

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: P636748

Luminaire Tested: GWS-SA4B-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8843.6 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.4
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

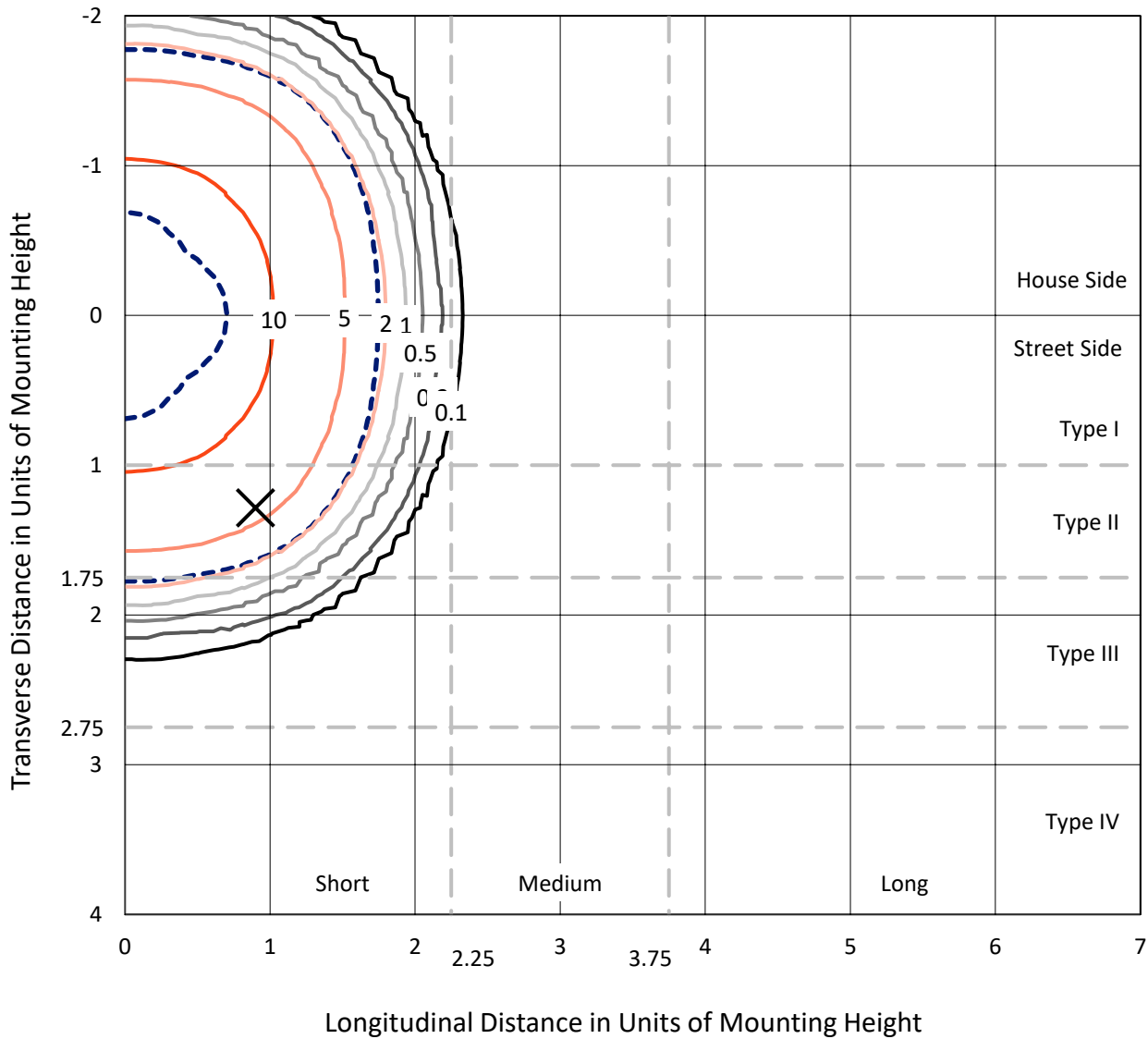


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Iso-Footcandle Lines of Horizontal Illumination

