

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: P630039

Luminaire Tested: GWS-SA1C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630039
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-SA1C-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3343.2 lumens
Efficiency: N/A
Efficacy: 98.0 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

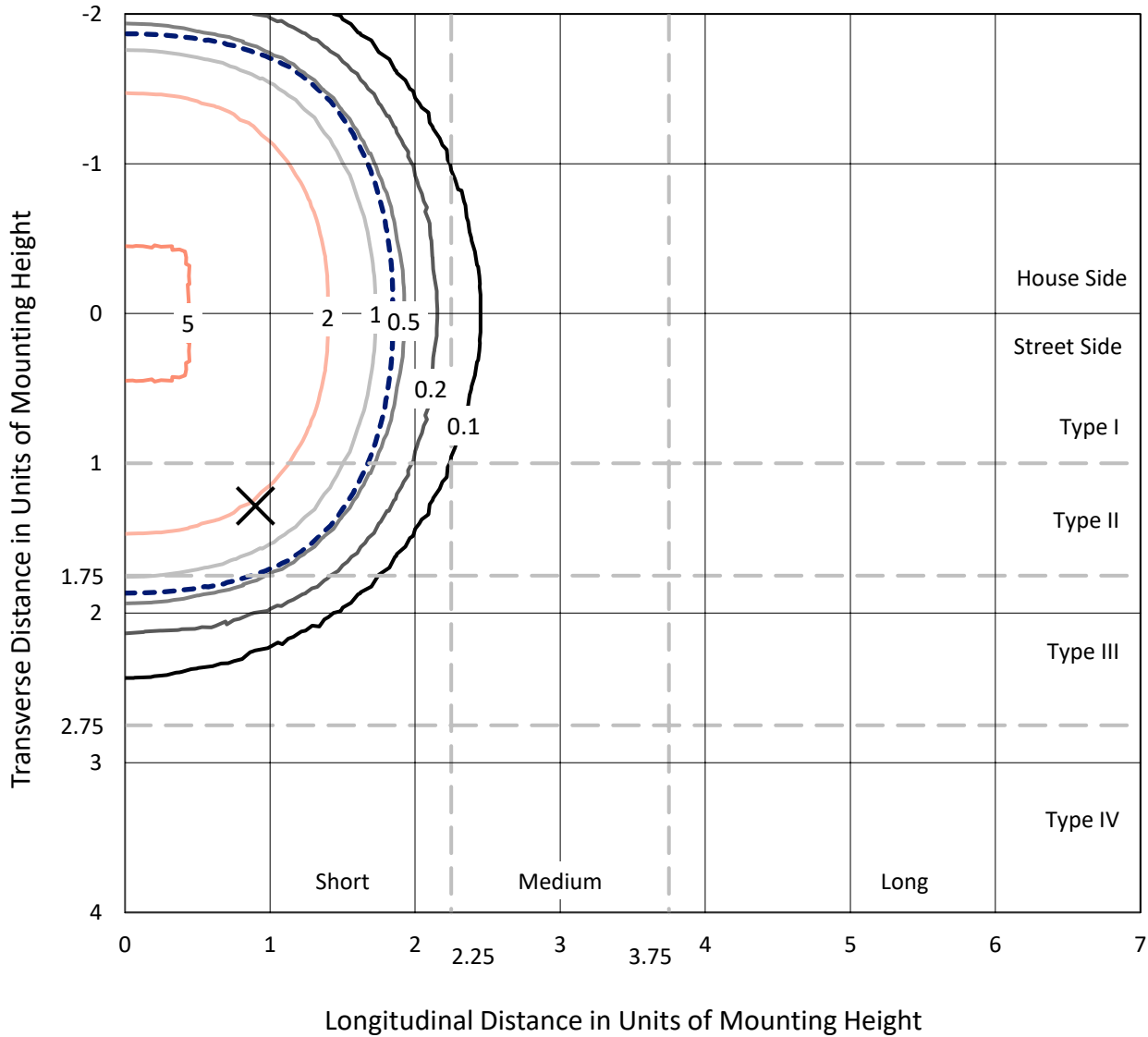
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

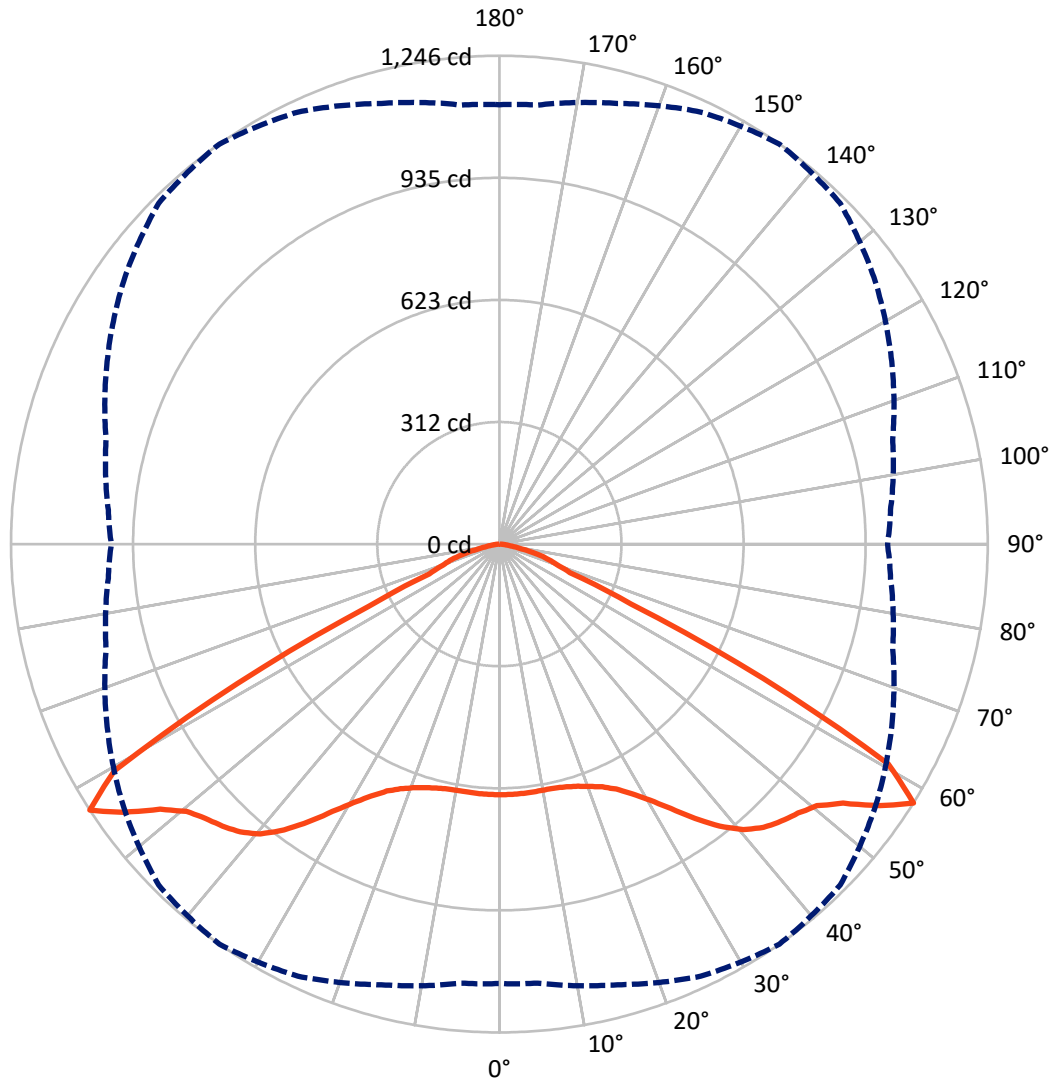
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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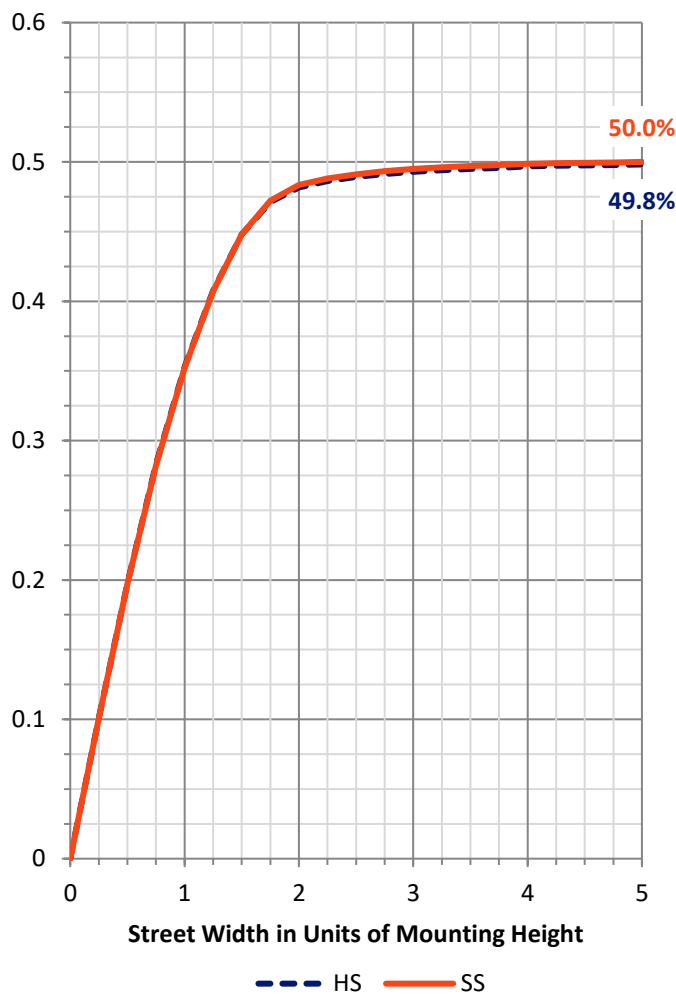
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1671.6	0.0	1671.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1671.6	0.0	1671.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3343.2	0.0	3343.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.8
10°-20°	181.6	5.4
20°-30°	316.8	9.5
30°-40°	519.5	15.5
40°-50°	765.0	22.9
50°-60°	976.3	29.2
60°-70°	411.5	12.3
70°-80°	98.3	2.9
