

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: P629602

Luminaire Tested: GWS-SA1C-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629602
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-SA1C-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666.5 lumens
Efficiency: N/A
Efficacy: 107.5 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

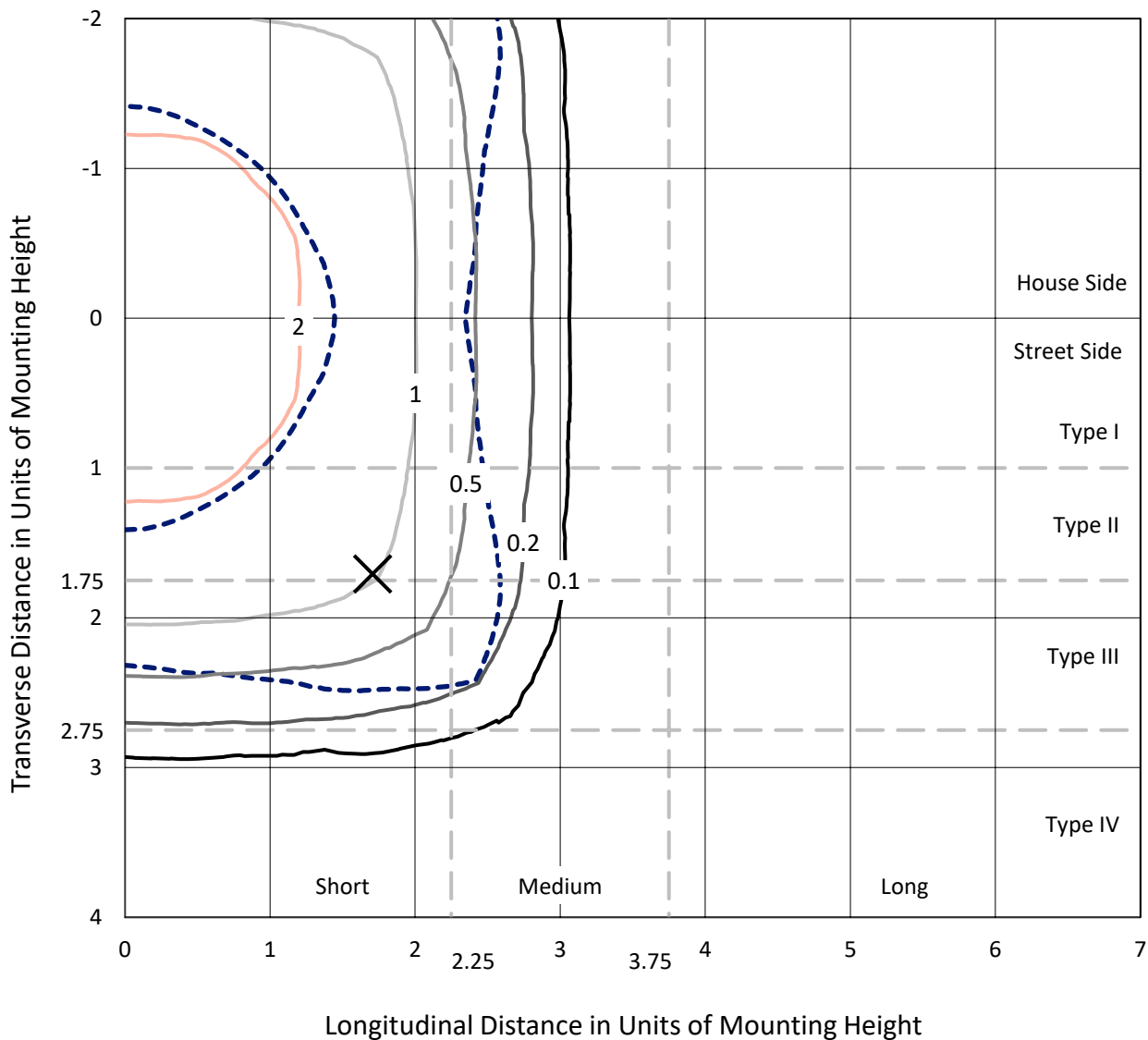
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629602
 CATALOG NUMBER: GWS-SA1C-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

