

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: P639446

Luminaire Tested: GWS-SA5B-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9925.4 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

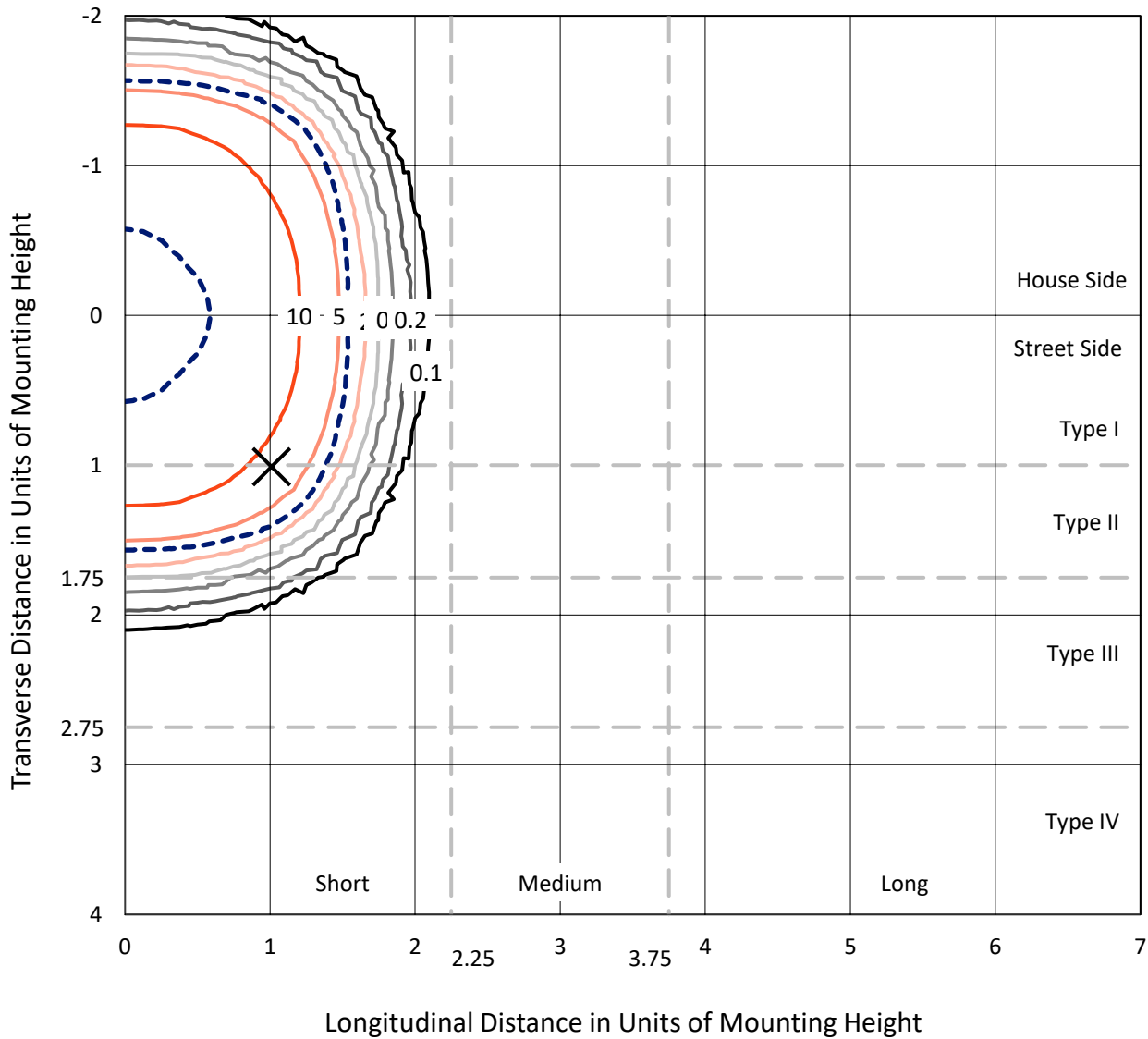
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

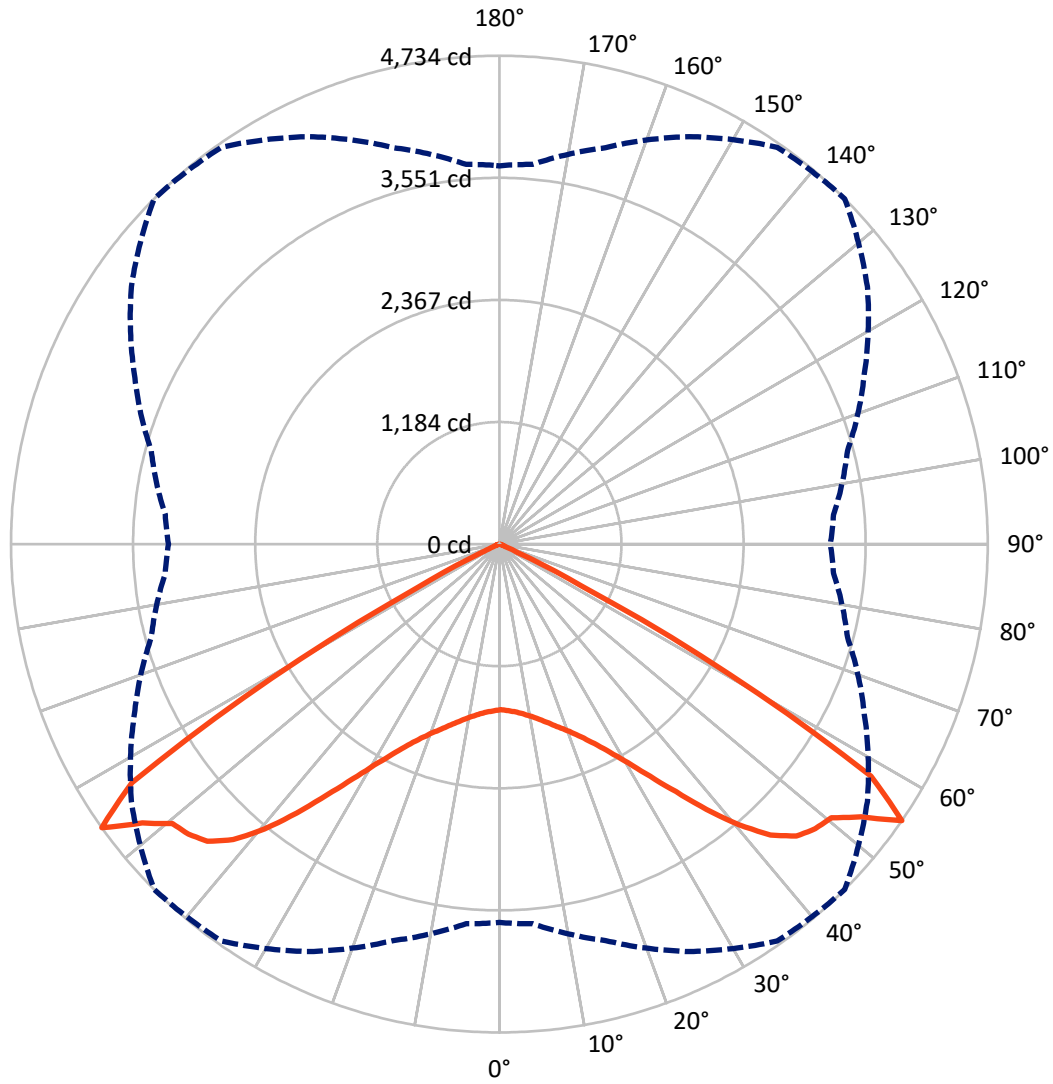
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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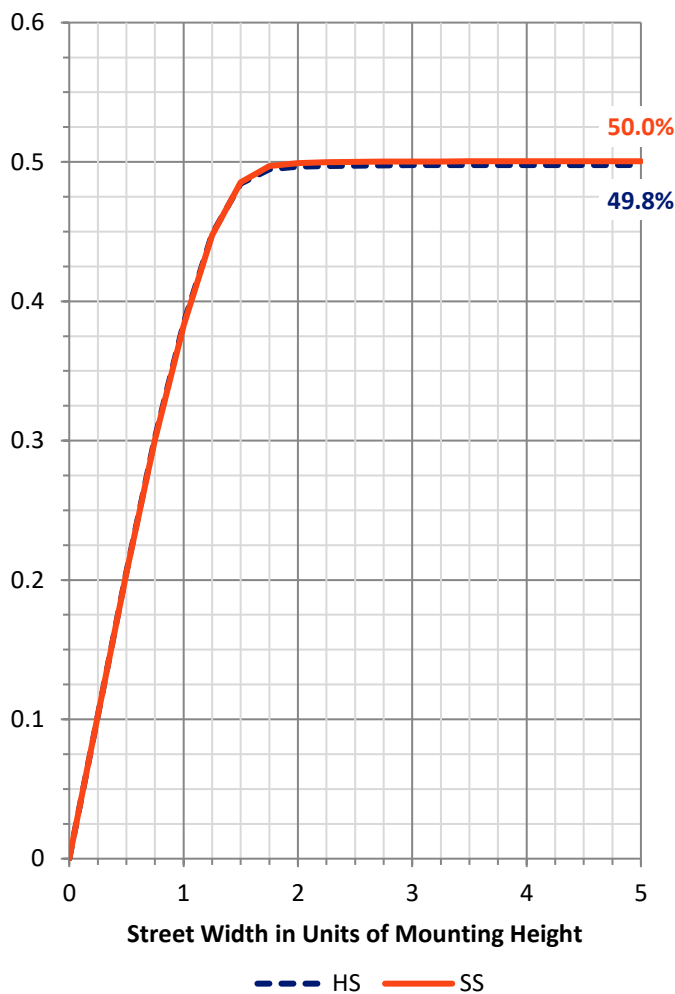
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4962.7	0.0	4962.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4962.7	0.0	4962.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9925.4	0.0	9925.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	1.6
10°-20°	509.7	5.1
20°-30°	987.0	9.9
30°-40°	1768.3	17.8
40°-50°	2964.7	29.9
50°-60°	3173.6	32.0
60°-70°	348.7	3.5
70°-80°	15.3	0.2
80°-90°	0.7	0.0
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°	9925.4	100.0
