

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: P635488

Luminaire Tested: GWS-SA3D-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14611.6 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

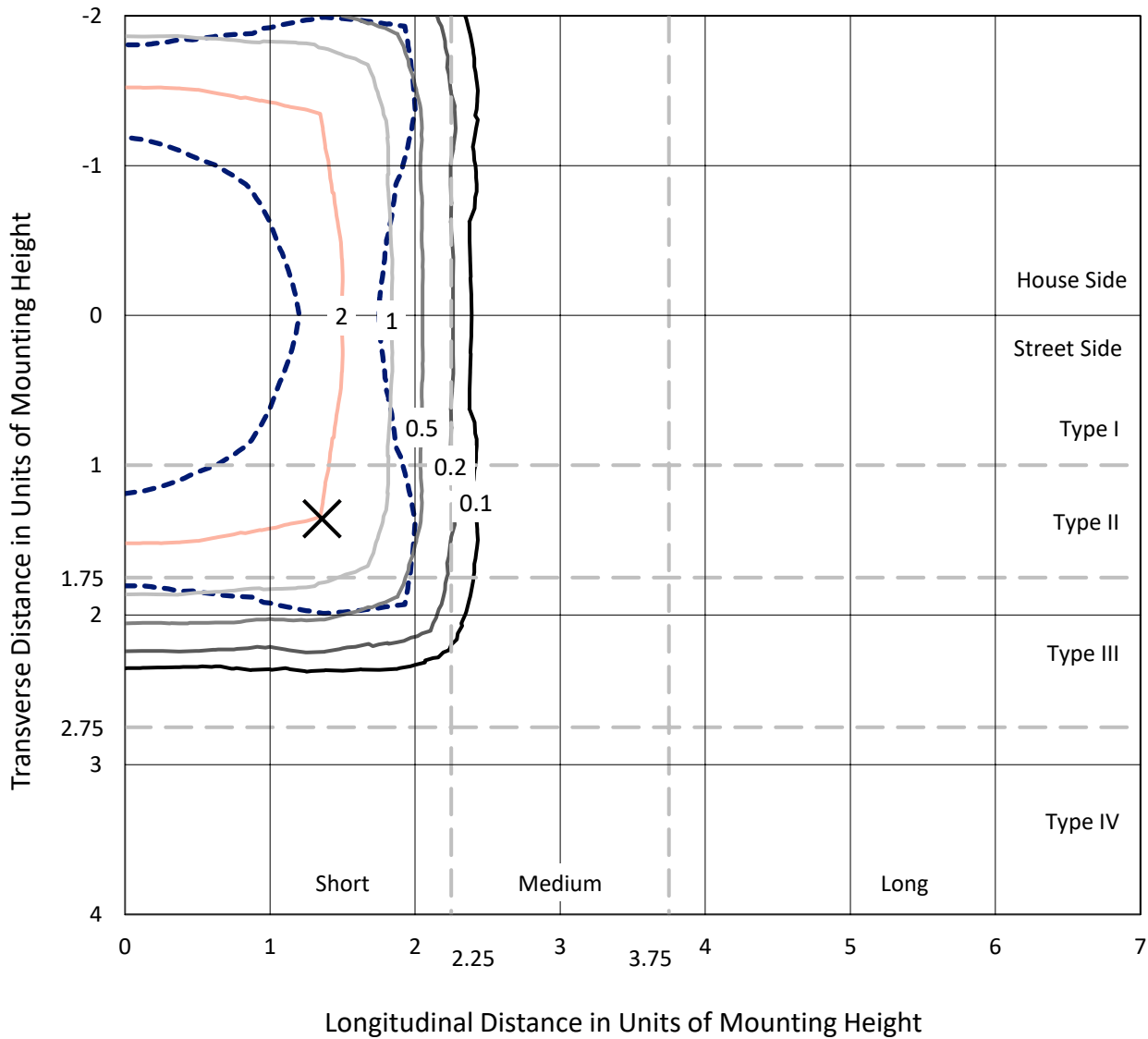
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

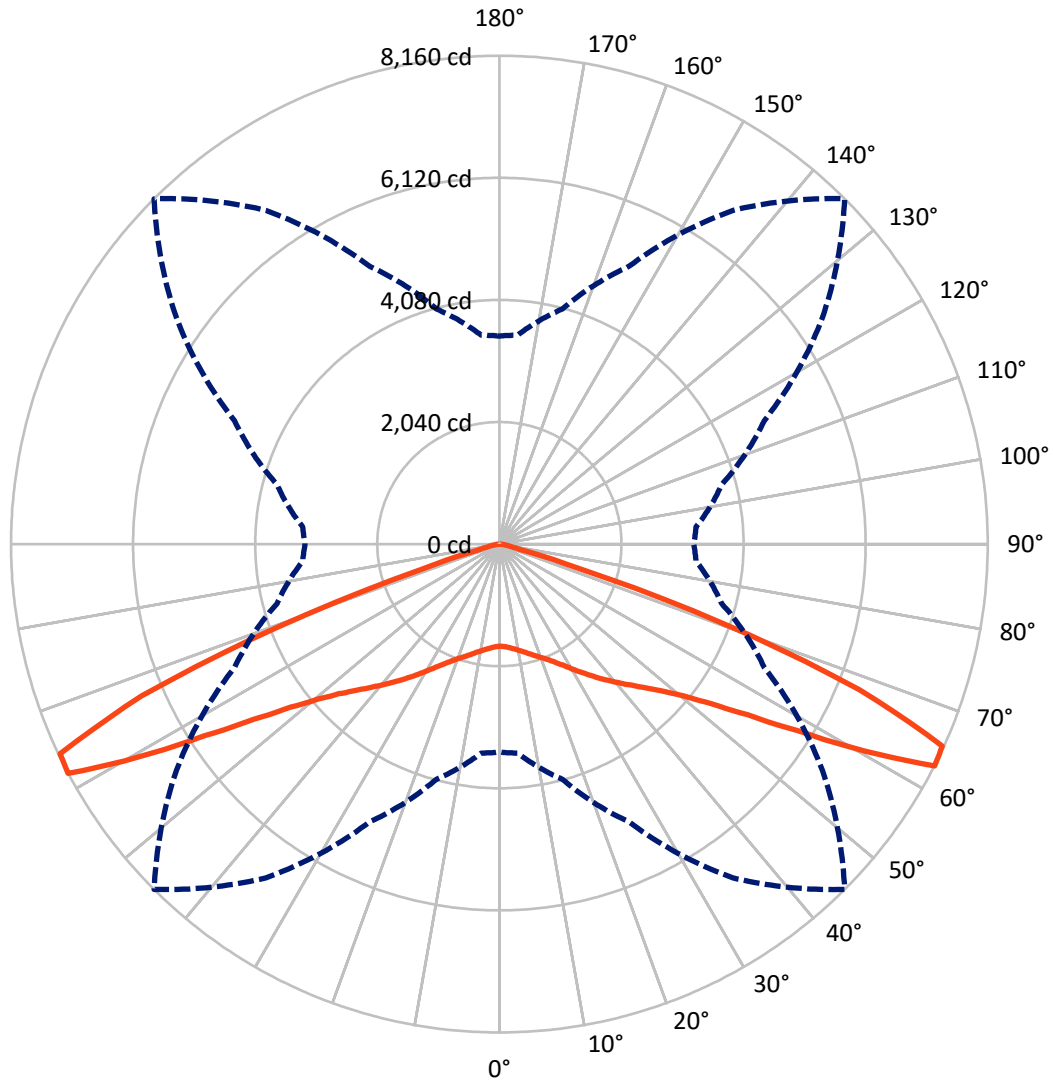
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7305.8	0.0	7305.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7305.8	0.0	7305.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14611.6	0.0	14611.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	1.1
10°-20°	539.3	3.7
20°-30°	1020.4	7.0
30°-40°	1717.5	11.8
40°-50°	2744.0	18.8
50°-60°	4423.2	30.3
60°-70°	3608.8	24.7
70°-80°	350.4	2.4
80°-90°	40.8	0.3
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°	14611.6	100.0
0°-180°	14611.6	100.0

Coefficient of Utilization



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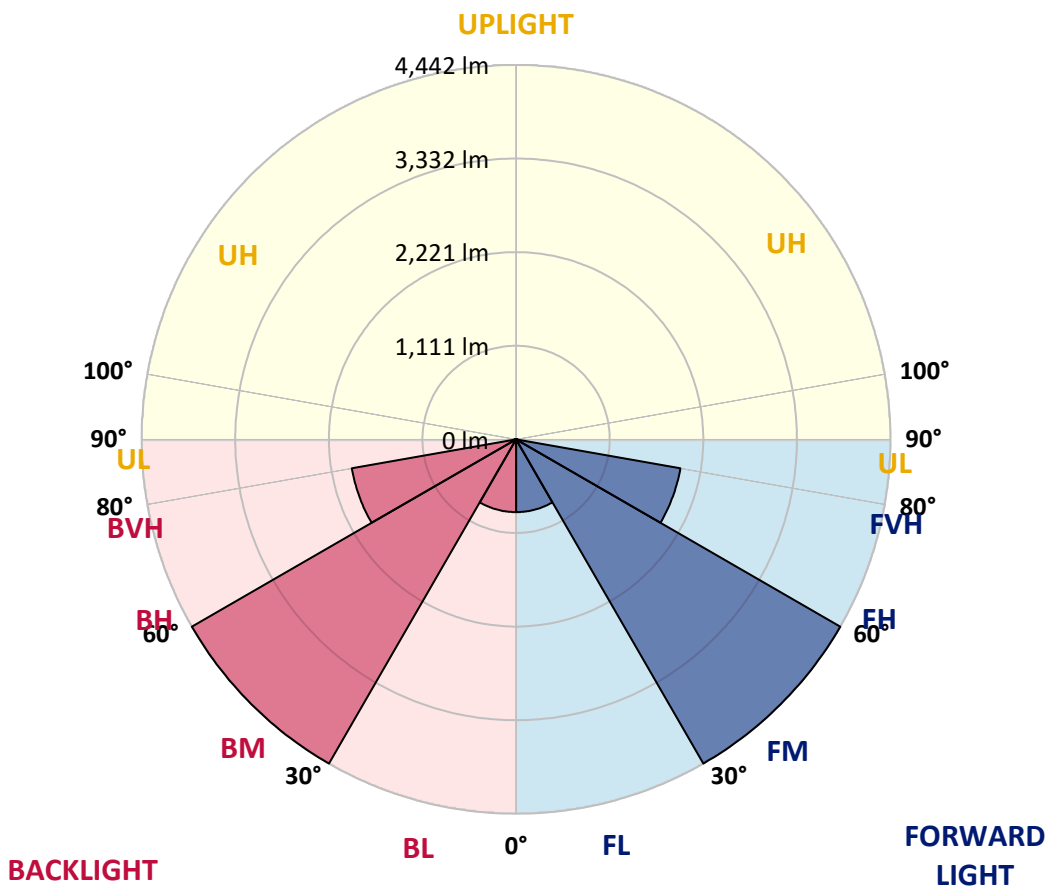
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.5	5.9			
