

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: P635486

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635486
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-SA3D-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 9837.3 lumens
Efficiency: N/A
Efficacy: 81.4 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

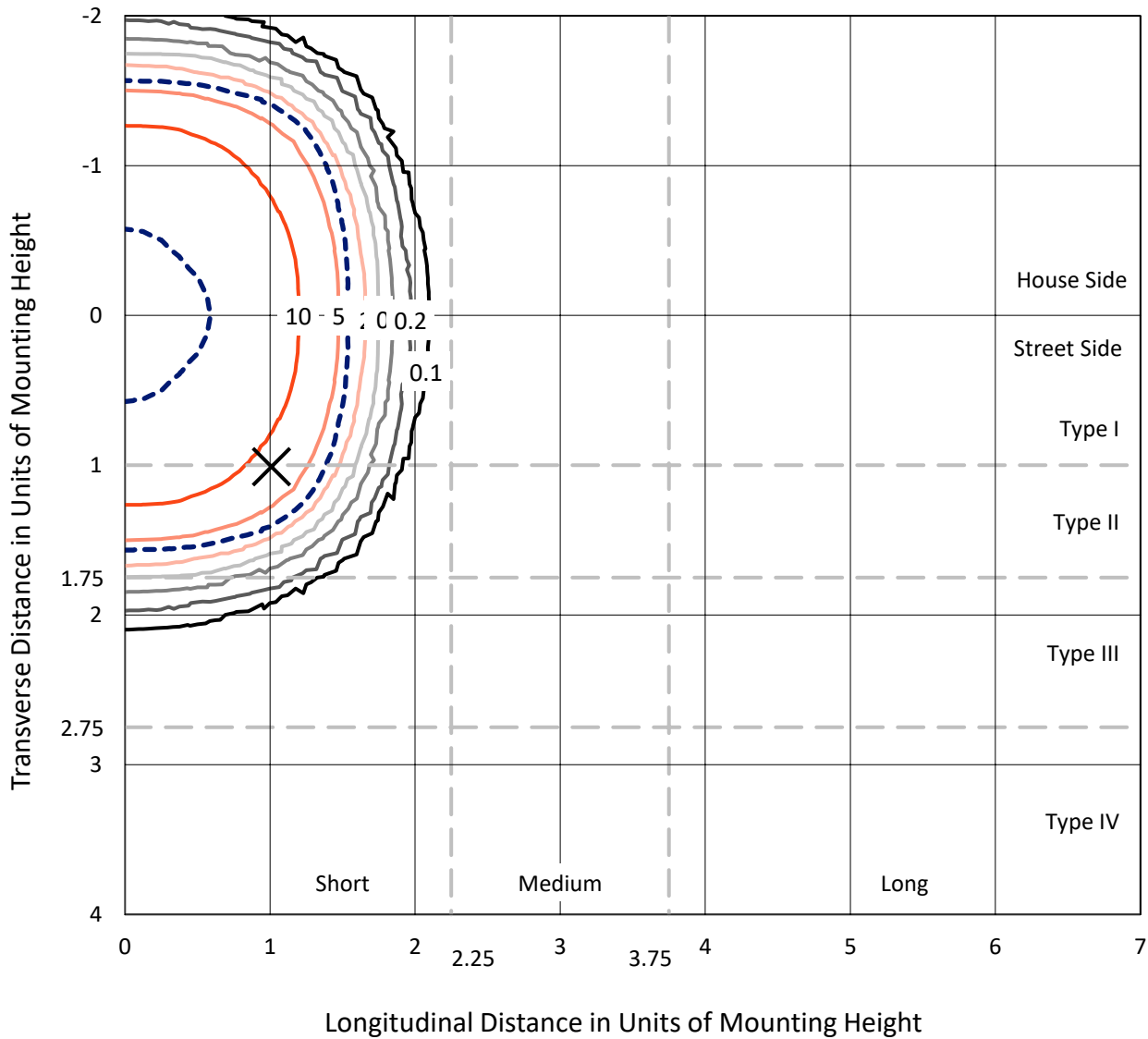
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

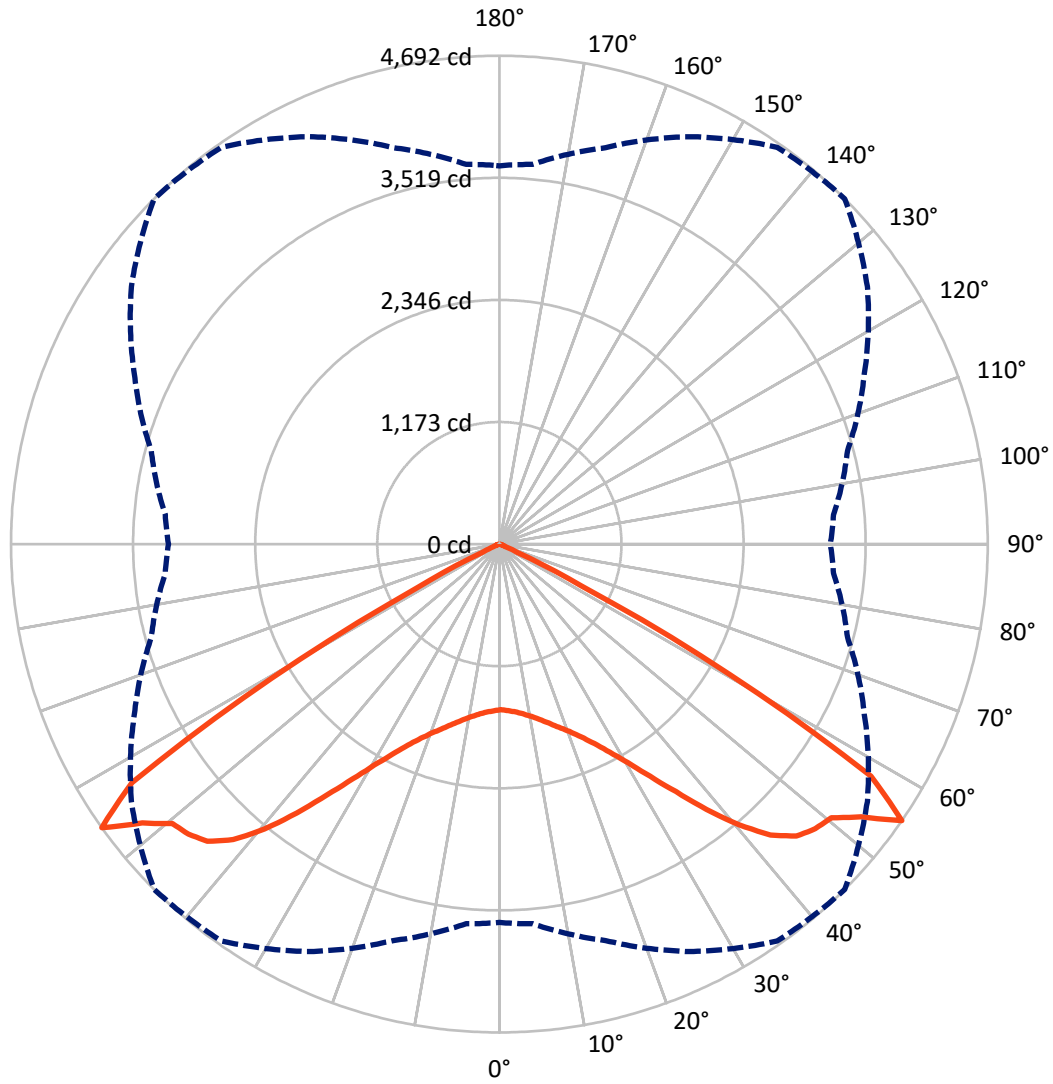
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 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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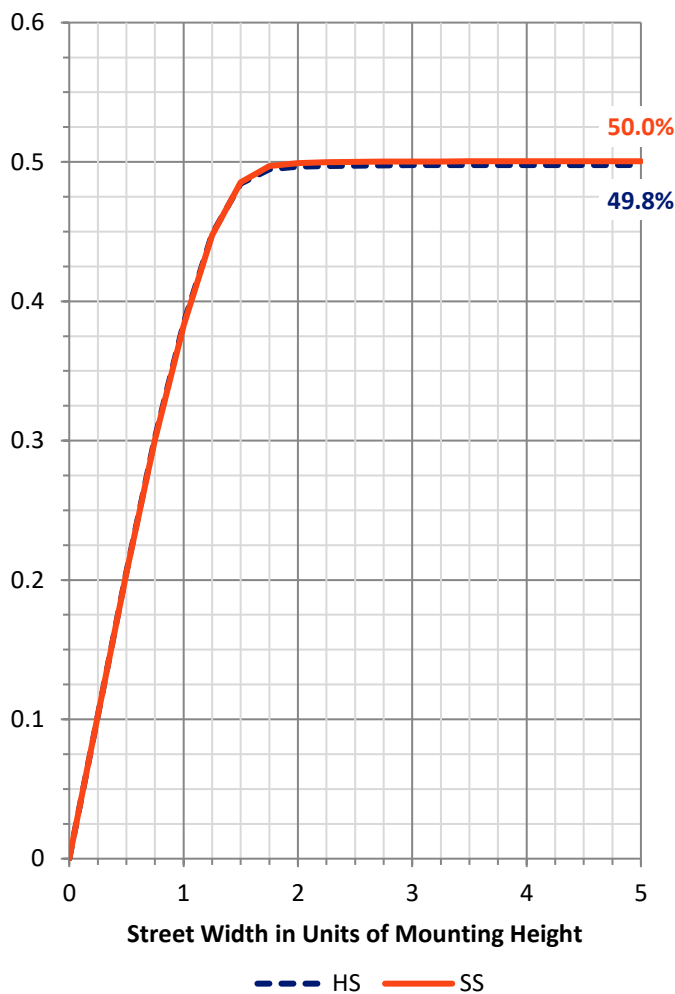
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4918.6	0.0	4918.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4918.6	0.0	4918.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9837.3	0.0	9837.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	1.6
10°-20°	505.1	5.1
20°-30°	978.3	9.9
30°-40°	1752.6	17.8
40°-50°	2938.4	29.9
