

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: P634716

Luminaire Tested: GWS-SA3C-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634716
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-SA3C-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9681.5 lumens
Efficiency: N/A
Efficacy: 104.1 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

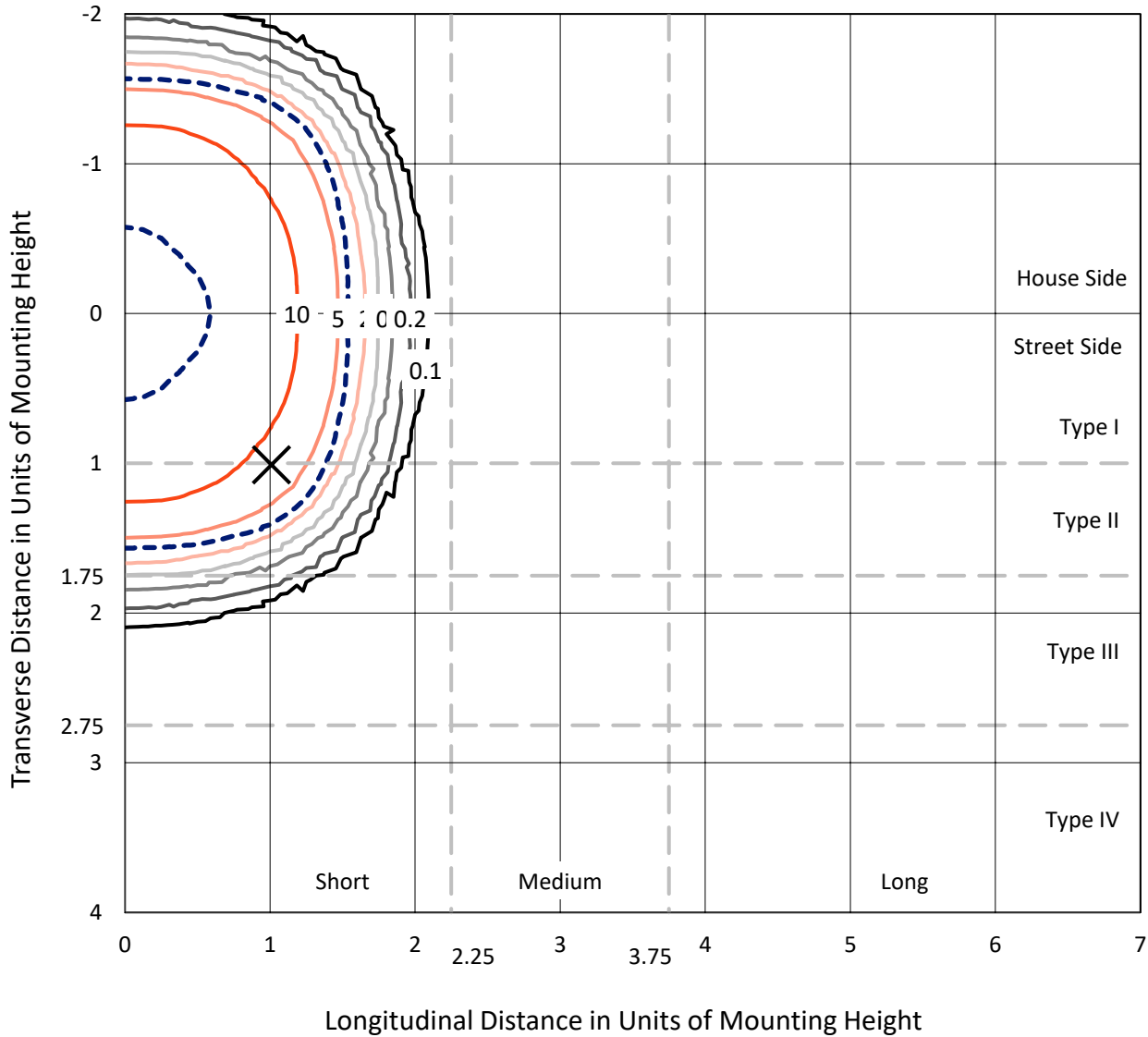
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

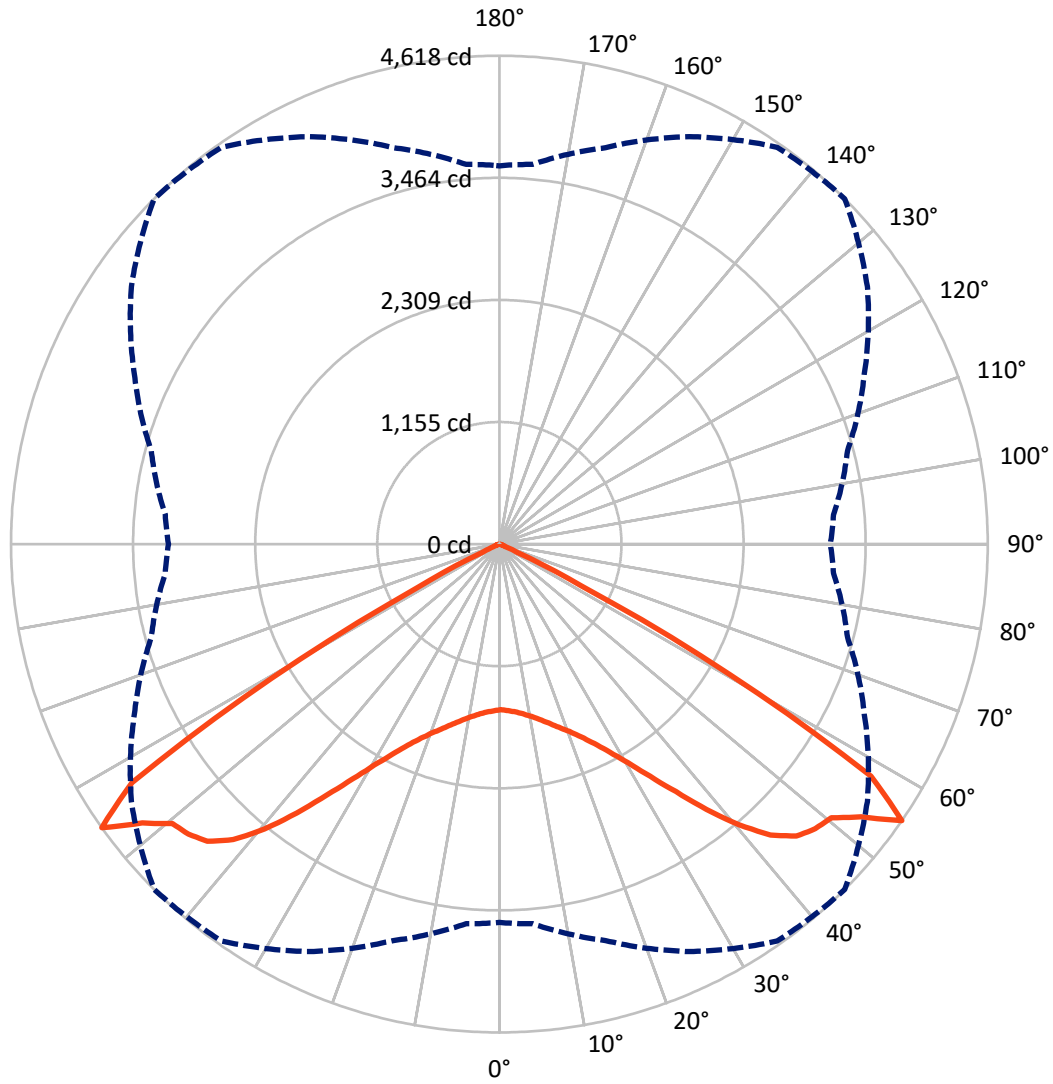
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 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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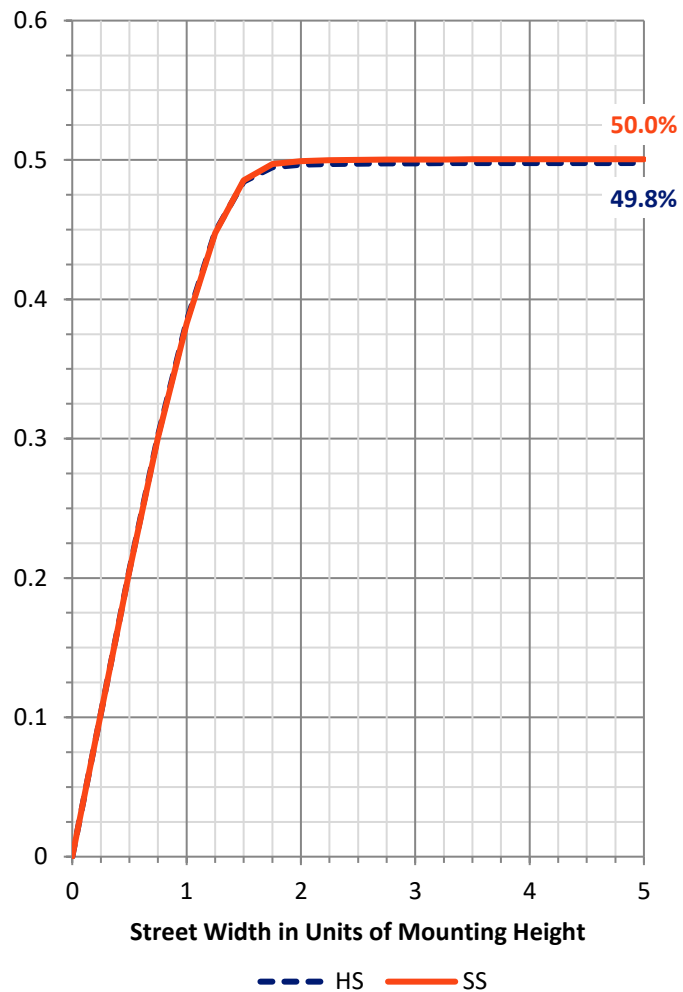
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4840.8	0.0	4840.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4840.8	0.0	4840.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9681.5	0.0	9681.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	1.6
10°-20°	497.1	5.1
20°-30°	962.8	9.9
30°-40°	1724.9	17.8
