

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: P634771

Luminaire Tested: GWS-SA3C-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634771
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9816 lumens
Efficiency: N/A
Efficacy: 105.5 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

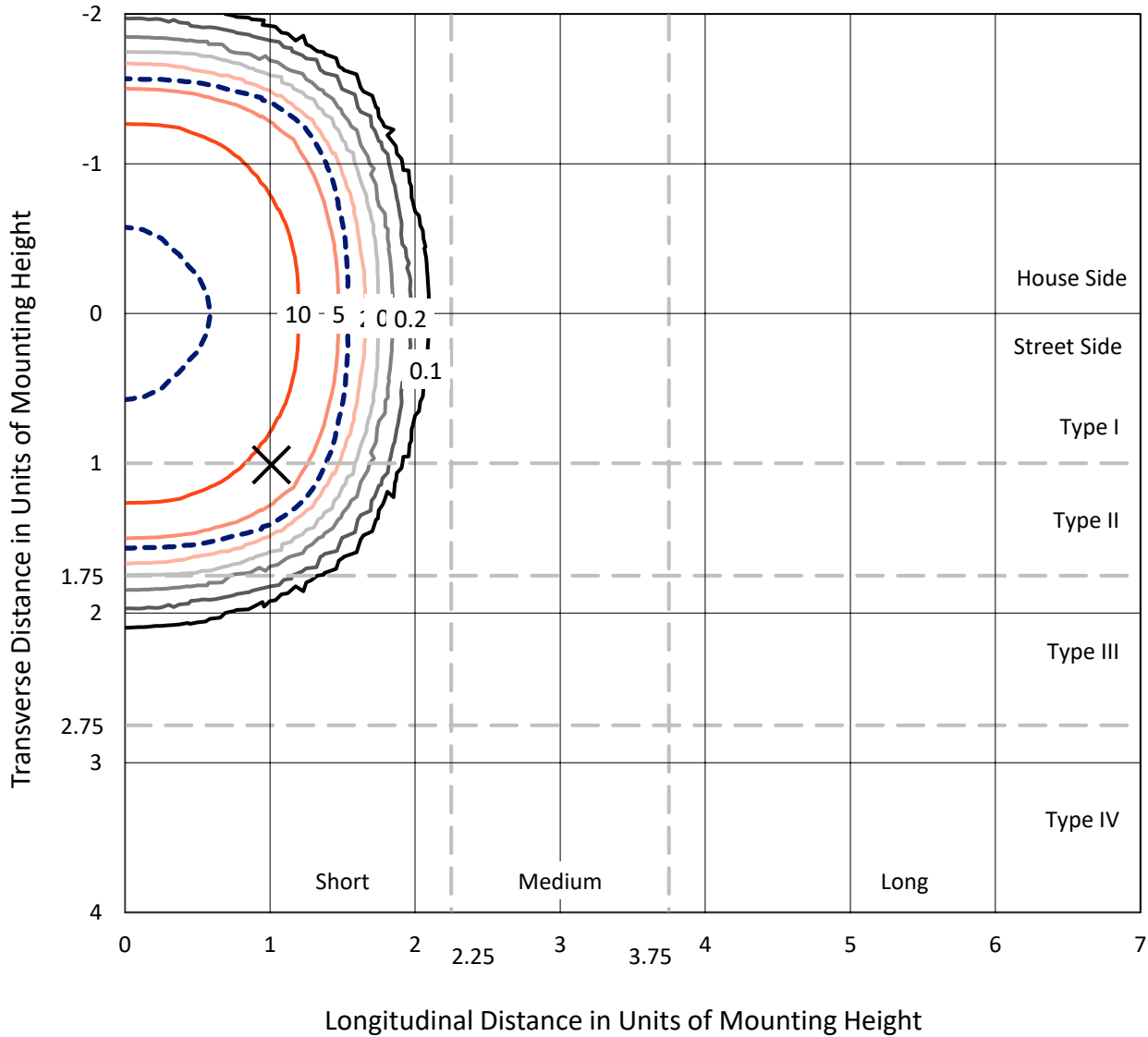
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

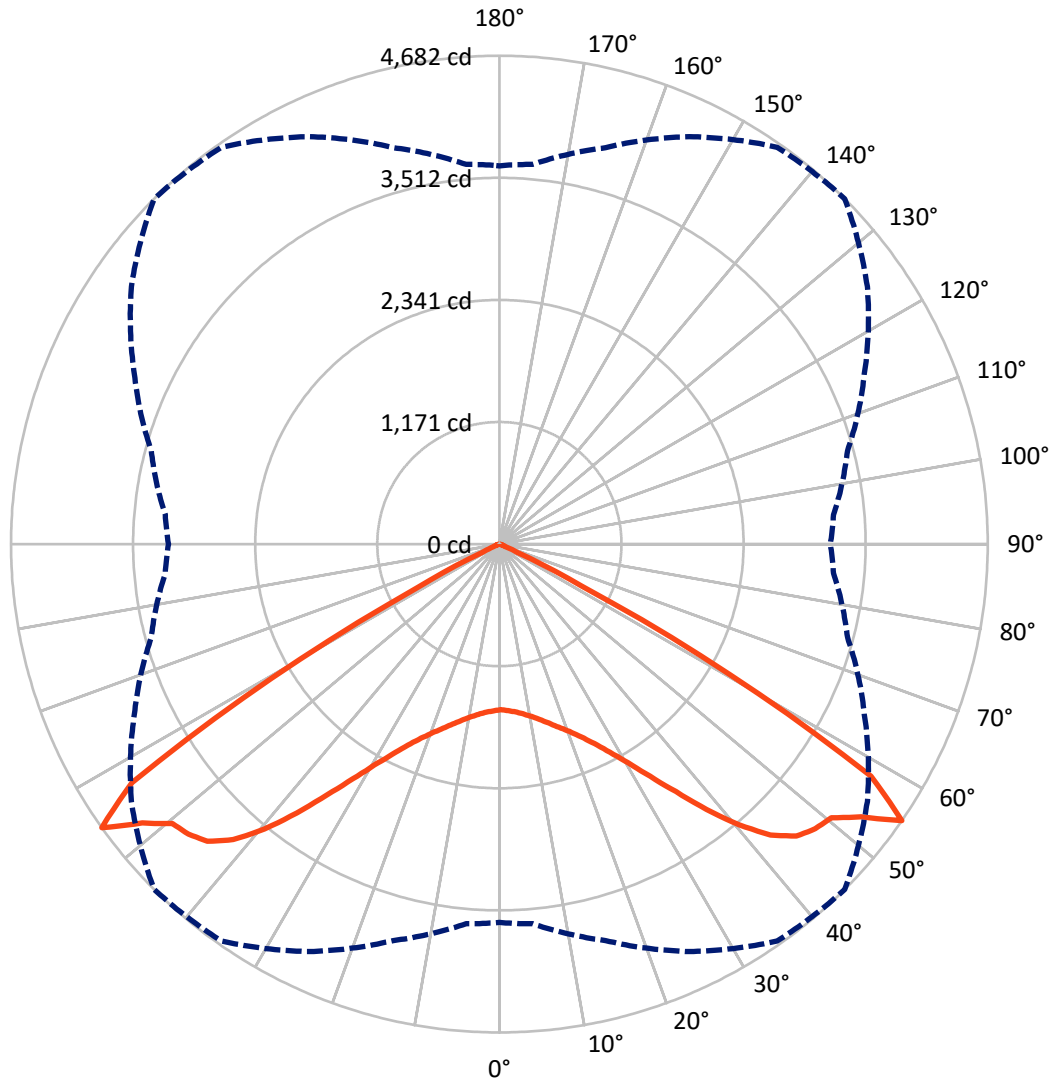
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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	4908.0	0.0	4908.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4908.0	0.0	4908.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9816.0	0.0	9816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.6
10°-20°	504.1	5.1
20°-30°	976.2	9.9
30°-40°	1748.8	17.8
40°-50°	2932.0	29.9
50°-60°	3138.6	32.0
60°-70°	344.9	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°	9816.0	100.0
