

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: P628838

Luminaire Tested: GWS-SA1A-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2883 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

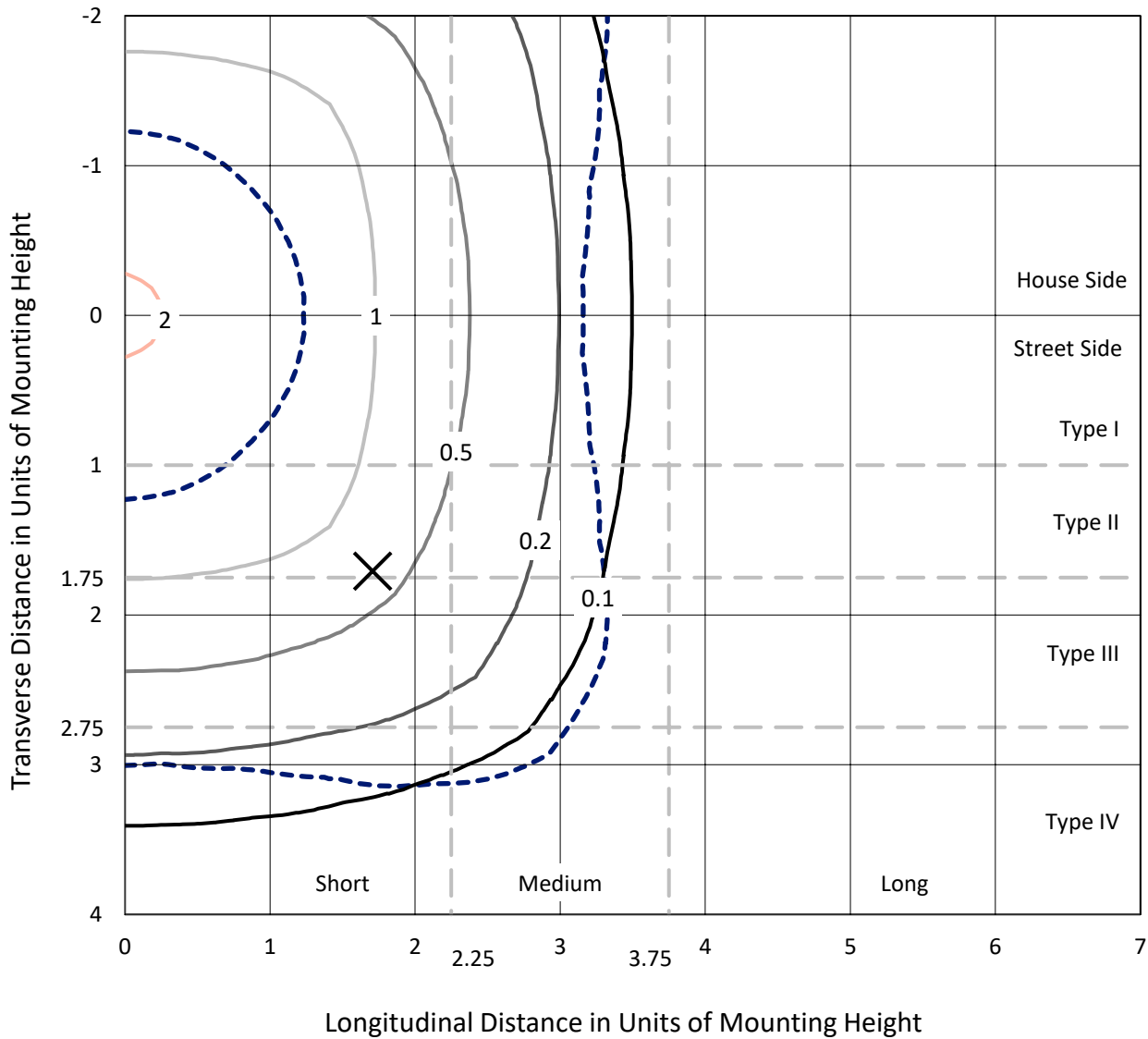
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

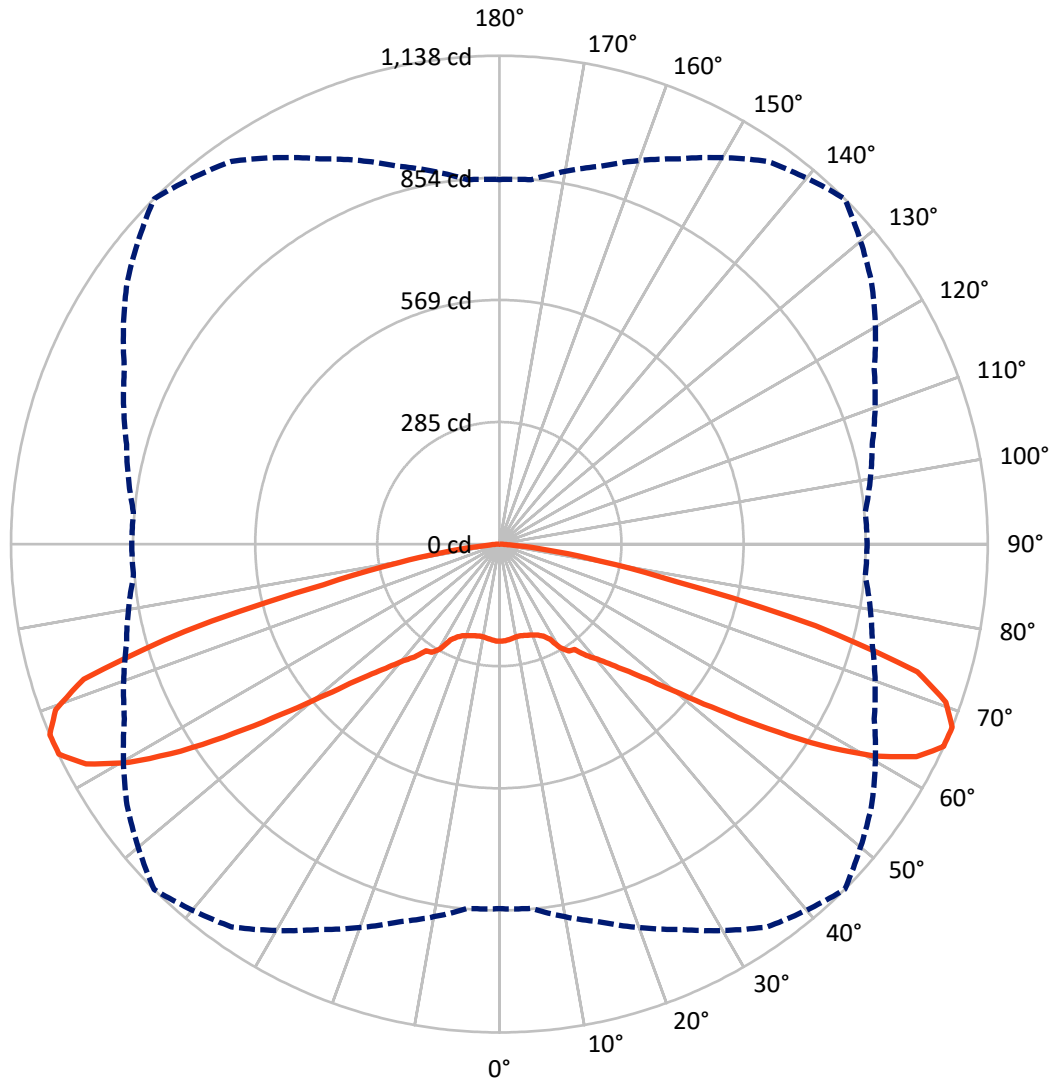
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1441.5	0.0	1441.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1441.5	0.0	1441.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2883.0	0.0	2883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.7
10°-20°	63.0	2.2
20°-30°	113.0	3.9
30°-40°	190.9	6.6
40°-50°	335.4	11.6
50°-60°	647.0	22.4
60°-70°	938.7	32.6
70°-80°	537.1	18.6
80°-90°	36.7	1.3
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°	2883.0	100.0
0°-180°	2883.0	100.0

Coefficient of Utilization



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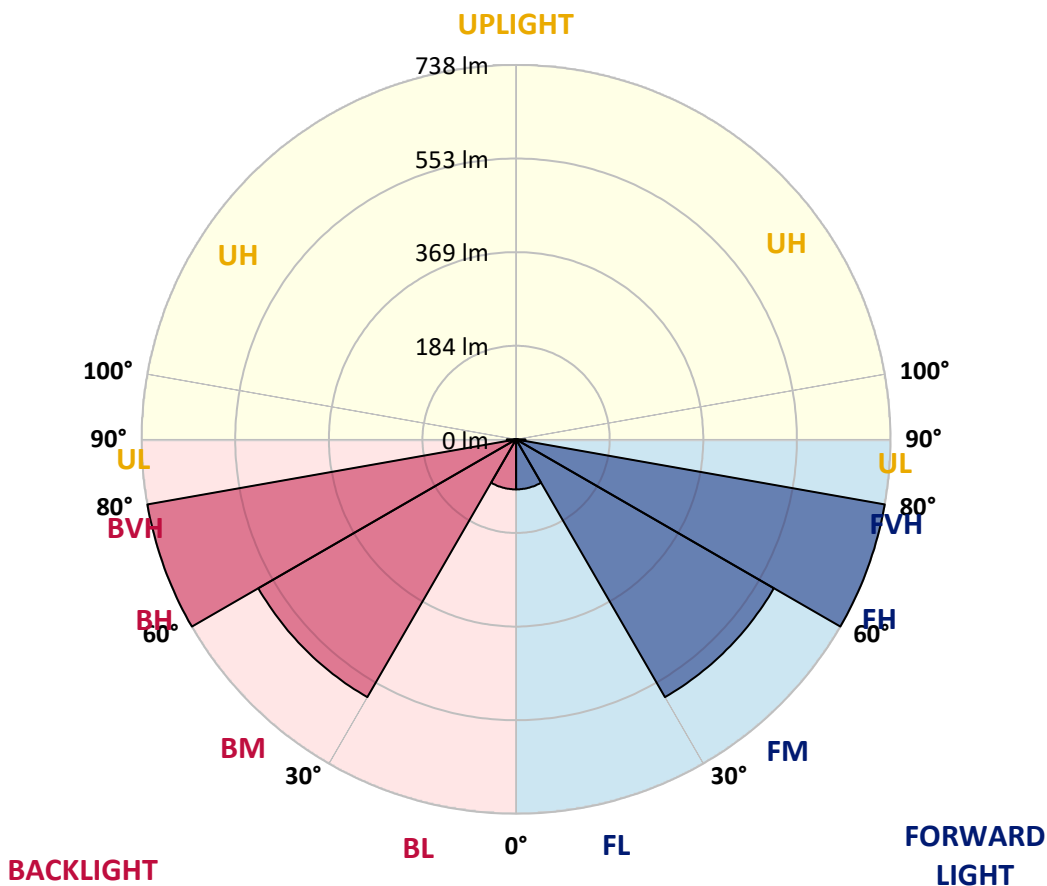