80°-90°	13.4	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°	3343.2	100.0
0°-180°	3343.2	100.0

Coefficient of Utilization



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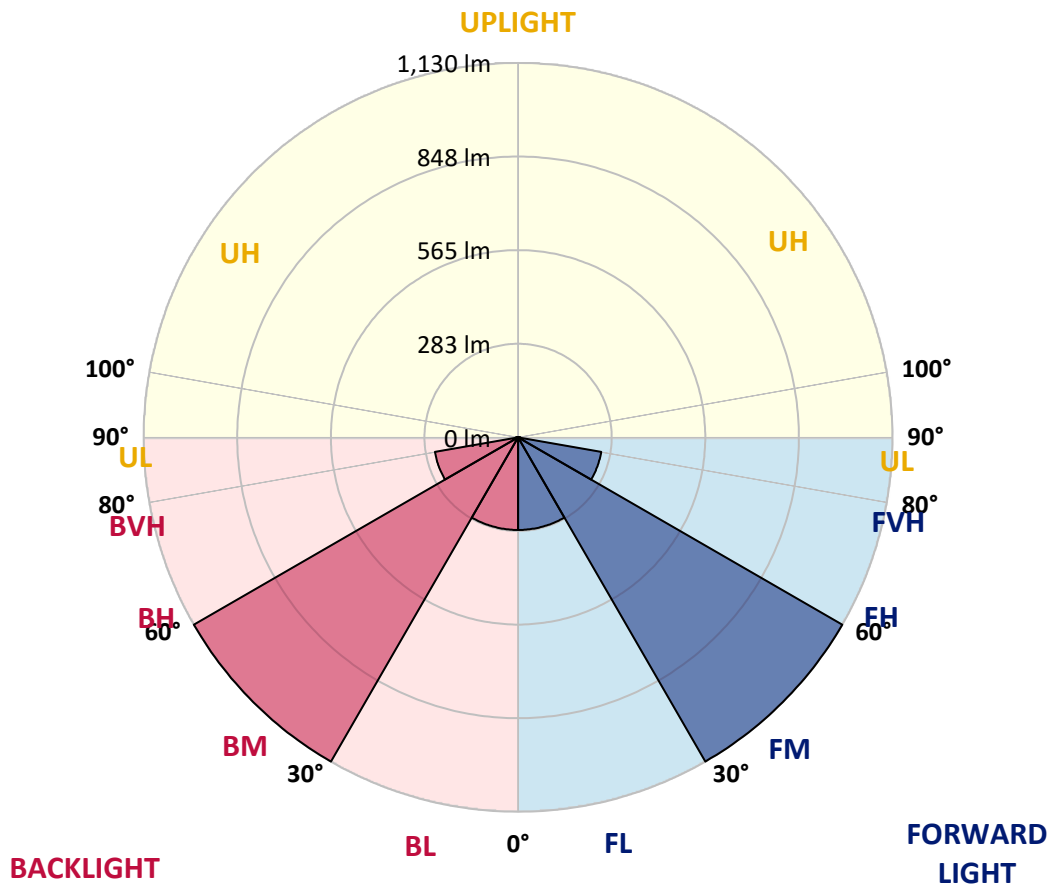
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.6	8.4			
FM (30°-60°)	1130.4	33.8			
FH (60°-80°)	254.9	7.6			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	279.6	8.4	B1/500		
BM (30°-60°)	1130.4	33.8	B2/2500		
BH (60°-80°)	254.9	7.6	B1/500		G0/660
BVH (80°-90°)	6.7	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°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
2.5°	635.9	635.9	637.2	638.6	639.1	641.6	641.3	640.5	640.0	638.3	640.5
5°	637.2	637.2	638.3	639.1	638.9	640.8	640.0	638.6	637.8	636.1	638.6
7.5°	636.9	636.9	637.8	638.6	638.0	639.7	638.3	636.4	635.0	633.4	635.6
10°	633.4	633.9	634.8	636.7	637.5	640.0	638.0	635.0	632.8	630.9	633.1
12.5°	632.8	633.4	634.5	636.9	638.3	641.9	639.4	634.5	631.2	628.7	630.9
15°	635.3	635.9	637.5	640.5	642.7	646.5	643.0	636.1	631.5	628.2	630.1