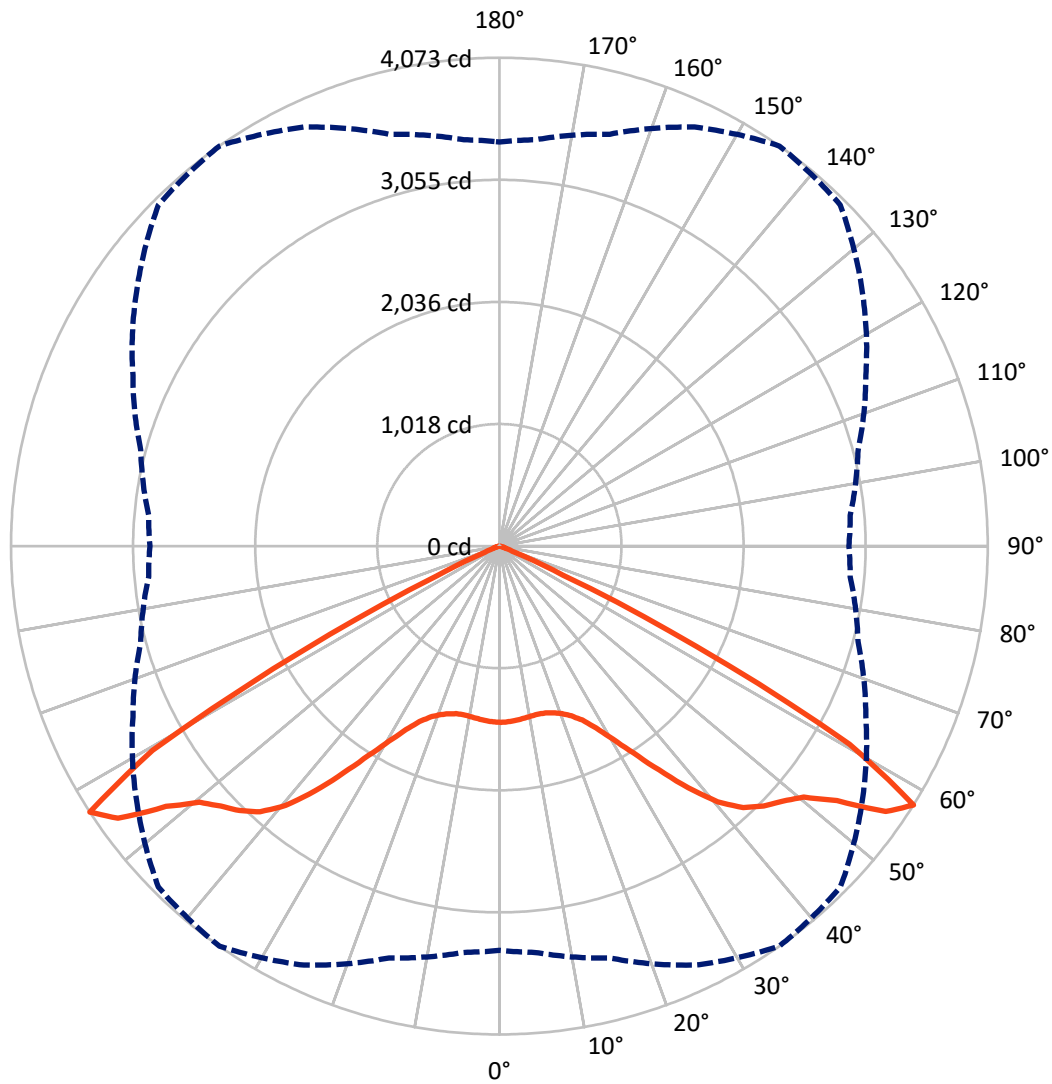
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4421.8	0.0	4421.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4421.8	0.0	4421.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8843.6	0.0	8843.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	1.6
10°-20°	407.5	4.6
20°-30°	736.6	8.3
30°-40°	1374.1	15.5
40°-50°	2305.1	26.1
50°-60°	3044.1	34.4
60°-70°	808.4	9.1
70°-80°	28.7	0.3
80°-90°	0.5	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°	8843.6	100.0
0°-180°	8843.6	100.0

