

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: P634823

Luminaire Tested: GWS-SA3C-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634823
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-SA3C-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8718.3 lumens
Efficiency: N/A
Efficacy: 93.7 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

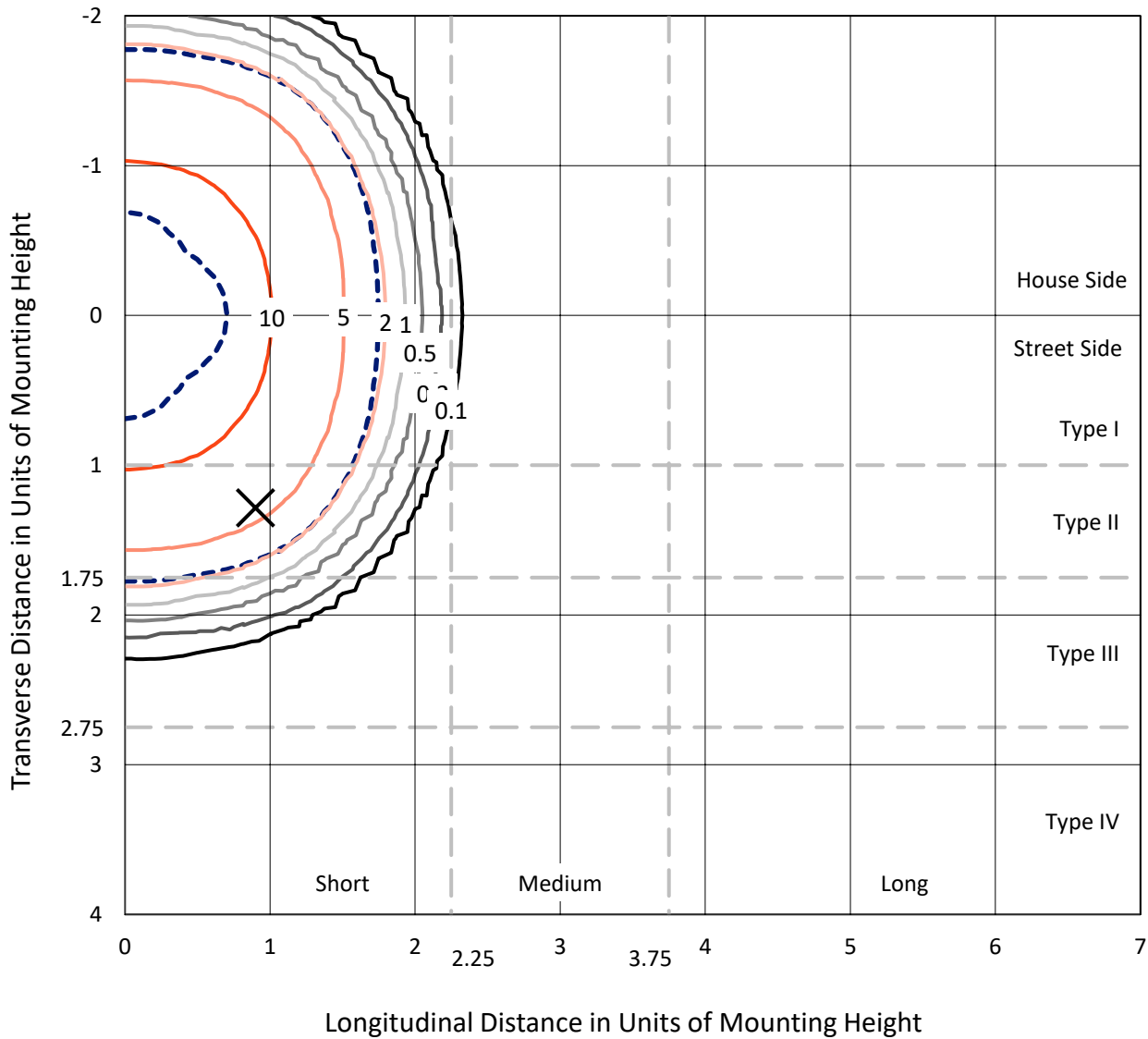


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Iso-Footcandle Lines of Horizontal Illumination