50°-60°	3145.4	32.0
60°-70°	345.6	3.5
70°-80°	15.2	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°	9837.3	100.0
0°-180°	9837.3	100.0

Coefficient of Utilization



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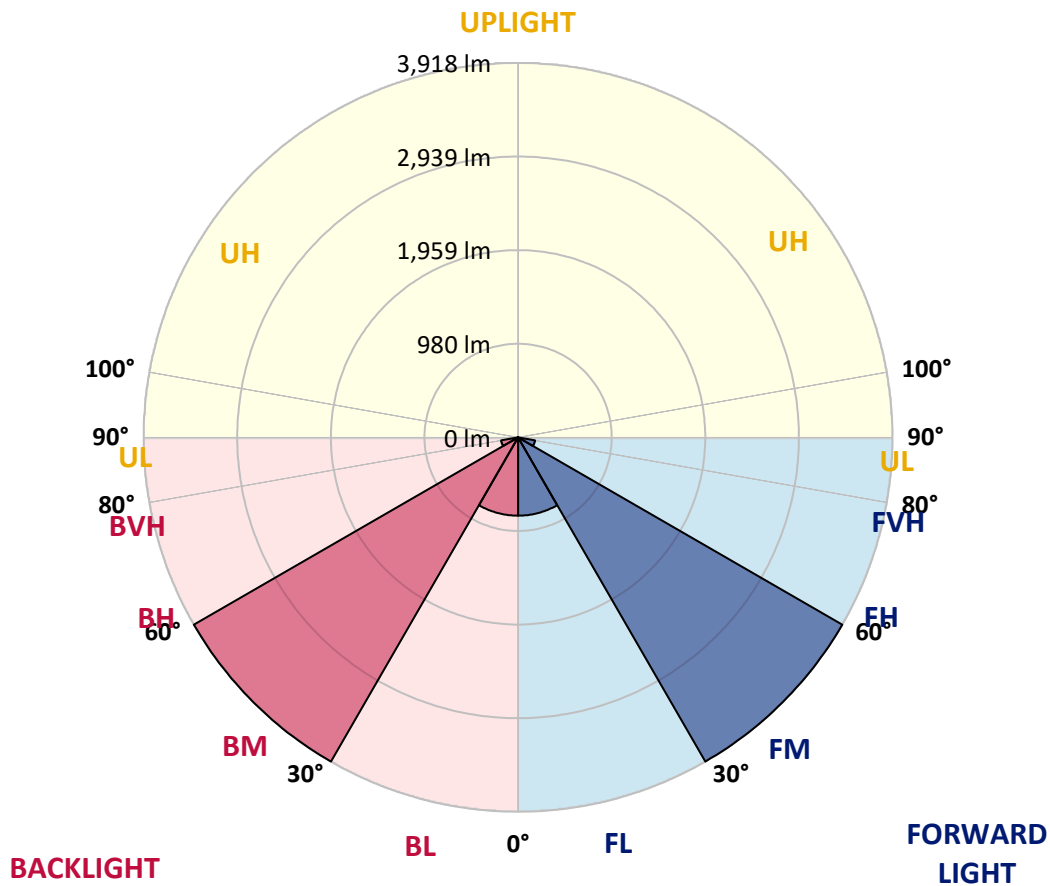
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.6	8.3			
FM (30°-60°)	3918.2	39.8			
FH (60°-80°)	180.4	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	819.6	8.3	B2/1000		
BM (30°-60°)	3918.2	39.8	B3/5000		
BH (60°-80°)	180.4	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°	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5	1590.5
2.5°	1587.5	1587.5	1591.5	1594.5	1594.5	1602.5	1599.5	1596.5	1596.5	1592.5	1600.5
5°	1610.5	1609.5	1613.6	1615.6	1611.5	1619.6	1614.6	1611.5	1609.5	1605.5	1613.6
7.5°	1635.6	1636.6	1637.6	1641.6	1639.6	1647.6	1643.6	1637.6	1635.6	1629.6	1637.6
10°	1665.7	1665.7	1667.7	1672.7	1673.7	1683.7	1679.7	1672.7	1666.7	1660.7	1668.7
12.5°	1703.8	1704.8	1707.8	1714.8	1718.8	1729.8	1723.8	1709.8	1700.7	1693.7	1702.7