Coefficient of Utilization



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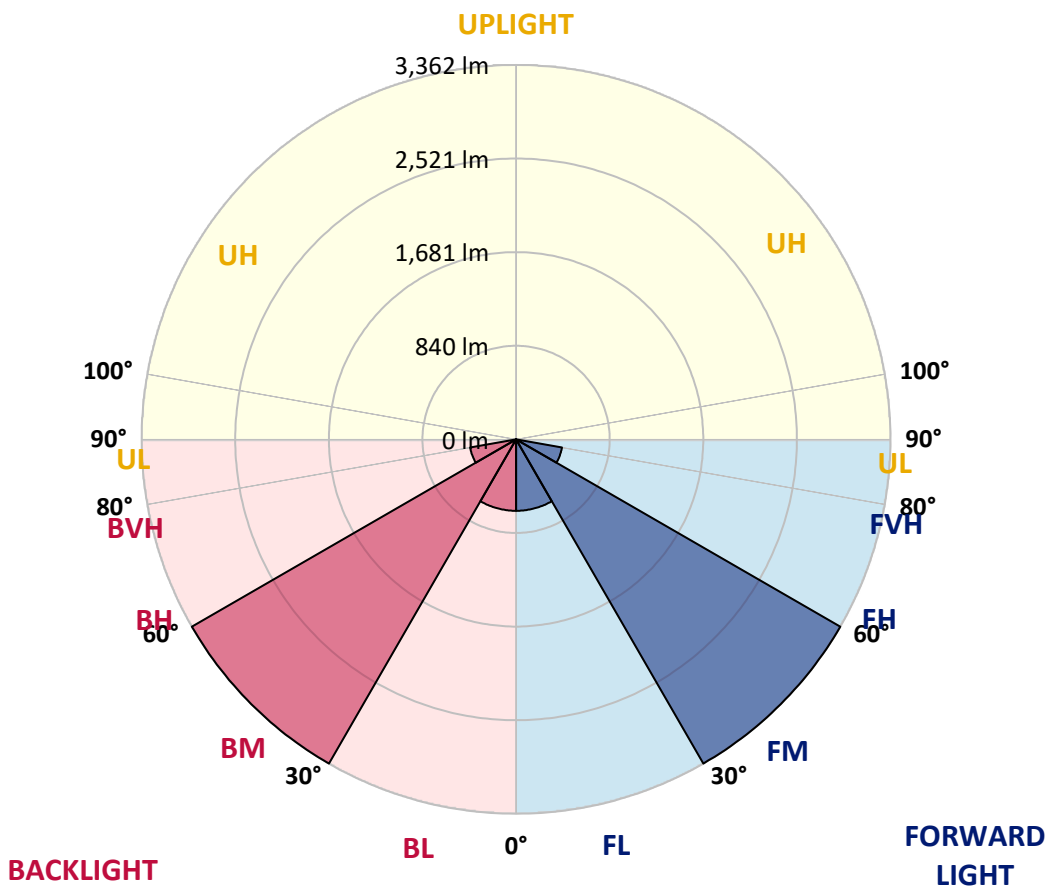
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.3	7.3			
FM (30°-60°)	3361.7	38.0			
FH (60°-80°)	418.6	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	641.3	7.3	B2/1000		
BM (30°-60°)	3361.7	38.0	B3/5000		
BH (60°-80°)	418.6	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3	1470.3
2.5°	1460.0	1458.9	1463.1	1466.2	1466.2	1473.4	1471.4	1469.3	1467.2	1464.1	1471.4
5°	1457.9	1456.8	1460.0	1462.0	1460.0	1466.2	1462.0	1457.9	1455.8	1451.7	1460.0
7.5°	1448.5	1449.6	1451.7	1453.7	1450.6	1455.8	1450.6	1444.4	1439.2	1435.0	1442.3
10°	1434.0	1435.0	1437.1	1441.3	1442.3	1449.6	1442.3	1430.9	1423.6	1417.4	1424.7
12.5°	1426.7	1427.8	1430.9	1436.1	1437.1	1446.5	1437.1	1420.5	1410.1	1402.9	1410.1
15°	1428.8	1430.9	1435.0	1441.3	1443.3	1452.7	1440.2	1418.4	1403.9	1394.6	1400.8
17.5°	1436.1	1438.2	1444.4	1454.8	1462.0	1471.4	1455.8	1427.8	1408.1	1394.6	1400.8
20°	1445.4	1448.5	1458.9	1475.5	1491.1	1507.7	1488.0	1449.6	1423.6	1407.0	1412.2
22.5°	1471.4	1474.5	1489.0	1510.8	1536.7	1557.5	1533.6	1484.9	1449.6	1427.8	1433.0
25°	1524.3	1527.4	1546.1	1574.1	1607.3	1634.3	1604.2	1543.0	1497.3	1472.4	1474.5
27.5°	1607.3	1610.4	1632.2	1671.6	1716.2	1754.6	1711.1	1639.5	1587.6	1558.5	1558.5
30°	1712.1	1716.2	1745.3	1798.2	1867.7	1918.6	1859.4	1772.3	1705.9	1666.4	1667.5
32.5°	1847.0	1842.8	1884.3	1957.0	2055.6	2123.0	2035.8	1930.0	1848.0	1793.0	1798.2