0°-180°	9816.0	100.0

Coefficient of Utilization



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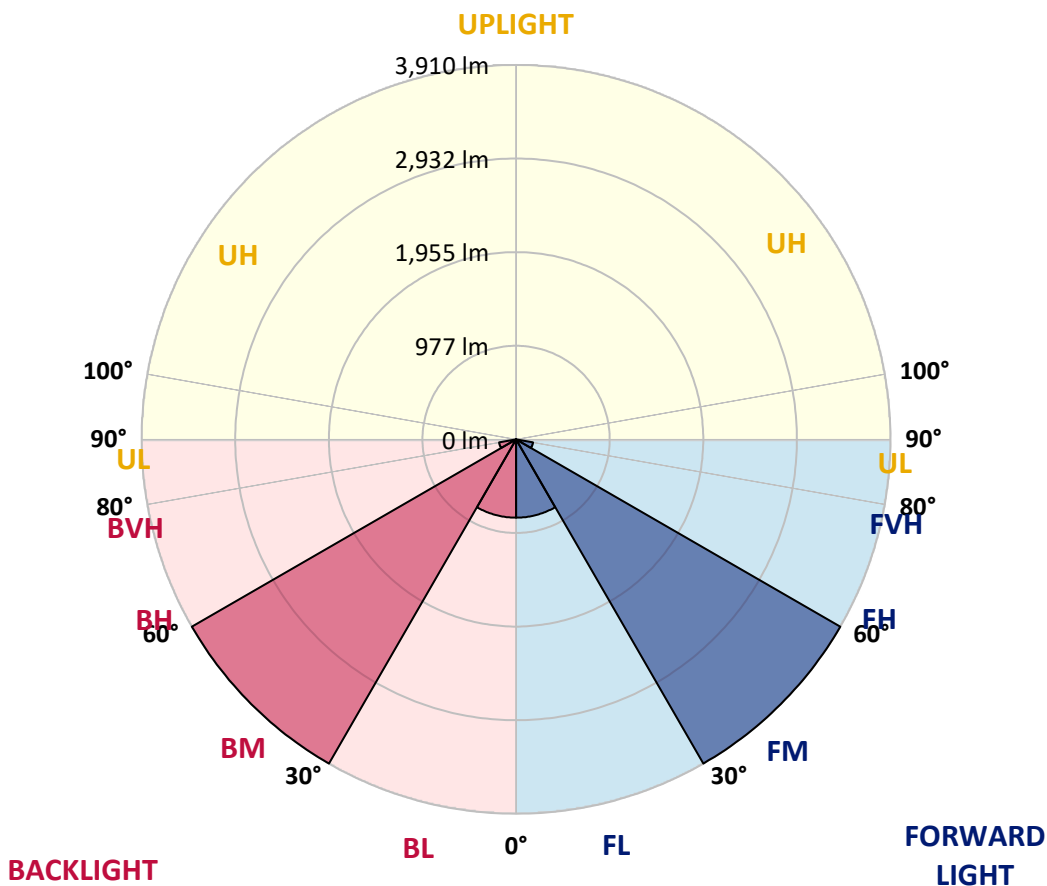
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.9	8.3			
FM (30°-60°)	3909.7	39.8			
FH (60°-80°)	180.0	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	817.9	8.3	B2/1000		
BM (30°-60°)	3909.7	39.8	B3/5000		
BH (60°-80°)	180.0	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°	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1
2.5°	1584.1	1584.1	1588.1	1591.1	1591.1	1599.1	1596.1	1593.1	1593.1	1589.1	1597.1
5°	1607.1	1606.1	1610.1	1612.1	1608.1	1616.1	1611.1	1608.1	1606.1	1602.1	1610.1
7.5°	1632.1	1633.1	1634.1	1638.1	1636.1	1644.1	1640.1	1634.1	1632.1	1626.1	1634.1
10°	1662.1	1662.1	1664.1	1669.1	1670.1	1680.1	1676.1	1669.1	1663.1	1657.1	1665.1
12.5°	1700.1	1701.1	1704.1	1711.1	1715.1	1726.1	1720.1	1706.1	1697.1	1690.1	1699.1
