

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: P637304

Luminaire Tested: GWS-SA4C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637304
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10449.6 lumens
Efficiency: N/A
Efficacy: 81.3 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

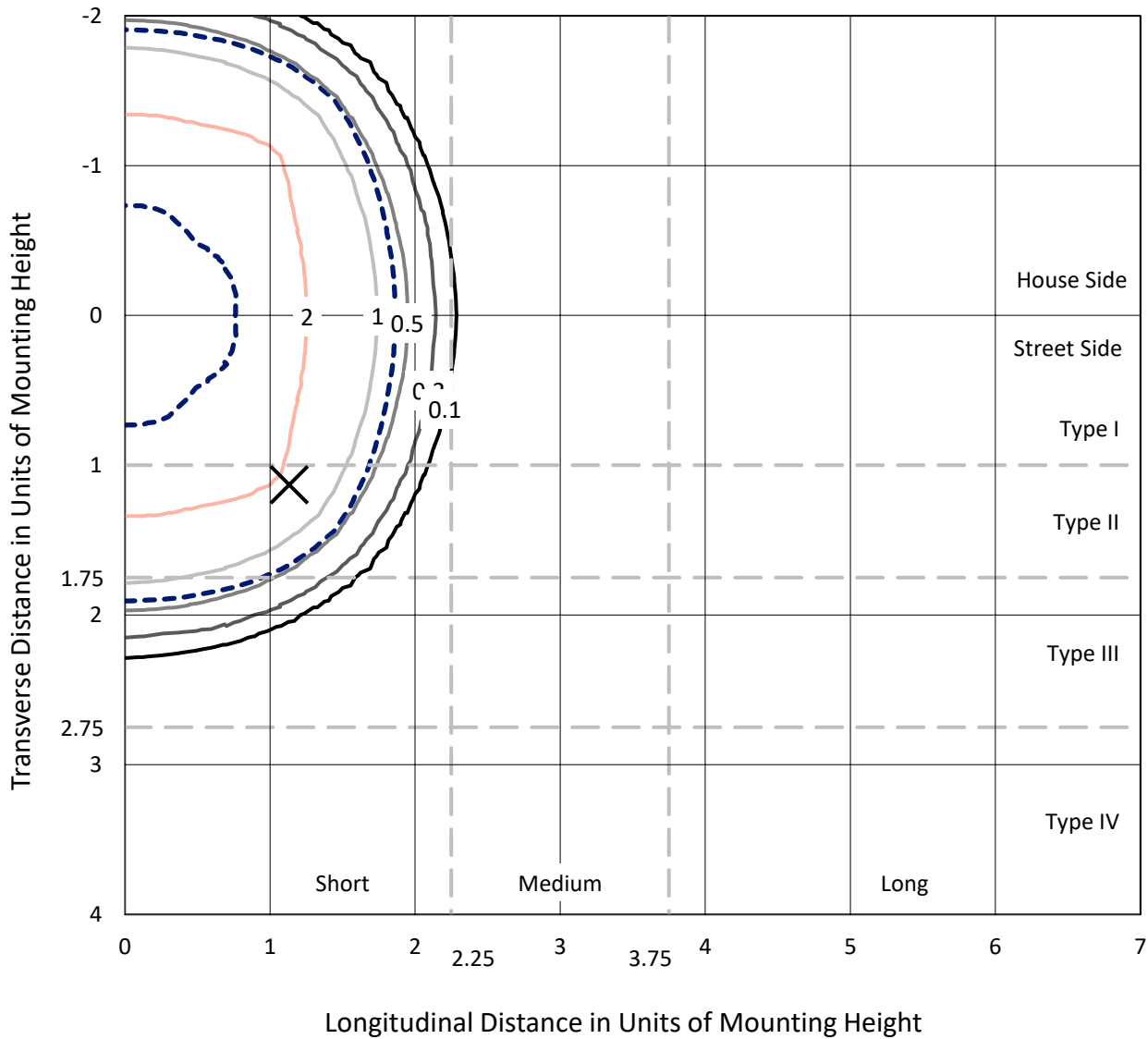


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Iso-Footcandle Lines of Horizontal Illumination

