

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: P634768

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634768
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8523 lumens
Efficiency: N/A
Efficacy: 91.6 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

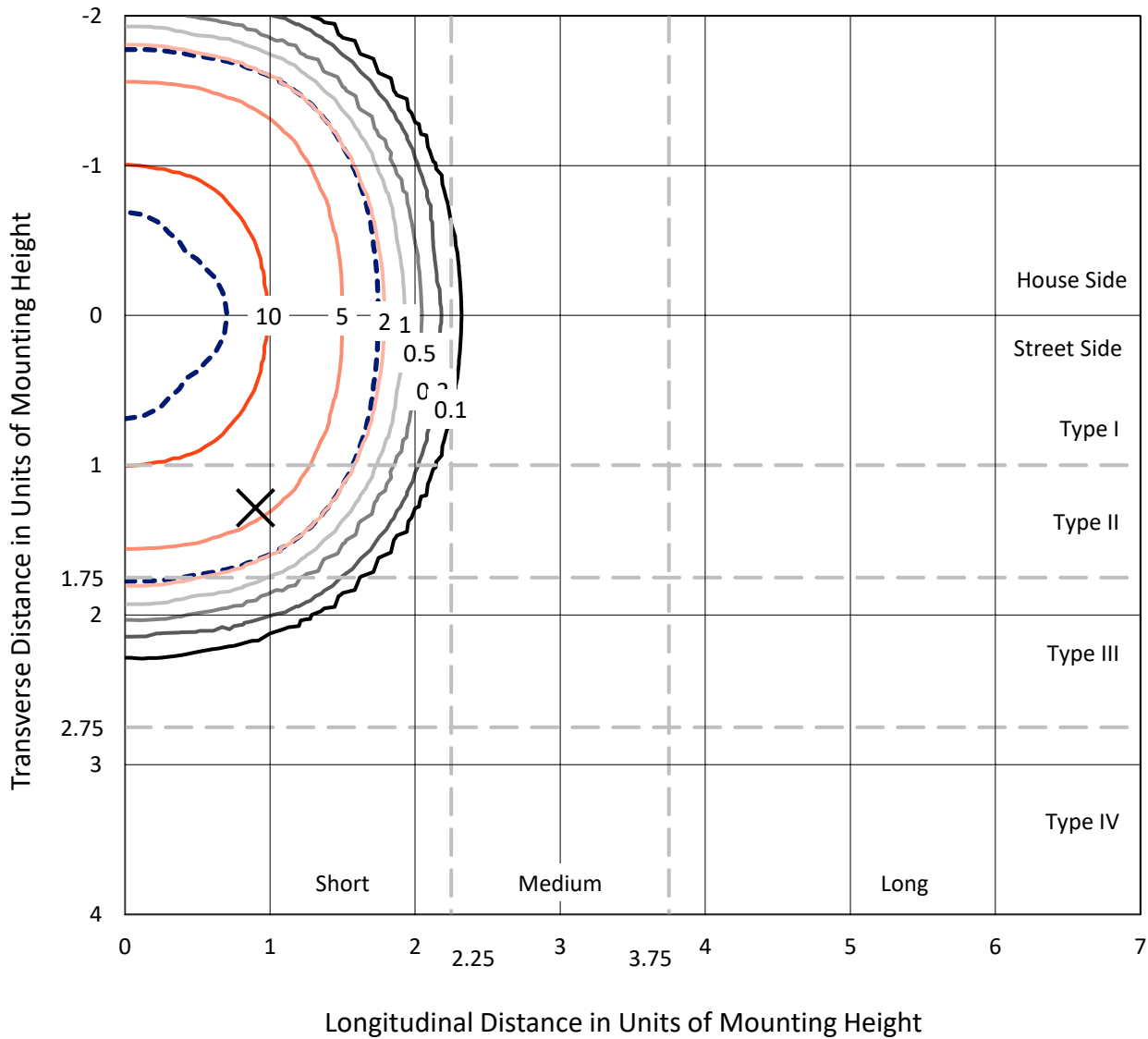


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Iso-Footcandle Lines of Horizontal Illumination

