

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: P642419

Luminaire Tested: GWS-SA6C-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 11870.4 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 189.2
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

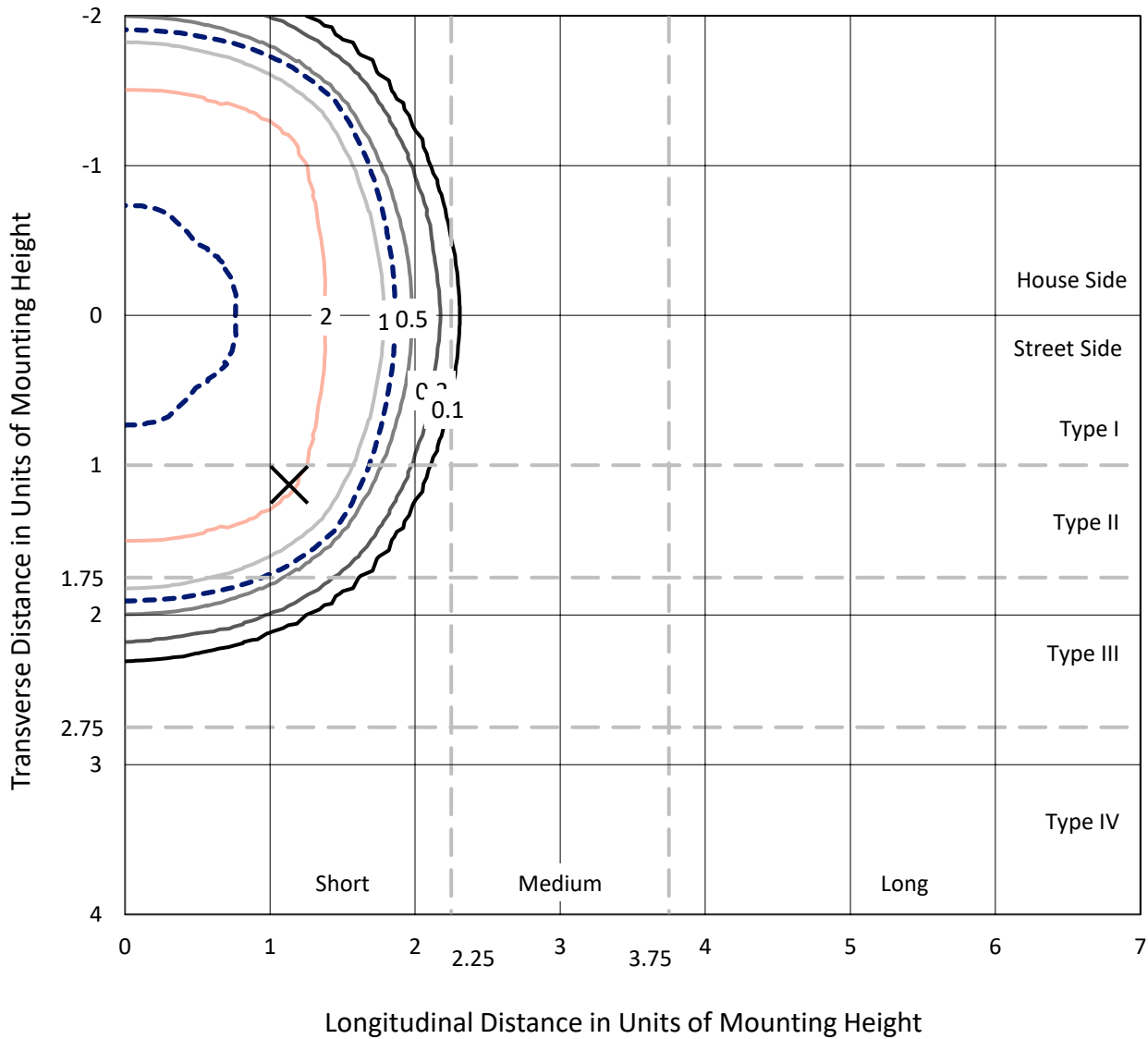


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Iso-Footcandle Lines of Horizontal Illumination

