

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: P628942

Luminaire Tested: GWS-SA1A-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2971.2 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

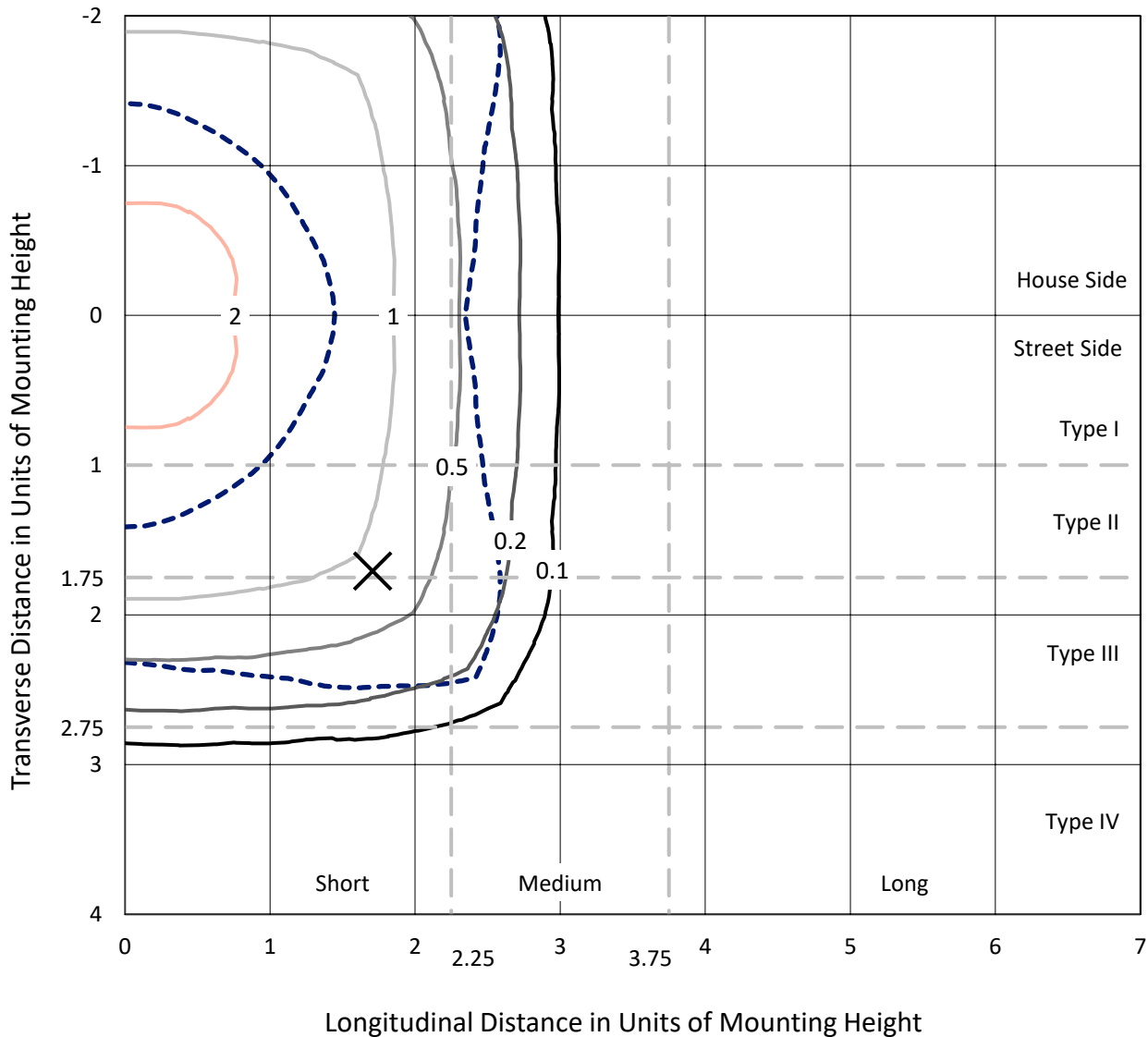
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

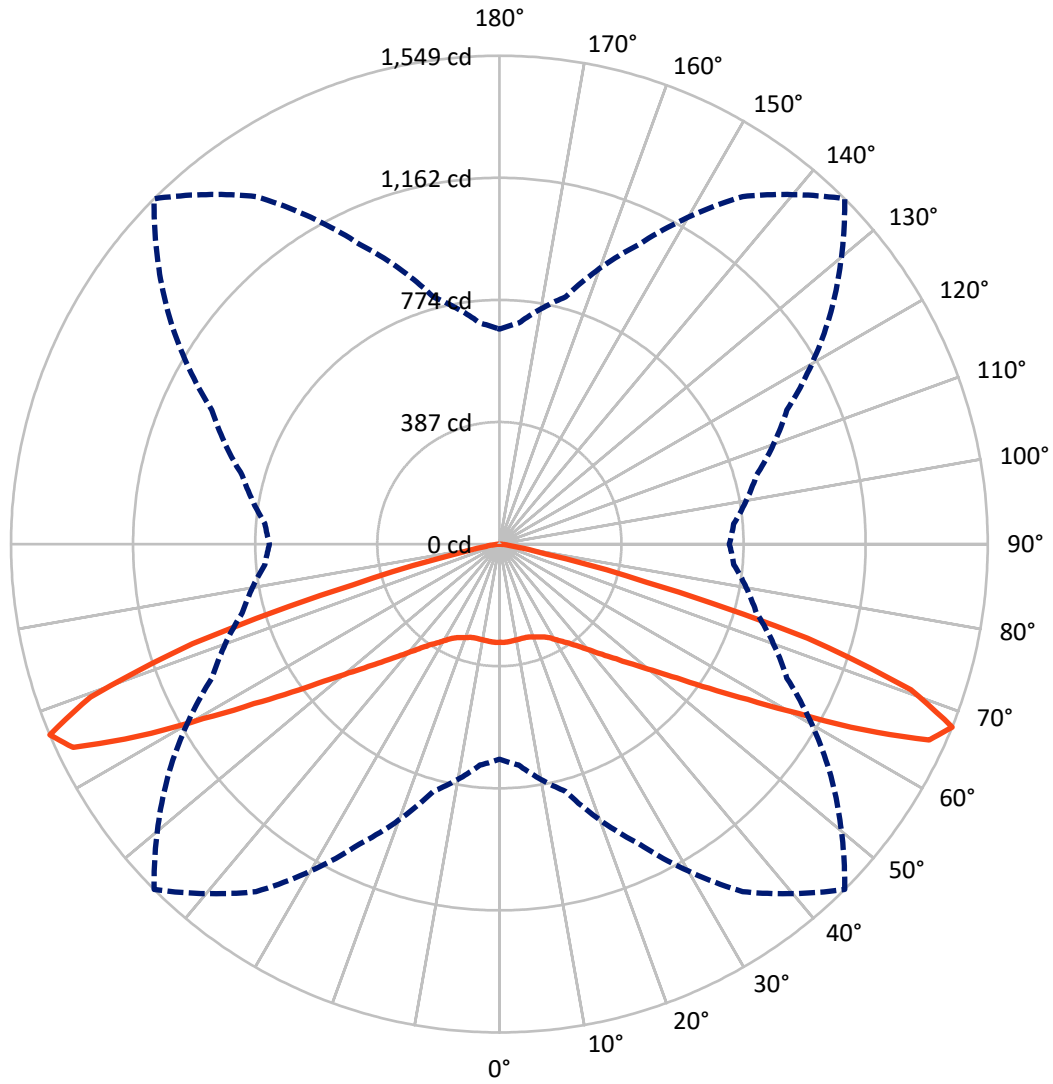
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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	1485.6	0.0	1485.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1485.6	0.0	1485.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2971.2	0.0	2971.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.0
10°-20°	86.5	2.9
20°-30°	149.2	5.0
30°-40°	242.6	8.2
40°-50°	408.5	13.7
50°-60°	723.8	24.4
60°-70°	1034.6	34.8
70°-80°	283.9	9.6
80°-90°	12.7	0.4
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°	2971.2	100.0
0°-180°	2971.2	100.0

Coefficient of Utilization