0°-180°	9925.4	100.0

Coefficient of Utilization



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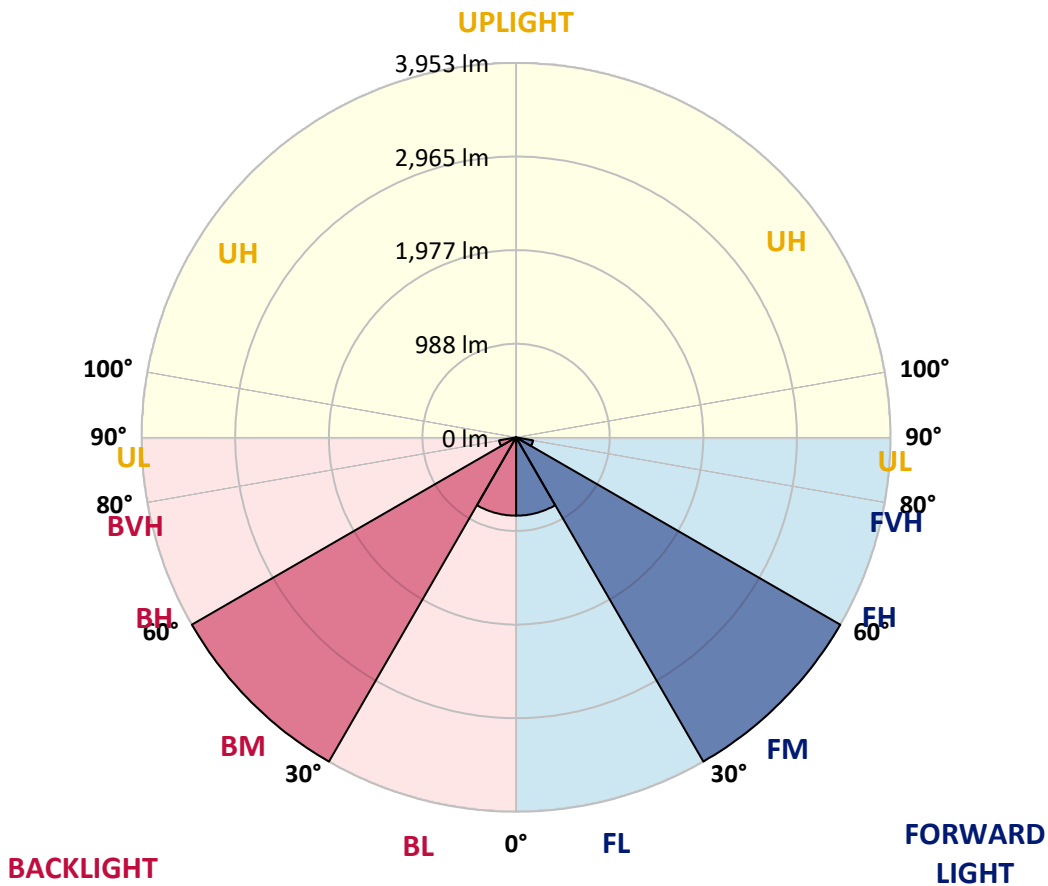
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.0	8.3			
FM (30°-60°)	3953.3	39.8			
FH (60°-80°)	182.0	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	827.0	8.3	B2/1000		
BM (30°-60°)	3953.3	39.8	B3/5000		
BH (60°-80°)	182.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7	1604.7
2.5°	1601.7	1601.7	1605.8	1608.8	1608.8	1616.9	1613.8	1610.8	1610.8	1606.8	1614.9
5°	1625.0	1624.0	1628.0	1630.0	1626.0	1634.1	1629.0	1626.0	1624.0	1619.9	1628.0
7.5°	1650.2	1651.3	1652.3	1656.3	1654.3	1662.4	1658.3	1652.3	1650.2	1644.2	1652.3
10°	1680.6	1680.6	1682.6	1687.7	1688.7	1698.8	1694.7	1687.7	1681.6	1675.5	1683.6
12.5°	1719.0	1720.0	1723.1	1730.1	1734.2	1745.3	1739.2	1725.1	1716.0	1708.9	1718.0
15°	1774.6	1773.6	1777.7	1787.8	1792.8	1800.9	1791.8	1772.6	1761.5	1753.4	1759.5