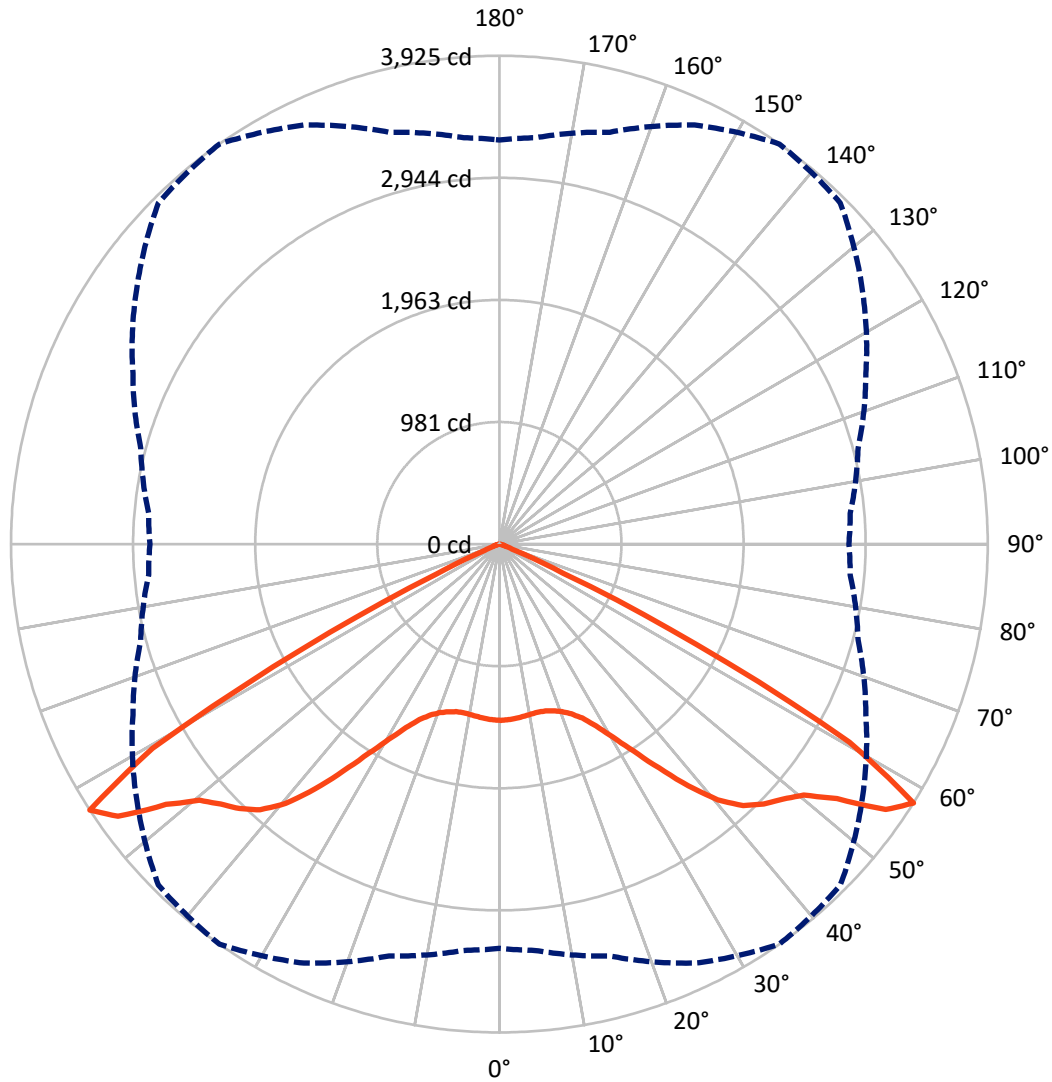
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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	4261.5	0.0	4261.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4261.5	0.0	4261.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8523.0	0.0	8523.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	1.6
10°-20°	392.7	4.6
20°-30°	709.8	8.3
30°-40°	1324.3	15.5
40°-50°	2221.6	26.1
50°-60°	2933.8	34.4
60°-70°	779.1	9.1
70°-80°	27.7	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°	8523.0	100.0
0°-180°	8523.0	100.0

