

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: P639443

Luminaire Tested: GWS-SA5B-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639443
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-SA5B-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 8618 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 115.7
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

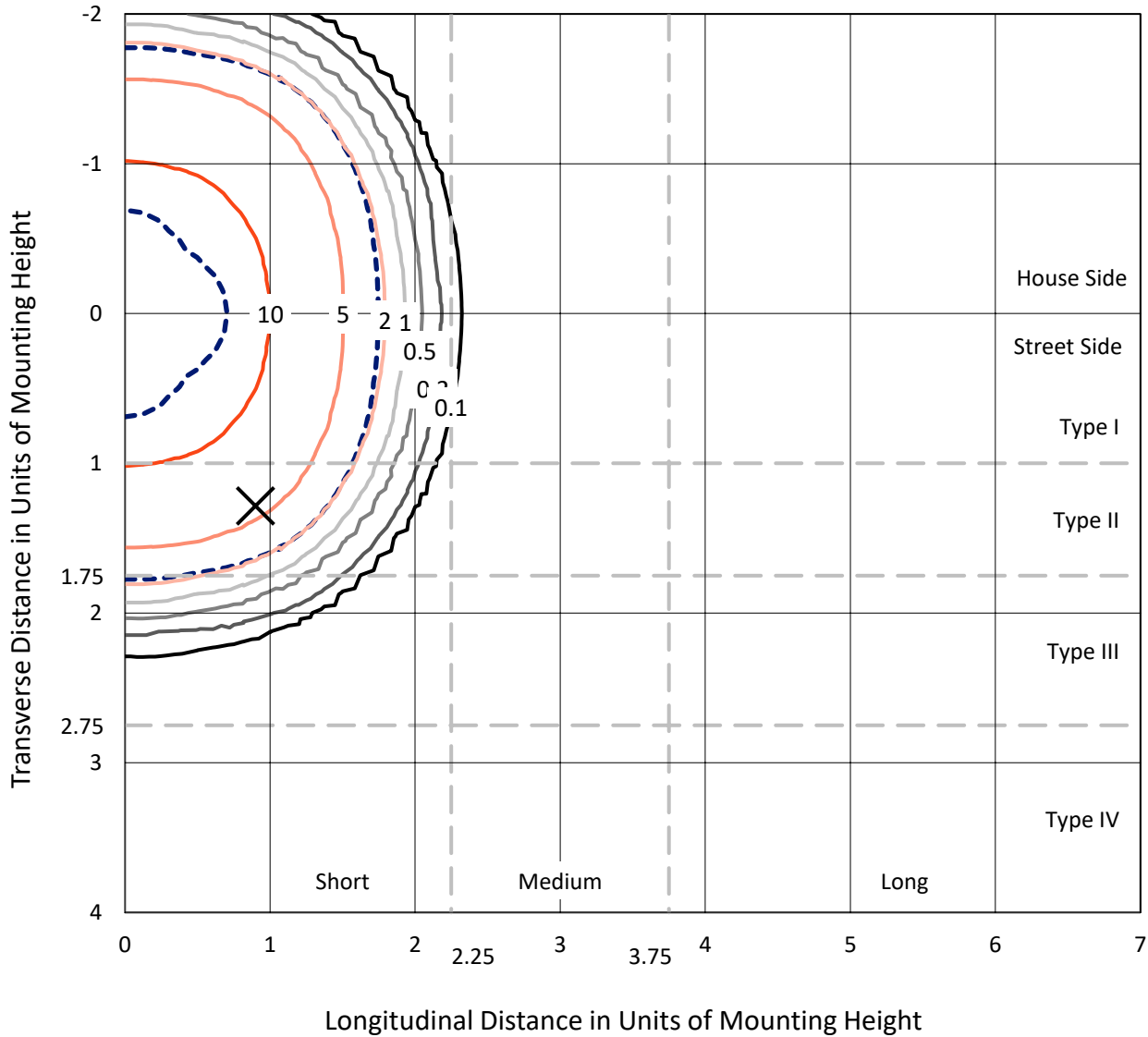


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Iso-Footcandle Lines of Horizontal Illumination

