

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: P632020

Luminaire Tested: GWS-SA2B-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632020
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-SA2B-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5677.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

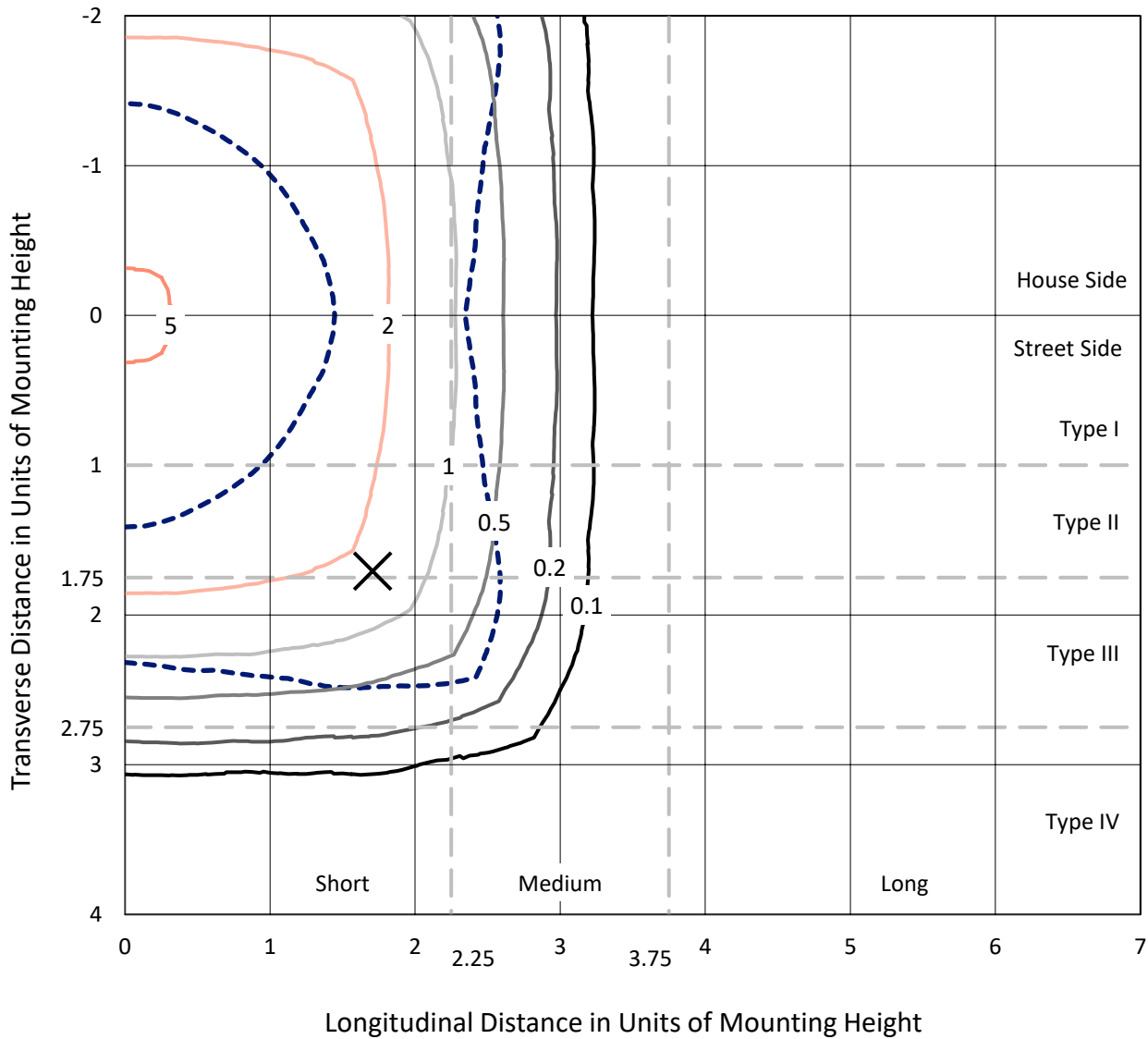
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

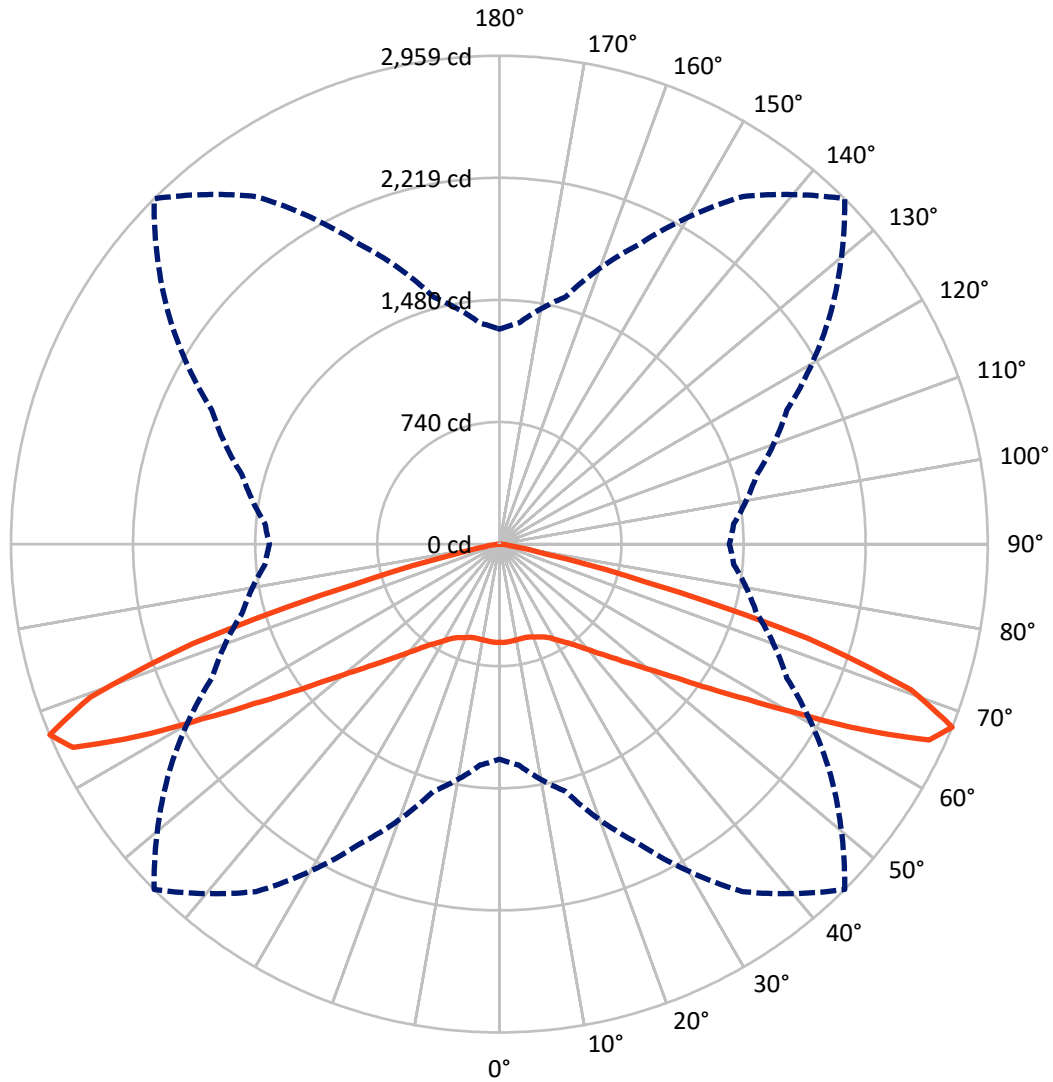
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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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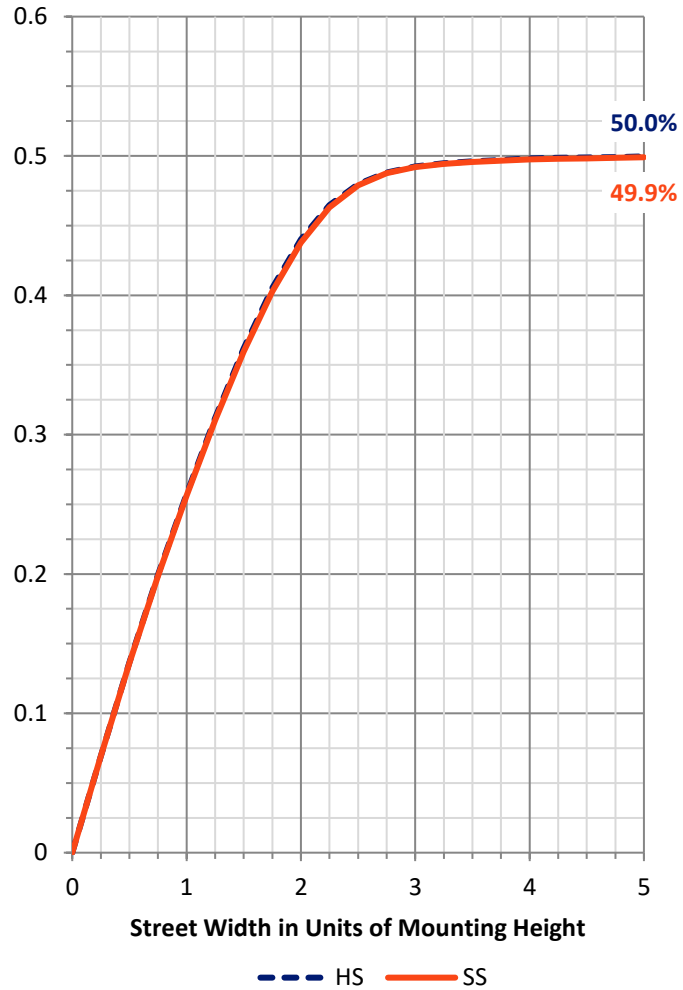
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2838.7	0.0	2838.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2838.7	0.0	2838.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5677.4	0.0	5677.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.0
10°-20°	165.3	2.9
20°-30°	285.1	5.0
30°-40°	463.6	8.2
40°-50°	780.5	13.7
50°-60°	1383.0	24.4
60°-70°	1976.8	34.8
70°-80°	542.6	9.6