15°	1755.1	1754.1	1758.1	1768.1	1773.1	1781.1	1772.1	1753.1	1742.1	1734.1	1740.1
17.5°	1815.1	1815.1	1817.1	1827.1	1834.1	1846.1	1835.1	1812.1	1802.1	1791.1	1797.1
20°	1881.1	1884.1	1886.1	1893.1	1905.1	1917.1	1908.1	1885.1	1874.1	1860.1	1867.1
22.5°	1968.1	1965.1	1966.1	1978.1	1995.1	2007.1	2000.1	1973.1	1954.1	1943.1	1947.1
25°	2065.1	2064.1	2067.1	2085.1	2104.1	2117.1	2107.1	2072.1	2053.1	2034.1	2042.1
27.5°	2184.1	2185.1	2187.1	2209.1	2239.1	2258.1	2233.1	2198.1	2172.1	2147.1	2153.1
30°	2325.1	2323.1	2329.1	2359.1	2403.1	2433.1	2404.1	2355.1	2318.1	2294.1	2297.1
32.5°	2475.1	2477.1	2493.1	2541.1	2599.1	2652.1	2593.1	2528.1	2480.1	2435.1	2441.1
35°	2637.1	2642.1	2678.1	2749.1	2844.1	2915.1	2833.1	2726.1	2658.1	2600.1	2602.1
37.5°	2828.1	2840.1	2890.1	2996.1	3132.1	3227.1	3107.1	2965.1	2877.1	2805.1	2800.1
40°	3079.1	3093.1	3161.1	3287.1	3452.1	3539.1	3400.1	3254.1	3145.1	3067.1	3055.1
42.5°	3367.1	3385.1	3459.1	3588.1	3753.1	3812.1	3676.1	3553.1	3455.1	3363.1	3359.1
