

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: P631578

Luminaire Tested: GWS-SA2B-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3105.9 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

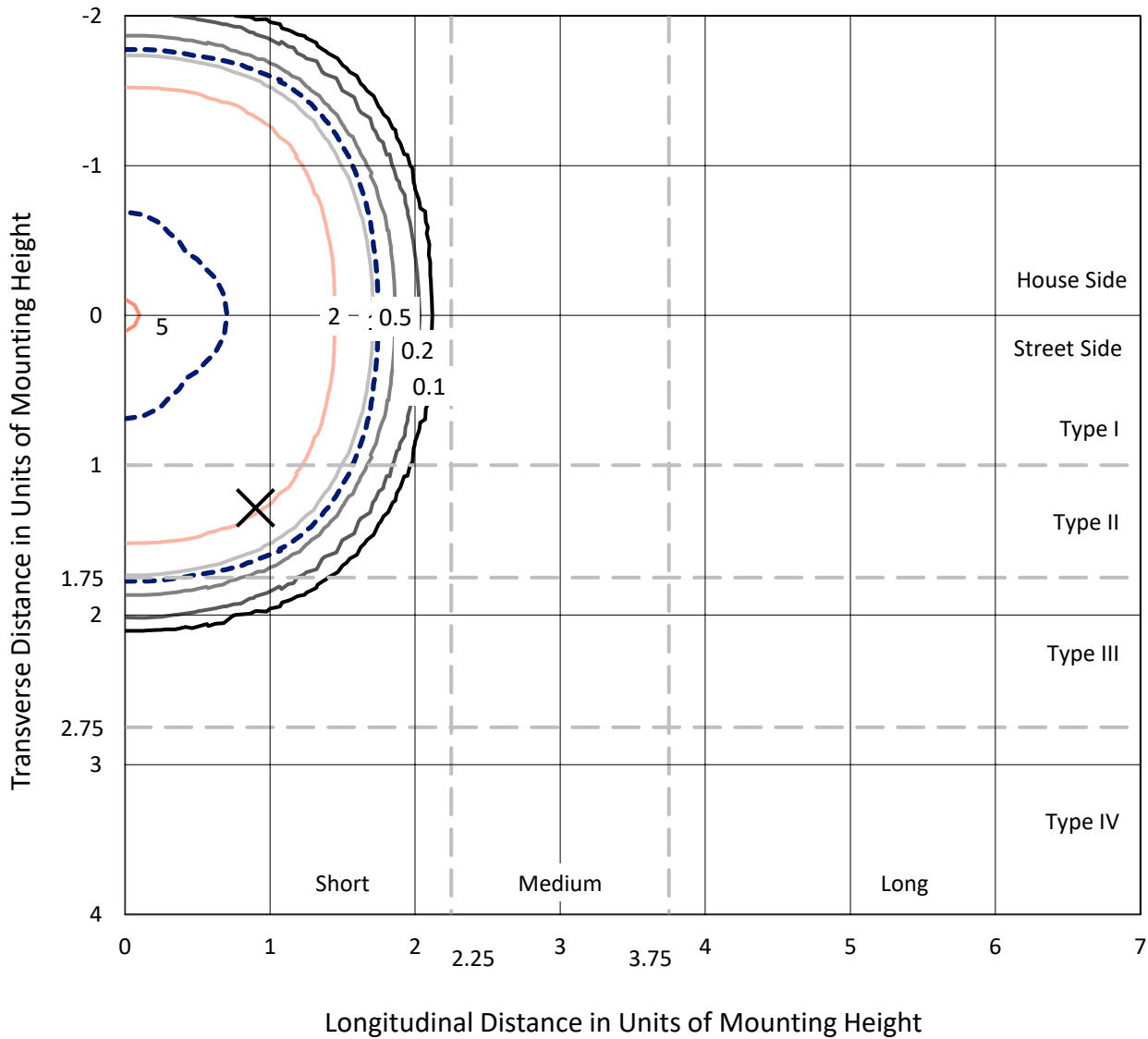
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

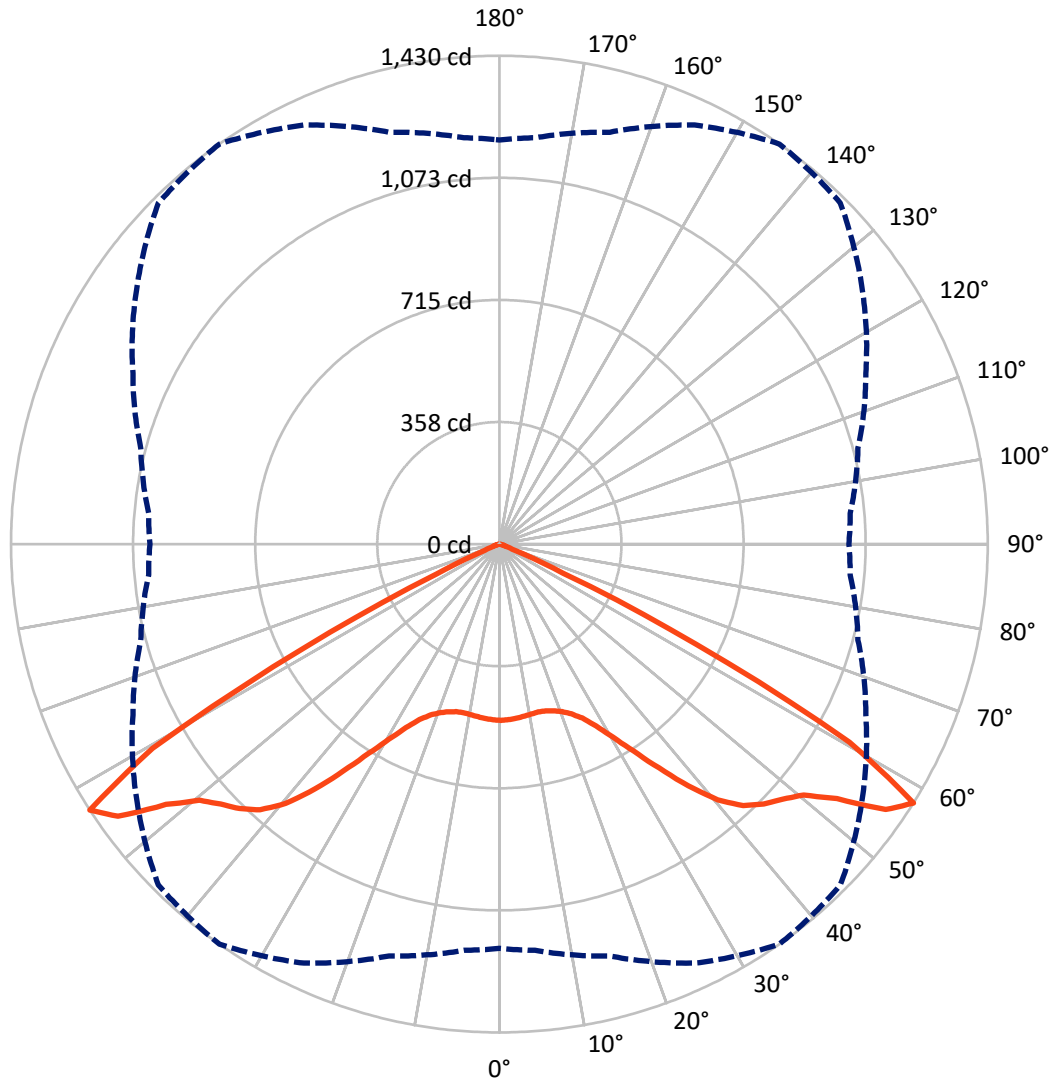
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	1553.0	0.0	1553.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1553.0	0.0	1553.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3105.9	0.0	3105.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.6
10°-20°	143.1	4.6
20°-30°	258.7	8.3
30°-40°	482.6	15.5
40°-50°	809.6	26.1
50°-60°	1069.1	34.4
60°-70°	283.9	9.1
70°-80°	10.1	0.3
80°-90°	0.2	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°	3105.9	100.0
0°-180°	3105.9	100.0

Coefficient of Utilization