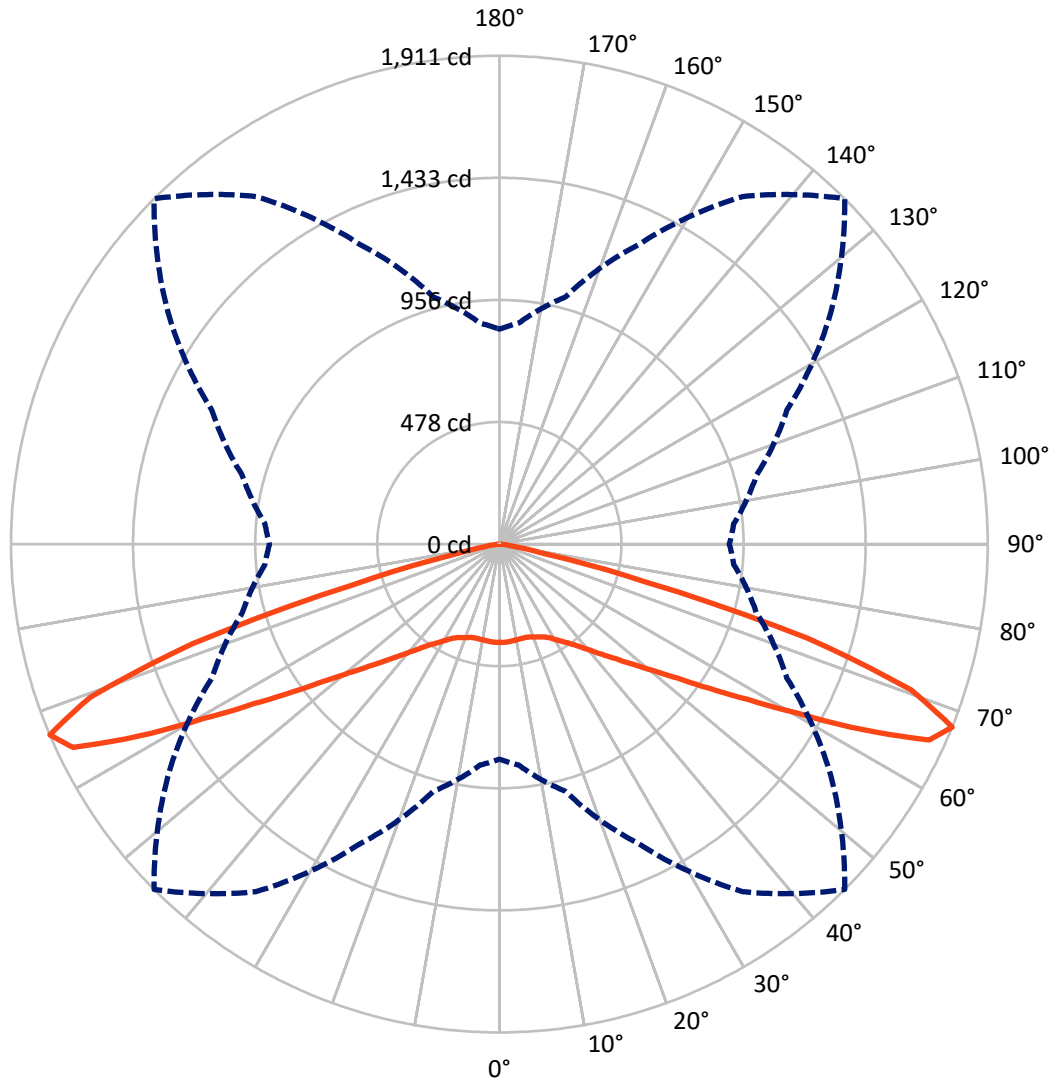
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

