

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: P637359

Luminaire Tested: GWS-SA4C-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10306.4 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

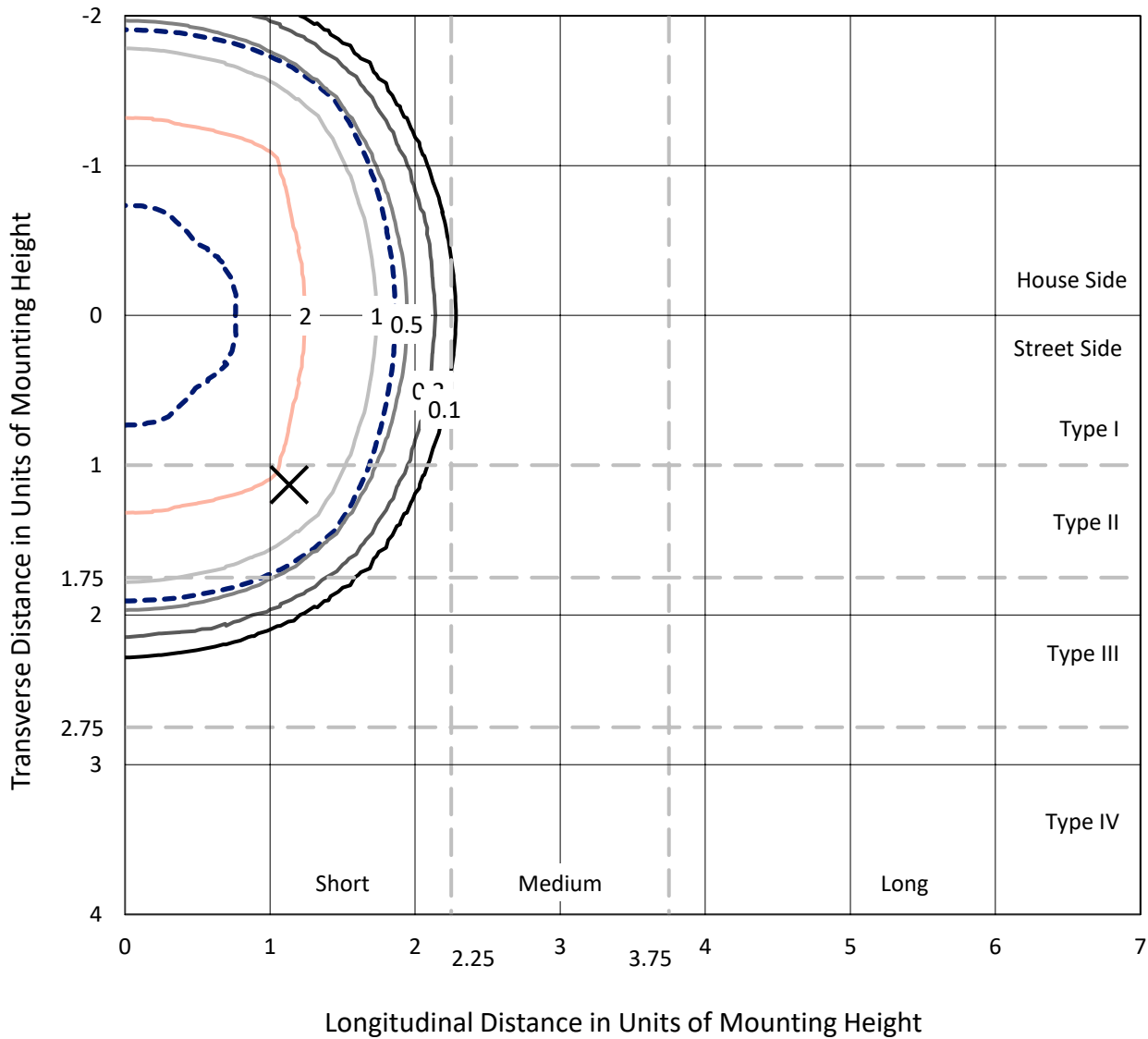
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

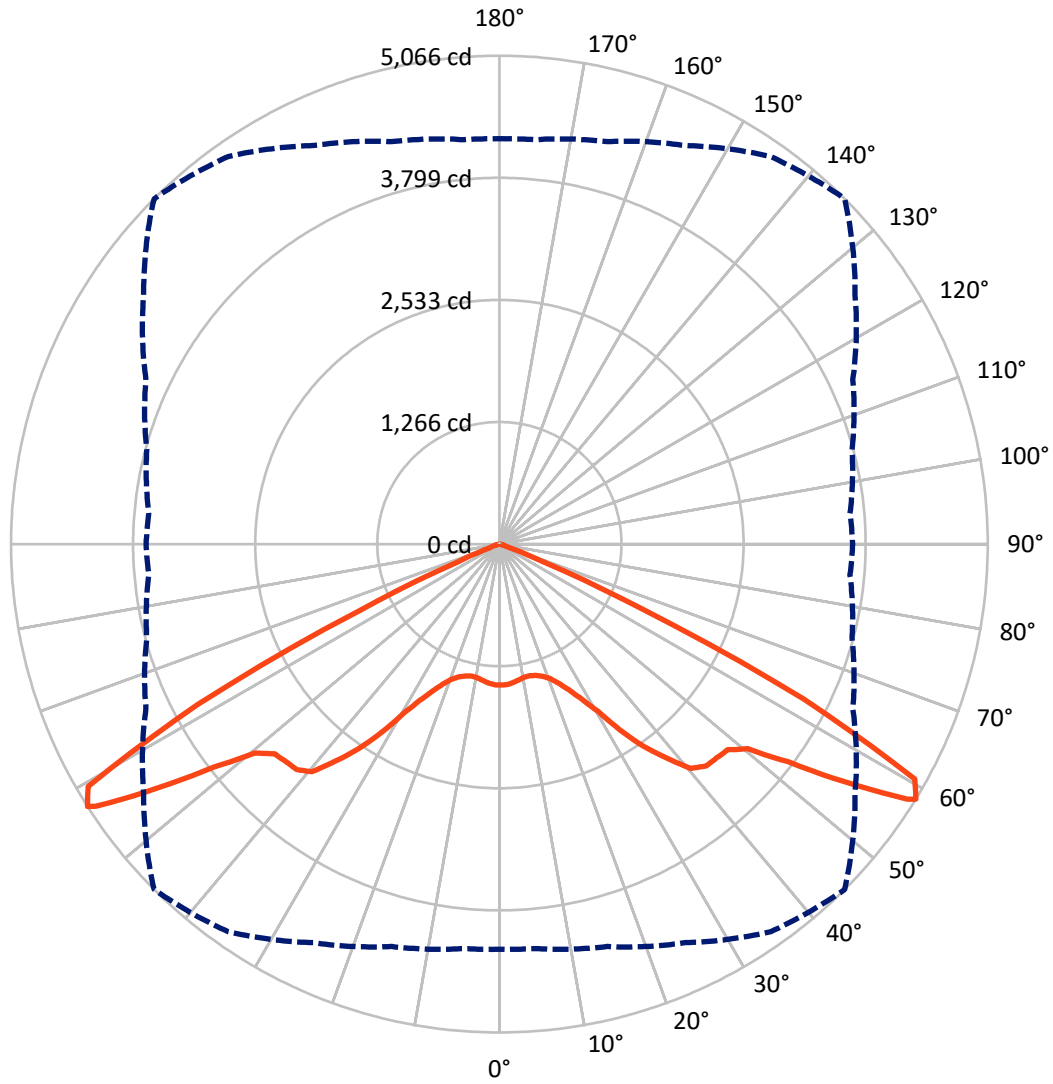
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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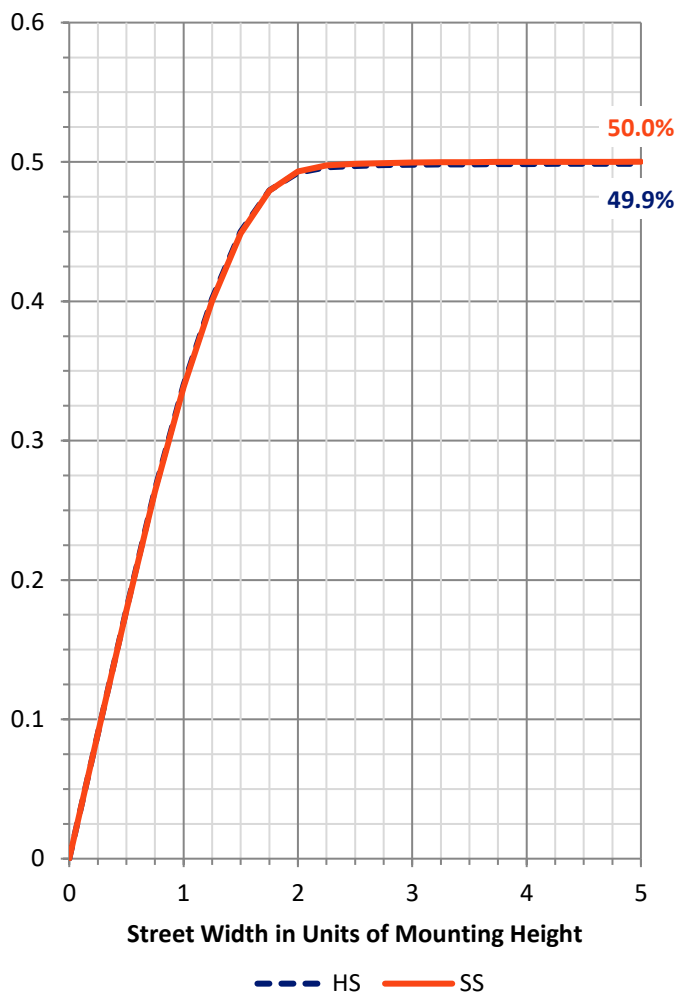
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5153.2	0.0	5153.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5153.2	0.0	5153.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10306.4	0.0	10306.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.3
10°-20°	403.5	3.9
20°-30°	763.1	7.4
30°-40°	1505.1	14.6
40°-50°	2381.8	23.1
50°-60°	3501.1	34.0
60°-70°	1562.7	15.2
70°-80°	52.3	0.5
80°-90°	0.4	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°	10306.4	100.0
0°-180°	10306.4	100.0