35°	2020.3	2019.2	2065.9	2164.5	2293.2	2374.1	2270.3	2133.4	2034.8	1978.8	1979.8
37.5°	2243.4	2242.3	2296.3	2403.2	2557.8	2625.2	2509.0	2370.0	2264.1	2210.2	2216.4
40°	2504.8	2498.6	2546.4	2649.1	2803.7	2847.3	2720.7	2608.6	2506.9	2472.7	2489.3
42.5°	2753.9	2740.4	2768.4	2861.8	2981.1	2987.3	2891.9	2815.1	2745.6	2718.6	2729.0
45°	2954.1	2943.8	2969.7	3023.7	3092.2	3061.0	3015.4	2991.5	2935.5	2906.4	2915.8
47.5°	3103.6	3103.6	3134.7	3167.9	3178.3	3121.2	3128.5	3128.5	3072.4	3026.8	3015.4
50°	3232.2	3241.6	3288.3	3322.5	3288.3	3215.6	3257.1	3248.8	3134.7	3043.4	3019.5
52.5°	3437.7	3447.0	3518.6	3565.3	3526.9	3455.3	3460.5	3356.7	3188.7	3080.7	3043.4
55°	3655.6	3678.4	3782.2	3906.7	3907.7	3834.1	3697.1	3513.4	3309.0	3191.8	3153.4
57.5°	3370.2	3401.4	3556.0	3855.8	4072.7	4021.9	3695.0	3372.3	3096.3	2936.5	2914.7
60°	2319.1	2373.1	2527.7	2937.5	3355.7	3375.4	2989.4	2627.3	2310.8	2113.7	2117.8
62.5°	979.5	1034.5	1121.7	1458.9	1842.8	1866.7	1679.9	1420.5	1162.2	1020.0	1041.8
65°	230.4	245.9	271.9	403.6	585.2	612.2	564.5	440.0	324.8	275.0	280.2
67.5°	100.7	102.7	97.5	103.8	128.7	131.8	127.6	112.1	105.8	107.9	107.9
70°	70.6	71.6	67.4	64.3	61.2	57.1	59.1	65.4	70.6	74.7	73.7
72.5°	43.6	44.6	45.7	45.7	42.5	38.4	40.5	44.6	45.7	46.7	45.7
75°	21.8	22.8	24.9	25.9	24.9	23.9	23.9	24.9	24.9	23.9	23.9
77.5°	4.2	5.2	7.3	8.3	8.3	8.3	8.3	8.3	9.3	8.3	8.3
80°	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)