

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: P630046

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3871 lumens
Efficiency: N/A
Efficacy: 113.5 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

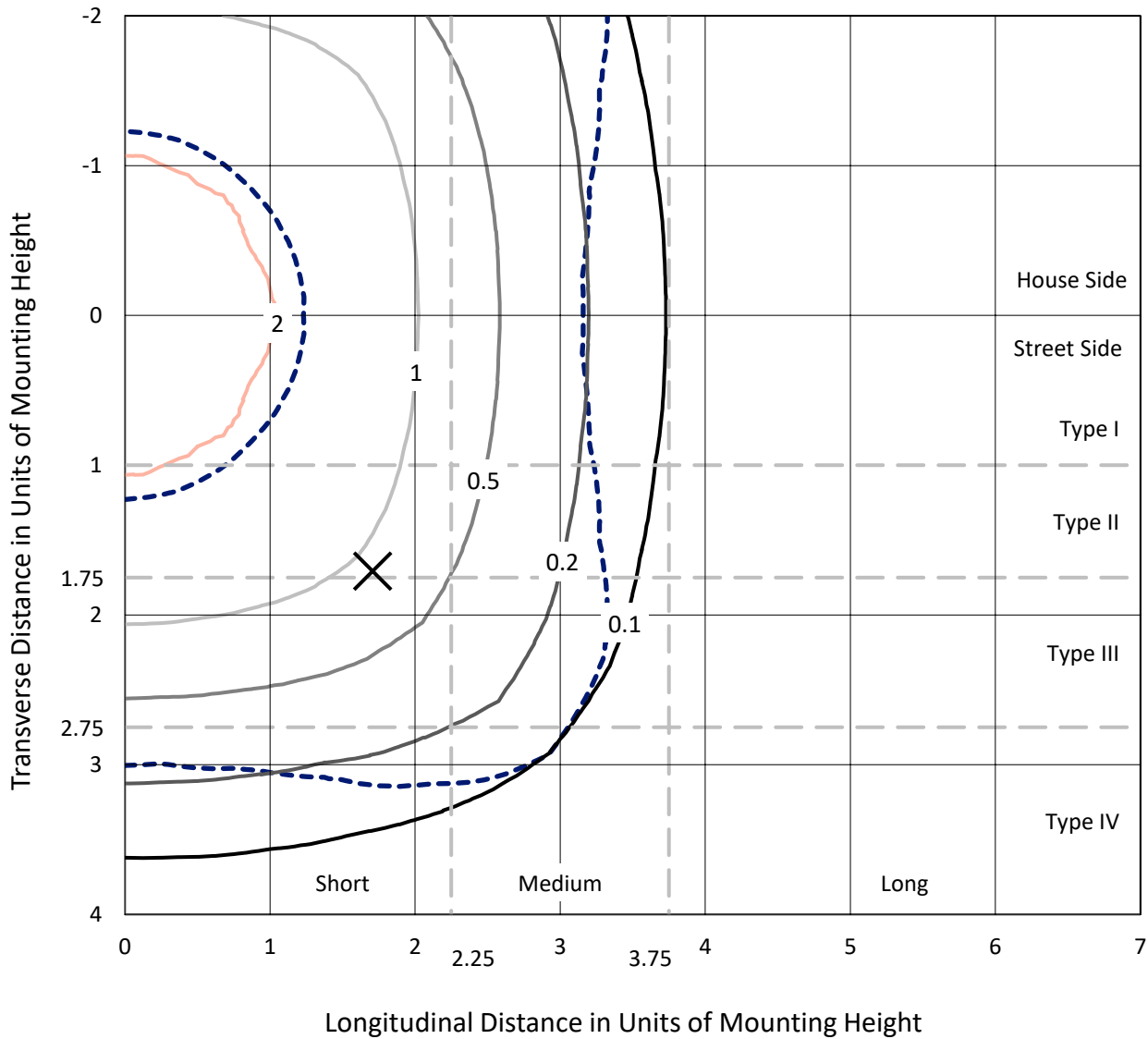
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

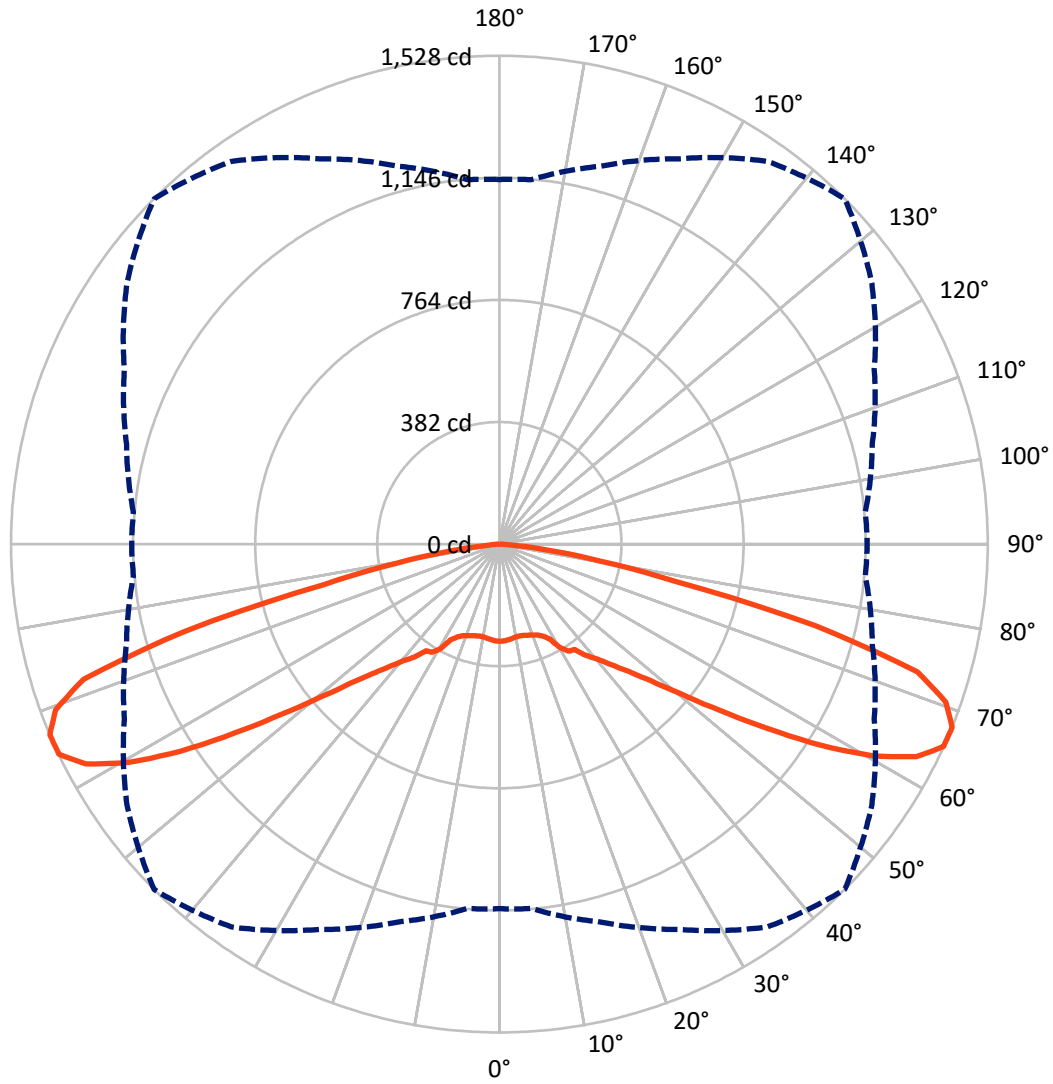
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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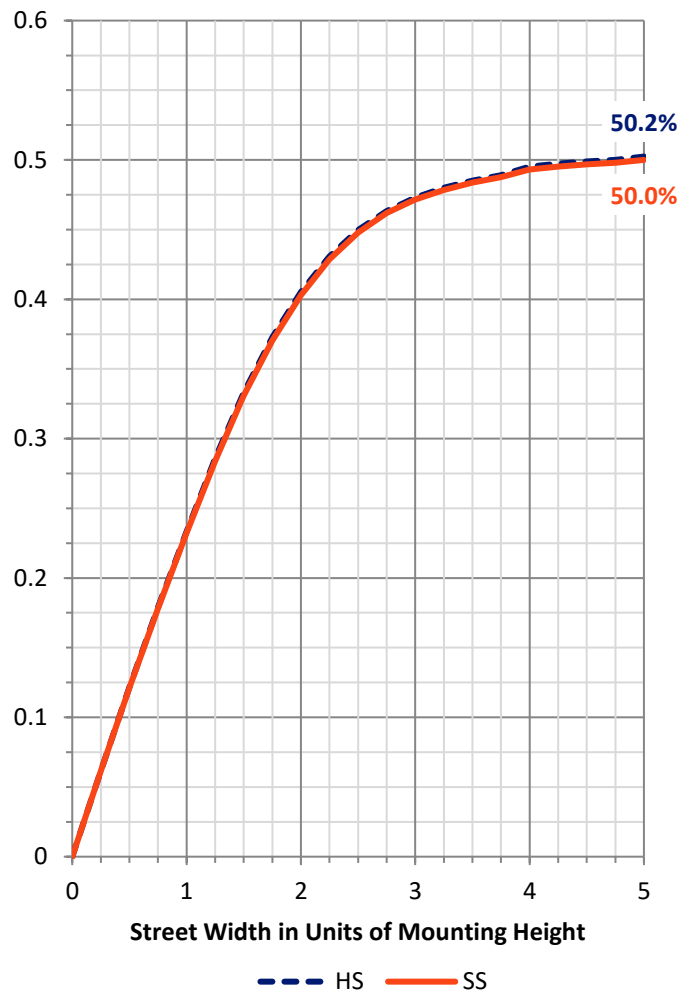
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1935.5	0.0	1935.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1935.5	0.0	1935.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3871.0	0.0	3871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.7
10°-20°	84.6	2.2
20°-30°	151.7	3.9
30°-40°	256.3	6.6
40°-50°	450.3	11.6
50°-60°	868.7	22.4
60°-70°	1260.4	32.6
70°-80°	721.2	18.6
80°-90°	49.2	1.3
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°	3871.0	100.0
0°-180°	3871.0	100.0

Coefficient of Utilization