REPORT NUMBER: P629602
CATALOG NUMBER: GWS-SA1C-722-U-5MQ-W

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	1833.3	0.0	1833.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1833.3	0.0	1833.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3666.5	0.0	3666.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	1.0
10°-20°	106.7	2.9
20°-30°	184.1	5.0
30°-40°	299.4	8.2
40°-50°	504.1	13.7
50°-60°	893.1	24.4
60°-70°	1276.6	34.8
70°-80°	350.4	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°	3666.5	100.0
0°-180°	3666.5	100.0

Coefficient of Utilization



REPORT NUMBER: P629602

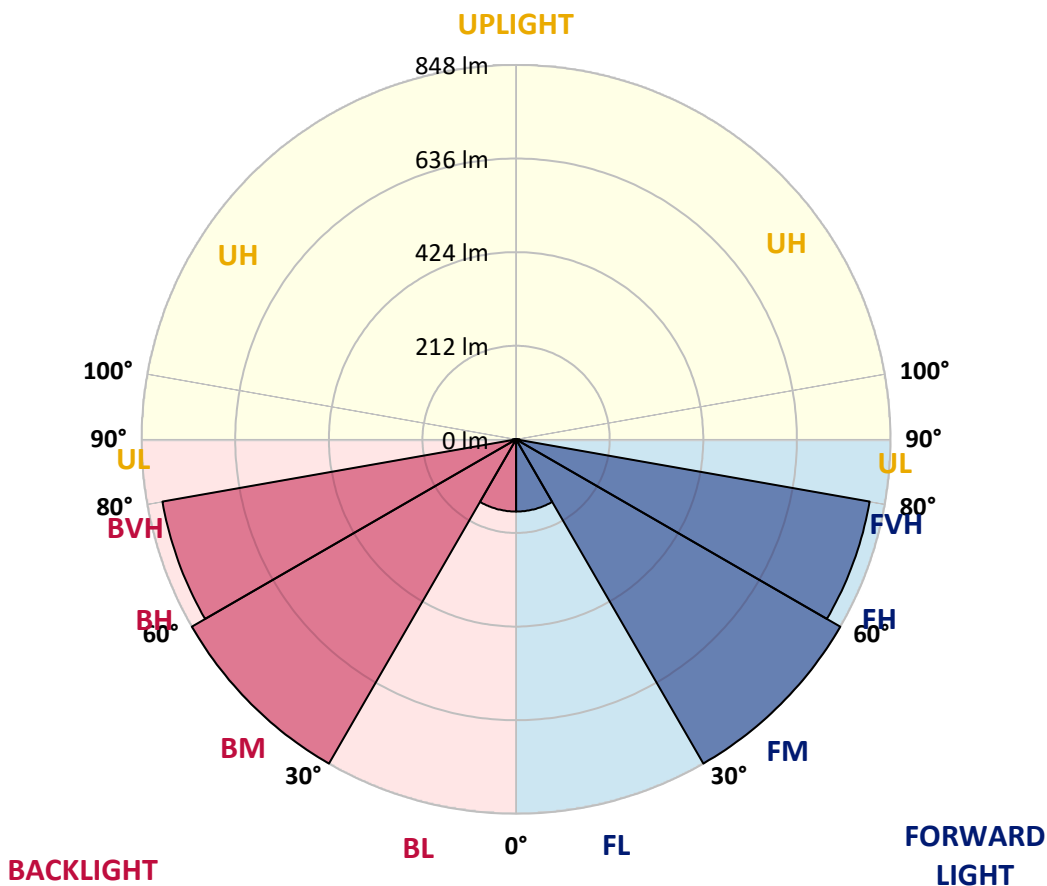
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.6	4.5			
FM (30°-60°)	848.3	23.1			
FH (60°-80°)	813.5	22.2			G1/1800
FVH (80°-90°)	7.9	0.2			G0/10
BL (0°-30°)	163.6	4.5	B1/500		
BM (30°-60°)	848.3	23.1	B1/1000		
BH (60°-80°)	813.5	22.2	B2/1000		G1/1800
BVH (80°-90°)	7.9	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°	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0	384.0
2.5°	381.5	381.2	382.5	383.2	383.0	384.8	384.5	384.0	384.0	383.2	385.3
5°	381.5	381.2	382.2	382.5	382.0	383.5	383.0	382.5	382.5	381.5	383.2
7.5°	379.4	379.7	380.4	381.0	380.4	381.7	381.0	379.9	379.7	378.7	380.4
10°	375.6	375.9	376.6	377.9	378.2	380.4	379.2	377.4	376.6	375.6	377.4
12.5°	373.3	373.6	374.4	375.9	376.4	379.4	378.2	375.4	374.1	373.1	374.9
15°	372.8	373.1	374.1	375.6	376.4	379.4	378.2	374.9	373.1	371.8	373.3
17.5°	372.8	373.3	374.9	377.1	378.7	381.7	380.2	376.4	373.8	371.6	373.1
20°	373.1	373.8	376.1	379.4	383.2	387.6	385.5	380.4	376.9	374.1	375.1
22.5°	375.4	376.6	379.4	383.7	389.3	394.4	392.6	385.8	380.7	376.9	377.9
25°	383.2	383.7	387.3	392.9	398.2	402.5	400.8	394.4	388.1	383.5	384.8