FM (30°-60°)	4442.3	30.4			
FH (60°-80°)	1979.6	13.5			G2/5000
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	863.5	5.9	B2/1000		
BM (30°-60°)	4442.3	30.4	B3/5000		
BH (60°-80°)	1979.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	20.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6	1704.6
2.5°	1702.6	1702.6	1706.6	1709.7	1707.6	1715.7	1714.7	1712.7	1711.7	1708.6	1717.7
5°	1725.7	1725.7	1728.7	1731.7	1726.7	1736.7	1732.7	1730.7	1729.7	1725.7	1733.7
7.5°	1751.7	1754.7	1755.7	1760.8	1757.8	1768.8	1765.8	1761.8	1759.8	1754.7	1761.8
10°	1780.8	1782.8	1783.8	1792.8	1793.8	1806.9	1803.9	1798.8	1794.8	1789.8	1799.8
12.5°	1819.9	1820.9	1823.9	1834.9	1837.9	1847.9	1846.9	1839.9	1834.9	1827.9	1838.9
15°	1870.0	1871.0	1876.0	1887.0	1892.0	1904.1	1900.1	1889.0	1882.0	1874.0	1883.0
17.5°	1922.1	1926.1	1931.1	1942.1	1949.2	1963.2	1958.2	1946.2	1940.1	1932.1	1938.1
20°	1989.2	1990.3	1993.3	2005.3	2010.3	2026.3	2027.3	2015.3	2012.3	2004.3	2013.3
22.5°	2063.4	2064.4	2067.4	2080.4	2089.5	2099.5	2105.5	2098.5	2093.5	2083.4	2094.5
