

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: P641918

Luminaire Tested: GWS-SA6B-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10276.4 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 138.9
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

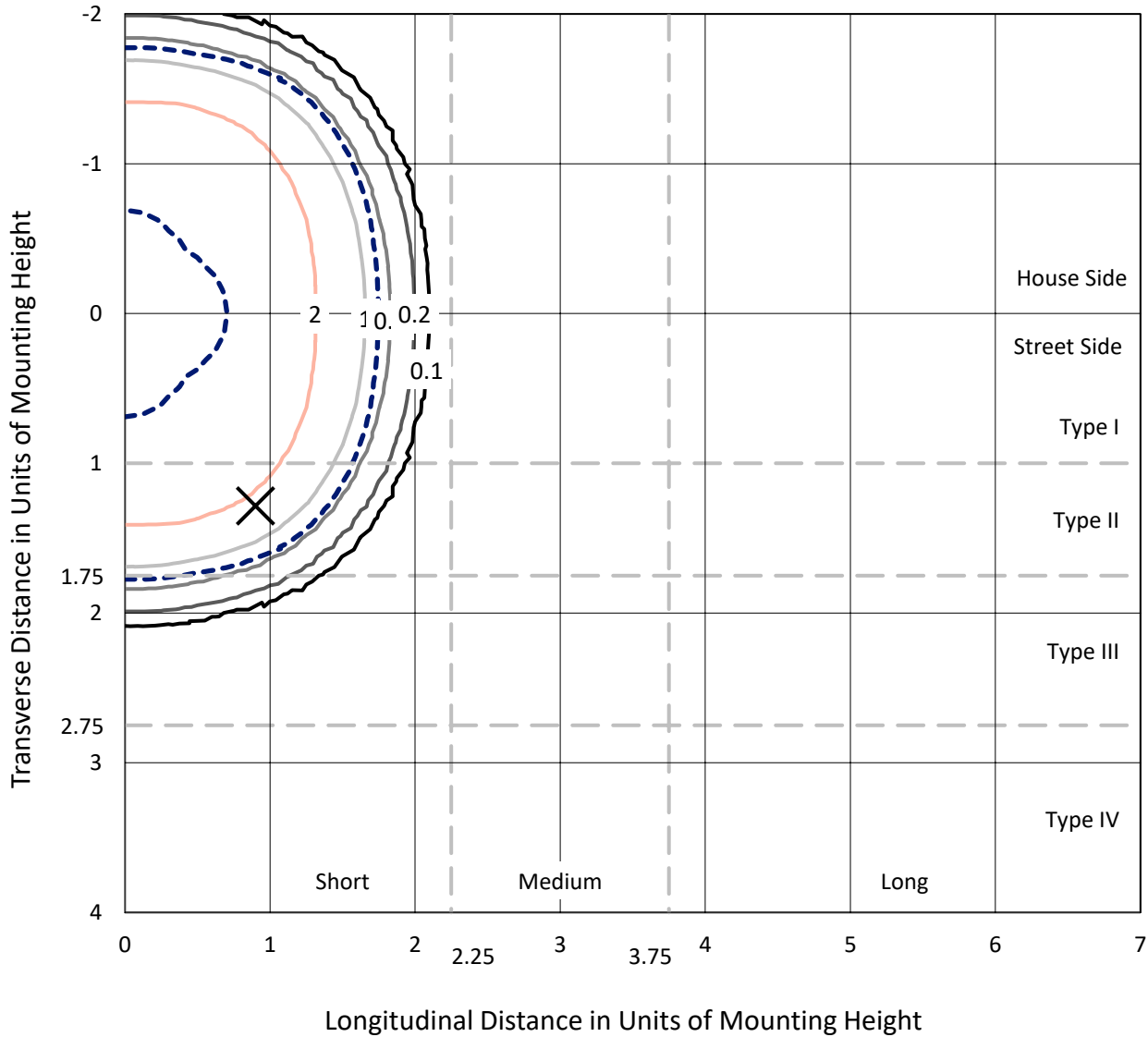


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Iso-Footcandle Lines of Horizontal Illumination