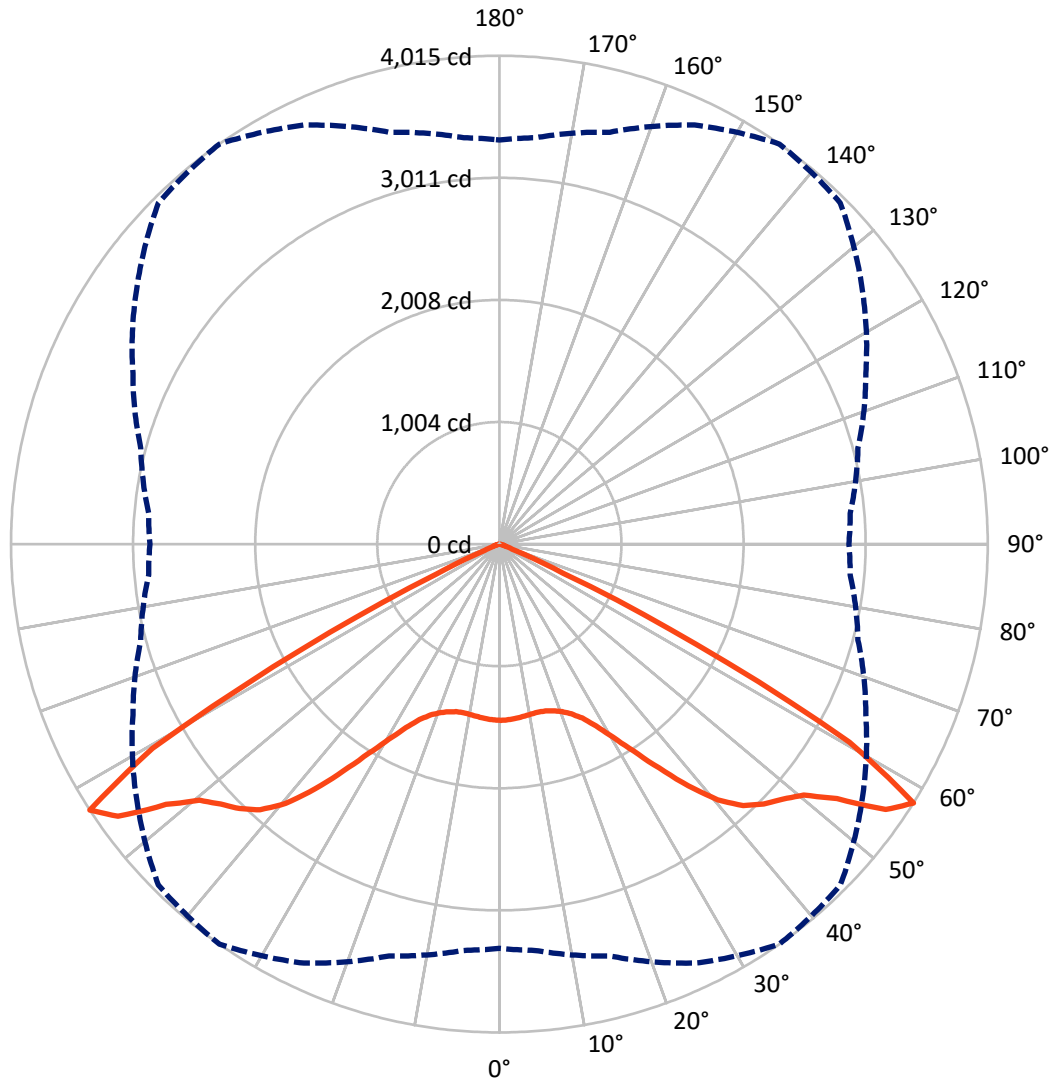
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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	4359.1	0.0	4359.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4359.1	0.0	4359.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8718.3	0.0	8718.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	1.6
10°-20°	401.7	4.6
20°-30°	726.1	8.3
30°-40°	1354.6	15.5
40°-50°	2272.4	26.1
50°-60°	3001.0	34.4
60°-70°	797.0	9.1
70°-80°	28.3	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°	8718.3	100.0
0°-180°	8718.3	100.0