80°-90°	24.3	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°	5677.4	100.0
0°-180°	5677.4	100.0

Coefficient of Utilization



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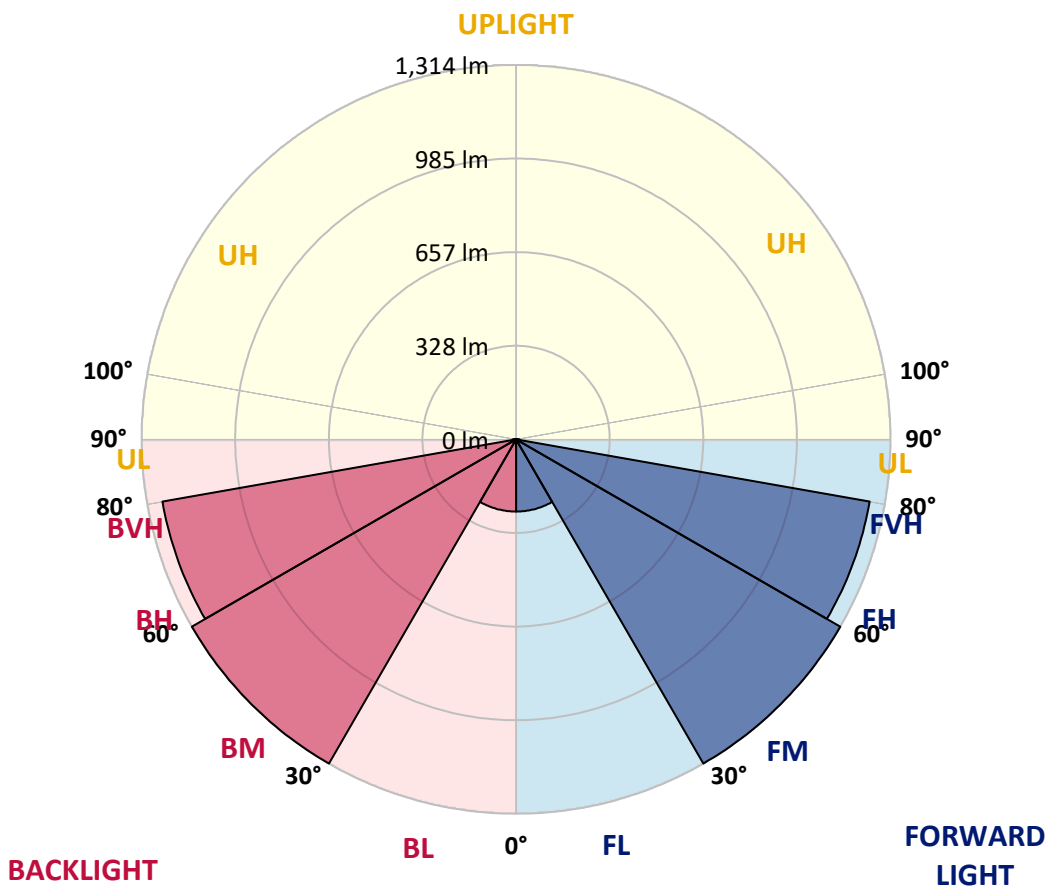
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.3	4.5			
FM (30°-60°)	1313.5	23.1			
FH (60°-80°)	1259.7	22.2			G1/1800
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	253.3	4.5	B1/500		
BM (30°-60°)	1313.5	23.1	B2/2500		
BH (60°-80°)	1259.7	22.2	B3/2500		G1/1800
BVH (80°-90°)	12.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	594.6	594.6	594.6	594.6	594.6	594.6	594.6	594.6	594.6	594.6	594.6
2.5°	590.7	590.3	592.2	593.4	593.0	595.8	595.4	594.6	594.6	593.4	596.6
5°	590.7	590.3	591.9	592.2	591.5	593.8	593.0	592.2	592.2	590.7	593.4
7.5°	587.5	587.9	589.1	589.9	589.1	591.1	589.9	588.3	587.9	586.4	589.1
10°	581.6	582.0	583.2	585.2	585.6	589.1	587.1	584.4	583.2	581.6	584.4
12.5°	578.1	578.5	579.7	582.0	582.8	587.5	585.6	581.2	579.3	577.7	580.5
15°	577.3	577.7	579.3	581.6	582.8	587.5	585.6	580.5	577.7	575.7	578.1
