

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: P629271

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3095.1 lumens
Efficiency: N/A
Efficacy: 123.8 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

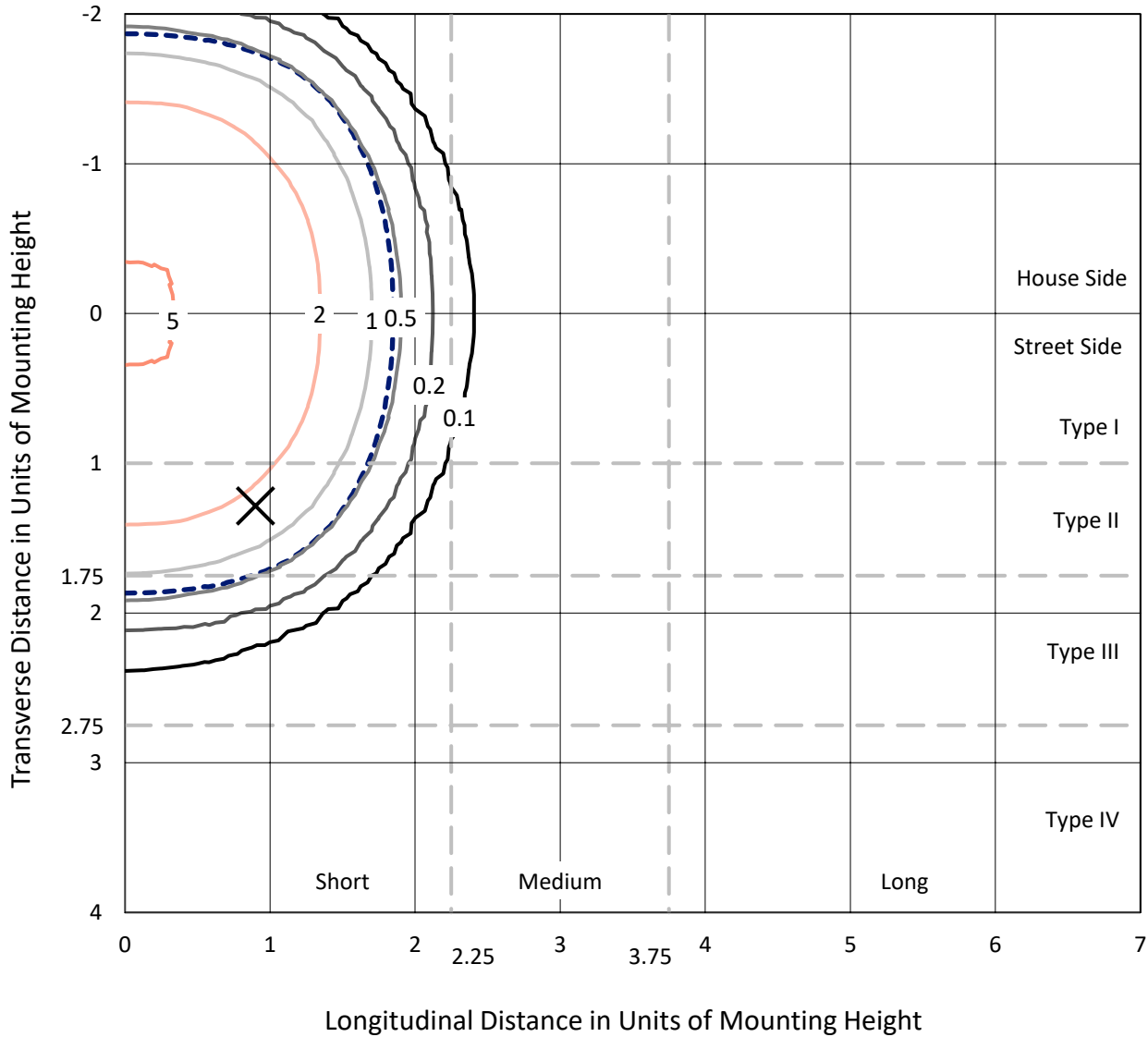
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

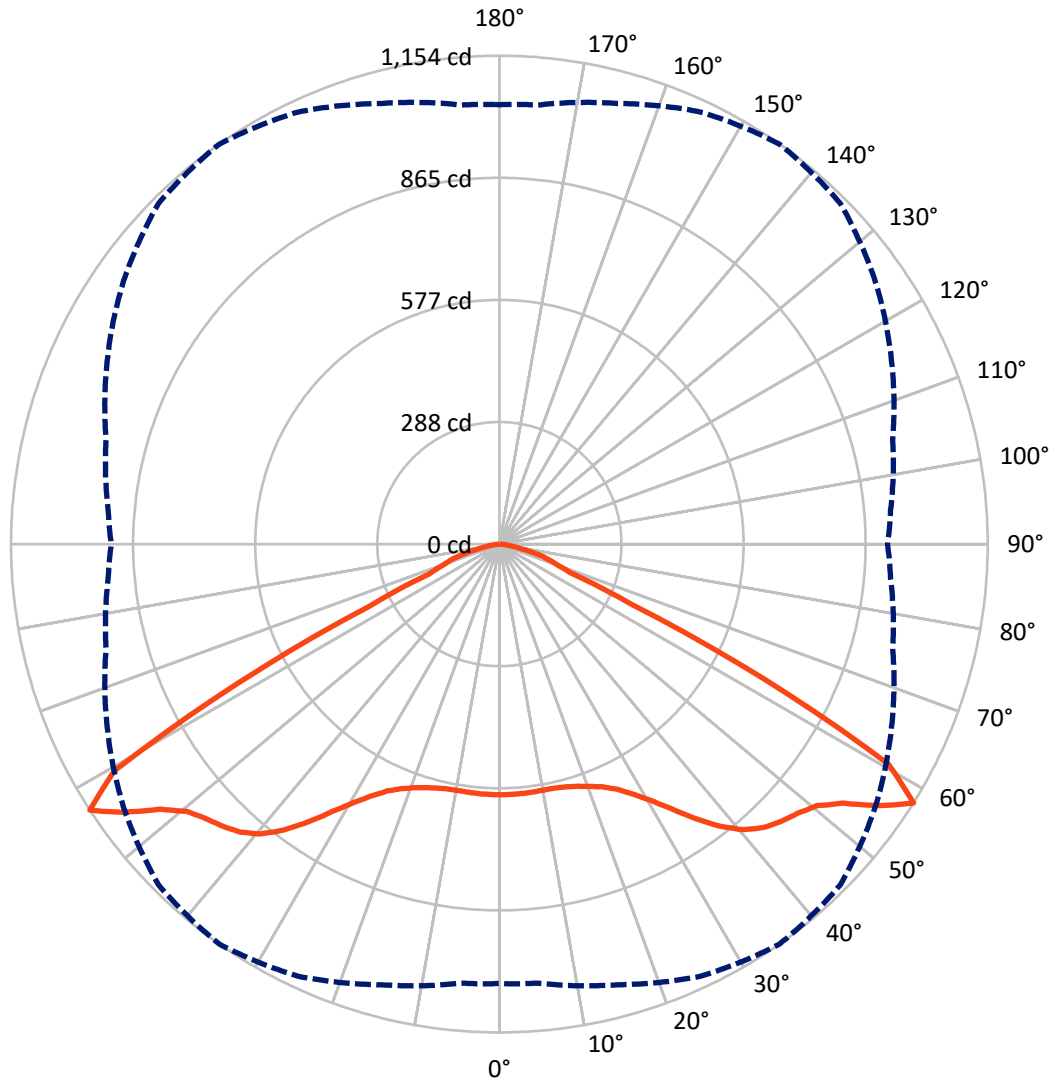
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.5	0.0	1547.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1547.5	0.0	1547.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3095.1	0.0	3095.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.8
10°-20°	168.1	5.4
20°-30°	293.3	9.5
30°-40°	480.9	15.5
40°-50°	708.3	22.9
50°-60°	903.9	29.2
60°-70°	380.9	12.3
70°-80°	91.0	2.9
80°-90°	12.4	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°	3095.1	100.0
0°-180°	3095.1	100.0

Coefficient of Utilization



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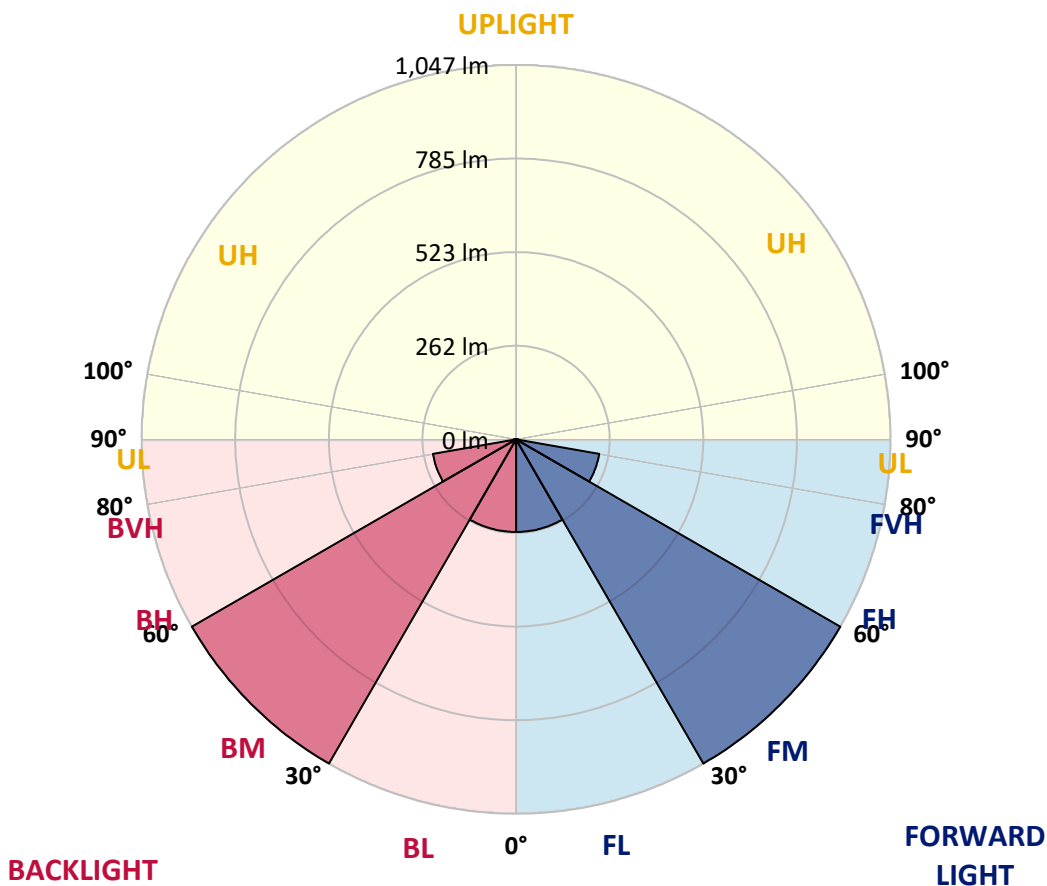
