

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: P639944

Luminaire Tested: GWS-SA5C-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639944
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-SA5C-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9954.8 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 157.5
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

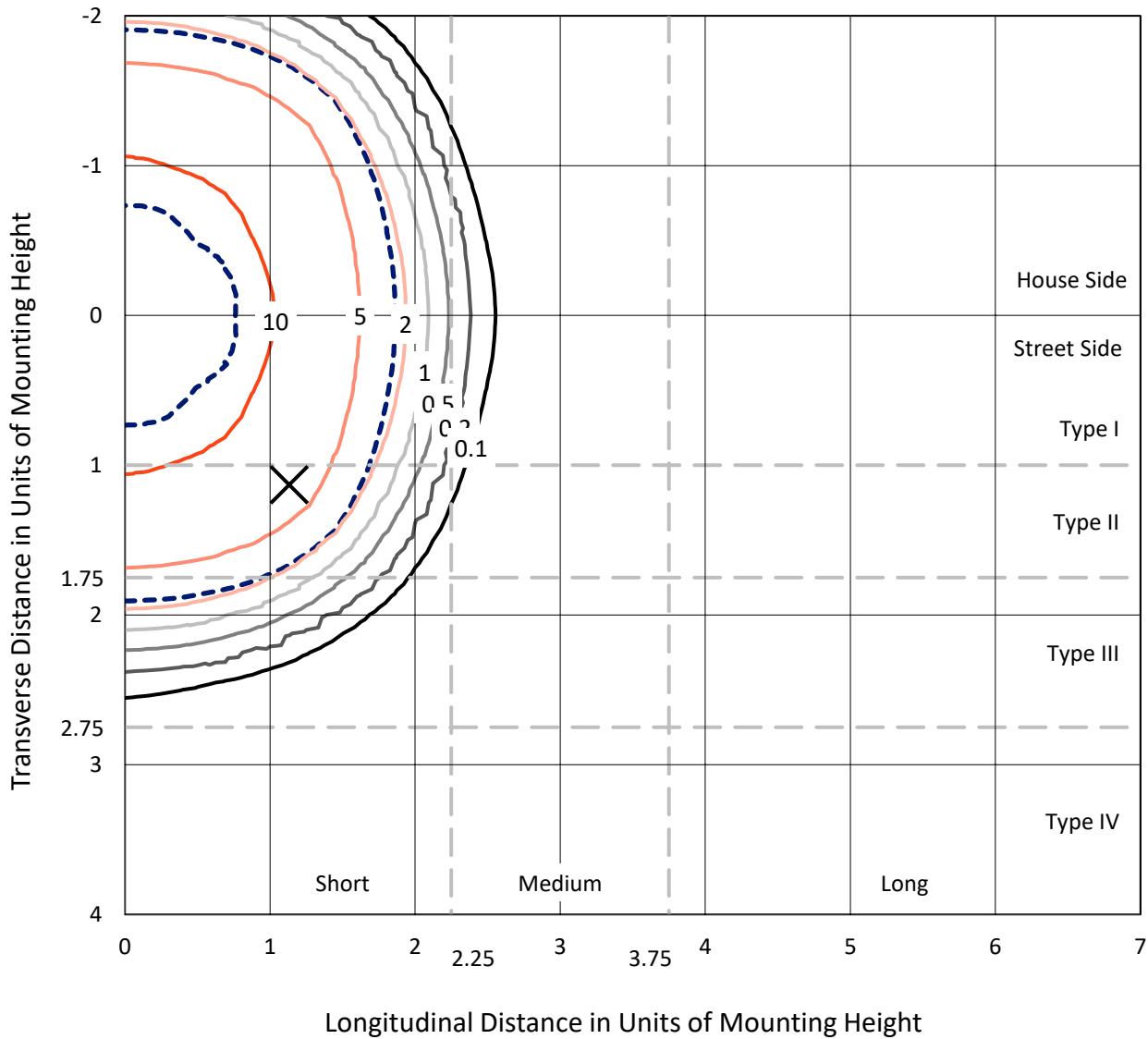


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Iso-Footcandle Lines of Horizontal Illumination

