628.2	568.8	548.1	542.9
65°	250.7	246.2	269.4	318.4	374.3	402.7	346.0	292.8	256.2	242.4	246.2
67.5°	64.6	62.9	64.2	80.5	98.4	116.4	97.7	74.6	64.9	65.6	65.6
70°	36.6	34.5	28.0	25.9	25.2	25.2	25.2	25.2	29.0	34.2	35.2
72.5°	27.6	25.9	20.4	17.6	15.5	14.5	15.2	17.6	21.1	25.6	26.2
75°	13.8	13.8	12.4	11.7	10.4	9.7	10.0	11.1	12.8	14.5	14.2
77.5°	2.8	3.1	3.5	4.1	3.5	3.5	3.5	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)