

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: P635978

Luminaire Tested: GWS-SA3E-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635978
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-SA3E-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10673.9 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 159.2
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

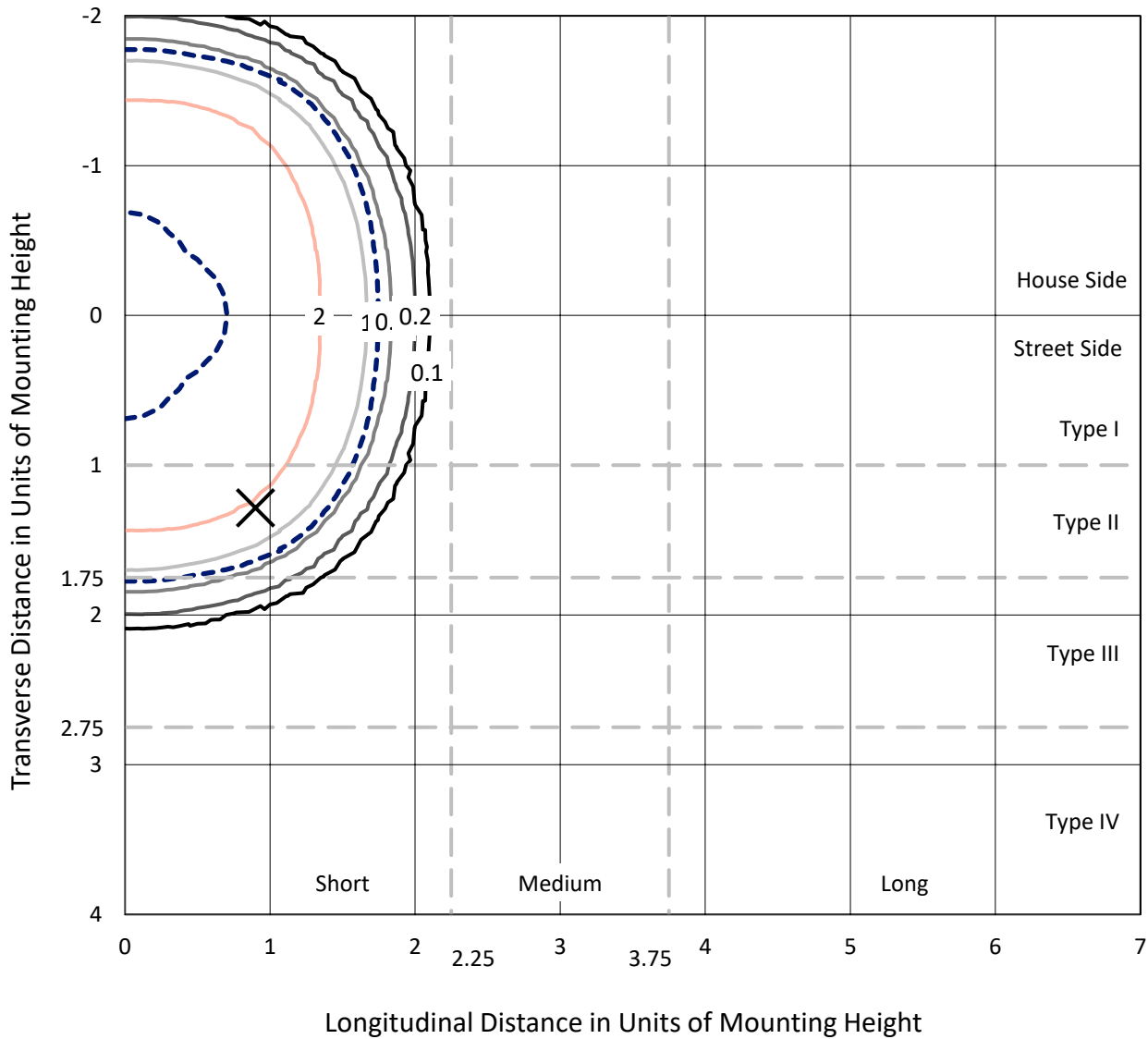


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Iso-Footcandle Lines of Horizontal Illumination