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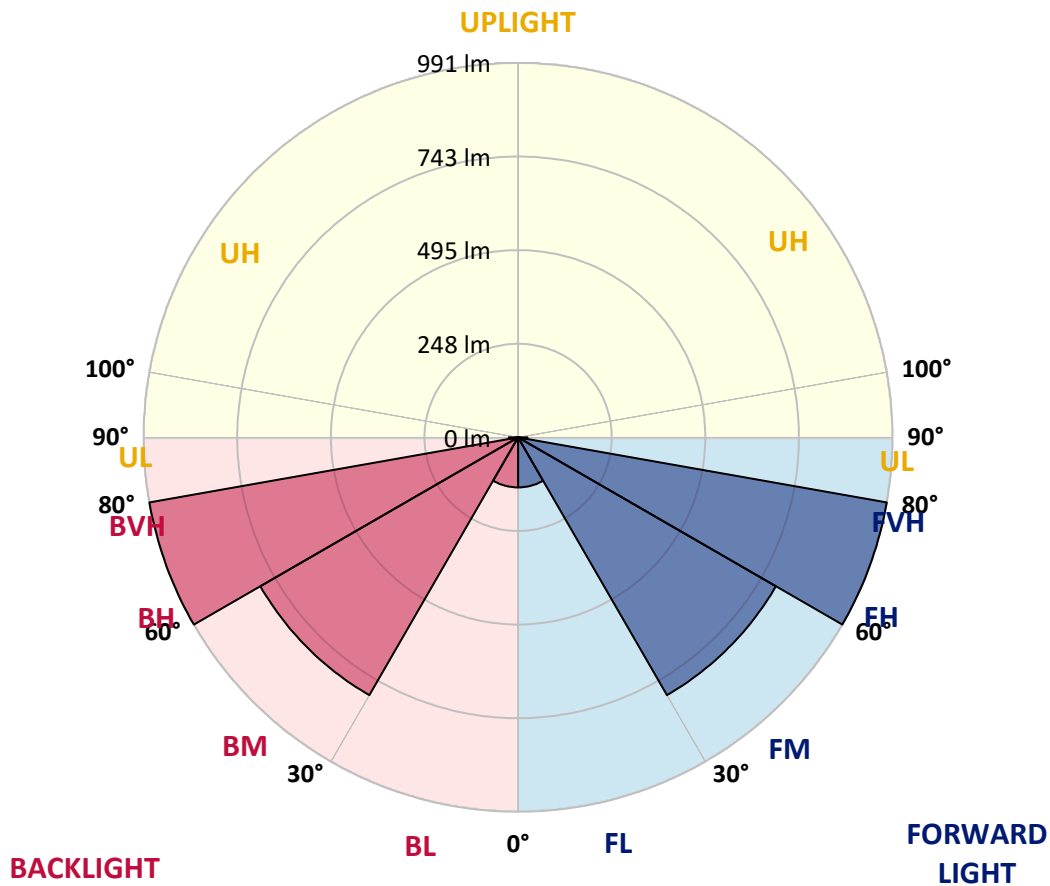
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.4	3.4			
FM (30°-60°)	787.7	20.3			
FH (60°-80°)	990.8	25.6			G1/1800
FVH (80°-90°)	24.6	0.6			G1/100
BL (0°-30°)	132.4	3.4	B1/500		
BM (30°-60°)	787.7	20.3	B1/1000		
BH (60°-80°)	990.8	25.6	B2/1000		G1/1800
BVH (80°-90°)	24.6	0.6			G1/100
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°	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6	303.6
2.5°	301.1	301.4	301.9	301.9	302.5	303.3	303.6	303.0	303.3	301.9	303.3
5°	300.3	300.6	300.8	300.3	300.3	300.6	300.6	300.0	300.3	298.9	300.3
7.5°	298.4	298.6	298.6	297.8	297.0	297.5	297.5	297.0	297.3	295.9	297.5
10°	296.7	296.7	296.4	294.8	294.0	294.8	295.1	295.4	296.4	295.4	297.3
12.5°	297.8	297.8	297.0	294.8	293.4	294.0	294.5	295.1	297.0	296.7	298.9
15°	300.8	301.1	298.9	296.4	295.6	296.4	295.9	295.6	298.1	298.9	301.4
17.5°	303.3	303.3	300.6	298.1	298.4	299.7	298.6	297.3	299.7	301.4	304.1