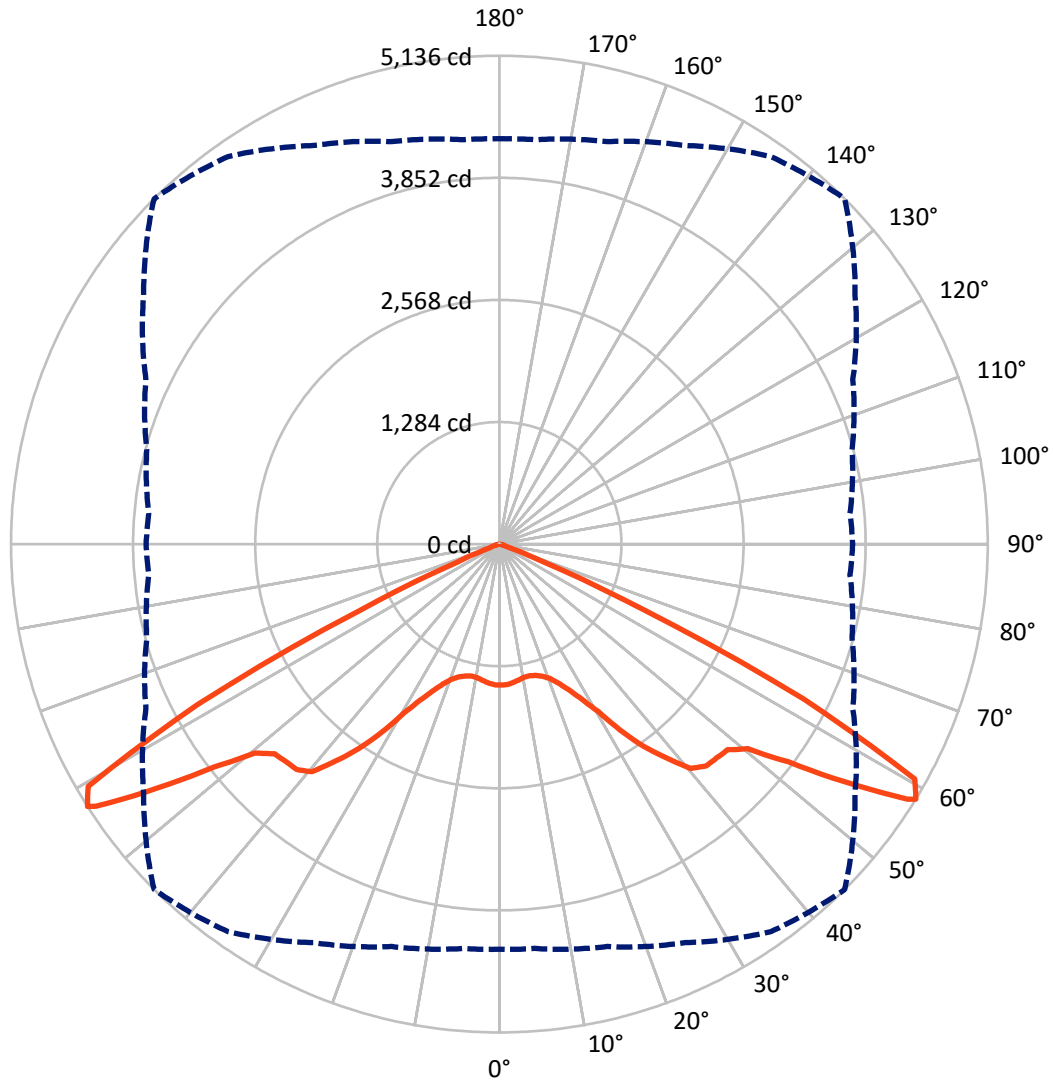
✕ Max cd
 - - - 1/2 Max cd



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	5224.8	0.0	5224.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5224.8	0.0	5224.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10449.6	0.0	10449.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	1.3
10°-20°	409.1	3.9
20°-30°	773.7	7.4
30°-40°	1526.0	14.6
40°-50°	2414.9	23.1
50°-60°	3549.7	34.0
60°-70°	1584.4	15.2
70°-80°	53.1	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°	10449.6	100.0
0°-180°	10449.6	100.0