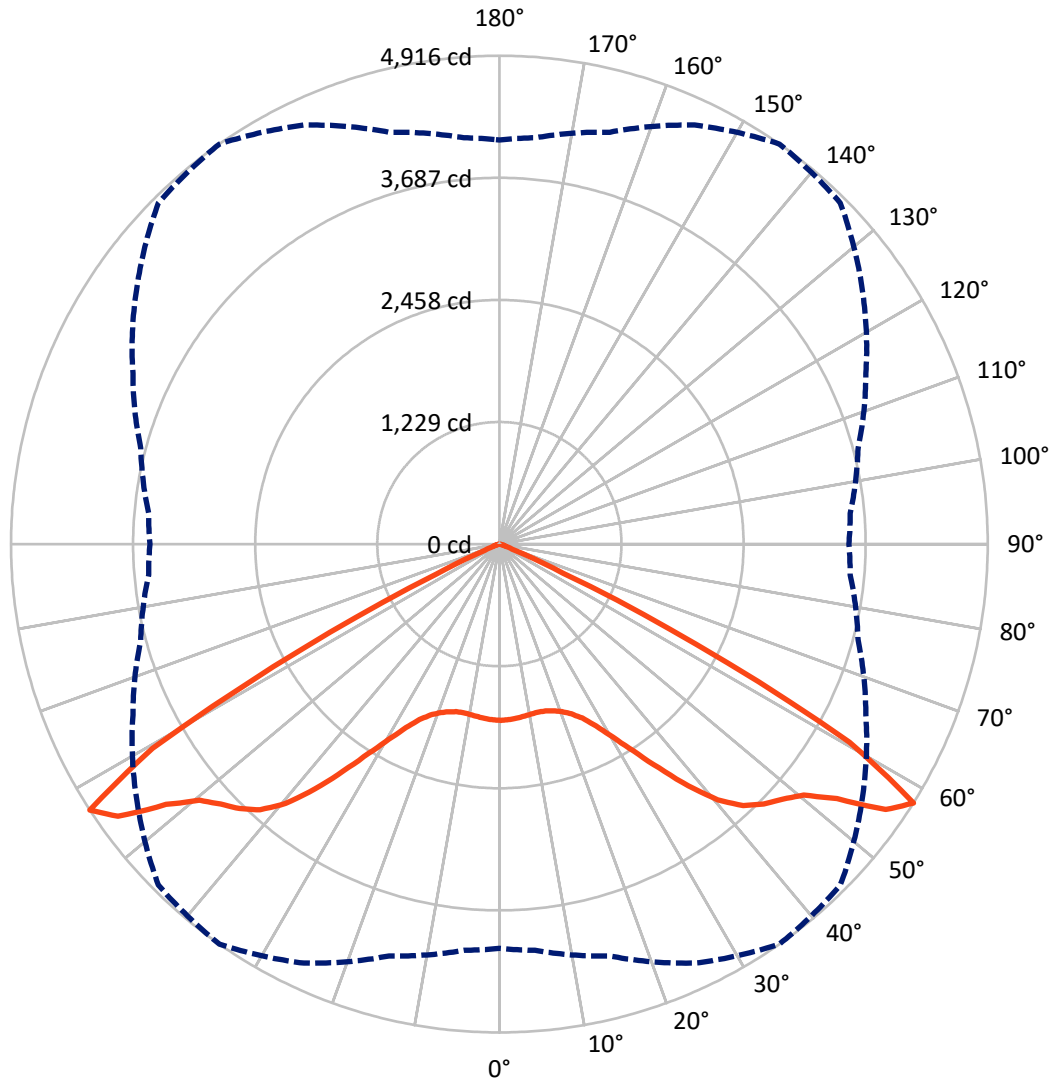
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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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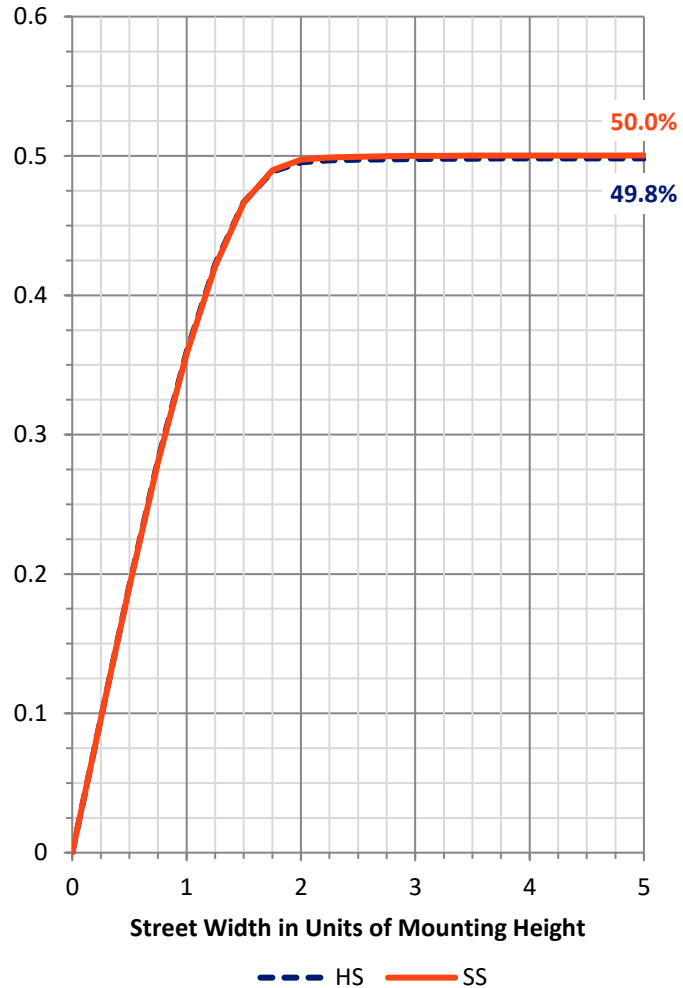
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5337.0	0.0	5337.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5337.0	0.0	5337.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10673.9	0.0	10673.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	1.6
10°-20°	491.8	4.6
20°-30°	889.0	8.3
30°-40°	1658.5	15.5
40°-50°	2782.2	26.1
50°-60°	3674.1	34.4
60°-70°	975.8	9.1
70°-80°	34.7	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°	10673.9	100.0
0°-180°	10673.9	100.0