40°-50°	2891.9	29.9
50°-60°	3095.6	32.0
60°-70°	340.2	3.5
70°-80°	15.0	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°	9681.5	100.0
0°-180°	9681.5	100.0

Coefficient of Utilization



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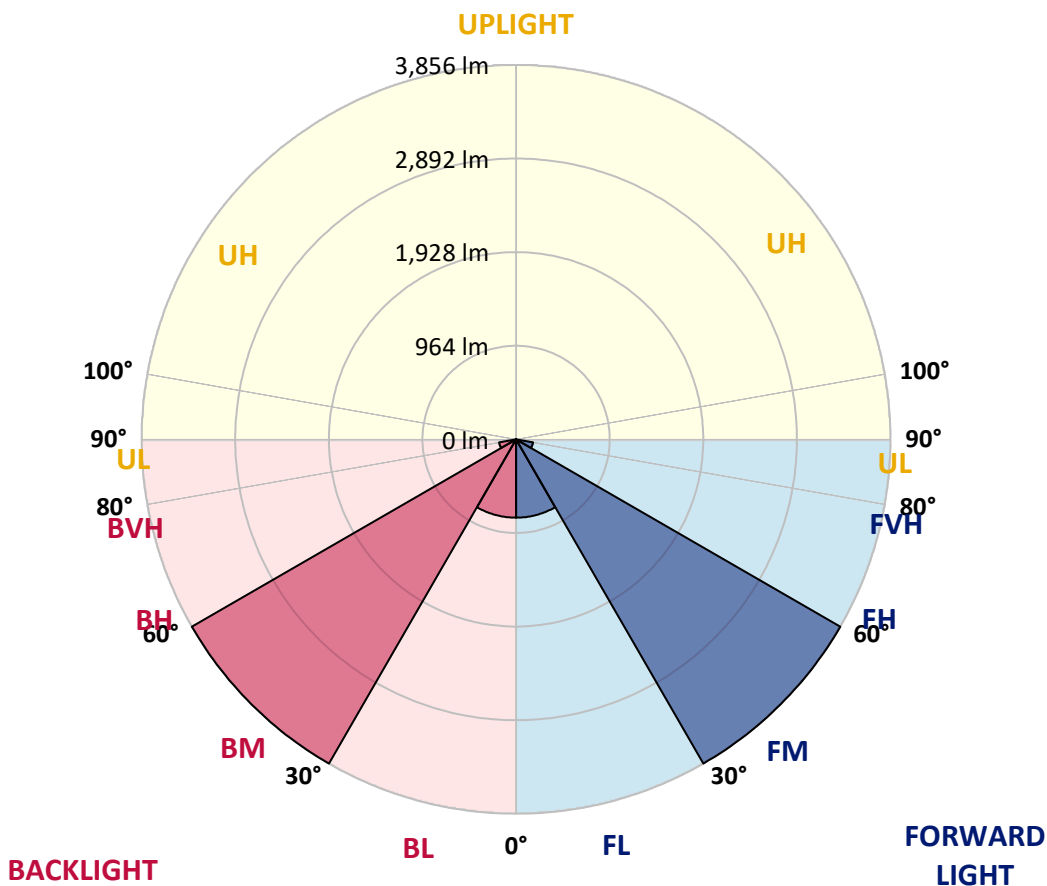
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.6	8.3			
FM (30°-60°)	3856.2	39.8			
FH (60°-80°)	177.6	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	806.6	8.3	B2/1000		
BM (30°-60°)	3856.2	39.8	B3/5000		
BH (60°-80°)	177.6	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°	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3	1565.3
2.5°	1562.4	1562.4	1566.3	1569.3	1569.3	1577.1	1574.2	1571.2	1571.2	1567.3	1575.2
5°	1585.0	1584.1	1588.0	1590.0	1586.0	1593.9	1589.0	1586.0	1584.1	1580.1	1588.0
7.5°	1609.7	1610.7	1611.7	1615.6	1613.6	1621.5	1617.6	1611.7	1609.7	1603.8	1611.7
10°	1639.3	1639.3	1641.3	1646.2	1647.2	1657.0	1653.1	1646.2	1640.3	1634.4	1642.2
12.5°	1676.8	1677.8	1680.7	1687.6	1691.6	1702.4	1696.5	1682.7	1673.8	1666.9	1675.8