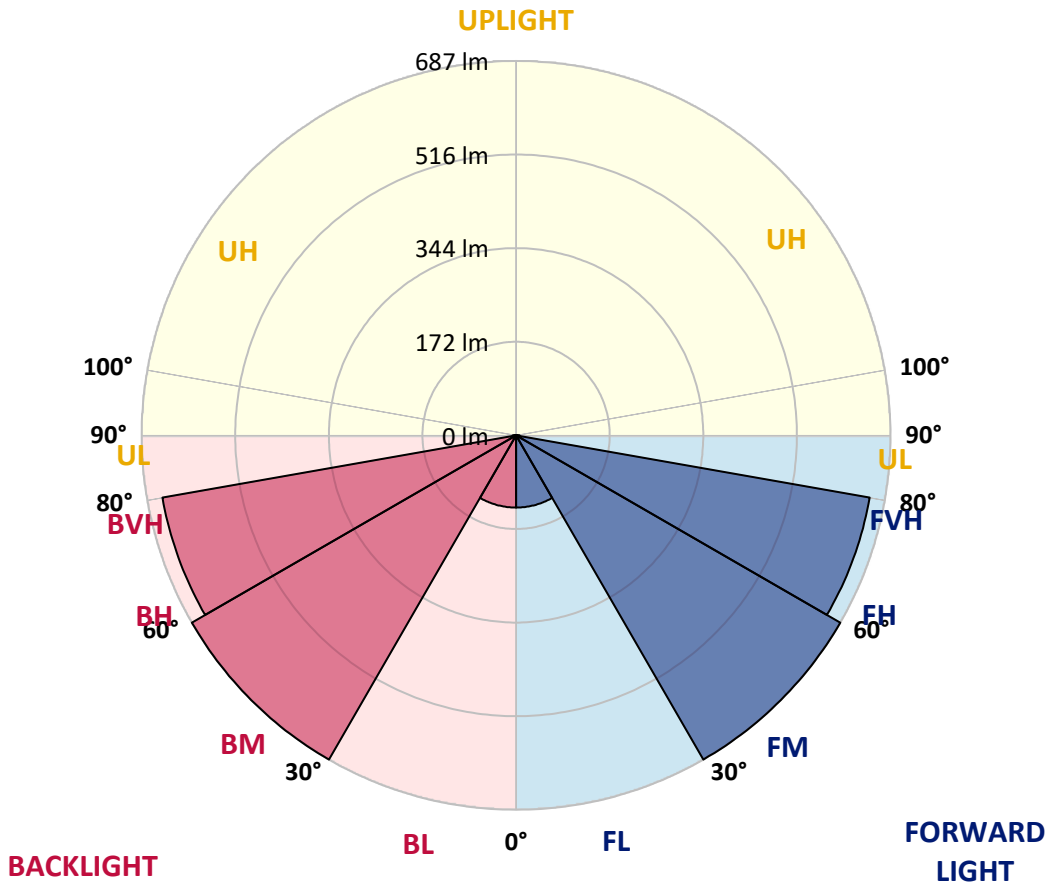
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.6	4.5			
FM (30°-60°)	687.4	23.1			
FH (60°-80°)	659.2	22.2			G0/660
FVH (80°-90°)	6.4	0.2			G0/10
BL (0°-30°)	132.6	4.5	B1/500		
BM (30°-60°)	687.4	23.1	B1/1000		
BH (60°-80°)	659.2	22.2	B2/1000		G0/660
BVH (80°-90°)	6.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2	311.2
2.5°	309.1	308.9	309.9	310.6	310.4	311.8	311.6	311.2	311.2	310.6	312.2
5°	309.1	308.9	309.7	309.9	309.5	310.8	310.4	309.9	309.9	309.1	310.6
7.5°	307.5	307.7	308.3	308.7	308.3	309.3	308.7	307.9	307.7	306.9	308.3
10°	304.4	304.6	305.2	306.2	306.5	308.3	307.3	305.8	305.2	304.4	305.8
12.5°	302.5	302.7	303.4	304.6	305.0	307.5	306.5	304.2	303.2	302.3	303.8
15°	302.1	302.3	303.2	304.4	305.0	307.5	306.5	303.8	302.3	301.3	302.5
17.5°	302.1	302.5	303.8	305.6	306.9	309.3	308.1	305.0	303.0	301.1	302.3
20°	302.3	303.0	304.8	307.5	310.6	314.1	312.4	308.3	305.4	303.2	304.0