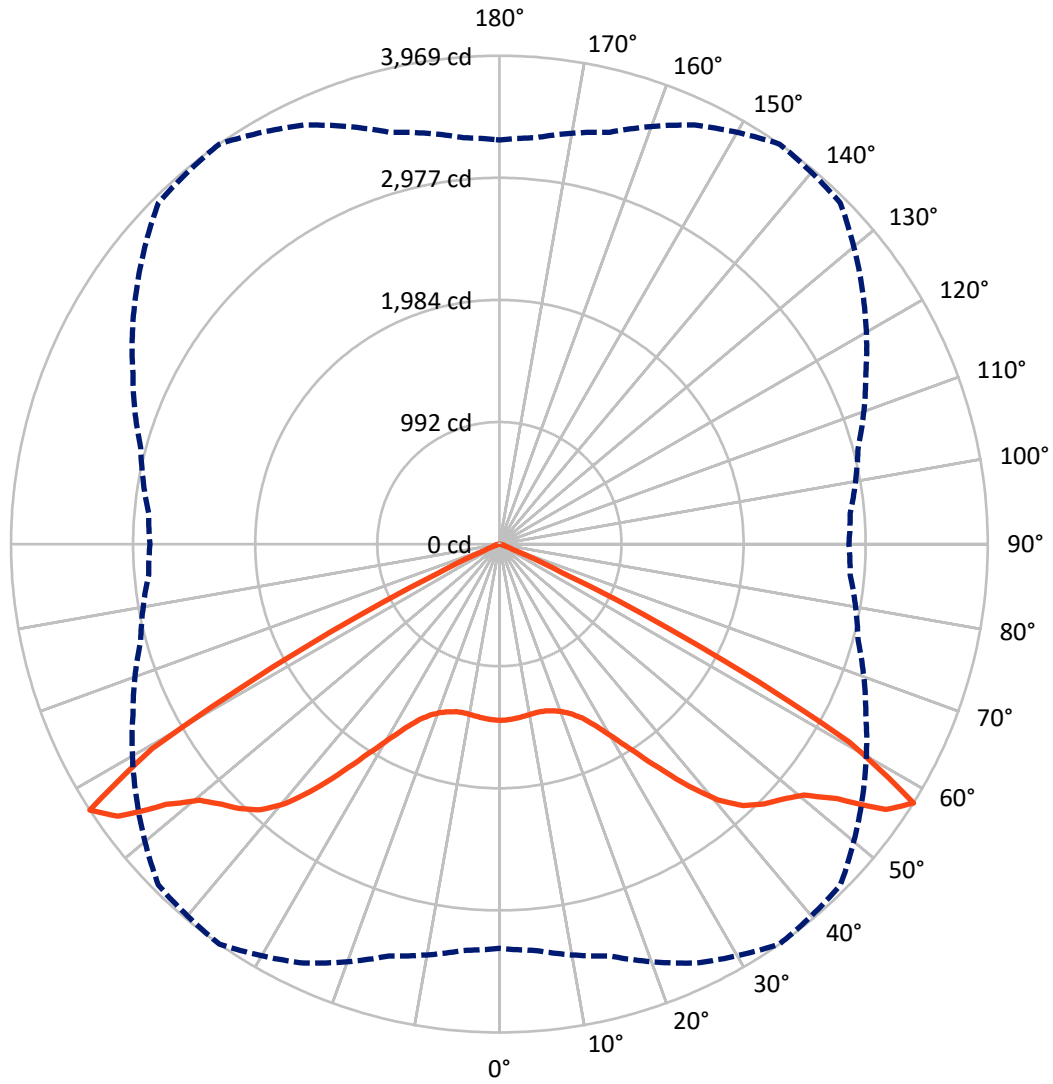
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 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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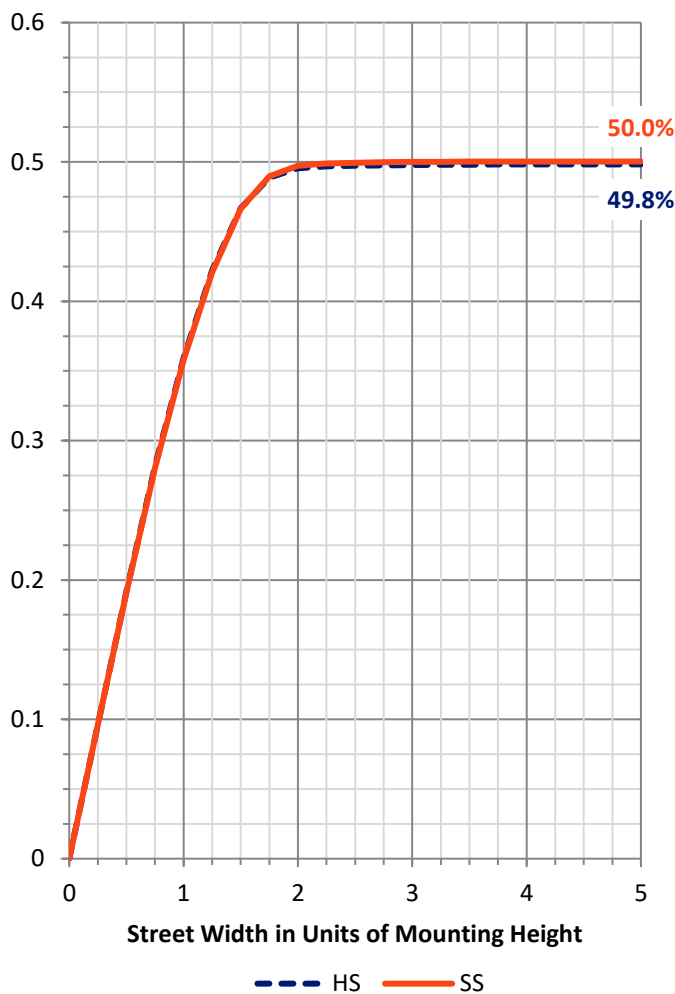
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4309.0	0.0	4309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4309.0	0.0	4309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8618.0	0.0	8618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.6
10°-20°	397.1	4.6
20°-30°	717.8	8.3
30°-40°	1339.1	15.5
40°-50°	2246.3	26.1
50°-60°	2966.5	34.4
60°-70°	787.8	9.1
70°-80°	28.0	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°	8618.0	100.0
0°-180°	8618.0	100.0