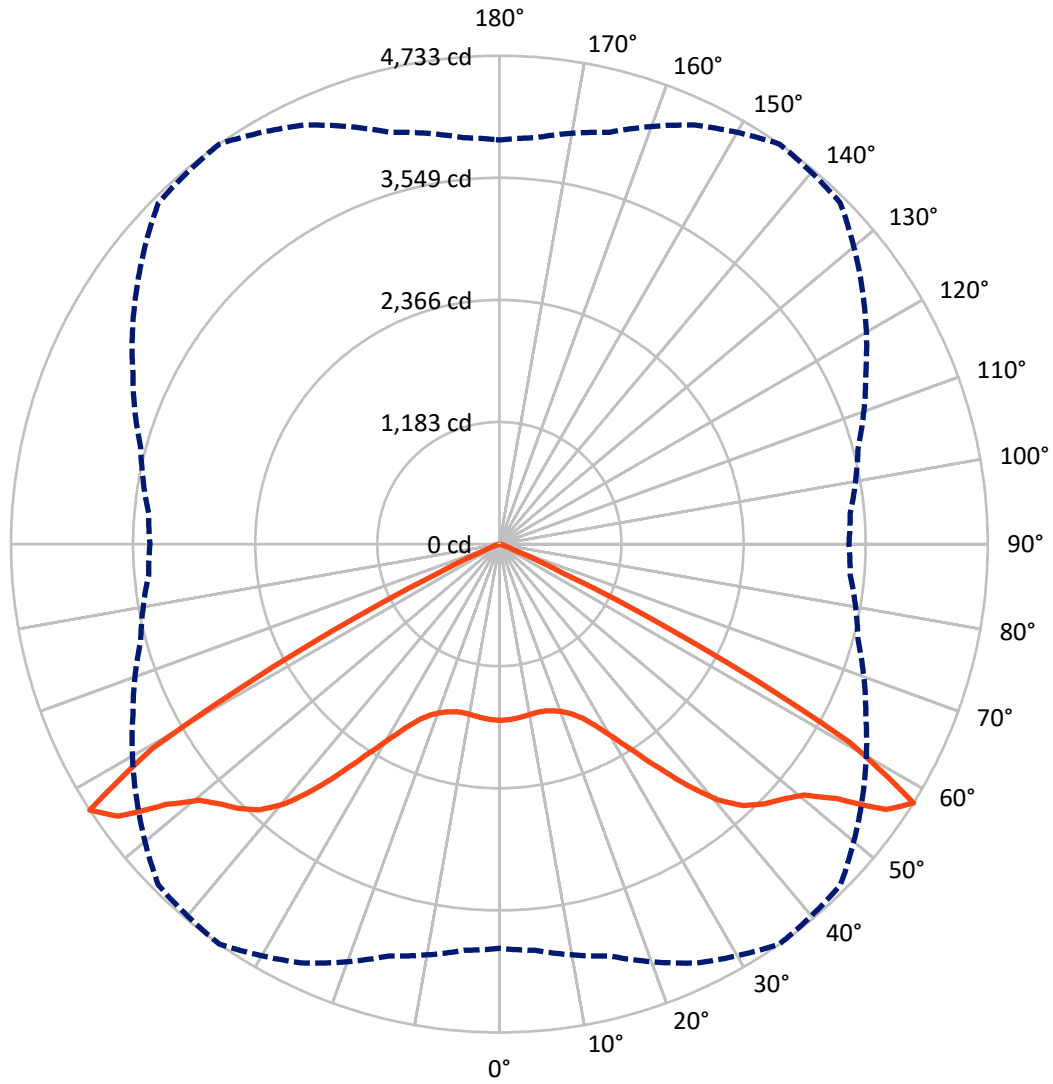
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5138.2	0.0	5138.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5138.2	0.0	5138.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10276.4	0.0	10276.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	1.6
10°-20°	473.5	4.6
20°-30°	855.9	8.3
30°-40°	1596.7	15.5
40°-50°	2678.6	26.1
50°-60°	3537.3	34.4
60°-70°	939.4	9.1
70°-80°	33.3	0.3
80°-90°	0.6	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°	10276.4	100.0
0°-180°	10276.4	100.0

