

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: P630043

Luminaire Tested: GWS-SA1C-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3990.9 lumens
Efficiency: N/A
Efficacy: 117.0 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

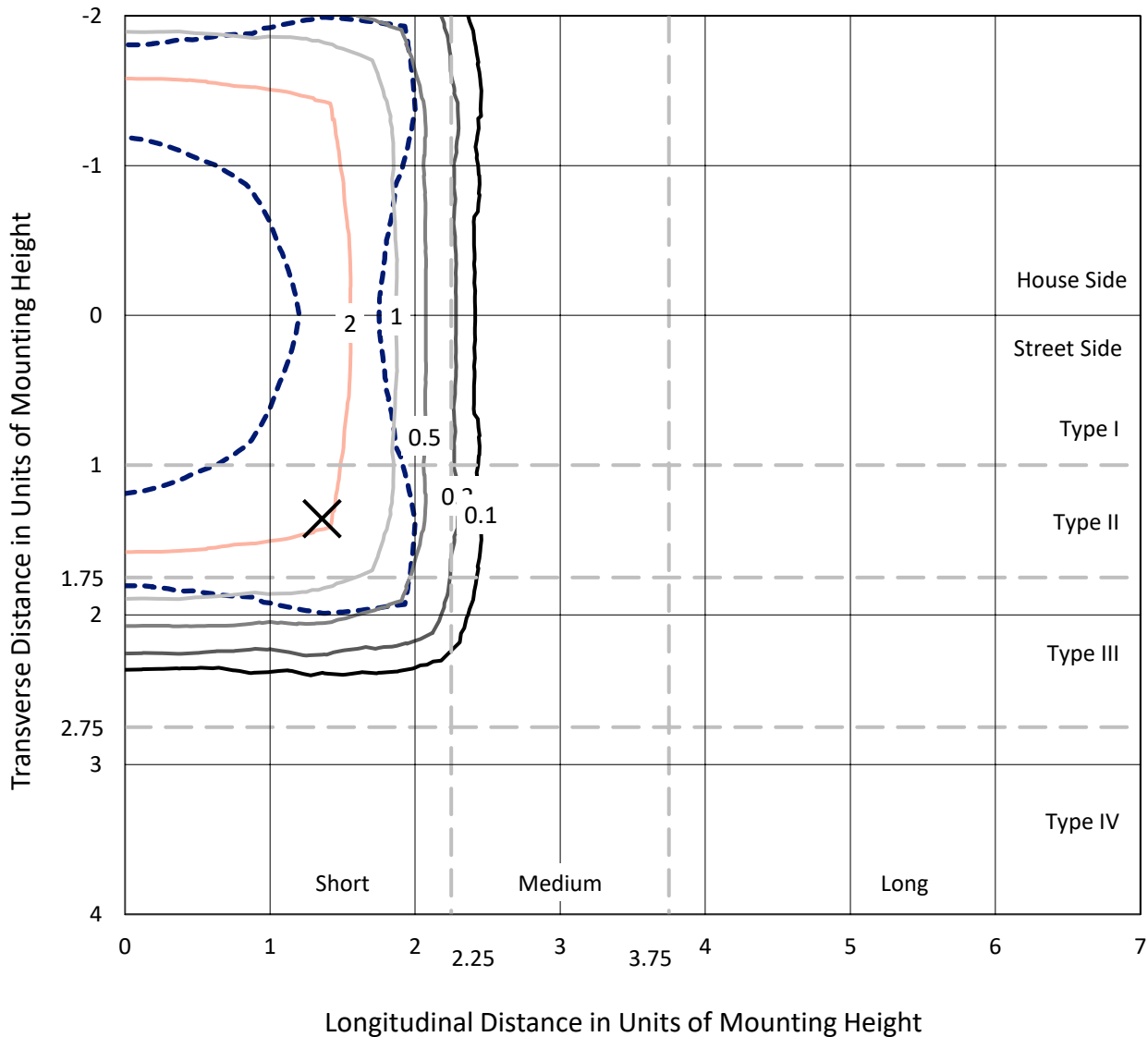
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

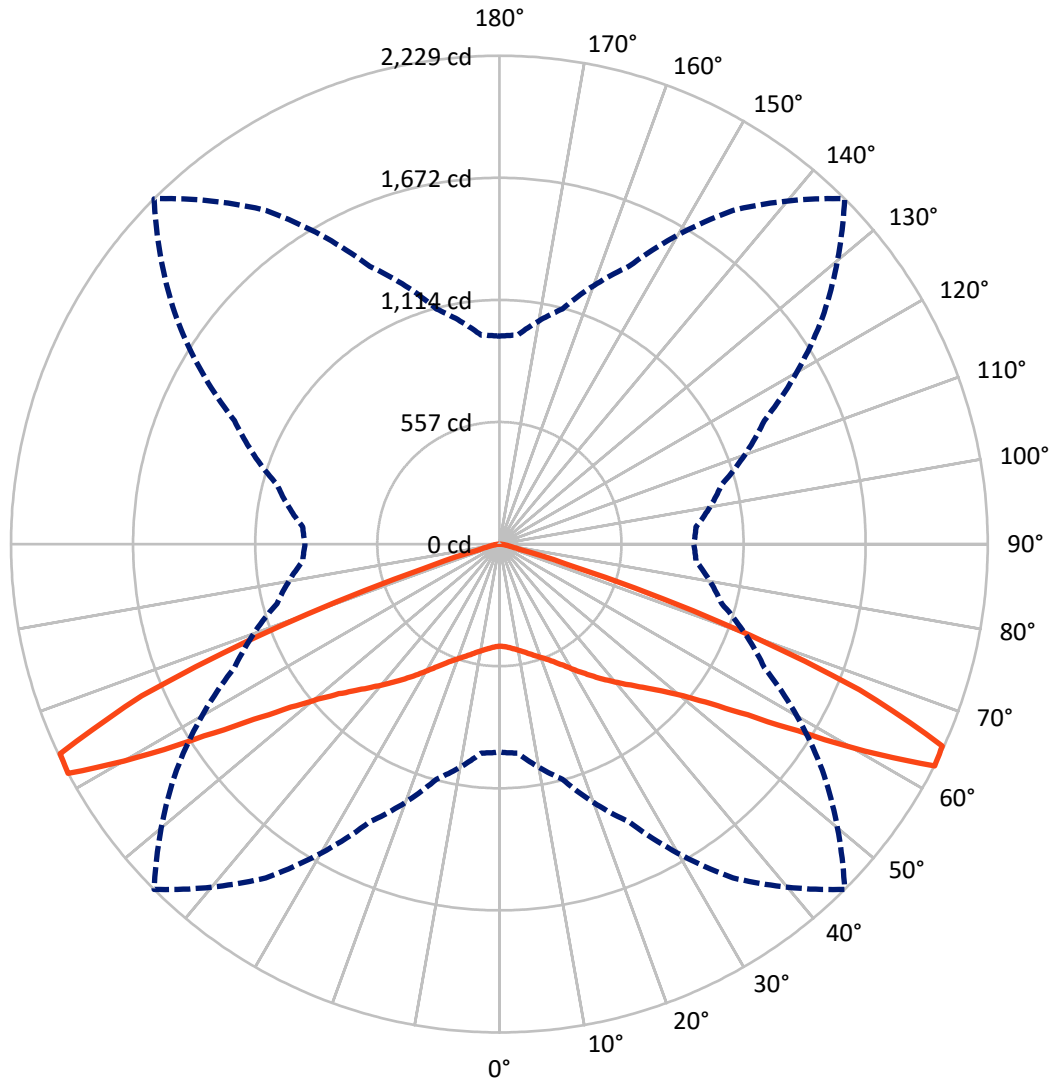
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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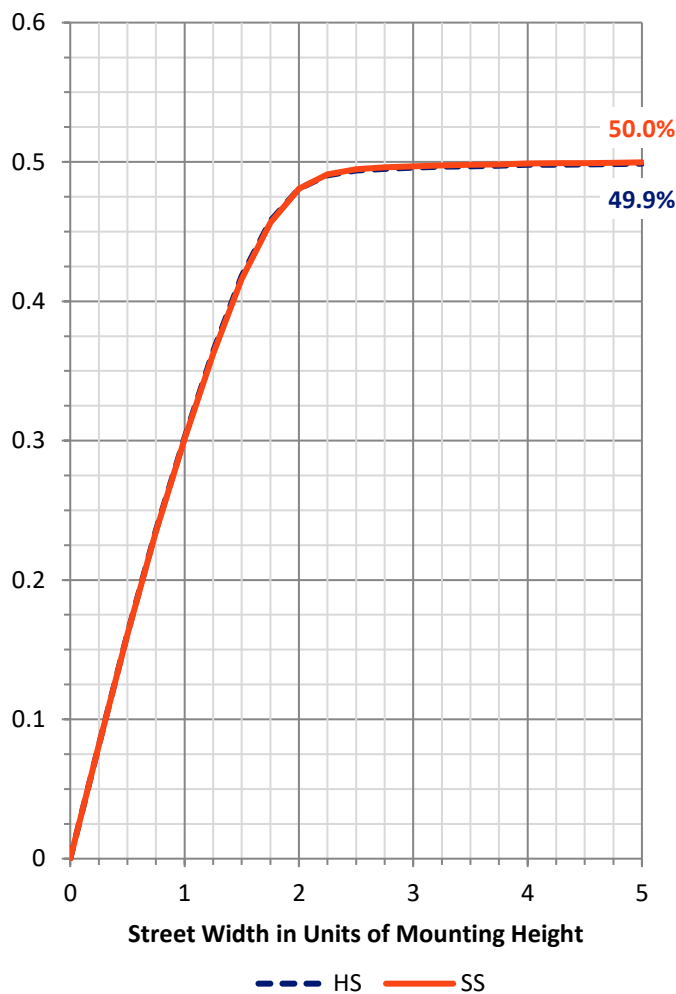
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1995.4	0.0	1995.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1995.4	0.0	1995.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3990.9	0.0	3990.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.1
10°-20°	147.3	3.7
20°-30°	278.7	7.0
30°-40°	469.1	11.8
40°-50°	749.5	18.8
50°-60°	1208.1	30.3
60°-70°	985.7	24.7
70°-80°	95.7	2.4
80°-90°	11.1	0.3
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°	3990.9	100.0