45°	3692.1	3702.1	3762.1	3861.1	3980.1	3994.1	3892.1	3824.1	3725.1	3639.1	3632.1
47.5°	3997.1	4007.1	4048.1	4099.1	4127.2	4077.1	4059.1	4029.1	3901.1	3795.1	3773.1
50°	4229.2	4237.2	4288.2	4308.2	4230.2	4124.2	4159.2	4095.1	3956.1	3837.1	3803.1
52.5°	4213.2	4233.2	4364.2	4478.2	4429.2	4343.2	4249.2	4111.2	3895.1	3732.1	3690.1
55°	3627.1	3654.1	3935.1	4310.2	4645.2	4682.2	4306.2	3861.1	3455.1	3216.1	3173.1
57.5°	2331.1	2338.1	2681.1	3207.1	3962.1	4200.2	3571.1	2911.1	2406.1	2143.1	2125.1
60°	857.0	843.0	1102.0	1538.1	2282.1	2534.1	2102.1	1472.1	1050.0	864.0	849.0
62.5°	206.0	208.0	258.0	387.0	716.0	886.0	700.0	391.0	249.0	209.0	207.0
65°	104.0	102.0	103.0	111.0	153.0	183.0	150.0	106.0	102.0	103.0	102.0
67.5°	67.0	66.0	68.0	69.0	68.0	64.0	63.0	65.0	65.0	66.0	64.0
70°	41.0	40.0	42.0	45.0	43.0	38.0	40.0	42.0	40.0	39.0	39.0
72.5°	22.0	22.0	24.0	26.0	24.0	22.0	22.0	23.0	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)