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.9	8.4			
FM (30°-60°)	1046.5	33.8			
FH (60°-80°)	236.0	7.6			G0/660
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	258.9	8.4	B1/500		
BM (30°-60°)	1046.5	33.8	B2/2500		
BH (60°-80°)	236.0	7.6	B1/500		G0/660
BVH (80°-90°)	6.2	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°	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2
2.5°	588.7	588.7	589.9	591.2	591.7	594.0	593.7	593.0	592.5	590.9	593.0
5°	589.9	589.9	590.9	591.7	591.5	593.2	592.5	591.2	590.4	588.9	591.2
7.5°	589.7	589.7	590.4	591.2	590.7	592.2	590.9	589.2	587.9	586.4	588.4
10°	586.4	586.9	587.7	589.4	590.2	592.5	590.7	587.9	585.9	584.1	586.1
12.5°	585.9	586.4	587.4	589.7	590.9	594.2	592.0	587.4	584.4	582.1	584.1
15°	588.2	588.7	590.2	593.0	595.0	598.5	595.3	588.9	584.6	581.6	583.3
17.5°	590.9	591.7	594.0	598.0	601.3	605.1	601.1	593.5	587.4	583.3	584.9
20°	594.0	595.0	598.5	604.6	610.7	615.5	610.5	600.3	593.0	587.7	589.2