Coefficient of Utilization



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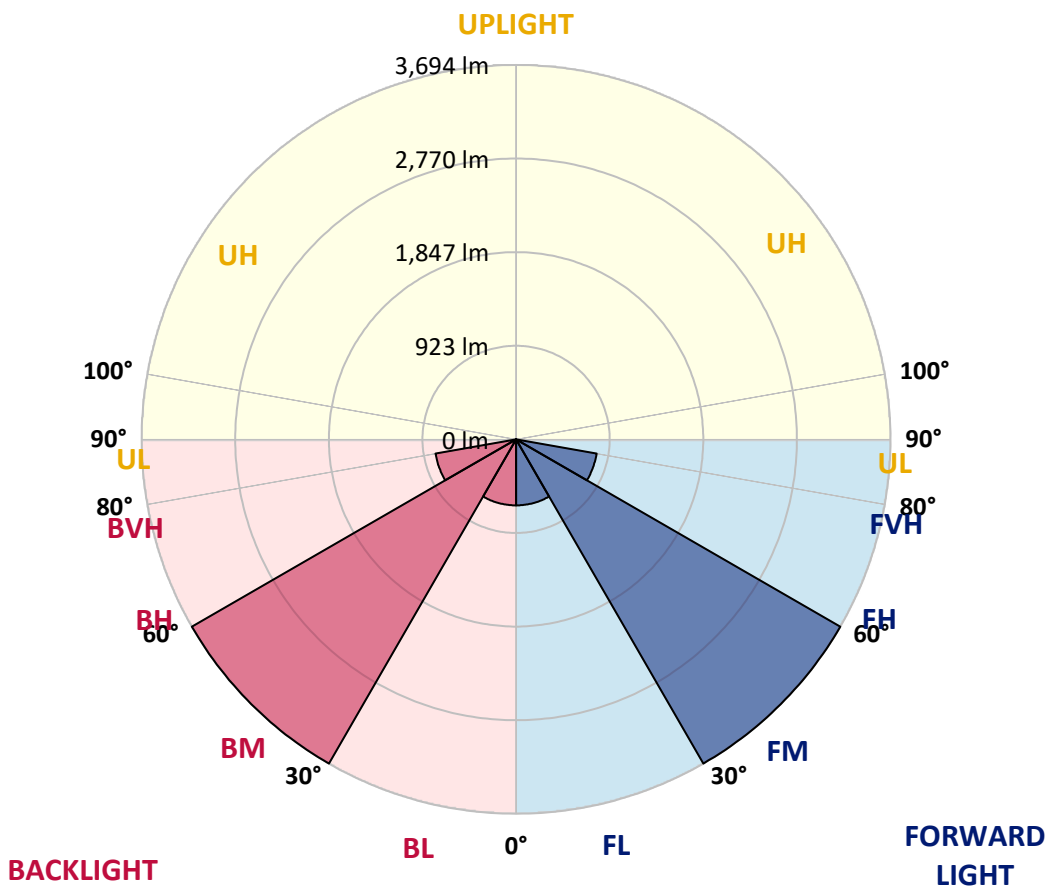
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.5	6.3			
FM (30°-60°)	3693.9	35.8			
FH (60°-80°)	807.5	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	651.5	6.3	B2/1000		
BM (30°-60°)	3693.9	35.8	B3/5000		
BH (60°-80°)	807.5	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6	1461.6
2.5°	1447.5	1450.4	1453.2	1454.6	1456.0	1460.2	1461.6	1457.4	1457.4	1448.9	1458.8
5°	1440.5	1443.3	1446.1	1444.7	1444.7	1444.7	1443.3	1437.7	1436.3	1427.9	1437.7
7.5°	1427.9	1430.7	1430.7	1426.5	1423.7	1423.7	1422.3	1415.3	1413.8	1405.4	1415.3
10°	1418.1	1419.5	1418.1	1409.6	1404.0	1404.0	1402.6	1399.8	1401.2	1395.6	1404.0
12.5°	1423.7	1425.1	1419.5	1408.2	1401.2	1399.8	1395.6	1391.4	1395.6	1394.2	1402.6
15°	1441.9	1443.3	1433.5	1419.5	1413.8	1413.8	1402.6	1391.4	1397.0	1398.4	1408.2
17.5°	1464.4	1464.4	1451.8	1439.1	1440.5	1440.5	1422.3	1402.6	1404.0	1409.6	1419.5