Coefficient of Utilization



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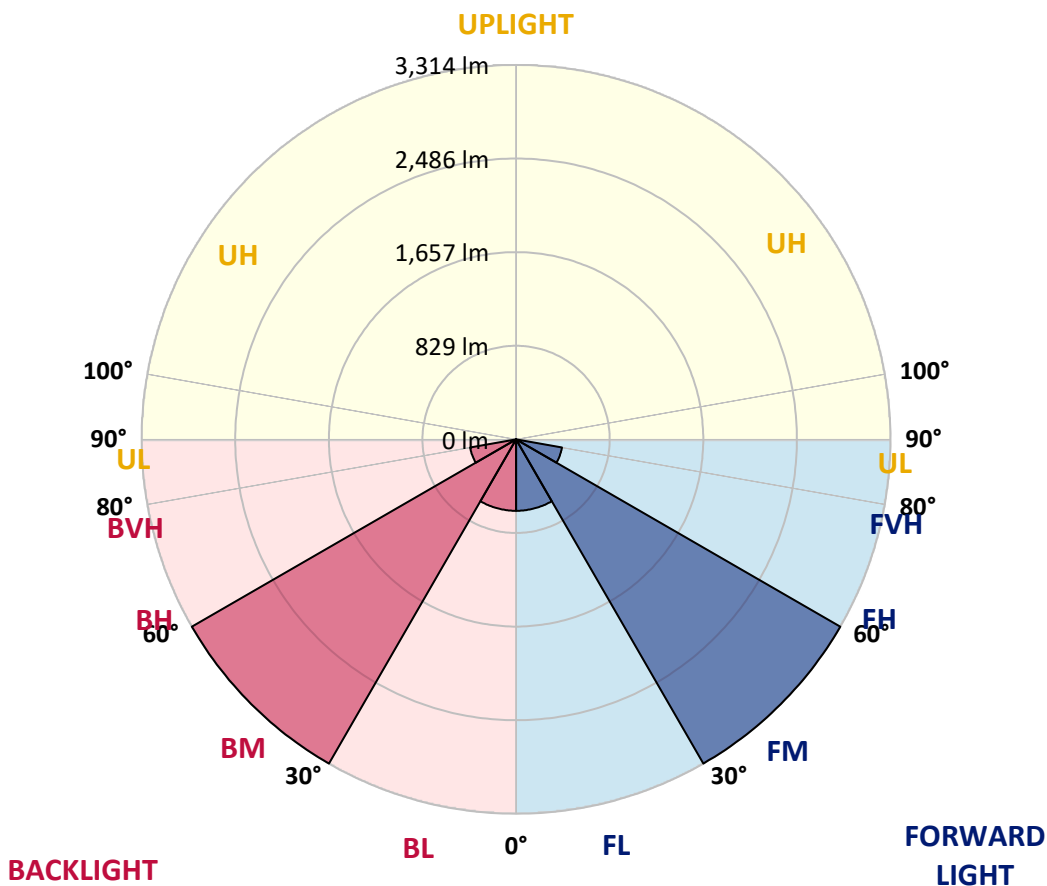
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.2	7.3			
FM (30°-60°)	3314.0	38.0			
FH (60°-80°)	412.7	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	632.2	7.3	B2/1000		
BM (30°-60°)	3314.0	38.0	B3/5000		
BH (60°-80°)	412.7	4.7	B1/500		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5	1449.5
2.5°	1439.3	1438.2	1442.3	1445.4	1445.4	1452.6	1450.5	1448.5	1446.4	1443.4	1450.5
5°	1437.2	1436.2	1439.3	1441.3	1439.3	1445.4	1441.3	1437.2	1435.2	1431.1	1439.3
7.5°	1428.0	1429.0	1431.1	1433.1	1430.1	1435.2	1430.1	1423.9	1418.8	1414.7	1421.9
10°	1413.7	1414.7	1416.8	1420.9	1421.9	1429.0	1421.9	1410.6	1403.5	1397.3	1404.5
12.5°	1406.5	1407.6	1410.6	1415.7	1416.8	1426.0	1416.8	1400.4	1390.2	1383.0	1390.2
15°	1408.6	1410.6	1414.7	1420.9	1422.9	1432.1	1419.8	1398.3	1384.0	1374.8	1381.0
17.5°	1415.7	1417.8	1423.9	1434.2	1441.3	1450.5	1435.2	1407.6	1388.1	1374.8	1381.0
20°	1424.9	1428.0	1438.2	1454.6	1470.0	1486.3	1466.9	1429.0	1403.5	1387.1	1392.2
22.5°	1450.5	1453.6	1467.9	1489.4	1515.0	1535.4	1511.9	1463.8	1429.0	1407.6	1412.7
25°	1502.7	1505.8	1524.2	1551.8	1584.5	1611.1	1581.5	1521.1	1476.1	1451.5	1453.6
27.5°	1584.5	1587.6	1609.1	1647.9	1691.9	1729.8	1686.8	1616.2	1565.1	1536.4	1536.4
30°	1687.8	1691.9	1720.6	1772.7	1841.3	1891.4	1833.1	1747.2	1681.7	1642.8	1643.9
32.5°	1820.8	1816.7	1857.6	1929.3	2026.4	2092.9	2007.0	1902.7	1821.8	1767.6	1772.7