15°	1758.9	1757.9	1761.9	1771.9	1776.9	1784.9	1775.9	1756.9	1745.8	1737.8	1743.8
17.5°	1819.0	1819.0	1821.0	1831.0	1838.0	1850.1	1839.0	1816.0	1806.0	1795.0	1801.0
20°	1885.2	1888.2	1890.2	1897.2	1909.2	1921.2	1912.2	1889.2	1878.1	1864.1	1871.1
22.5°	1972.3	1969.3	1970.3	1982.4	1999.4	2011.4	2004.4	1977.4	1958.3	1947.3	1951.3
25°	2069.6	2068.6	2071.6	2089.6	2108.6	2121.7	2111.6	2076.6	2057.5	2038.5	2046.5
27.5°	2188.8	2189.8	2191.8	2213.9	2243.9	2263.0	2237.9	2202.9	2176.8	2151.7	2157.8
30°	2330.1	2328.1	2334.1	2364.2	2408.3	2438.4	2409.3	2360.2	2323.1	2299.1	2302.1
32.5°	2480.5	2482.5	2498.5	2546.6	2604.7	2657.9	2598.7	2533.6	2485.5	2440.4	2446.4
35°	2642.8	2647.8	2683.9	2755.1	2850.3	2921.4	2839.3	2732.0	2663.9	2605.7	2607.7
37.5°	2834.2	2846.3	2896.4	3002.6	3138.9	3234.1	3113.9	2971.5	2883.3	2811.2	2806.2
40°	3085.8	3099.8	3168.0	3294.3	3459.6	3546.8	3407.5	3261.2	3151.9	3073.8	3061.7
42.5°	3374.4	3392.5	3466.6	3595.9	3761.3	3820.4	3684.1	3560.8	3462.6	3370.4	3366.4