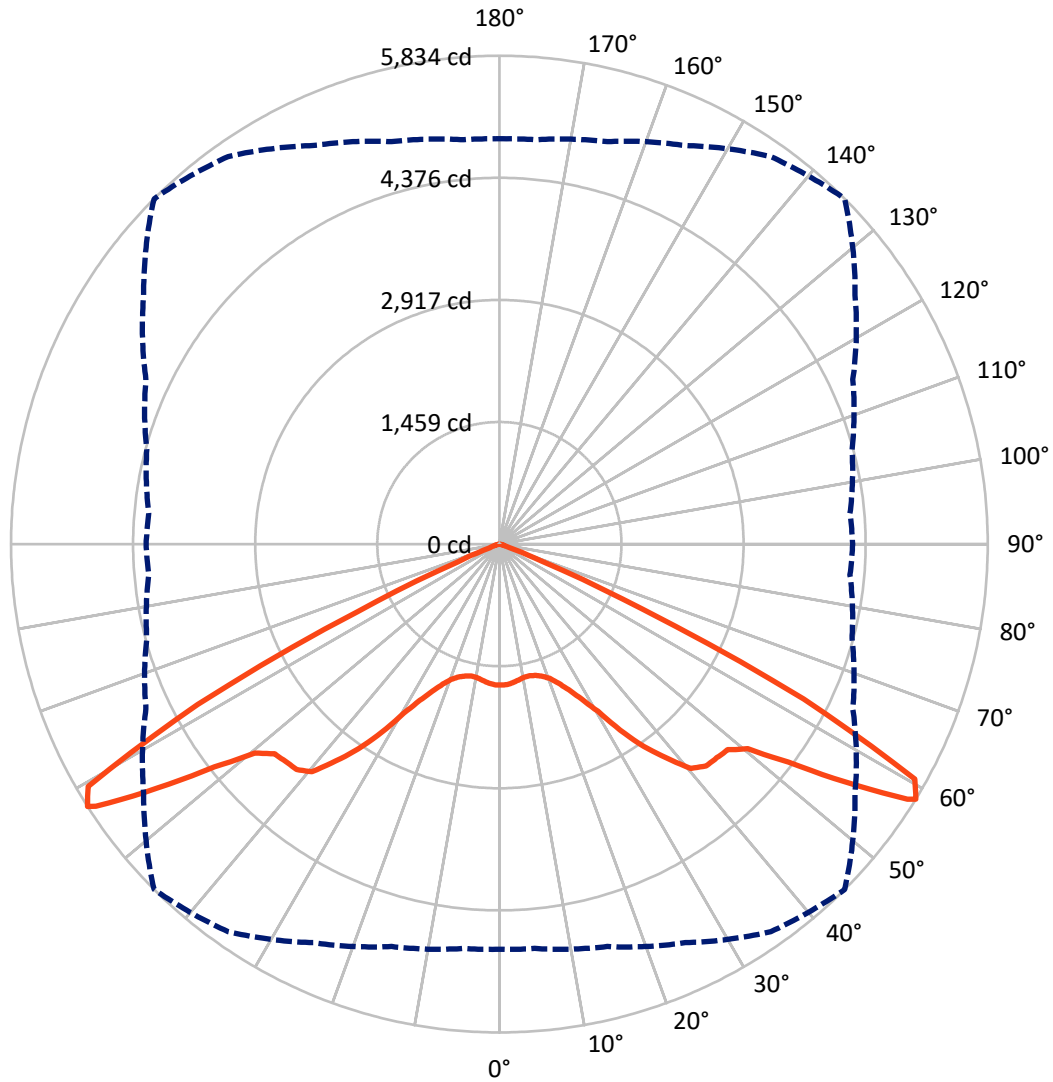
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5935.2	0.0	5935.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5935.2	0.0	5935.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11870.4	0.0	11870.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	1.3
10°-20°	464.7	3.9
20°-30°	878.9	7.4
30°-40°	1733.5	14.6
40°-50°	2743.2	23.1
50°-60°	4032.3	34.0
60°-70°	1799.9	15.2
70°-80°	60.3	0.5
80°-90°	0.5	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°	11870.4	100.0
0°-180°	11870.4	100.0