Coefficient of Utilization



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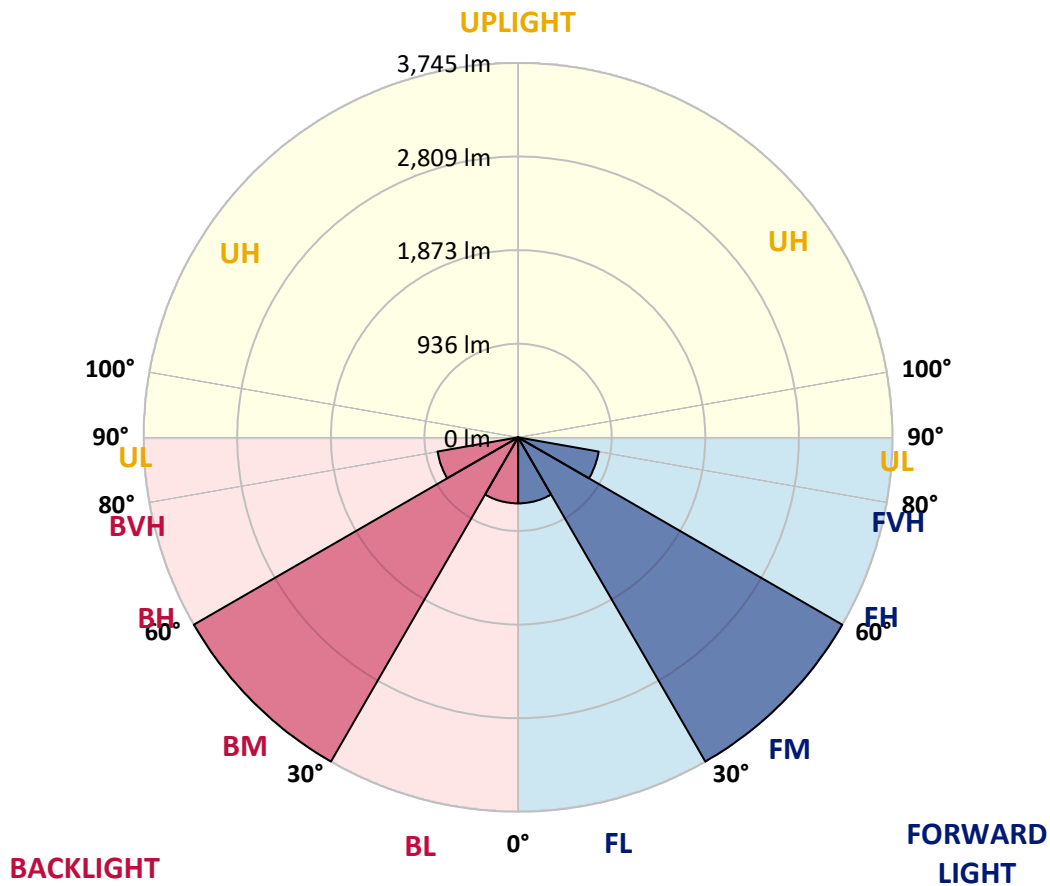
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.6	6.3			
FM (30°-60°)	3745.3	35.8			
FH (60°-80°)	818.8	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	660.6	6.3	B2/1000		
BM (30°-60°)	3745.3	35.8	B3/5000		
BH (60°-80°)	818.8	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°	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9	1481.9
2.5°	1467.7	1470.5	1473.4	1474.8	1476.2	1480.5	1481.9	1477.6	1477.6	1469.1	1479.0
5°	1460.5	1463.4	1466.2	1464.8	1464.8	1464.8	1463.4	1457.7	1456.3	1447.7	1457.7
7.5°	1447.7	1450.6	1450.6	1446.3	1443.5	1443.5	1442.0	1434.9	1433.5	1425.0	1434.9
10°	1437.8	1439.2	1437.8	1429.2	1423.5	1423.5	1422.1	1419.3	1420.7	1415.0	1423.5
12.5°	1443.5	1444.9	1439.2	1427.8	1420.7	1419.3	1415.0	1410.7	1415.0	1413.6	1422.1
15°	1462.0	1463.4	1453.4	1439.2	1433.5	1433.5	1422.1	1410.7	1416.4	1417.8	1427.8
17.5°	1484.7	1484.7	1471.9	1459.1	1460.5	1460.5	1442.0	1422.1	1423.5	1429.2	1439.2
20°	1511.8	1511.8	1499.0	1496.1	1506.1	1507.5	1484.7	1453.4	1446.3	1450.6	1462.0
22.5°	1560.2	1560.2	1550.2	1557.3	1580.1	1587.2	1553.1	1508.9	1491.9	1494.7	1506.1
25°	1635.6	1635.6	1632.8	1649.9	1682.6	1698.3	1652.7	1594.4	1565.9	1561.6	1574.4
27.5°	1762.3	1763.8	1759.5	1785.1	1826.4	1844.9	1782.3	1705.4	1671.2	1664.1	1676.9
30°	1926.0	1926.0	1927.5	1963.0	2017.1	2041.3	1958.8	1869.1	1829.2	1806.5	1823.5
32.5°	2108.2	2111.1	2125.3	2185.1	2280.5	2330.3	2209.3	2084.0	2020.0	1995.8	2014.3