25°	2145.6	2155.6	2158.6	2174.6	2184.7	2190.7	2197.7	2194.7	2187.7	2175.6	2180.7
27.5°	2260.8	2262.8	2267.8	2285.9	2291.9	2297.9	2304.9	2305.9	2295.9	2281.9	2288.9
30°	2392.1	2391.1	2402.1	2416.2	2421.2	2426.2	2436.2	2442.2	2429.2	2414.2	2421.2
32.5°	2526.4	2538.4	2552.5	2565.5	2562.5	2564.5	2580.5	2591.5	2573.5	2546.4	2552.5
35°	2677.7	2685.7	2703.8	2722.8	2718.8	2715.8	2725.8	2736.8	2711.8	2676.7	2685.7
37.5°	2833.0	2845.1	2872.1	2895.2	2889.2	2875.1	2886.2	2898.2	2874.1	2834.1	2830.0
40°	3006.4	3025.5	3064.5	3083.6	3067.6	3040.5	3059.5	3088.6	3064.5	3018.4	3007.4
42.5°	3209.9	3232.9	3272.0	3301.0	3266.0	3221.9	3253.9	3296.0	3290.0	3228.9	3209.9
45°	3461.4	3476.4	3524.5	3538.6	3486.4	3425.3	3483.4	3547.6	3532.5	3466.4	3441.3
47.5°	3735.0	3758.0	3800.1	3826.2	3742.0	3665.8	3747.0	3833.2	3817.2	3755.0	3726.0
50°	4083.7	4113.8	4168.9	4190.9	4074.7	3987.5	4091.7	4201.0	4169.9	4086.7	4048.6
52.5°	4463.5	4487.6	4581.8	4625.9	4516.6	4422.4	4513.6	4620.9	4554.7	4444.5	4393.4