0°-180°	3990.9	100.0

Coefficient of Utilization



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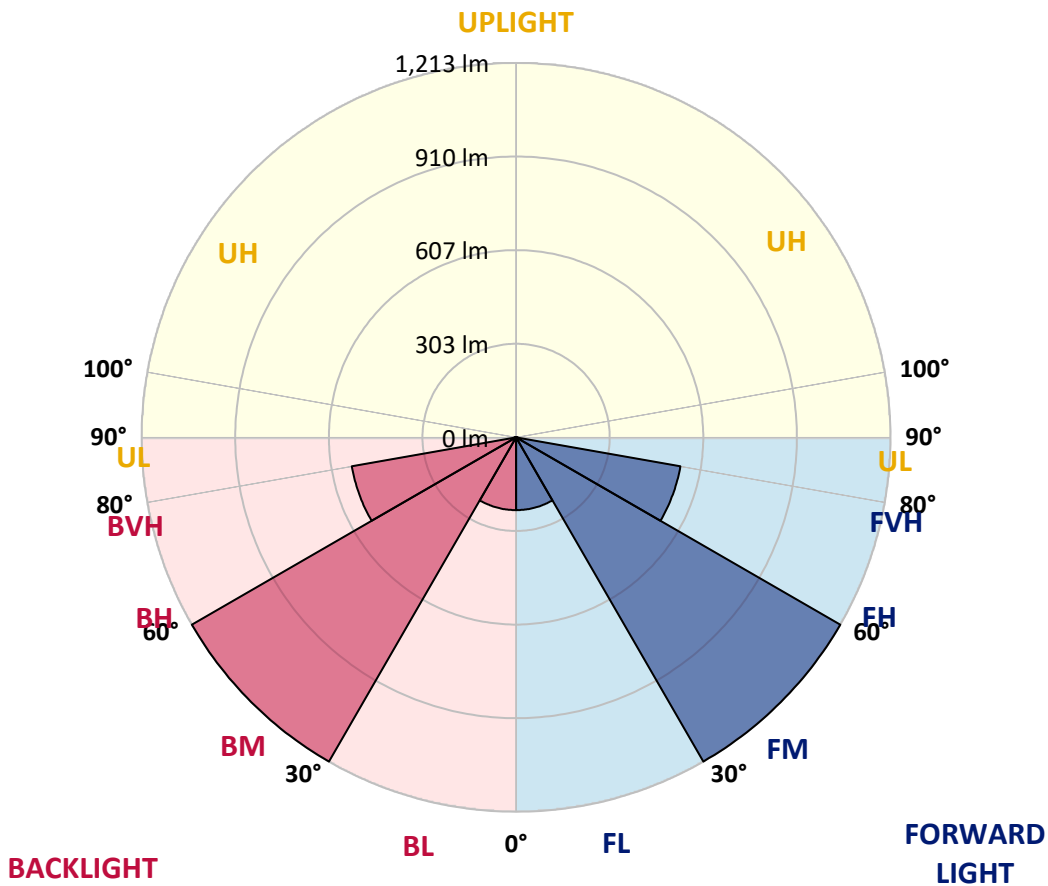
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.8	5.9			
FM (30°-60°)	1213.3	30.4			
FH (60°-80°)	540.7	13.5			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	235.8	5.9	B1/500		
BM (30°-60°)	1213.3	30.4	B2/2500		
BH (60°-80°)	540.7	13.5	B2/1000		G0/660
BVH (80°-90°)	5.6	0.1			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°	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6
2.5°	465.0	465.0	466.1	467.0	466.4	468.6	468.3	467.8	467.5	466.7	469.2
5°	471.3	471.3	472.2	473.0	471.6	474.4	473.3	472.7	472.4	471.3	473.5
7.5°	478.5	479.3	479.6	480.9	480.1	483.1	482.3	481.2	480.6	479.3	481.2
10°	486.4	486.9	487.2	489.7	490.0	493.5	492.7	491.3	490.2	488.9	491.6
12.5°	497.1	497.3	498.2	501.2	502.0	504.7	504.5	502.5	501.2	499.3	502.3
15°	510.8	511.0	512.4	515.4	516.8	520.1	519.0	516.0	514.0	511.9	514.3
17.5°	525.0	526.1	527.5	530.5	532.4	536.2	534.8	531.6	529.9	527.7	529.4