Coefficient of Utilization



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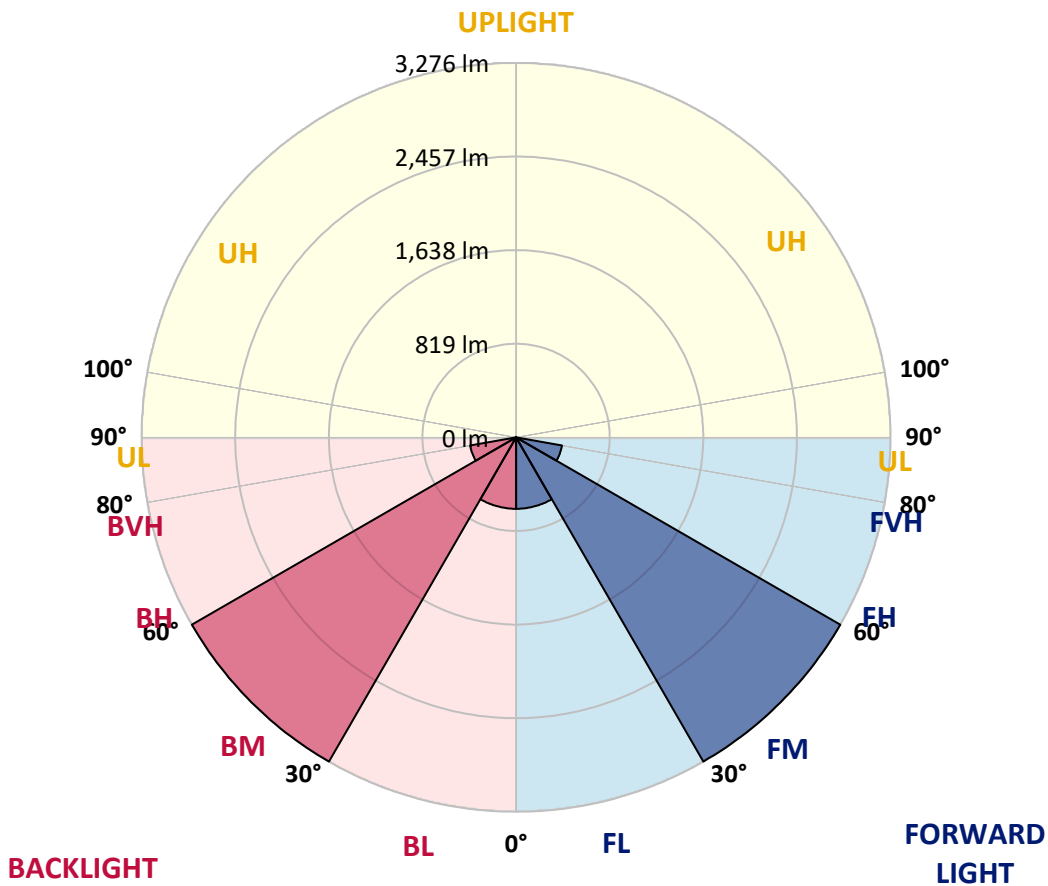
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.9	7.3			
FM (30°-60°)	3275.9	38.0			
FH (60°-80°)	407.9	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	624.9	7.3	B2/1000		
BM (30°-60°)	3275.9	38.0	B3/5000		
BH (60°-80°)	407.9	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°	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8	1432.8
2.5°	1422.7	1421.7	1425.7	1428.8	1428.8	1435.9	1433.8	1431.8	1429.8	1426.8	1433.8
5°	1420.7	1419.7	1422.7	1424.7	1422.7	1428.8	1424.7	1420.7	1418.7	1414.6	1422.7
7.5°	1411.6	1412.6	1414.6	1416.6	1413.6	1418.7	1413.6	1407.5	1402.5	1398.4	1405.5
10°	1397.4	1398.4	1400.5	1404.5	1405.5	1412.6	1405.5	1394.4	1387.3	1381.3	1388.3
12.5°	1390.4	1391.4	1394.4	1399.5	1400.5	1409.6	1400.5	1384.3	1374.2	1367.1	1374.2
15°	1392.4	1394.4	1398.4	1404.5	1406.5	1415.6	1403.5	1382.3	1368.1	1359.0	1365.1
17.5°	1399.5	1401.5	1407.5	1417.7	1424.7	1433.8	1418.7	1391.4	1372.2	1359.0	1365.1
20°	1408.6	1411.6	1421.7	1437.9	1453.0	1469.2	1450.0	1412.6	1387.3	1371.1	1376.2
22.5°	1433.8	1436.9	1451.0	1472.3	1497.5	1517.8	1494.5	1447.0	1412.6	1391.4	1396.4
25°	1485.4	1488.4	1506.6	1533.9	1566.3	1592.6	1563.3	1503.6	1459.1	1434.8	1436.9
27.5°	1566.3	1569.3	1590.6	1629.0	1672.5	1709.9	1667.4	1597.6	1547.1	1518.8	1518.8
30°	1668.4	1672.5	1700.8	1752.3	1820.1	1869.6	1812.0	1727.1	1662.4	1623.9	1624.9