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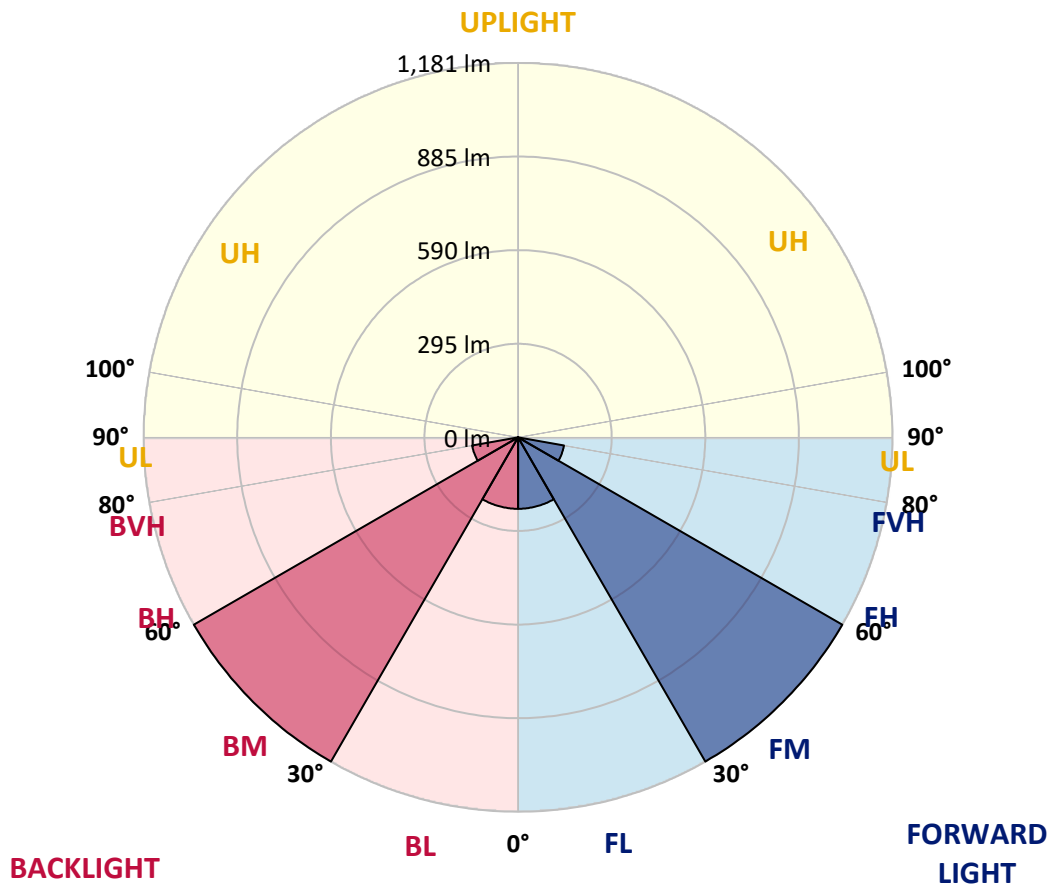
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.2	7.3			
FM (30°-60°)	1180.6	38.0			
FH (60°-80°)	147.0	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	225.2	7.3	B1/500		
BM (30°-60°)	1180.6	38.0	B2/2500		
BH (60°-80°)	147.0	4.7	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	512.7	512.4	513.8	514.9	514.9	517.5	516.7	516.0	515.3	514.2	516.7
5°	512.0	511.6	512.7	513.5	512.7	514.9	513.5	512.0	511.3	509.8	512.7
7.5°	508.7	509.1	509.8	510.6	509.5	511.3	509.5	507.3	505.5	504.0	506.5
10°	503.6	504.0	504.7	506.2	506.5	509.1	506.5	502.5	500.0	497.8	500.3
12.5°	501.1	501.4	502.5	504.4	504.7	508.0	504.7	498.9	495.2	492.7	495.2
15°	501.8	502.5	504.0	506.2	506.9	510.2	505.8	498.2	493.1	489.8	492.0
17.5°	504.4	505.1	507.3	510.9	513.5	516.7	511.3	501.4	494.5	489.8	492.0