20°	543.3	543.6	544.4	547.7	549.1	553.5	553.7	550.4	549.6	547.4	549.9
22.5°	563.6	563.9	564.7	568.2	570.7	573.4	575.1	573.2	571.8	569.1	572.1
25°	586.0	588.8	589.6	594.0	596.7	598.3	600.3	599.4	597.5	594.2	595.6
27.5°	617.5	618.1	619.4	624.3	626.0	627.6	629.5	629.8	627.1	623.3	625.2
30°	653.4	653.1	656.1	659.9	661.3	662.7	665.4	667.0	663.5	659.4	661.3
32.5°	690.0	693.3	697.2	700.7	699.9	700.4	704.8	707.8	702.9	695.5	697.2
35°	731.4	733.6	738.5	743.7	742.6	741.8	744.5	747.5	740.7	731.1	733.6
37.5°	773.8	777.1	784.5	790.8	789.1	785.3	788.3	791.6	785.0	774.1	773.0
40°	821.2	826.4	837.0	842.2	837.8	830.5	835.7	843.6	837.0	824.4	821.4
42.5°	876.7	883.0	893.7	901.6	892.0	880.0	888.8	900.3	898.6	881.9	876.7
45°	945.4	949.5	962.7	966.5	952.3	935.6	951.4	969.0	964.9	946.8	939.9
47.5°	1020.1	1026.4	1037.9	1045.1	1022.1	1001.3	1023.4	1047.0	1042.6	1025.6	1017.7
50°	1115.4	1123.6	1138.7	1144.7	1112.9	1089.1	1117.6	1147.4	1138.9	1116.2	1105.8
52.5°	1219.1	1225.7	1251.4	1263.5	1233.6	1207.9	1232.8	1262.1	1244.0	1213.9	1200.0