Coefficient of Utilization



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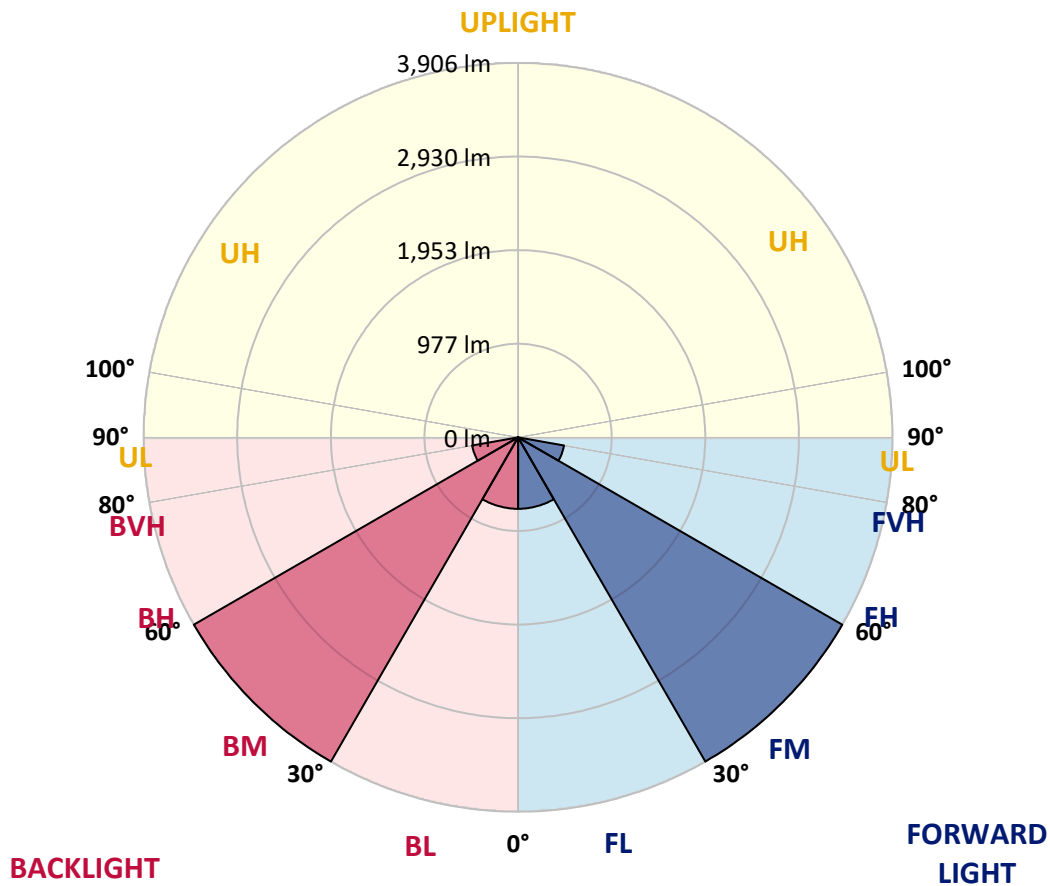
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.2	7.3			
FM (30°-60°)	3906.3	38.0			
FH (60°-80°)	486.4	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	745.2	7.3	B2/1000		
BM (30°-60°)	3906.3	38.0	B3/5000		
BH (60°-80°)	486.4	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5	1708.5
2.5°	1696.5	1695.3	1700.1	1703.7	1703.7	1712.2	1709.7	1707.3	1704.9	1701.3	1709.7
5°	1694.1	1692.9	1696.5	1698.9	1696.5	1703.7	1698.9	1694.1	1691.7	1686.8	1696.5
7.5°	1683.2	1684.4	1686.8	1689.3	1685.6	1691.7	1685.6	1678.4	1672.4	1667.5	1676.0
10°	1666.3	1667.5	1670.0	1674.8	1676.0	1684.4	1676.0	1662.7	1654.3	1647.1	1655.5
12.5°	1657.9	1659.1	1662.7	1668.8	1670.0	1680.8	1670.0	1650.7	1638.6	1630.2	1638.6
15°	1660.3	1662.7	1667.5	1674.8	1677.2	1688.0	1673.6	1648.3	1631.4	1620.5	1627.8
17.5°	1668.8	1671.2	1678.4	1690.5	1698.9	1709.7	1691.7	1659.1	1636.2	1620.5	1627.8
20°	1679.6	1683.2	1695.3	1714.6	1732.7	1752.0	1729.0	1684.4	1654.3	1635.0	1641.0
22.5°	1709.7	1713.4	1730.2	1755.6	1785.7	1809.8	1782.1	1725.4	1684.4	1659.1	1665.1
25°	1771.2	1774.9	1796.6	1829.1	1867.7	1899.1	1864.1	1792.9	1739.9	1711.0	1713.4
27.5°	1867.7	1871.3	1896.6	1942.5	1994.3	2038.9	1988.3	1905.1	1844.8	1811.0	1811.0
30°	1989.5	1994.3	2028.1	2089.6	2170.3	2229.4	2160.7	2059.4	1982.2	1936.4	1937.6
32.5°	2146.2	2141.4	2189.6	2274.0	2388.6	2467.0	2365.7	2242.7	2147.4	2083.5	2089.6