20°	1491.1	1491.1	1478.4	1475.6	1485.5	1486.9	1464.4	1433.5	1426.5	1430.7	1441.9
22.5°	1538.8	1538.8	1529.0	1536.0	1558.5	1565.5	1531.8	1488.3	1471.4	1474.2	1485.5
25°	1613.2	1613.2	1610.4	1627.3	1659.6	1675.0	1630.1	1572.5	1544.4	1540.2	1552.8
27.5°	1738.2	1739.6	1735.4	1760.6	1801.4	1819.6	1757.8	1682.0	1648.3	1641.3	1653.9
30°	1899.6	1899.6	1901.0	1936.1	1989.5	2013.4	1931.9	1843.5	1804.2	1781.7	1798.5
32.5°	2079.4	2082.2	2096.2	2155.2	2249.2	2298.4	2179.0	2055.5	1992.3	1968.4	1986.7
35°	2375.6	2348.9	2332.1	2375.6	2511.8	2576.4	2423.3	2278.7	2231.0	2228.2	2274.5
37.5°	2669.0	2653.6	2618.5	2663.4	2785.6	2815.1	2646.6	2525.8	2492.1	2510.4	2556.7
40°	2902.1	2874.0	2827.7	2869.8	3029.9	3059.4	2851.6	2732.2	2719.6	2760.3	2823.5
42.5°	3086.0	3046.7	2984.9	2994.8	3123.9	3145.0	2961.1	2871.2	2879.6	2930.2	3001.8
45°	3168.9	3138.0	3083.2	3079.0	3160.4	3161.9	3017.2	2970.9	2993.4	3032.7	3088.8
47.5°	3204.0	3189.9	3159.0	3152.0	3198.4	3187.1	3097.3	3077.6	3098.7	3109.9	3142.2