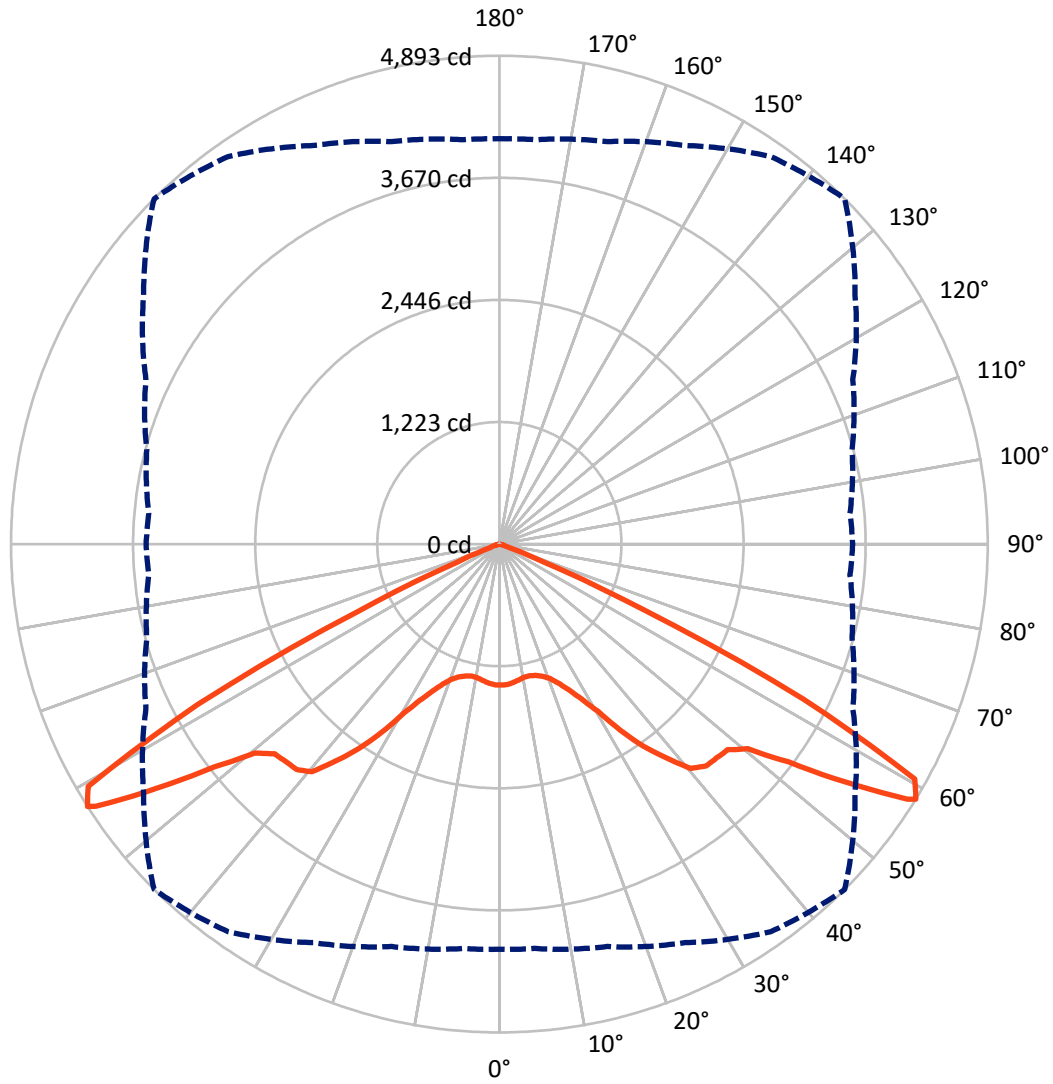
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 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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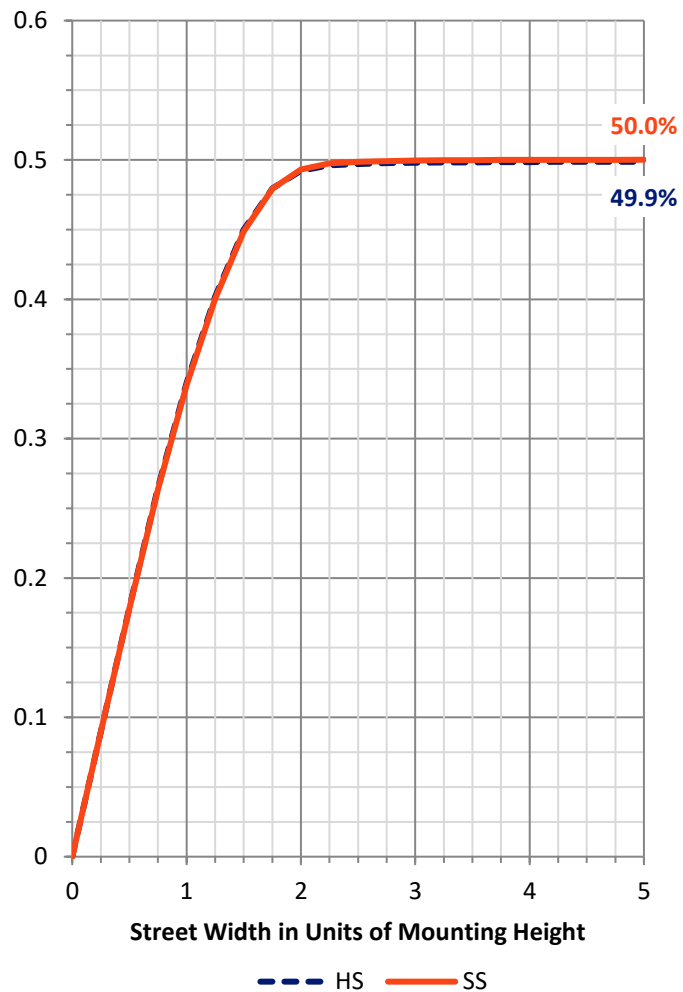
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4977.4	0.0	4977.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4977.4	0.0	4977.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9954.8	0.0	9954.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	1.3
10°-20°	389.7	3.9
20°-30°	737.1	7.4
30°-40°	1453.7	14.6
40°-50°	2300.5	23.1
50°-60°	3381.6	34.0
60°-70°	1509.4	15.2
70°-80°	50.6	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°	9954.8	100.0
0°-180°	9954.8	100.0