15°	1731.0	1730.0	1734.0	1743.8	1748.8	1756.7	1747.8	1729.0	1718.2	1710.3	1716.2
17.5°	1790.2	1790.2	1792.2	1802.0	1808.9	1820.8	1809.9	1787.2	1777.4	1766.5	1772.4
20°	1855.3	1858.3	1860.2	1867.1	1879.0	1890.8	1881.9	1859.2	1848.4	1834.6	1841.5
22.5°	1941.1	1938.1	1939.1	1951.0	1967.7	1979.6	1972.7	1946.0	1927.3	1916.4	1920.4
25°	2036.8	2035.8	2038.8	2056.5	2075.2	2088.1	2078.2	2043.7	2024.9	2006.2	2014.1
27.5°	2154.2	2155.1	2157.1	2178.8	2208.4	2227.1	2202.5	2168.0	2142.3	2117.7	2123.6
30°	2293.2	2291.3	2297.2	2326.8	2370.2	2399.8	2371.1	2322.8	2286.3	2262.7	2265.6
32.5°	2441.2	2443.1	2458.9	2506.3	2563.5	2615.8	2557.6	2493.5	2446.1	2401.7	2407.6
35°	2601.0	2605.9	2641.4	2711.4	2805.1	2875.2	2794.3	2688.7	2621.7	2564.5	2566.4
37.5°	2789.4	2801.2	2850.5	2955.1	3089.2	3182.9	3064.5	2924.5	2837.7	2766.7	2761.7
40°	3036.9	3050.7	3117.8	3242.1	3404.8	3490.6	3353.5	3209.5	3102.0	3025.1	3013.3
42.5°	3321.0	3338.7	3411.7	3539.0	3701.7	3759.9	3625.8	3504.4	3407.8	3317.0	3313.1