17.5°	577.3	578.1	580.5	584.0	586.4	591.1	588.7	582.8	578.9	575.4	577.7
20°	577.7	578.9	582.4	587.5	593.4	600.1	597.0	589.1	583.6	579.3	580.9
22.5°	581.2	583.2	587.5	594.2	602.9	610.7	608.0	597.4	589.5	583.6	585.2
25°	593.4	594.2	599.7	608.4	616.6	623.3	620.5	610.7	600.9	593.8	595.8
27.5°	615.0	617.0	621.7	630.8	637.8	641.4	641.0	634.3	624.5	618.2	619.8
30°	641.0	642.9	649.2	659.5	666.5	670.5	669.3	664.2	655.1	646.5	648.1
32.5°	671.2	672.0	679.5	690.9	698.4	704.3	700.3	694.8	683.4	673.2	674.0
35°	709.8	710.9	718.8	729.4	735.3	740.0	739.2	733.7	721.5	710.5	713.3
37.5°	758.1	758.9	766.0	779.3	784.0	787.6	788.4	785.6	773.0	758.9	761.6
40°	818.2	818.6	826.5	838.3	843.4	845.7	846.1	846.5	833.6	822.9	822.2
42.5°	888.2	890.1	901.1	912.5	914.9	913.7	917.7	921.6	909.0	894.5	895.6
45°	971.9	973.1	988.0	1000.6	996.3	992.3	999.8	1007.6	996.3	977.4	971.9
47.5°	1070.9	1073.3	1089.4	1102.0	1094.9	1087.8	1100.0	1108.3	1089.8	1069.7	1064.6
50°	1182.9	1184.5	1207.3	1223.0	1214.8	1201.8	1217.1	1225.8	1201.0	1176.2	1165.2
52.5°	1315.4	1312.2	1342.5	1370.0	1364.9	1348.0	1360.6	1362.1	1325.2	1290.2	1279.2