17.5°	1835.3	1835.3	1837.3	1847.4	1854.5	1866.6	1855.5	1832.3	1822.2	1811.0	1817.1
20°	1902.0	1905.1	1907.1	1914.2	1926.3	1938.4	1929.3	1906.1	1895.0	1880.8	1887.9
22.5°	1990.0	1987.0	1988.0	2000.1	2017.3	2029.4	2022.4	1995.1	1975.8	1964.7	1968.8
25°	2088.1	2087.1	2090.1	2108.3	2127.5	2140.7	2130.6	2095.2	2076.0	2056.7	2064.8
27.5°	2208.4	2209.4	2211.5	2233.7	2264.0	2283.2	2258.0	2222.6	2196.3	2171.0	2177.1
30°	2351.0	2349.0	2355.0	2385.4	2429.9	2460.2	2430.9	2381.3	2343.9	2319.7	2322.7
32.5°	2502.7	2504.7	2520.9	2569.4	2628.1	2681.7	2622.0	2556.3	2507.7	2462.2	2468.3
35°	2666.5	2671.5	2707.9	2779.7	2875.8	2947.6	2864.7	2756.5	2687.7	2629.1	2631.1
37.5°	2859.6	2871.8	2922.3	3029.5	3167.0	3263.1	3141.7	2998.2	2909.2	2836.4	2831.3
40°	3113.4	3127.6	3196.3	3323.8	3490.6	3578.6	3438.0	3290.4	3180.2	3101.3	3089.2
42.5°	3404.6	3422.9	3497.7	3628.1	3795.0	3854.6	3717.1	3592.7	3493.6	3400.6	3396.6
45°	3733.3	3743.4	3804.1	3904.2	4024.5	4038.7	3935.5	3866.8	3766.7	3679.7	3672.6
