

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: P629272

Luminaire Tested: GWS-SA1B-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629272
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-SA1B-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3660.7 lumens
Efficiency: N/A
Efficacy: 146.4 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

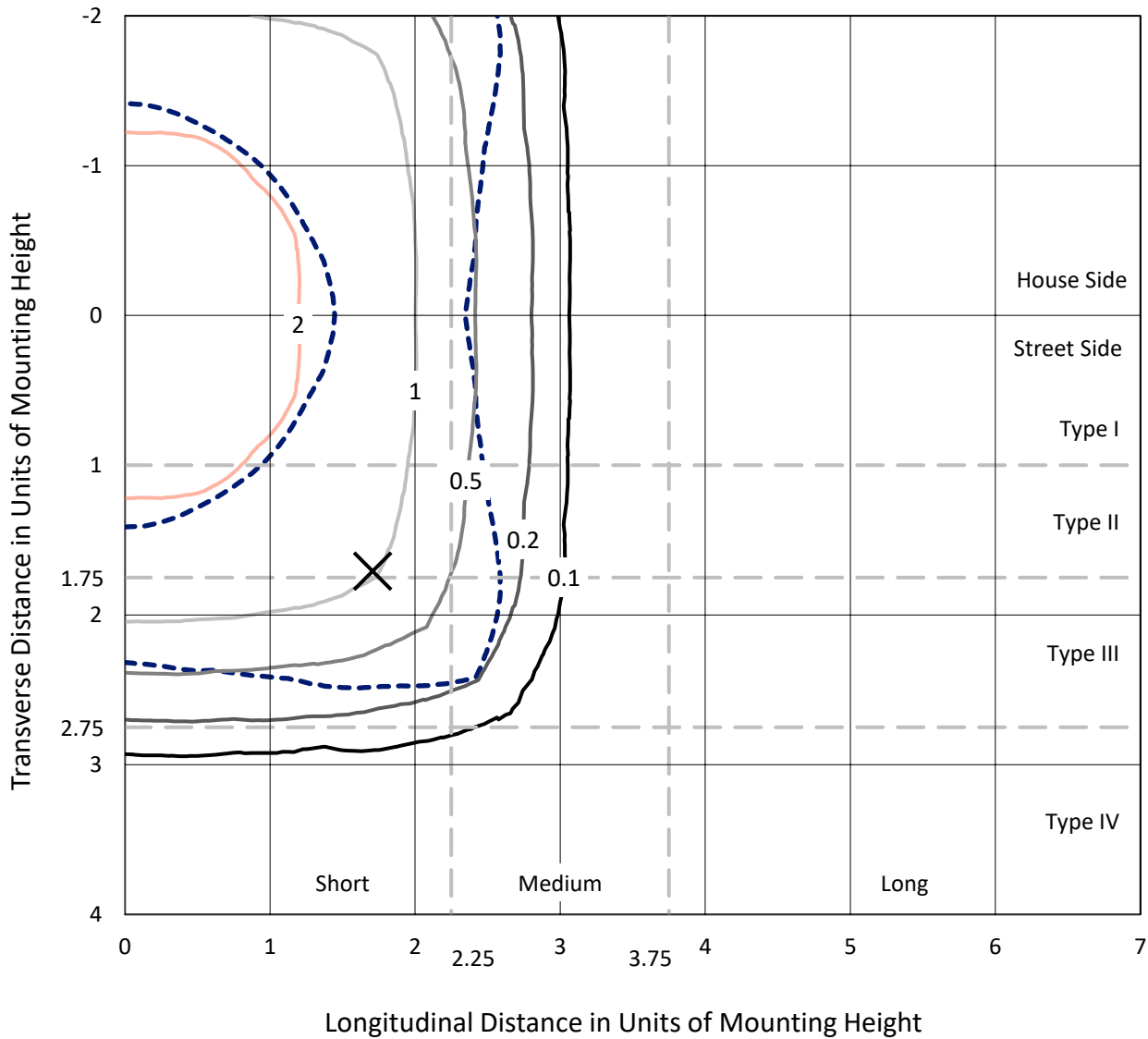
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

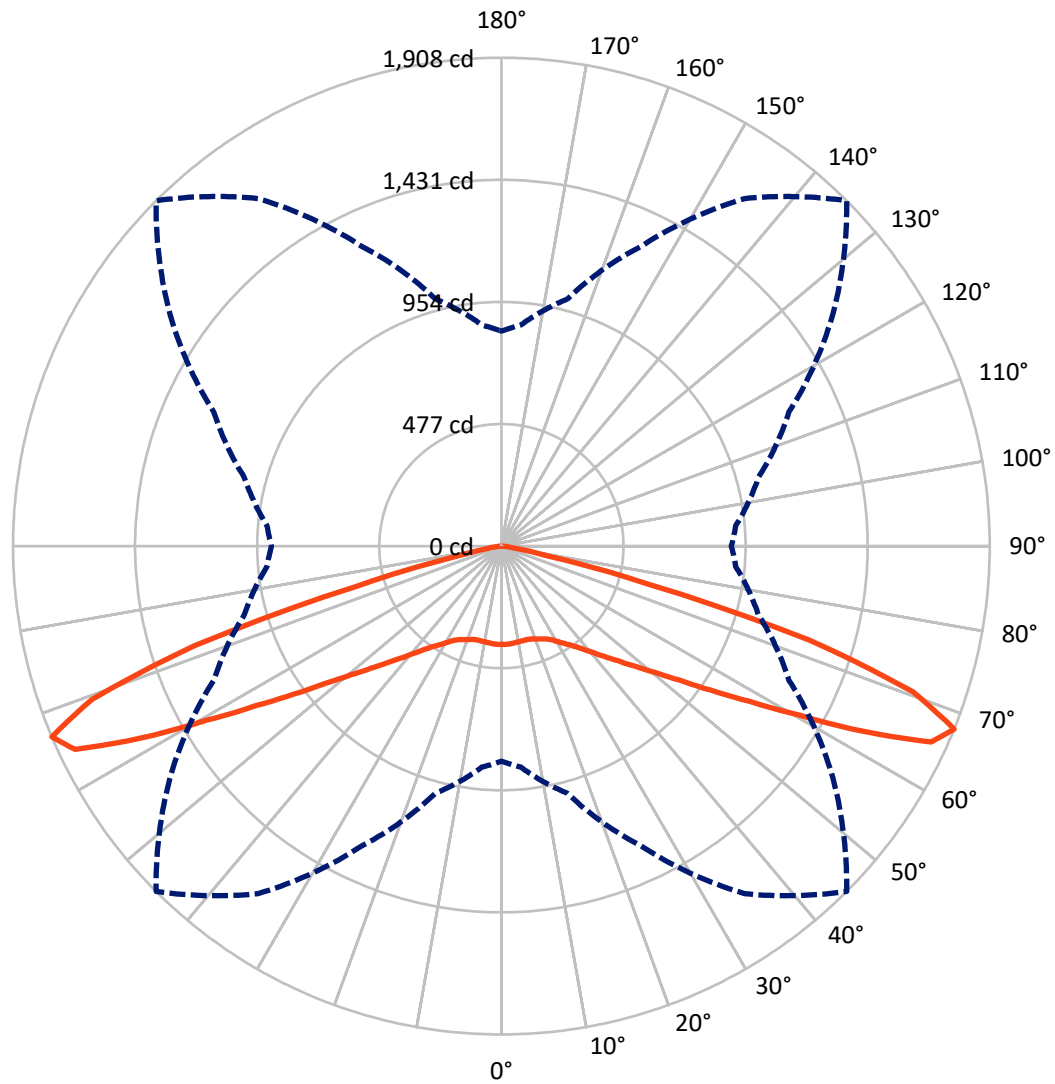
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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	1830.4	0.0	1830.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1830.4	0.0	1830.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3660.7	0.0	3660.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	1.0
10°-20°	106.6	2.9
20°-30°	183.8	5.0
30°-40°	298.9	8.2
40°-50°	503.3	13.7
50°-60°	891.7	24.4
60°-70°	1274.6	34.8
70°-80°	349.8	9.6
80°-90°	15.7	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°	3660.7	100.0