17.5°	638.3	639.1	641.6	646.0	649.5	653.6	649.3	641.1	634.5	630.1	631.7
20°	641.6	642.7	646.5	653.1	659.7	664.9	659.4	648.4	640.5	634.8	636.4
22.5°	647.3	648.7	653.6	662.9	672.8	680.5	673.6	658.8	648.4	641.1	642.4
25°	659.1	660.8	667.1	678.3	692.2	701.5	692.0	675.3	660.8	651.7	653.1
27.5°	679.9	680.7	689.0	703.7	721.0	731.7	720.2	700.4	684.3	673.9	675.0
30°	707.3	709.8	718.0	737.4	757.9	772.2	757.1	733.8	715.2	702.6	703.7
32.5°	740.7	742.3	754.6	774.9	804.5	820.9	800.4	772.7	750.3	734.9	736.0
35°	784.5	785.8	797.6	823.3	859.2	874.5	851.0	819.2	793.2	778.7	782.8
37.5°	836.8	839.2	847.7	873.2	913.1	928.2	901.1	871.5	844.4	831.0	834.0
40°	892.9	892.6	899.4	921.9	958.3	967.6	943.2	919.7	896.4	887.7	892.6
42.5°	941.0	939.7	944.6	963.2	988.4	989.2	973.1	959.9	943.5	937.5	942.1
45°	974.7	975.3	982.7	995.5	1008.4	1001.5	996.6	994.4	981.6	973.3	974.2
47.5°	1001.3	1003.5	1015.2	1024.0	1025.6	1014.1	1021.0	1024.3	1013.6	1001.0	997.4
50°	1024.8	1028.4	1043.7	1053.0	1049.4	1034.9	1048.3	1053.3	1029.7	1005.6	998.5