22.5°	599.3	600.6	605.1	613.8	622.9	630.0	623.6	610.0	600.3	593.5	594.7
25°	610.2	611.7	617.6	627.9	640.9	649.5	640.6	625.2	611.7	603.4	604.6
27.5°	629.5	630.2	637.8	651.5	667.5	677.4	666.7	648.5	633.5	623.9	624.9
30°	654.8	657.1	664.7	682.7	701.7	714.9	700.9	679.4	662.2	650.5	651.5
32.5°	685.7	687.2	698.6	717.4	744.8	760.0	741.0	715.4	694.6	680.4	681.4
35°	726.3	727.5	738.4	762.2	795.4	809.6	787.8	758.4	734.4	720.9	724.7
37.5°	774.7	776.9	784.8	808.4	845.4	859.3	834.2	806.8	781.8	769.3	772.1
40°	826.6	826.4	832.7	853.5	887.2	895.8	873.2	851.4	829.9	821.8	826.4
42.5°	871.2	869.9	874.5	891.7	915.1	915.8	900.9	888.7	873.5	867.9	872.2
45°	902.4	902.9	909.7	921.6	933.6	927.2	922.7	920.6	908.7	901.1	901.9
47.5°	927.0	929.0	939.9	948.0	949.5	938.9	945.2	948.2	938.4	926.7	923.4
50°	948.8	952.0	966.2	974.9	971.6	958.1	970.5	975.1	953.3	931.0	924.4
52.5°	988.3	992.1	1009.3	1020.5	1016.7	1003.2	1014.9	998.7	961.9	934.6	926.2