Coefficient of Utilization



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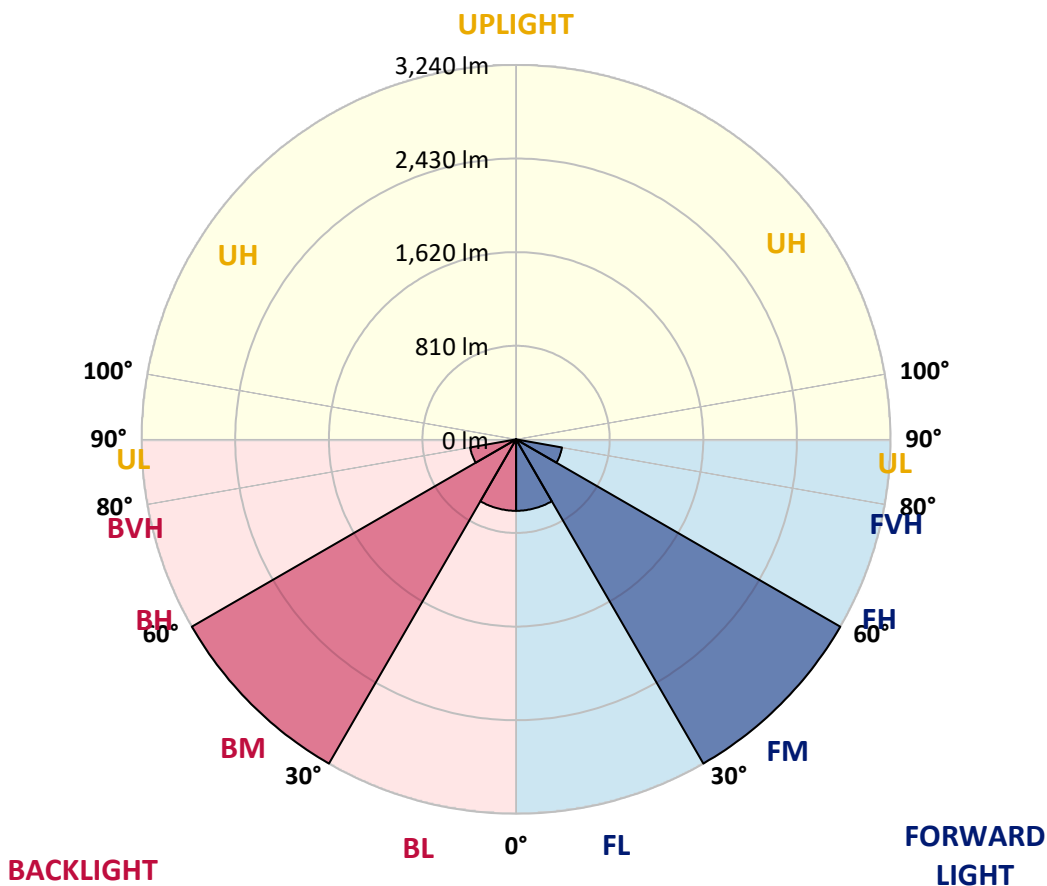
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.0	7.3			
FM (30°-60°)	3239.8	38.0			
FH (60°-80°)	403.4	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	618.0	7.3	B2/1000		
BM (30°-60°)	3239.8	38.0	B3/5000		
BH (60°-80°)	403.4	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°	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0	1417.0
2.5°	1407.0	1406.0	1410.0	1413.0	1413.0	1420.0	1418.0	1416.0	1414.0	1411.0	1418.0
5°	1405.0	1404.0	1407.0	1409.0	1407.0	1413.0	1409.0	1405.0	1403.0	1399.0	1407.0
7.5°	1396.0	1397.0	1399.0	1401.0	1398.0	1403.0	1398.0	1392.0	1387.0	1383.0	1390.0
10°	1382.0	1383.0	1385.0	1389.0	1390.0	1397.0	1390.0	1379.0	1372.0	1366.0	1373.0
12.5°	1375.0	1376.0	1379.0	1384.0	1385.0	1394.0	1385.0	1369.0	1359.0	1352.0	1359.0
15°	1377.0	1379.0	1383.0	1389.0	1391.0	1400.0	1388.0	1367.0	1353.0	1344.0	1350.0
17.5°	1384.0	1386.0	1392.0	1402.0	1409.0	1418.0	1403.0	1376.0	1357.0	1344.0	1350.0
20°	1393.0	1396.0	1406.0	1422.0	1437.0	1453.0	1434.0	1397.0	1372.0	1356.0	1361.0
22.5°	1418.0	1421.0	1435.0	1456.0	1481.0	1501.0	1478.0	1431.0	1397.0	1376.0	1381.0
25°	1469.0	1472.0	1490.0	1517.0	1549.0	1575.0	1546.0	1487.0	1443.0	1419.0	1421.0
27.5°	1549.0	1552.0	1573.0	1611.0	1654.0	1691.0	1649.0	1580.0	1530.0	1502.0	1502.0
30°	1650.0	1654.0	1682.0	1733.0	1800.0	1849.0	1792.0	1708.0	1644.0	1606.0	1607.0
