

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: P634499

Luminaire Tested: GWS-SA3B-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634499  
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-SA3B-830-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

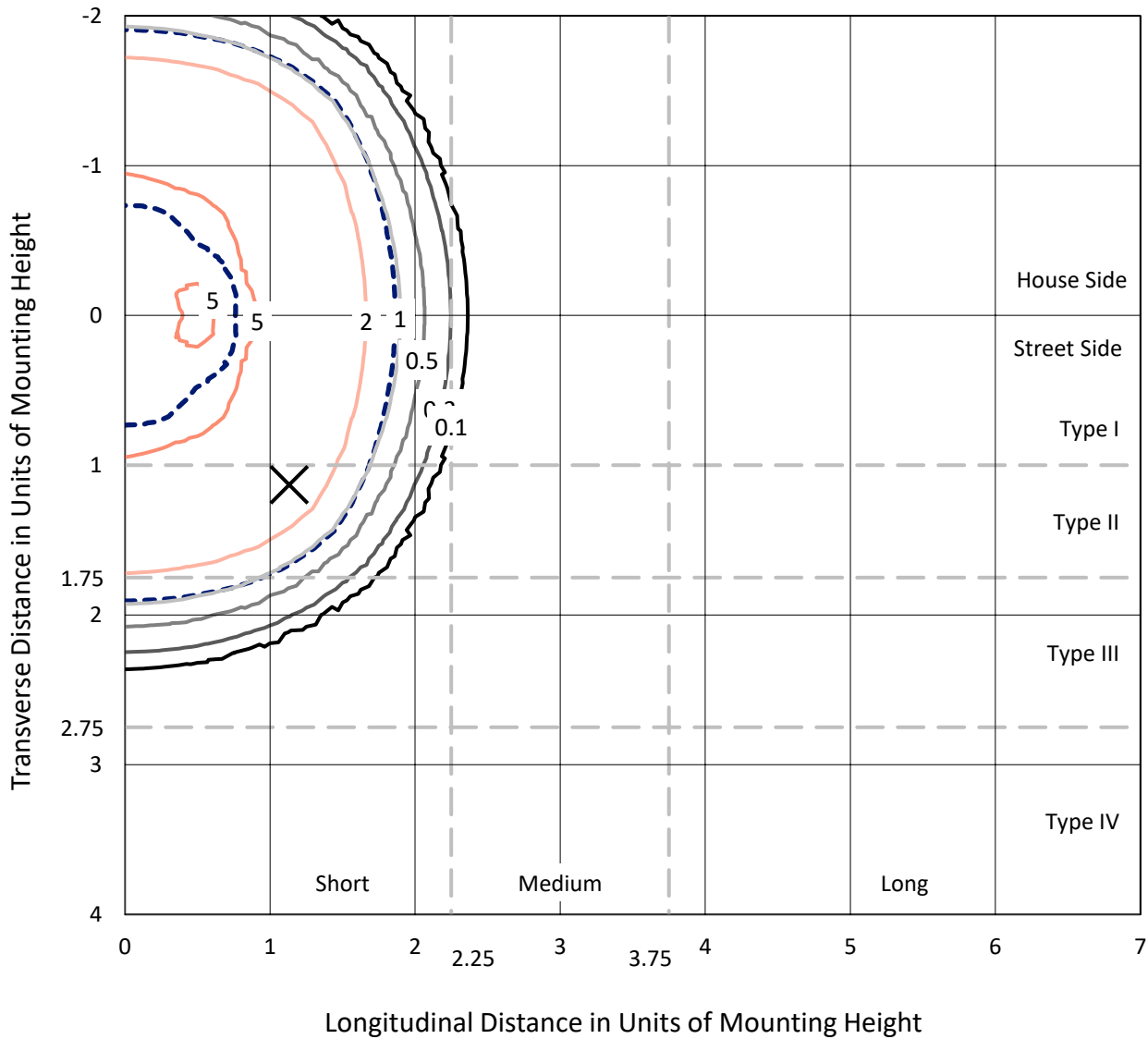
Lumens per Lamp: N/A  
Luminaire Lumens: 4348.3 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