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.6	3.4			
FM (30°-60°)	586.7	20.3			
FH (60°-80°)	737.9	25.6			G1/1800
FVH (80°-90°)	18.3	0.6			G1/100
BL (0°-30°)	98.6	3.4	B0/110		
BM (30°-60°)	586.7	20.3	B1/1000		
BH (60°-80°)	737.9	25.6	B2/1000		G1/1800
BVH (80°-90°)	18.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1	226.1
2.5°	224.3	224.5	224.9	224.9	225.3	225.9	226.1	225.7	225.9	224.9	225.9
5°	223.6	223.8	224.0	223.6	223.6	223.8	223.8	223.4	223.6	222.6	223.6
7.5°	222.2	222.4	222.4	221.8	221.2	221.6	221.6	221.2	221.4	220.4	221.6
10°	221.0	221.0	220.8	219.6	219.0	219.6	219.8	220.0	220.8	220.0	221.4
12.5°	221.8	221.8	221.2	219.6	218.5	219.0	219.4	219.8	221.2	221.0	222.6
15°	224.0	224.3	222.6	220.8	220.2	220.8	220.4	220.2	222.0	222.6	224.5
17.5°	225.9	225.9	223.8	222.0	222.2	223.2	222.4	221.4	223.2	224.5	226.5
20°	227.5	227.3	225.1	223.8	224.7	226.1	225.5	224.0	225.3	226.7	228.5