55°	1051.4	1053.2	1074.2	1092.4	1090.7	1074.2	1064.8	1028.8	984.2	955.9	948.0
57.5°	1038.0	1041.0	1077.5	1126.1	1153.5	1138.6	1083.6	1022.2	961.7	927.5	916.8
60°	816.7	824.1	869.4	955.1	1055.4	1055.2	953.1	857.8	784.8	739.4	734.9
62.5°	476.9	482.0	523.3	610.0	699.9	705.5	633.8	568.4	504.5	473.9	459.2
65°	225.8	225.5	242.0	281.0	341.8	346.7	325.1	289.4	251.6	241.2	238.5
67.5°	166.7	166.7	165.5	168.3	179.9	182.5	179.9	174.1	170.5	172.8	171.3
70°	144.7	144.9	143.4	142.7	142.7	141.9	142.9	145.2	146.7	149.8	148.2
72.5°	117.3	117.6	117.6	117.8	118.1	117.1	118.6	119.9	120.1	121.1	120.1
75°	83.4	83.9	85.4	86.7	87.7	87.7	88.2	88.4	87.4	88.7	86.7
77.5°	45.9	46.4	49.2	51.4	53.7	54.0	54.7	55.2	54.7	55.7	54.2
80°	25.3	25.8	27.1	28.1	29.9	31.4	32.4	32.9	32.9	33.7	32.9
82.5°	14.4	15.0	15.7	16.2	17.7	19.0	20.0	20.8	20.8	21.0	20.5
85°	6.8	6.8	7.3	7.9	8.6	9.1	10.4	11.1	11.1	11.7	11.1
87.5°	1.0	1.3	1.5	1.5	2.0	2.5	3.0	3.3	3.8	4.1	4.1
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)