55°	4798.2	4822.3	4960.6	5106.9	5101.9	5036.8	5082.9	5084.9	4905.5	4723.1	4669.0
57.5°	4870.4	4894.5	5158.0	5540.8	5811.4	5886.6	5751.3	5466.7	5014.7	4695.0	4633.9
60°	4485.6	4512.6	4931.5	5631.0	6520.9	7023.0	6399.7	5458.7	4677.0	4244.1	4185.9
62.5°	3475.4	3504.5	4067.7	5117.9	6807.5	8160.4	6588.1	4884.4	3847.2	3299.0	3247.9
65°	1659.5	1659.5	2375.1	3670.8	6236.3	8133.4	6042.9	3613.7	2315.9	1778.8	1734.7
67.5°	410.9	412.9	611.3	1429.1	4242.1	6490.9	4311.2	1734.7	815.7	577.2	562.2
70°	256.5	255.5	283.6	386.8	1484.2	3939.4	1762.8	523.1	331.7	292.6	290.6
72.5°	199.4	199.4	213.5	247.5	388.8	1341.9	514.1	290.6	240.5	216.5	216.5
75°	157.3	157.3	167.4	185.4	229.5	345.7	273.6	215.5	186.4	170.4	168.4
77.5°	117.3	119.3	127.3	139.3	156.3	194.4	173.4	162.3	145.3	133.3	129.3
80°	76.2	79.2	89.2	96.2	102.2	128.3	113.2	118.3	110.2	96.2	94.2
82.5°	41.1	42.1	54.1	56.1	58.1	70.1	72.2	75.2	78.2	61.1	57.1
85°	15.0	15.0	18.0	21.0	23.0	25.1	34.1	42.1	44.1	35.1	34.1
87.5°	3.0	3.0	3.0	2.0	2.0	2.0	6.0	11.0	18.0	14.0	14.0
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)