35°	1991.7	1990.6	2036.7	2133.8	2260.7	2340.5	2238.2	2103.1	2006.0	1950.7	1951.8
37.5°	2211.6	2210.6	2263.8	2369.1	2521.5	2588.0	2473.5	2336.4	2232.0	2178.8	2185.0
40°	2469.4	2463.2	2510.3	2611.5	2764.0	2806.9	2682.1	2571.7	2471.4	2437.6	2454.0
42.5°	2714.9	2701.6	2729.2	2821.2	2938.9	2945.0	2850.9	2775.2	2706.7	2680.1	2690.3
45°	2912.3	2902.1	2927.6	2980.8	3048.3	3017.7	2972.6	2949.1	2893.9	2865.2	2874.4
47.5°	3059.6	3059.6	3090.3	3123.0	3133.2	3077.0	3084.1	3084.1	3028.9	2983.9	2972.6
50°	3186.4	3195.6	3241.7	3275.4	3241.7	3170.1	3211.0	3202.8	3090.3	3000.3	2976.7
52.5°	3389.0	3398.2	3468.8	3514.8	3476.9	3406.4	3411.5	3309.2	3143.5	3037.1	3000.3
55°	3603.8	3626.3	3728.6	3851.3	3852.4	3779.7	3644.7	3463.7	3262.1	3146.5	3108.7
57.5°	3322.5	3353.2	3505.6	3801.2	4015.0	3964.9	3642.7	3324.5	3052.4	2894.9	2873.4
60°	2286.3	2339.4	2491.9	2895.9	3308.2	3327.6	2947.1	2590.1	2278.1	2083.7	2087.8
62.5°	965.6	1019.9	1105.8	1438.2	1816.7	1840.3	1656.1	1400.4	1145.7	1005.5	1027.0
65°	227.1	242.4	268.0	397.9	576.9	603.5	556.5	433.7	320.2	271.1	276.2
67.5°	99.2	101.3	96.2	102.3	126.8	129.9	125.8	110.5	104.3	106.4	106.4
70°	69.6	70.6	66.5	63.4	60.4	56.3	58.3	64.4	69.6	73.7	72.6
72.5°	43.0	44.0	45.0	45.0	41.9	37.8	39.9	44.0	45.0	46.0	45.0
75°	21.5	22.5	24.6	25.6	24.6	23.5	23.5	24.6	24.6	23.5	23.5
77.5°	4.1	5.1	7.2	8.2	8.2	8.2	8.2	8.2	9.2	8.2	8.2
80°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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)