Coefficient of Utilization



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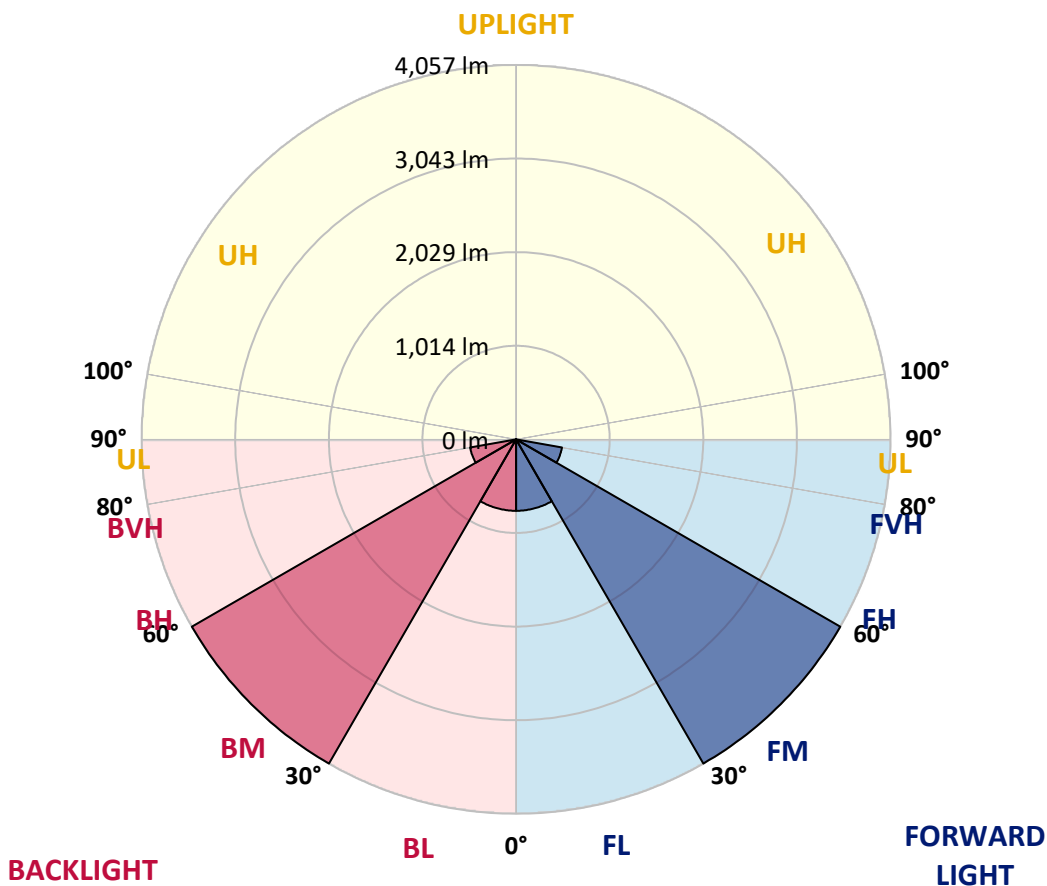
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.0	7.3			
FM (30°-60°)	4057.4	38.0			
FH (60°-80°)	505.2	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	774.0	7.3	B2/1000		
BM (30°-60°)	4057.4	38.0	B3/5000		
BH (60°-80°)	505.2	4.7	B2/1000		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°	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6	1774.6
2.5°	1762.1	1760.9	1765.9	1769.6	1769.6	1778.4	1775.9	1773.4	1770.9	1767.1	1775.9
5°	1759.6	1758.4	1762.1	1764.6	1762.1	1769.6	1764.6	1759.6	1757.1	1752.1	1762.1
7.5°	1748.3	1749.6	1752.1	1754.6	1750.8	1757.1	1750.8	1743.3	1737.1	1732.1	1740.8
10°	1730.8	1732.1	1734.6	1739.6	1740.8	1749.6	1740.8	1727.0	1718.3	1710.8	1719.5
12.5°	1722.0	1723.3	1727.0	1733.3	1734.6	1745.8	1734.6	1714.5	1702.0	1693.2	1702.0
15°	1724.5	1727.0	1732.1	1739.6	1742.1	1753.3	1738.3	1712.0	1694.5	1683.2	1690.7
17.5°	1733.3	1735.8	1743.3	1755.8	1764.6	1775.9	1757.1	1723.3	1699.5	1683.2	1690.7
20°	1744.6	1748.3	1760.9	1780.9	1799.7	1819.7	1795.9	1749.6	1718.3	1698.2	1704.5
22.5°	1775.9	1779.6	1797.2	1823.5	1854.8	1879.8	1851.0	1792.2	1749.6	1723.3	1729.5
25°	1839.8	1843.5	1866.1	1899.9	1939.9	1972.5	1936.2	1862.3	1807.2	1777.1	1779.6
27.5°	1939.9	1943.7	1970.0	2017.6	2071.4	2117.8	2065.2	1978.8	1916.2	1881.1	1881.1
30°	2066.4	2071.4	2106.5	2170.4	2254.3	2315.7	2244.3	2139.1	2058.9	2011.3	2012.6