22.5°	304.2	305.2	307.5	311.0	315.5	319.6	318.2	312.6	308.5	305.4	306.2
25°	310.6	311.0	313.9	318.4	322.7	326.2	324.8	319.6	314.5	310.8	311.8
27.5°	321.9	322.9	325.4	330.1	333.8	335.7	335.5	332.0	326.8	323.5	324.3
30°	335.5	336.5	339.8	345.1	348.8	350.9	350.3	347.6	342.9	338.3	339.2
32.5°	351.3	351.7	355.6	361.6	365.5	368.6	366.5	363.6	357.7	352.3	352.7
35°	371.4	372.1	376.2	381.7	384.8	387.3	386.9	384.0	377.6	371.9	373.3
37.5°	396.7	397.2	400.9	407.8	410.3	412.2	412.6	411.1	404.6	397.2	398.6
40°	428.2	428.4	432.5	438.7	441.4	442.6	442.8	443.0	436.2	430.7	430.3
42.5°	464.8	465.8	471.6	477.6	478.8	478.2	480.2	482.3	475.7	468.1	468.7
45°	508.6	509.2	517.1	523.6	521.4	519.3	523.2	527.3	521.4	511.5	508.6
47.5°	560.5	561.7	570.1	576.7	573.0	569.3	575.7	580.0	570.3	559.8	557.2
50°	619.1	619.9	631.8	640.0	635.7	628.9	637.0	641.5	628.5	615.6	609.8
52.5°	688.4	686.7	702.6	717.0	714.3	705.5	712.0	712.9	693.5	675.2	669.5
55°	772.9	771.3	787.1	802.9	809.5	807.3	804.2	799.2	770.7	751.1	745.8