45°	3700.1	3710.2	3770.3	3869.5	3988.8	4002.8	3900.6	3832.4	3733.2	3647.0	3640.0
47.5°	4005.8	4015.8	4056.9	4108.0	4136.1	4086.0	4068.0	4037.9	3909.6	3803.4	3781.3
50°	4238.3	4246.3	4297.5	4317.5	4239.3	4133.1	4168.2	4104.0	3964.7	3845.5	3811.4
52.5°	4222.3	4242.3	4373.6	4487.9	4438.8	4352.6	4258.4	4120.1	3903.6	3740.2	3698.1
55°	3635.0	3662.1	3943.7	4319.5	4655.2	4692.3	4315.5	3869.5	3462.6	3223.1	3180.0
57.5°	2336.1	2343.2	2686.9	3214.1	3970.7	4209.3	3578.9	2917.4	2411.3	2147.7	2129.7
60°	858.9	844.9	1104.4	1541.4	2287.0	2539.6	2106.6	1475.2	1052.3	865.9	850.9
62.5°	206.5	208.5	258.6	387.9	717.6	888.0	701.5	391.9	249.5	209.5	207.5
65°	104.2	102.2	103.2	111.2	153.3	183.4	150.3	106.2	102.2	103.2	102.2
67.5°	67.1	66.1	68.2	69.2	68.2	64.1	63.1	65.1	65.1	66.1	64.1
70°	41.1	40.1	42.1	45.1	43.1	38.1	40.1	42.1	40.1	39.1	39.1
72.5°	22.0	22.0	24.1	26.1	24.1	22.0	22.0	23.1	22.0	22.0	22.0
75°	10.0	10.0	11.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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)