32.5°	2229.2	2224.2	2274.3	2362.0	2481.0	2562.4	2457.2	2329.4	2230.5	2164.1	2170.4
35°	2438.4	2437.1	2493.5	2612.5	2767.8	2865.5	2740.2	2574.9	2455.9	2388.3	2389.6
37.5°	2707.7	2706.4	2771.5	2900.5	3087.1	3168.5	3028.3	2860.5	2732.7	2667.6	2675.1
40°	3023.3	3015.7	3073.4	3197.3	3383.9	3436.5	3283.8	3148.5	3025.8	2984.4	3004.5
42.5°	3323.8	3307.6	3341.4	3454.1	3598.1	3605.6	3490.4	3397.7	3313.8	3281.3	3293.8
45°	3565.5	3553.0	3584.3	3649.5	3732.1	3694.5	3639.4	3610.6	3543.0	3507.9	3519.2
47.5°	3745.9	3745.9	3783.5	3823.5	3836.1	3767.2	3775.9	3775.9	3708.3	3653.2	3639.4
50°	3901.2	3912.5	3968.8	4010.1	3968.8	3881.1	3931.2	3921.2	3783.5	3673.3	3644.4
52.5°	4149.2	4160.4	4246.8	4303.2	4256.9	4170.4	4176.7	4051.5	3848.6	3718.3	3673.3
55°	4412.2	4439.7	4564.9	4715.2	4716.5	4627.6	4462.3	4240.6	3993.9	3852.3	3806.0
57.5°	4067.8	4105.3	4291.9	4653.9	4915.6	4854.3	4459.7	4070.3	3737.1	3544.3	3518.0
60°	2799.1	2864.2	3050.8	3545.5	4050.2	4074.0	3608.1	3171.0	2789.1	2551.1	2556.1
62.5°	1182.3	1248.6	1353.8	1760.9	2224.2	2253.0	2027.6	1714.5	1402.7	1231.1	1257.4
65°	278.0	296.8	328.1	487.2	706.3	738.9	681.3	531.0	392.0	331.9	338.1
67.5°	121.5	124.0	117.7	125.2	155.3	159.1	154.0	135.3	127.7	130.2	130.2
70°	85.2	86.4	81.4	77.6	73.9	68.9	71.4	78.9	85.2	90.2	88.9
72.5°	52.6	53.9	55.1	55.1	51.3	46.3	48.8	53.9	55.1	56.4	55.1
75°	26.3	27.6	30.1	31.3	30.1	28.8	28.8	30.1	30.1	28.8	28.8
77.5°	5.0	6.3	8.8	10.0	10.0	10.0	10.0	10.0	11.3	10.0	10.0
80°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)