32.5°	1799.9	1795.8	1836.3	1907.1	2003.1	2068.8	1983.9	1880.8	1800.9	1747.3	1752.3
35°	1968.7	1967.7	2013.2	2109.3	2234.7	2313.5	2212.4	2079.0	1982.9	1928.3	1929.3
37.5°	2186.1	2185.1	2237.7	2341.9	2492.5	2558.2	2445.0	2309.5	2206.4	2153.8	2159.8
40°	2441.0	2434.9	2481.4	2581.5	2732.2	2774.6	2651.3	2542.1	2443.0	2409.6	2425.8
42.5°	2683.6	2670.5	2697.8	2788.8	2905.1	2911.1	2818.1	2743.3	2675.5	2649.3	2659.4
45°	2878.8	2868.7	2894.0	2946.5	3013.3	2982.9	2938.4	2915.2	2860.6	2832.3	2841.4
47.5°	3024.4	3024.4	3054.7	3087.1	3097.2	3041.6	3048.7	3048.7	2994.1	2949.6	2938.4
50°	3149.8	3158.9	3204.4	3237.7	3204.4	3133.6	3174.0	3166.0	3054.7	2965.7	2942.5
52.5°	3350.0	3359.1	3428.9	3474.4	3436.9	3367.2	3372.2	3271.1	3107.3	3002.1	2965.7
55°	3562.3	3584.6	3685.7	3807.0	3808.0	3736.3	3602.8	3423.8	3224.6	3110.3	3072.9
57.5°	3284.3	3314.6	3465.3	3757.5	3968.8	3919.3	3600.8	3286.3	3017.3	2861.6	2840.4
60°	2260.0	2312.5	2463.2	2862.6	3270.1	3289.3	2913.2	2560.3	2251.9	2059.7	2063.8
62.5°	954.5	1008.1	1093.1	1421.7	1795.8	1819.1	1637.1	1384.3	1132.5	994.0	1015.2
65°	224.5	239.6	264.9	393.3	570.3	596.6	550.1	428.7	316.5	268.0	273.0
67.5°	98.1	100.1	95.0	101.1	125.4	128.4	124.4	109.2	103.1	105.2	105.2
70°	68.8	69.8	65.7	62.7	59.7	55.6	57.6	63.7	68.8	72.8	71.8
72.5°	42.5	43.5	44.5	44.5	41.5	37.4	39.4	43.5	44.5	45.5	44.5
75°	21.2	22.2	24.3	25.3	24.3	23.3	23.3	24.3	24.3	23.3	23.3
77.5°	4.0	5.1	7.1	8.1	8.1	8.1	8.1	8.1	9.1	8.1	8.1
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)