47.5°	4041.7	4051.8	4093.3	4144.8	4173.1	4122.6	4104.4	4074.1	3944.6	3837.4	3815.2
50°	4276.3	4284.4	4335.9	4356.2	4277.3	4170.1	4205.5	4140.8	4000.2	3879.9	3845.5
52.5°	4260.1	4280.3	4412.8	4528.1	4478.5	4391.6	4296.5	4157.0	3938.6	3773.7	3731.3
55°	3667.6	3694.9	3979.0	4358.2	4696.9	4734.4	4354.1	3904.2	3493.6	3252.0	3208.5
57.5°	2357.1	2364.1	2711.0	3242.9	4006.3	4247.0	3610.9	2943.6	2432.9	2167.0	2148.8
60°	866.6	852.4	1114.3	1555.2	2307.5	2562.3	2125.5	1488.5	1061.7	873.7	858.5
62.5°	208.3	210.3	260.9	391.3	724.0	895.9	707.8	395.4	251.8	211.3	209.3
65°	105.2	103.1	104.2	112.2	154.7	185.0	151.7	107.2	103.1	104.2	103.1
67.5°	67.7	66.7	68.8	69.8	68.8	64.7	63.7	65.7	65.7	66.7	64.7
70°	41.5	40.4	42.5	45.5	43.5	38.4	40.4	42.5	40.4	39.4	39.4
72.5°	22.2	22.2	24.3	26.3	24.3	22.2	22.2	23.3	22.2	22.2	22.2
75°	10.1	10.1	11.1	12.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
80°	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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)