57.5°	871.4	866.3	888.5	909.9	924.3	928.4	915.2	903.7	881.1	857.0	850.9
60°	963.0	962.7	997.9	1034.9	1074.4	1090.9	1057.6	1026.3	975.5	931.7	922.8
62.5°	988.7	993.0	1050.6	1142.3	1239.8	1298.0	1210.2	1106.7	1008.6	942.6	930.9
65°	925.3	936.0	1017.9	1162.7	1355.2	1497.5	1299.2	1108.6	971.8	889.5	877.2
67.5°	682.0	703.4	811.8	1049.1	1345.3	1548.7	1283.4	1005.9	844.1	746.2	729.1
70°	336.5	356.8	442.8	690.2	1106.9	1384.4	1110.4	758.1	570.1	475.9	460.3
72.5°	123.8	132.0	165.8	295.3	610.8	1022.6	759.3	423.5	276.2	219.9	209.4
75°	60.7	62.1	67.3	99.1	225.4	481.3	356.8	162.5	101.6	88.4	85.6
77.5°	38.7	39.3	41.8	47.3	72.4	151.6	108.2	64.2	49.8	47.7	47.7
80°	21.6	22.2	25.5	29.4	33.9	52.0	38.9	38.5	32.7	28.6	28.0
82.5°	10.3	11.3	16.2	16.0	17.9	26.1	22.8	20.8	21.0	15.8	15.0
85°	4.7	4.7	6.4	7.6	8.0	8.8	10.5	11.9	11.7	8.0	8.6
87.5°	2.3	2.3	2.3	2.1	1.9	1.6	2.3	3.7	5.3	3.7	3.5
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)