22.5°	231.6	231.4	228.9	228.3	229.1	230.6	230.0	228.7	230.2	232.2	234.4
25°	243.2	242.8	239.1	237.1	236.7	237.7	237.5	237.1	239.3	241.8	244.4
27.5°	258.7	258.5	255.9	253.8	251.2	250.3	251.0	252.8	256.1	257.9	260.1
30°	266.5	266.5	266.0	269.3	275.0	280.5	276.2	269.3	266.5	265.6	267.9
32.5°	276.6	277.7	276.2	279.9	289.5	297.6	289.5	278.3	276.2	276.2	278.7
35°	300.1	300.5	298.3	297.6	300.7	301.7	297.8	293.8	296.0	296.4	299.5
37.5°	318.8	318.8	317.8	319.5	325.8	329.6	323.3	316.0	316.6	317.0	320.9
40°	347.8	348.6	346.2	346.0	348.4	351.9	345.1	340.5	343.7	344.7	350.6
42.5°	383.9	383.9	380.2	379.2	380.8	384.5	378.2	375.1	379.4	380.2	383.7
45°	426.9	427.9	423.0	421.2	422.0	423.2	418.7	417.3	421.4	423.2	429.3
47.5°	479.3	480.3	476.0	475.8	475.0	475.8	471.5	470.7	474.0	472.6	479.1
50°	543.9	545.7	542.1	547.2	546.6	549.0	543.1	538.8	538.8	534.9	538.6
52.5°	616.3	620.0	621.8	630.3	636.9	643.0	633.2	626.5	616.7	608.7	618.7
55°	695.2	694.2	705.8	724.5	743.7	758.2	739.0	717.8	701.9	685.4	689.3