20°	507.6	508.7	512.4	518.2	523.7	529.5	522.6	509.1	500.0	494.2	496.0
22.5°	516.7	517.8	522.9	530.6	539.7	547.0	538.6	521.5	509.1	501.4	503.3
25°	535.3	536.4	543.0	552.8	564.5	574.0	563.4	541.9	525.9	517.1	517.8
27.5°	564.5	565.6	573.2	587.1	602.8	616.2	600.9	575.8	557.6	547.4	547.4
30°	601.3	602.8	613.0	631.5	656.0	673.8	653.0	622.4	599.1	585.3	585.6
32.5°	648.7	647.2	661.8	687.3	721.9	745.6	715.0	677.8	649.0	629.7	631.5
35°	709.5	709.2	725.6	760.2	805.4	833.8	797.4	749.2	714.6	694.9	695.3
37.5°	787.9	787.5	806.5	844.0	898.3	922.0	881.2	832.3	795.2	776.2	778.4
40°	879.7	877.5	894.3	930.4	984.7	1000.0	955.5	916.2	880.4	868.4	874.2
42.5°	967.2	962.4	972.3	1005.1	1047.0	1049.2	1015.6	988.7	964.3	954.8	958.4
45°	1037.5	1033.9	1043.0	1061.9	1086.0	1075.0	1059.0	1050.6	1030.9	1020.7	1024.0
47.5°	1090.0	1090.0	1100.9	1112.6	1116.2	1096.2	1098.7	1098.7	1079.0	1063.0	1059.0