32.5°	1780.0	1776.0	1816.0	1886.0	1981.0	2046.0	1962.0	1860.0	1781.0	1728.0	1733.0
35°	1947.0	1946.0	1991.0	2086.0	2210.0	2288.0	2188.0	2056.0	1961.0	1907.0	1908.0
37.5°	2162.0	2161.0	2213.0	2316.0	2465.0	2530.0	2418.0	2284.0	2182.0	2130.0	2136.0
40°	2414.0	2408.0	2454.0	2553.0	2702.0	2744.0	2622.0	2514.0	2416.0	2383.0	2399.0
42.5°	2654.0	2641.0	2668.0	2758.0	2873.1	2879.1	2787.1	2713.0	2646.0	2620.0	2630.0
45°	2847.1	2837.1	2862.1	2914.1	2980.1	2950.1	2906.1	2883.1	2829.1	2801.1	2810.1
47.5°	2991.1	2991.1	3021.1	3053.1	3063.1	3008.1	3015.1	3015.1	2961.1	2917.1	2906.1
50°	3115.1	3124.1	3169.1	3202.1	3169.1	3099.1	3139.1	3131.1	3021.1	2933.1	2910.1
52.5°	3313.1	3322.1	3391.1	3436.1	3399.1	3330.1	3335.1	3235.1	3073.1	2969.1	2933.1
55°	3523.1	3545.1	3645.1	3765.1	3766.1	3695.1	3563.1	3386.1	3189.1	3076.1	3039.1
57.5°	3248.1	3278.1	3427.1	3716.1	3925.1	3876.1	3561.1	3250.1	2984.1	2830.1	2809.1
60°	2235.0	2287.0	2436.0	2831.1	3234.1	3253.1	2881.1	2532.0	2227.0	2037.0	2041.0
62.5°	944.0	997.0	1081.0	1406.0	1776.0	1799.0	1619.0	1369.0	1120.0	983.0	1004.0
65°	222.0	237.0	262.0	389.0	564.0	590.0	544.0	424.0	313.0	265.0	270.0
67.5°	97.0	99.0	94.0	100.0	124.0	127.0	123.0	108.0	102.0	104.0	104.0
70°	68.0	69.0	65.0	62.0	59.0	55.0	57.0	63.0	68.0	72.0	71.0
72.5°	42.0	43.0	44.0	44.0	41.0	37.0	39.0	43.0	44.0	45.0	44.0
75°	21.0	22.0	24.0	25.0	24.0	23.0	23.0	24.0	24.0	23.0	23.0
77.5°	4.0	5.0	7.0	8.0	8.0	8.0	8.0	8.0	9.0	8.0	8.0
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)