Coefficient of Utilization



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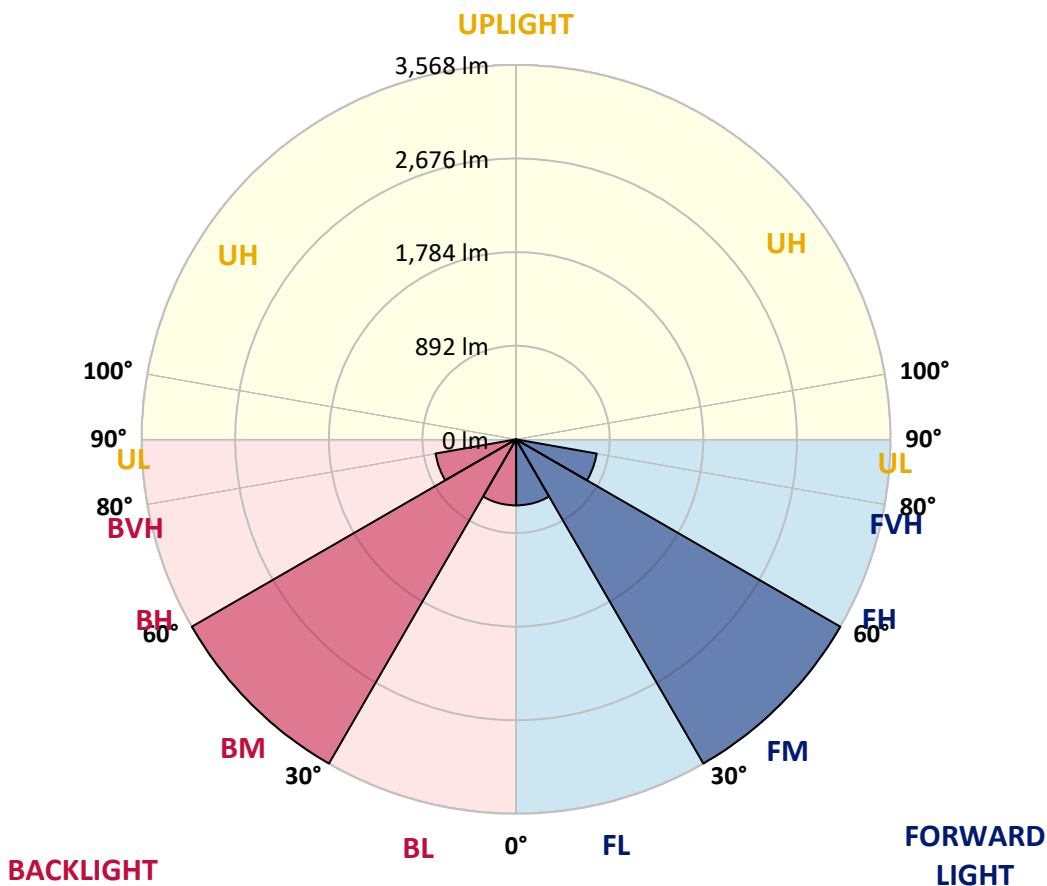
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	629.3	6.3			
FM (30°-60°)	3567.9	35.8			
FH (60°-80°)	780.0	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	629.3	6.3	B2/1000		
BM (30°-60°)	3567.9	35.8	B3/5000		
BH (60°-80°)	780.0	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°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7
2.5°	1398.2	1400.9	1403.6	1404.9	1406.3	1410.4	1411.7	1407.7	1407.7	1399.5	1409.0
5°	1391.4	1394.1	1396.8	1395.4	1395.4	1395.4	1394.1	1388.7	1387.3	1379.2	1388.7
7.5°	1379.2	1381.9	1381.9	1377.8	1375.1	1375.1	1373.8	1367.0	1365.6	1357.5	1367.0
10°	1369.7	1371.0	1369.7	1361.5	1356.1	1356.1	1354.8	1352.1	1353.4	1348.0	1356.1
12.5°	1375.1	1376.5	1371.0	1360.2	1353.4	1352.1	1348.0	1343.9	1348.0	1346.6	1354.8
15°	1392.7	1394.1	1384.6	1371.0	1365.6	1365.6	1354.8	1343.9	1349.3	1350.7	1360.2
17.5°	1414.4	1414.4	1402.2	1390.0	1391.4	1391.4	1373.8	1354.8	1356.1	1361.5	1371.0
20°	1440.2	1440.2	1428.0	1425.3	1434.8	1436.1	1414.4	1384.6	1377.8	1381.9	1392.7
22.5°	1486.3	1486.3	1476.8	1483.6	1505.3	1512.1	1479.5	1437.5	1421.2	1423.9	1434.8
25°	1558.2	1558.2	1555.5	1571.7	1602.9	1617.9	1574.5	1518.9	1491.7	1487.7	1499.9
27.5°	1678.9	1680.2	1676.2	1700.6	1739.9	1757.5	1697.9	1624.6	1592.1	1585.3	1597.5
30°	1834.8	1834.8	1836.2	1870.1	1921.6	1944.7	1866.0	1780.6	1742.6	1720.9	1737.2
32.5°	2008.4	2011.1	2024.7	2081.6	2172.5	2220.0	2104.7	1985.4	1924.3	1901.3	1918.9