Coefficient of Utilization



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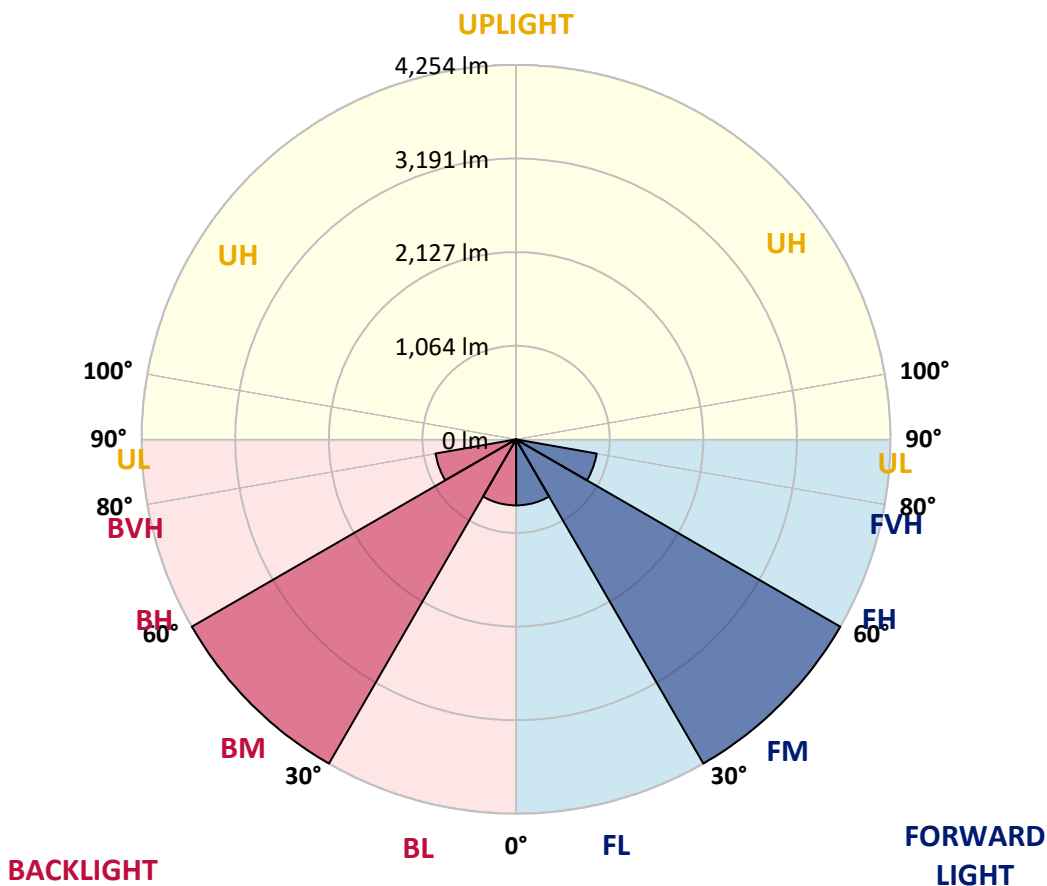
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.4	6.3			
FM (30°-60°)	4254.5	35.8			
FH (60°-80°)	930.1	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	750.4	6.3	B2/1000		
BM (30°-60°)	4254.5	35.8	B3/5000		
BH (60°-80°)	930.1	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4	1683.4
2.5°	1667.2	1670.4	1673.7	1675.3	1676.9	1681.8	1683.4	1678.5	1678.5	1668.8	1680.1
5°	1659.1	1662.4	1665.6	1664.0	1664.0	1664.0	1662.4	1655.9	1654.3	1644.6	1655.9
7.5°	1644.6	1647.8	1647.8	1643.0	1639.7	1639.7	1638.1	1630.0	1628.4	1618.7	1630.0
10°	1633.3	1634.9	1633.3	1623.5	1617.1	1617.1	1615.5	1612.2	1613.8	1607.4	1617.1
12.5°	1639.7	1641.3	1634.9	1621.9	1613.8	1612.2	1607.4	1602.5	1607.4	1605.8	1615.5
15°	1660.7	1662.4	1651.0	1634.9	1628.4	1628.4	1615.5	1602.5	1609.0	1610.6	1621.9
17.5°	1686.6	1686.6	1672.1	1657.5	1659.1	1659.1	1638.1	1615.5	1617.1	1623.5	1634.9
20°	1717.3	1717.3	1702.8	1699.6	1710.9	1712.5	1686.6	1651.0	1643.0	1647.8	1660.7
22.5°	1772.3	1772.3	1761.0	1769.1	1795.0	1803.0	1764.2	1714.1	1694.7	1697.9	1710.9
25°	1858.0	1858.0	1854.8	1874.2	1911.4	1929.2	1877.4	1811.1	1778.8	1773.9	1788.5
27.5°	2001.9	2003.6	1998.7	2027.8	2074.7	2095.7	2024.6	1937.3	1898.5	1890.4	1904.9
30°	2187.9	2187.9	2189.5	2230.0	2291.4	2318.9	2225.1	2123.2	2077.9	2052.1	2071.5
32.5°	2394.9	2398.1	2414.3	2482.2	2590.6	2647.2	2509.7	2367.4	2294.6	2267.1	2288.2