0°-180°	3660.7	100.0

Coefficient of Utilization



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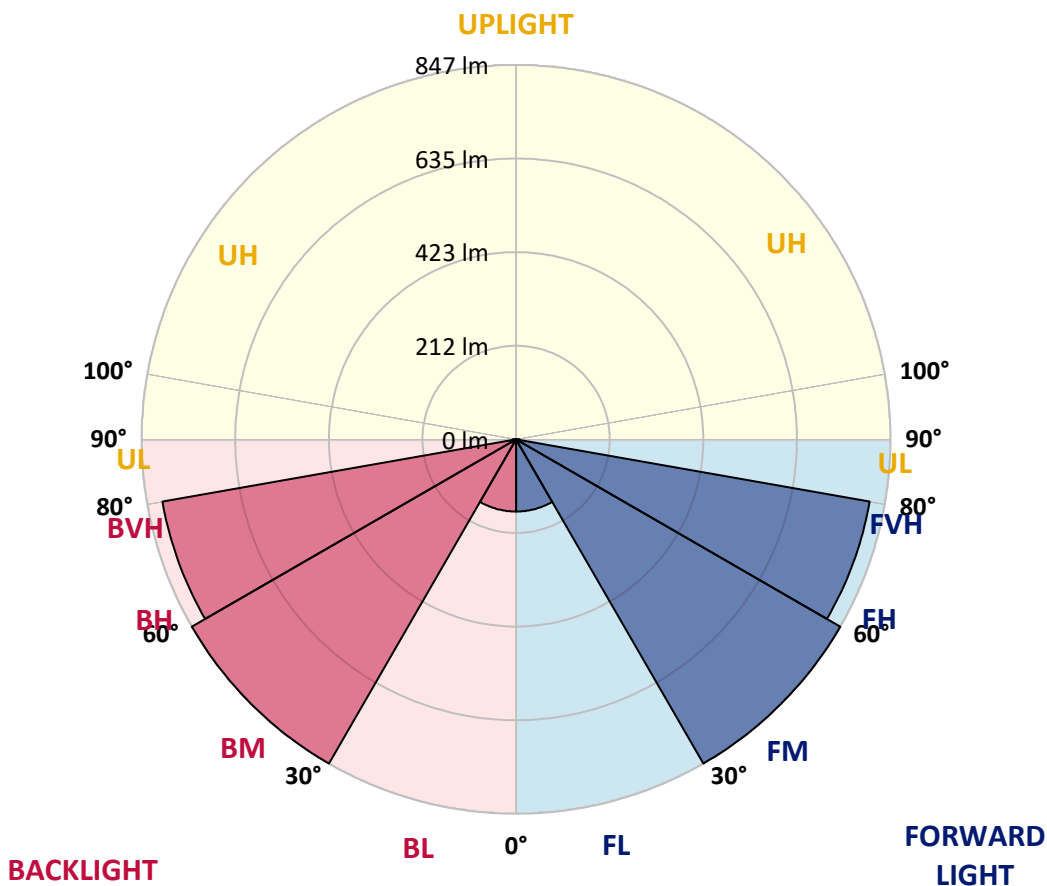
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.3	4.5			
FM (30°-60°)	846.9	23.1			
FH (60°-80°)	812.2	22.2			G1/1800
FVH (80°-90°)	7.8	0.2			G0/10
BL (0°-30°)	163.3	4.5	B1/500		
BM (30°-60°)	846.9	23.1	B1/1000		
BH (60°-80°)	812.2	22.2	B2/1000		G1/1800
BVH (80°-90°)	7.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4	383.4
2.5°	380.9	380.6	381.9	382.6	382.4	384.2	383.9	383.4	383.4	382.6	384.7
5°	380.9	380.6	381.6	381.9	381.4	382.9	382.4	381.9	381.9	380.9	382.6
7.5°	378.8	379.1	379.8	380.4	379.8	381.1	380.4	379.3	379.1	378.1	379.8
10°	375.0	375.3	376.0	377.3	377.6	379.8	378.6	376.8	376.0	375.0	376.8
12.5°	372.8	373.0	373.8	375.3	375.8	378.8	377.6	374.8	373.5	372.5	374.3
15°	372.2	372.5	373.5	375.0	375.8	378.8	377.6	374.3	372.5	371.2	372.8
17.5°	372.2	372.8	374.3	376.6	378.1	381.1	379.6	375.8	373.3	371.0	372.5