35°	2347.6	2346.4	2400.6	2515.2	2664.7	2758.7	2638.2	2479.0	2364.5	2299.4	2300.6
37.5°	2606.8	2605.6	2668.3	2792.5	2972.2	3050.5	2915.5	2753.9	2630.9	2568.2	2575.5
40°	2910.7	2903.4	2958.9	3078.3	3257.9	3308.6	3161.5	3031.2	2913.1	2873.3	2892.6
42.5°	3200.1	3184.4	3216.9	3325.5	3464.1	3471.3	3360.4	3271.2	3190.4	3159.1	3171.1
45°	3432.8	3420.7	3450.8	3513.5	3593.1	3557.0	3503.9	3476.2	3411.1	3377.3	3388.2
47.5°	3606.4	3606.4	3642.6	3681.1	3693.2	3626.9	3635.3	3635.3	3570.2	3517.2	3503.9
50°	3755.9	3766.8	3821.0	3860.8	3821.0	3736.6	3784.8	3775.2	3642.6	3536.5	3508.7
52.5°	3994.6	4005.5	4088.7	4142.9	4098.3	4015.1	4021.2	3900.6	3705.3	3579.9	3536.5
55°	4247.8	4274.4	4394.9	4539.6	4540.8	4455.2	4296.1	4082.7	3845.1	3708.9	3664.3
57.5°	3916.3	3952.4	4132.1	4480.6	4732.6	4673.5	4293.7	3918.7	3598.0	3412.3	3386.9
60°	2694.8	2757.5	2937.2	3413.5	3899.4	3922.3	3473.8	3053.0	2685.2	2456.1	2460.9
62.5°	1138.2	1202.1	1303.4	1695.3	2141.4	2169.1	1952.1	1650.7	1350.4	1185.2	1210.6
65°	267.7	285.8	315.9	469.0	680.0	711.4	655.9	511.2	377.4	319.5	325.6
67.5°	117.0	119.4	113.3	120.6	149.5	153.1	148.3	130.2	123.0	125.4	125.4
70°	82.0	83.2	78.4	74.8	71.1	66.3	68.7	76.0	82.0	86.8	85.6
72.5°	50.6	51.8	53.1	53.1	49.4	44.6	47.0	51.8	53.1	54.3	53.1
75°	25.3	26.5	28.9	30.1	28.9	27.7	27.7	28.9	28.9	27.7	27.7
77.5°	4.8	6.0	8.4	9.6	9.6	9.6	9.6	9.6	10.9	9.6	9.6
80°	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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)