20°	305.5	305.2	302.2	300.6	301.6	303.6	302.7	300.8	302.5	304.4	306.9
22.5°	311.0	310.7	307.4	306.6	307.7	309.6	308.8	307.1	309.0	311.8	314.8
25°	326.6	326.0	321.1	318.3	317.8	319.2	318.9	318.3	321.4	324.6	328.2
27.5°	347.4	347.1	343.5	340.8	337.2	336.1	337.0	339.4	343.8	346.3	349.3
30°	357.8	357.8	357.2	361.6	369.3	376.7	370.9	361.6	357.8	356.7	359.7
32.5°	371.5	372.8	370.9	375.8	388.7	399.6	388.7	373.6	370.9	370.9	374.2
35°	402.9	403.5	400.5	399.6	403.8	405.1	399.9	394.4	397.5	398.0	402.1
37.5°	428.1	428.1	426.7	428.9	437.4	442.6	434.1	424.3	425.1	425.6	430.8
40°	467.0	468.1	464.8	464.5	467.8	472.5	463.4	457.1	461.5	462.9	470.8
42.5°	515.4	515.4	510.5	509.1	511.3	516.3	507.8	503.7	509.4	510.5	515.2
45°	573.2	574.6	568.0	565.5	566.6	568.3	562.2	560.3	565.8	568.3	576.5
47.5°	643.5	644.9	639.2	638.9	637.8	638.9	633.1	632.0	636.4	634.5	643.3
50°	730.3	732.8	727.8	734.7	733.9	737.2	729.2	723.5	723.5	718.3	723.2
52.5°	827.5	832.4	834.9	846.4	855.1	863.3	850.2	841.2	828.0	817.4	830.8
55°	933.4	932.0	947.6	972.8	998.6	1018.0	992.3	963.8	942.4	920.3	925.5