57.5°	764.3	767.8	783.0	817.3	855.2	885.8	851.3	810.6	774.5	750.8	754.1
60°	821.8	824.6	845.0	894.4	960.6	1002.8	948.2	880.9	828.5	795.9	799.4
62.5°	874.8	877.4	898.0	952.5	1036.0	1091.1	1020.5	928.6	870.3	837.5	839.5
65°	905.4	907.0	935.1	992.4	1080.5	1137.4	1057.9	963.1	905.8	872.3	873.6
67.5°	849.7	852.4	911.7	990.8	1089.0	1138.2	1059.5	964.1	899.7	856.0	857.0
70°	670.3	668.1	738.8	874.8	1039.9	1103.9	1012.4	891.7	792.2	731.3	730.2
72.5°	511.1	511.7	551.0	644.2	847.9	1018.7	893.3	718.0	610.8	564.5	562.7
75°	370.6	376.3	408.3	476.6	593.0	761.4	672.5	532.1	460.3	432.6	428.5
77.5°	167.0	174.3	219.0	299.3	396.5	420.8	422.4	361.2	272.6	226.5	219.4
80°	48.7	52.2	67.1	114.8	184.7	238.7	189.6	159.4	99.3	77.9	74.2
82.5°	20.6	23.4	28.7	31.8	53.6	110.7	68.9	43.8	40.8	33.0	30.2
85°	8.8	9.4	12.0	12.8	17.3	23.6	21.8	19.8	19.0	14.7	13.5
87.5°	3.7	3.7	3.7	3.3	3.1	3.3	4.5	5.7	7.5	5.9	5.5
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)