20°	372.5	373.3	375.5	378.8	382.6	386.9	384.9	379.8	376.3	373.5	374.5
22.5°	374.8	376.0	378.8	383.1	388.7	393.8	392.0	385.2	380.1	376.3	377.3
25°	382.6	383.1	386.7	392.3	397.6	401.9	400.1	393.8	387.4	382.9	384.2
27.5°	396.6	397.8	400.9	406.7	411.3	413.5	413.3	409.0	402.7	398.6	399.6
30°	413.3	414.6	418.6	425.2	429.8	432.3	431.5	428.2	422.4	416.8	417.9
32.5°	432.8	433.3	438.1	445.5	450.3	454.1	451.6	448.0	440.7	434.1	434.6
35°	457.6	458.4	463.5	470.3	474.1	477.2	476.6	473.1	465.2	458.1	459.9
37.5°	488.8	489.3	493.9	502.5	505.5	507.8	508.3	506.5	498.4	489.3	491.1
40°	527.6	527.8	532.9	540.5	543.8	545.3	545.6	545.8	537.5	530.6	530.1
42.5°	572.7	574.0	581.0	588.4	589.9	589.2	591.7	594.2	586.1	576.7	577.5
45°	626.7	627.4	637.0	645.2	642.4	639.8	644.6	649.7	642.4	630.2	626.7
47.5°	690.5	692.0	702.4	710.5	706.0	701.4	709.3	714.6	702.7	689.8	686.5
50°	762.7	763.7	778.4	788.6	783.3	774.9	784.8	790.4	774.4	758.4	751.3
52.5°	848.1	846.1	865.6	883.4	880.1	869.2	877.3	878.3	854.5	831.9	824.8