50°	1135.2	1138.4	1154.8	1166.9	1154.8	1129.3	1143.9	1141.0	1100.9	1068.8	1060.5
52.5°	1207.3	1210.6	1235.7	1252.1	1238.7	1213.5	1215.3	1178.9	1119.9	1082.0	1068.8
55°	1283.9	1291.9	1328.3	1372.0	1372.4	1346.5	1298.4	1233.9	1162.1	1121.0	1107.5
57.5°	1183.6	1194.6	1248.9	1354.2	1430.4	1412.5	1297.7	1184.4	1087.4	1031.3	1023.7
60°	814.5	833.4	887.7	1031.7	1178.5	1185.5	1049.9	922.7	811.6	742.3	743.8
62.5°	344.0	363.3	393.9	512.4	647.2	655.6	590.0	498.9	408.2	358.2	365.9
65°	80.9	86.4	95.5	141.8	205.5	215.0	198.2	154.5	114.1	96.6	98.4
67.5°	35.3	36.1	34.3	36.4	45.2	46.3	44.8	39.4	37.2	37.9	37.9
70°	24.8	25.1	23.7	22.6	21.5	20.0	20.8	23.0	24.8	26.2	25.9
72.5°	15.3	15.7	16.0	16.0	14.9	13.5	14.2	15.7	16.0	16.4	16.0
75°	7.7	8.0	8.7	9.1	8.7	8.4	8.4	8.7	8.7	8.4	8.4
77.5°	1.5	1.8	2.6	2.9	2.9	2.9	2.9	2.9	3.3	2.9	2.9
80°	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)