55°	1476.9	1473.7	1504.0	1534.3	1546.8	1542.5	1536.6	1527.2	1472.6	1435.2	1425.0
57.5°	1665.1	1655.3	1697.8	1738.6	1766.1	1774.0	1748.8	1726.8	1683.6	1637.6	1625.8
60°	1840.0	1839.6	1906.8	1977.6	2053.0	2084.5	2020.8	1961.1	1864.0	1780.3	1763.4
62.5°	1889.1	1897.4	2007.4	2182.7	2369.0	2480.2	2312.4	2114.7	1927.3	1801.1	1778.7
65°	1768.1	1788.5	1945.0	2221.6	2589.5	2861.4	2482.6	2118.3	1856.9	1699.7	1676.1
67.5°	1303.2	1344.1	1551.2	2004.7	2570.6	2959.3	2452.3	1922.2	1612.9	1425.8	1393.2
70°	642.9	681.9	846.1	1318.9	2115.1	2645.3	2121.8	1448.6	1089.4	909.4	879.5
72.5°	236.6	252.3	316.8	564.3	1167.2	1954.0	1451.0	809.2	527.8	420.1	400.1
75°	115.9	118.7	128.5	189.4	430.7	919.6	681.9	310.5	194.1	169.0	163.5
77.5°	73.9	75.1	79.8	90.4	138.3	289.6	206.7	122.6	95.1	91.2	91.2
80°	41.3	42.4	48.7	56.2	64.8	99.4	74.3	73.5	62.5	54.6	53.4
82.5°	19.6	21.6	31.0	30.7	34.2	49.9	43.6	39.7	40.1	30.3	28.7
85°	9.0	9.0	12.2	14.5	15.3	16.9	20.0	22.8	22.4	15.3	16.5
87.5°	4.3	4.3	4.3	3.9	3.5	3.1	4.3	7.1	10.2	7.1	6.7
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)