55°	952.3	950.2	969.8	989.3	997.4	994.6	990.8	984.7	949.5	925.4	918.8
57.5°	1073.7	1067.3	1094.7	1121.0	1138.8	1143.8	1127.6	1113.4	1085.6	1055.9	1048.3
60°	1186.4	1186.2	1229.5	1275.1	1323.8	1344.0	1303.0	1264.5	1201.9	1147.9	1137.0
62.5°	1218.1	1223.4	1294.4	1407.4	1527.5	1599.2	1491.0	1363.5	1242.7	1161.3	1146.9
65°	1140.0	1153.2	1254.1	1432.5	1669.7	1845.0	1600.7	1365.8	1197.3	1096.0	1080.7
67.5°	840.3	866.6	1000.2	1292.6	1657.5	1908.1	1581.2	1239.4	1040.0	919.3	898.3
70°	414.6	439.6	545.6	850.4	1363.8	1705.6	1368.1	934.0	702.4	586.4	567.1
72.5°	152.5	162.7	204.2	363.9	752.6	1259.9	935.6	521.8	340.3	270.9	258.0
75°	74.8	76.5	82.9	122.1	277.7	593.0	439.6	200.2	125.2	109.0	105.4
77.5°	47.6	48.4	51.4	58.3	89.2	186.8	133.3	79.1	61.3	58.8	58.8
80°	26.6	27.4	31.4	36.2	41.8	64.1	47.9	47.4	40.3	35.2	34.5
82.5°	12.7	13.9	20.0	19.8	22.0	32.2	28.1	25.6	25.8	19.5	18.5
85°	5.8	5.8	7.9	9.4	9.9	10.9	12.9	14.7	14.4	9.9	10.6
87.5°	2.8	2.8	2.8	2.5	2.3	2.0	2.8	4.6	6.6	4.6	4.3
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)