57.5°	1026.2	1030.9	1051.4	1097.4	1148.3	1189.4	1143.1	1088.3	1039.9	1008.1	1012.5
60°	1103.4	1107.2	1134.6	1200.8	1289.8	1346.5	1273.1	1182.8	1112.4	1068.6	1073.3
62.5°	1174.6	1178.1	1205.8	1278.9	1391.1	1465.0	1370.3	1246.8	1168.5	1124.5	1127.2
65°	1215.6	1217.8	1255.6	1332.5	1450.8	1527.1	1420.4	1293.1	1216.2	1171.3	1172.9
67.5°	1140.9	1144.5	1224.1	1330.3	1462.3	1528.2	1422.6	1294.5	1208.0	1149.4	1150.8
70°	900.0	897.0	992.0	1174.6	1396.3	1482.2	1359.3	1197.3	1063.7	981.9	980.5
72.5°	686.2	687.1	739.9	865.0	1138.4	1367.8	1199.5	964.1	820.1	758.0	755.5
75°	497.6	505.3	548.3	640.0	796.3	1022.4	903.0	714.4	618.1	580.9	575.4
77.5°	224.2	234.0	294.0	401.8	532.4	565.0	567.2	485.0	366.0	304.1	294.5
80°	65.4	70.1	90.1	154.1	248.0	320.5	254.6	214.1	133.3	104.6	99.6
82.5°	27.6	31.5	38.6	42.7	72.0	148.6	92.5	58.9	54.7	44.3	40.5
85°	11.8	12.6	16.2	17.2	23.3	31.8	29.3	26.6	25.5	19.7	18.1
87.5°	4.9	4.9	4.9	4.4	4.1	4.4	6.0	7.7	10.1	7.9	7.4
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)