55°	1310.6	1317.1	1354.9	1394.9	1393.5	1375.7	1388.3	1388.8	1339.8	1290.0	1275.2
57.5°	1330.3	1336.8	1408.8	1513.4	1587.3	1607.8	1570.9	1493.1	1369.7	1282.4	1265.7
60°	1225.2	1232.5	1347.0	1538.0	1781.1	1918.2	1748.0	1490.9	1277.4	1159.2	1143.3
62.5°	949.2	957.2	1111.0	1397.9	1859.4	2228.9	1799.4	1334.1	1050.8	901.1	887.1
65°	453.3	453.3	648.7	1002.6	1703.3	2221.5	1650.5	987.0	632.6	485.8	473.8
67.5°	112.2	112.8	167.0	390.3	1158.6	1772.9	1177.5	473.8	222.8	157.7	153.6
70°	70.1	69.8	77.5	105.7	405.4	1076.0	481.5	142.9	90.6	79.9	79.4
72.5°	54.5	54.5	58.3	67.6	106.2	366.5	140.4	79.4	65.7	59.1	59.1
75°	43.0	43.0	45.7	50.6	62.7	94.4	74.7	58.8	50.9	46.5	46.0
77.5°	32.0	32.6	34.8	38.0	42.7	53.1	47.4	44.3	39.7	36.4	35.3
80°	20.8	21.6	24.4	26.3	27.9	35.0	30.9	32.3	30.1	26.3	25.7
82.5°	11.2	11.5	14.8	15.3	15.9	19.2	19.7	20.5	21.3	16.7	15.6
85°	4.1	4.1	4.9	5.7	6.3	6.8	9.3	11.5	12.0	9.6	9.3
87.5°	0.8	0.8	0.8	0.5	0.5	0.5	1.6	3.0	4.9	3.8	3.8
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)