35°	2408.6	2381.6	2364.5	2408.6	2546.7	2612.2	2457.0	2310.4	2262.0	2259.1	2306.1
37.5°	2706.1	2690.5	2654.9	2700.4	2824.3	2854.2	2683.3	2560.9	2526.8	2545.3	2592.2
40°	2942.4	2914.0	2867.0	2909.7	3072.0	3101.9	2891.2	2770.2	2757.4	2798.7	2862.7
42.5°	3128.9	3089.1	3026.4	3036.4	3167.3	3188.7	3002.2	2911.1	2919.7	2970.9	3043.5
45°	3212.9	3181.6	3126.1	3121.8	3204.4	3205.8	3059.2	3012.2	3035.0	3074.8	3131.8
47.5°	3248.5	3234.3	3202.9	3195.8	3242.8	3231.4	3140.3	3120.4	3141.7	3153.1	3185.9
50°	3336.7	3336.7	3341.0	3346.7	3395.1	3383.7	3319.7	3296.9	3269.8	3230.0	3239.9
52.5°	3584.4	3594.4	3635.7	3681.2	3769.5	3806.5	3702.6	3570.2	3440.7	3353.8	3353.8
55°	4031.4	4041.4	4089.8	4166.7	4328.9	4417.2	4175.2	3883.4	3705.4	3587.3	3602.9
57.5°	4277.7	4289.1	4388.7	4596.6	4911.2	5060.6	4541.1	4108.3	3859.2	3723.9	3735.3
58°	4262.0	4269.2	4381.6	4625.0	4975.2	5136.1	4566.7	4101.2	3839.3	3701.2	3715.4
60°	3786.6	3776.6	3956.0	4303.3	4797.3	5019.4	4311.9	3743.9	3439.2	3298.3	3305.4
62.5°	2475.5	2481.2	2636.4	2999.4	3383.7	3593.0	3012.2	2589.4	2344.6	2259.1	2237.8
65°	1033.5	1015.0	1110.4	1312.5	1543.1	1659.8	1426.4	1207.2	1056.3	999.3	1015.0
67.5°	266.2	259.1	264.8	331.7	405.7	479.7	402.9	307.5	267.6	270.5	270.5
70°	150.9	142.4	115.3	106.8	103.9	103.9	103.9	103.9	119.6	140.9	145.2
72.5°	113.9	106.8	84.0	72.6	64.1	59.8	62.6	72.6	86.8	105.3	108.2
75°	56.9	56.9	51.2	48.4	42.7	39.9	41.3	45.6	52.7	59.8	58.4
77.5°	11.4	12.8	14.2	17.1	14.2	14.2	14.2	17.1	17.1	18.5	17.1
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)