35°	2736.1	2705.4	2686.0	2736.1	2893.0	2967.3	2791.1	2624.5	2569.5	2566.3	2619.7
37.5°	3074.1	3056.3	3015.9	3067.6	3208.3	3242.2	3048.2	2909.1	2870.3	2891.3	2944.7
40°	3342.5	3310.2	3256.8	3305.3	3489.7	3523.6	3284.3	3146.8	3132.3	3179.2	3251.9
42.5°	3554.3	3509.1	3437.9	3449.2	3598.0	3622.3	3410.4	3306.9	3316.6	3374.8	3457.3
45°	3649.8	3614.2	3551.1	3546.3	3640.0	3641.7	3475.1	3421.7	3447.6	3492.9	3557.6
47.5°	3690.2	3674.0	3638.4	3630.3	3683.7	3670.8	3567.3	3544.6	3568.9	3581.8	3619.0
50°	3790.4	3790.4	3795.3	3801.8	3856.7	3843.8	3771.0	3745.2	3714.4	3669.2	3680.5
52.5°	4071.8	4083.1	4130.0	4181.8	4282.0	4324.1	4206.0	4055.6	3908.5	3809.8	3809.8
55°	4579.6	4590.9	4645.9	4733.2	4917.5	5017.8	4742.9	4411.4	4209.3	4075.0	4092.8
57.5°	4859.3	4872.3	4985.5	5221.6	5578.9	5748.7	5158.5	4666.9	4383.9	4230.3	4243.2
58°	4841.5	4849.6	4977.4	5253.9	5651.7	5834.4	5187.6	4658.8	4361.3	4204.4	4220.6
60°	4301.4	4290.1	4493.9	4888.4	5449.6	5701.8	4898.1	4252.9	3906.9	3746.8	3754.9
62.5°	2812.1	2818.6	2994.8	3407.2	3843.8	4081.5	3421.7	2941.5	2663.3	2566.3	2542.1
65°	1174.0	1153.0	1261.3	1490.9	1752.9	1885.5	1620.3	1371.3	1199.9	1135.2	1153.0
67.5°	302.4	294.3	300.8	376.8	460.9	545.0	457.6	349.3	304.0	307.2	307.2
70°	171.4	161.7	131.0	121.3	118.0	118.0	118.0	118.0	135.8	160.1	164.9
72.5°	129.4	121.3	95.4	82.5	72.8	67.9	71.2	82.5	98.6	119.7	122.9
75°	64.7	64.7	58.2	55.0	48.5	45.3	46.9	51.7	59.8	67.9	66.3
77.5°	12.9	14.6	16.2	19.4	16.2	16.2	16.2	19.4	19.4	21.0	19.4
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)