45°	3641.5	3651.4	3710.6	3808.2	3925.6	3939.4	3838.8	3771.7	3674.1	3589.3	3582.4
47.5°	3942.4	3952.2	3992.7	4043.0	4070.6	4021.3	4003.5	3973.9	3847.7	3743.1	3721.4
50°	4171.2	4179.1	4229.4	4249.1	4172.2	4067.6	4102.2	4039.0	3901.9	3784.6	3751.0
52.5°	4155.4	4175.2	4304.4	4416.8	4368.5	4283.6	4190.9	4054.8	3841.8	3681.0	3639.6
55°	3577.4	3604.1	3881.2	4251.1	4581.5	4618.0	4247.2	3808.2	3407.8	3172.0	3129.6
57.5°	2299.1	2306.0	2644.4	3163.2	3907.9	4142.6	3522.2	2871.2	2373.1	2113.7	2096.0
60°	845.3	831.5	1086.9	1517.0	2250.8	2499.4	2073.3	1451.9	1035.7	852.2	837.4
62.5°	203.2	205.2	254.5	381.7	706.2	873.9	690.4	385.7	245.6	206.1	204.2
65°	102.6	100.6	101.6	109.5	150.9	180.5	148.0	104.6	100.6	101.6	100.6
67.5°	66.1	65.1	67.1	68.1	67.1	63.1	62.1	64.1	64.1	65.1	63.1
70°	40.4	39.5	41.4	44.4	42.4	37.5	39.5	41.4	39.5	38.5	38.5
72.5°	21.7	21.7	23.7	25.6	23.7	21.7	21.7	22.7	21.7	21.7	21.7
75°	9.9	9.9	10.8	11.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9
77.5°	3.0	3.0	3.9	3.9	3.0	3.0	3.0	3.0	3.9	3.9	3.9
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)