27.5°	397.2	398.5	401.5	407.4	411.9	414.2	413.9	409.6	403.3	399.2	400.2
30°	413.9	415.2	419.3	425.9	430.4	433.0	432.2	428.9	423.1	417.5	418.5
32.5°	433.5	434.0	438.8	446.2	451.0	454.8	452.3	448.7	441.4	434.8	435.3
35°	458.4	459.1	464.2	471.1	474.9	477.9	477.4	473.8	466.0	458.9	460.6
37.5°	489.6	490.1	494.7	503.3	506.3	508.6	509.1	507.3	499.2	490.1	491.9
40°	528.4	528.7	533.7	541.4	544.7	546.2	546.4	546.7	538.3	531.5	531.0
42.5°	573.6	574.9	582.0	589.3	590.8	590.1	592.6	595.2	587.0	577.7	578.4
45°	627.7	628.4	638.1	646.2	643.4	640.8	645.7	650.7	643.4	631.2	627.7
47.5°	691.6	693.1	703.5	711.7	707.1	702.5	710.4	715.7	703.8	690.8	687.5
50°	763.9	765.0	779.7	789.8	784.5	776.1	786.0	791.6	775.6	759.6	752.5
52.5°	849.5	847.4	867.0	884.8	881.5	870.5	878.7	879.7	855.8	833.2	826.1
55°	953.8	951.8	971.3	990.8	999.0	996.2	992.4	986.3	951.0	926.9	920.3
57.5°	1075.4	1069.0	1096.4	1122.8	1140.6	1145.7	1129.4	1115.2	1087.3	1057.6	1050.0
60°	1188.3	1188.0	1231.4	1277.1	1325.9	1346.2	1305.0	1266.5	1203.8	1149.7	1138.8
62.5°	1220.0	1225.4	1296.4	1409.6	1529.9	1601.7	1493.4	1365.7	1244.6	1163.2	1148.7
65°	1141.9	1155.0	1256.1	1434.7	1672.3	1847.9	1603.3	1368.0	1199.2	1097.7	1082.5
67.5°	841.6	868.0	1001.8	1294.6	1660.1	1911.1	1583.7	1241.3	1041.6	920.8	899.7
70°	415.2	440.3	546.4	851.8	1366.0	1708.3	1370.3	935.5	703.5	587.3	568.0
72.5°	152.8	162.9	204.6	364.5	753.8	1261.9	937.0	522.6	340.9	271.3	258.4
75°	74.9	76.6	83.0	122.3	278.2	593.9	440.3	200.5	125.4	109.1	105.6
77.5°	47.7	48.5	51.5	58.4	89.3	187.1	133.5	79.2	61.4	58.9	58.9
80°	26.6	27.4	31.5	36.3	41.9	64.2	48.0	47.5	40.4	35.3	34.5
82.5°	12.7	14.0	20.1	19.8	22.1	32.2	28.2	25.6	25.9	19.5	18.5
85°	5.8	5.8	7.9	9.4	9.9	10.9	12.9	14.7	14.5	9.9	10.7
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)