50°	3291.0	3291.0	3295.2	3300.9	3348.6	3337.4	3274.2	3251.7	3225.0	3185.7	3195.5
52.5°	3535.3	3545.2	3585.9	3630.8	3717.8	3754.3	3651.9	3521.3	3393.5	3307.9	3307.9
55°	3976.2	3986.0	4033.7	4109.6	4269.6	4356.7	4118.0	3830.2	3654.7	3538.1	3553.6
57.5°	4219.1	4230.3	4328.6	4533.6	4843.9	4991.3	4478.8	4052.0	3806.3	3672.9	3684.1
58°	4203.6	4210.7	4321.6	4561.7	4907.0	5065.7	4504.1	4045.0	3786.6	3650.5	3664.5
60°	3734.7	3724.9	3901.8	4244.4	4731.5	4950.6	4252.8	3692.6	3392.1	3253.1	3260.1
62.5°	2441.6	2447.2	2600.2	2958.3	3337.4	3543.7	2970.9	2553.9	2312.4	2228.2	2207.1
65°	1019.3	1001.1	1095.1	1294.5	1522.0	1637.1	1406.8	1190.6	1041.8	985.6	1001.1
67.5°	262.6	255.5	261.1	327.1	400.1	473.2	397.3	303.3	264.0	266.8	266.8
70°	148.8	140.4	113.7	105.3	102.5	102.5	102.5	102.5	117.9	139.0	143.2
72.5°	112.3	105.3	82.8	71.6	63.2	59.0	61.8	71.6	85.6	103.9	106.7
75°	56.2	56.2	50.5	47.7	42.1	39.3	40.7	44.9	51.9	59.0	57.6
77.5°	11.2	12.6	14.0	16.8	14.0	14.0	14.0	16.8	16.8	18.3	16.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)