52.5°	1067.5	1071.6	1090.2	1102.3	1098.2	1083.7	1096.2	1078.7	1039.0	1009.5	1000.4
55°	1135.7	1137.6	1160.3	1180.0	1178.1	1160.3	1150.2	1111.3	1063.1	1032.5	1024.0
57.5°	1121.2	1124.4	1163.9	1216.4	1246.0	1229.8	1170.4	1104.2	1038.8	1001.8	990.3
60°	882.2	890.1	939.1	1031.6	1140.0	1139.8	1029.5	926.5	847.7	798.7	793.8
62.5°	515.1	520.6	565.2	658.8	756.0	762.0	684.6	614.0	545.0	511.9	496.0
65°	243.9	243.6	261.4	303.6	369.2	374.4	351.2	312.6	271.8	260.6	257.6
67.5°	180.1	180.1	178.7	181.7	194.3	197.1	194.3	188.0	184.2	186.7	185.0
70°	156.3	156.6	154.9	154.1	154.1	153.3	154.4	156.8	158.5	161.8	160.1
72.5°	126.7	127.0	127.0	127.3	127.6	126.5	128.1	129.5	129.7	130.8	129.7
75°	90.1	90.6	92.2	93.6	94.7	94.7	95.3	95.5	94.4	95.8	93.6
77.5°	49.5	50.1	53.1	55.6	58.0	58.3	59.1	59.7	59.1	60.2	58.6
80°	27.4	27.9	29.3	30.4	32.3	33.9	35.0	35.6	35.6	36.4	35.6
82.5°	15.6	16.1	17.0	17.5	19.2	20.5	21.6	22.4	22.4	22.7	22.2
85°	7.4	7.4	7.9	8.5	9.3	9.9	11.2	12.0	12.0	12.6	12.0
87.5°	1.1	1.4	1.6	1.6	2.2	2.7	3.3	3.6	4.1	4.4	4.4
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)