35°	2294.6	2268.8	2252.5	2294.6	2426.1	2488.5	2340.7	2201.0	2154.9	2152.2	2196.9
37.5°	2578.0	2563.1	2529.2	2572.6	2690.5	2719.0	2556.3	2439.7	2407.1	2424.7	2469.5
40°	2803.1	2776.0	2731.2	2771.9	2926.5	2955.0	2754.3	2639.0	2626.8	2666.1	2727.2
42.5°	2980.8	2942.8	2883.1	2892.6	3017.4	3037.7	2860.1	2773.3	2781.4	2830.2	2899.4
45°	3060.8	3030.9	2978.0	2974.0	3052.6	3054.0	2914.3	2869.6	2891.3	2929.2	2983.5
47.5°	3094.7	3081.1	3051.3	3044.5	3089.2	3078.4	2991.6	2972.6	2993.0	3003.8	3035.0
50°	3178.8	3178.8	3182.8	3188.2	3234.4	3223.5	3162.5	3140.8	3115.0	3077.0	3086.5
52.5°	3414.7	3424.2	3463.5	3506.9	3591.0	3626.3	3527.3	3401.2	3277.7	3195.0	3195.0
55°	3840.5	3850.0	3896.1	3969.4	4124.0	4208.0	3977.5	3699.5	3530.0	3417.4	3432.3
57.5°	4075.1	4086.0	4180.9	4378.9	4678.6	4821.0	4326.0	3913.8	3676.4	3547.6	3558.5
58°	4060.2	4067.0	4174.1	4406.0	4739.6	4892.9	4350.4	3907.0	3657.5	3525.9	3539.5
60°	3607.3	3597.8	3768.7	4099.6	4570.1	4781.7	4107.7	3566.6	3276.4	3142.1	3148.9
62.5°	2358.3	2363.7	2511.5	2857.3	3223.5	3422.9	2869.6	2466.8	2233.5	2152.2	2131.8
65°	984.5	966.9	1057.8	1250.3	1470.0	1581.2	1358.8	1150.0	1006.2	952.0	966.9
67.5°	253.6	246.8	252.2	316.0	386.5	457.0	383.8	292.9	255.0	257.7	257.7
70°	143.7	135.6	109.8	101.7	99.0	99.0	99.0	99.0	113.9	134.3	138.3
72.5°	108.5	101.7	80.0	69.2	61.0	57.0	59.7	69.2	82.7	100.4	103.1
75°	54.2	54.2	48.8	46.1	40.7	38.0	39.3	43.4	50.2	57.0	55.6
77.5°	10.8	12.2	13.6	16.3	13.6	13.6	13.6	16.3	16.3	17.6	16.3
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)