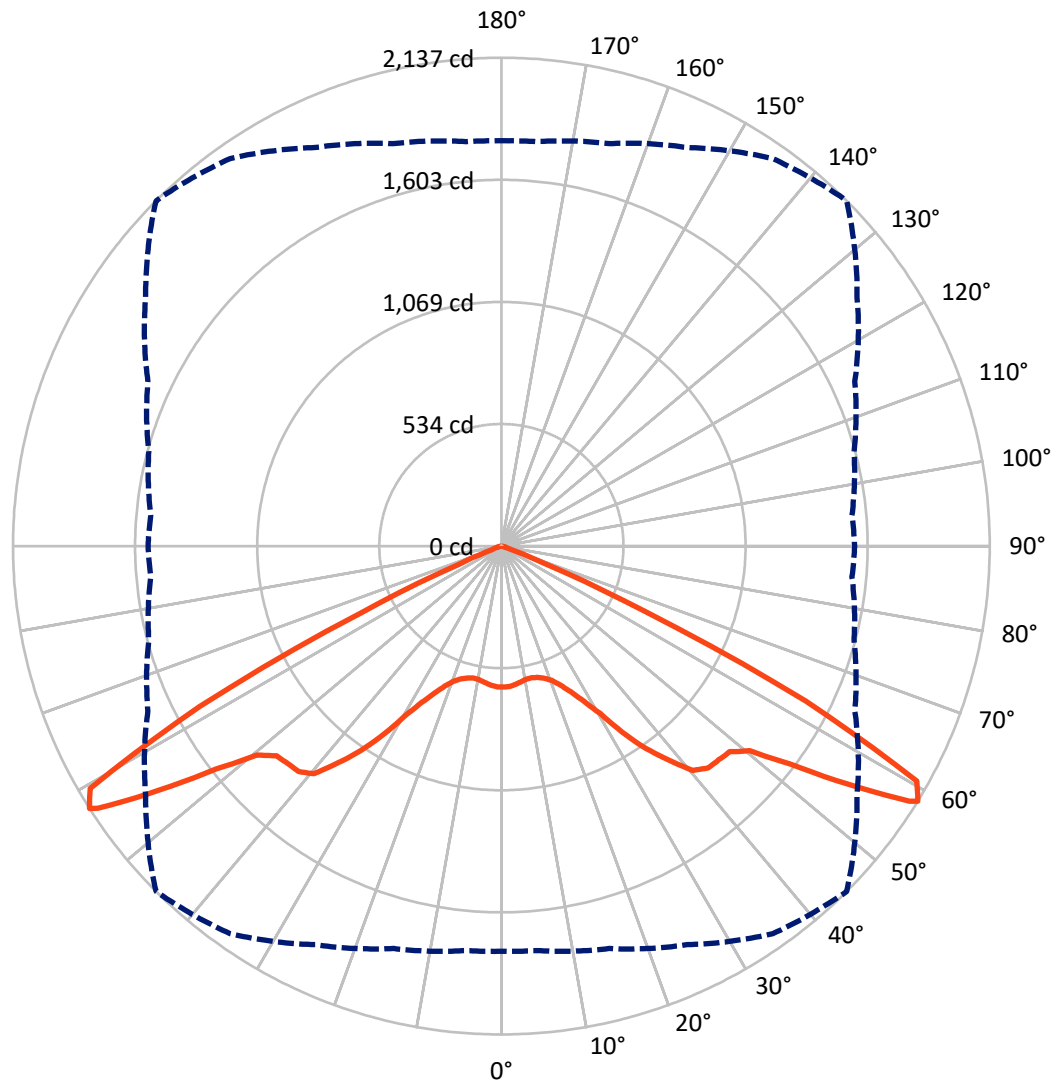
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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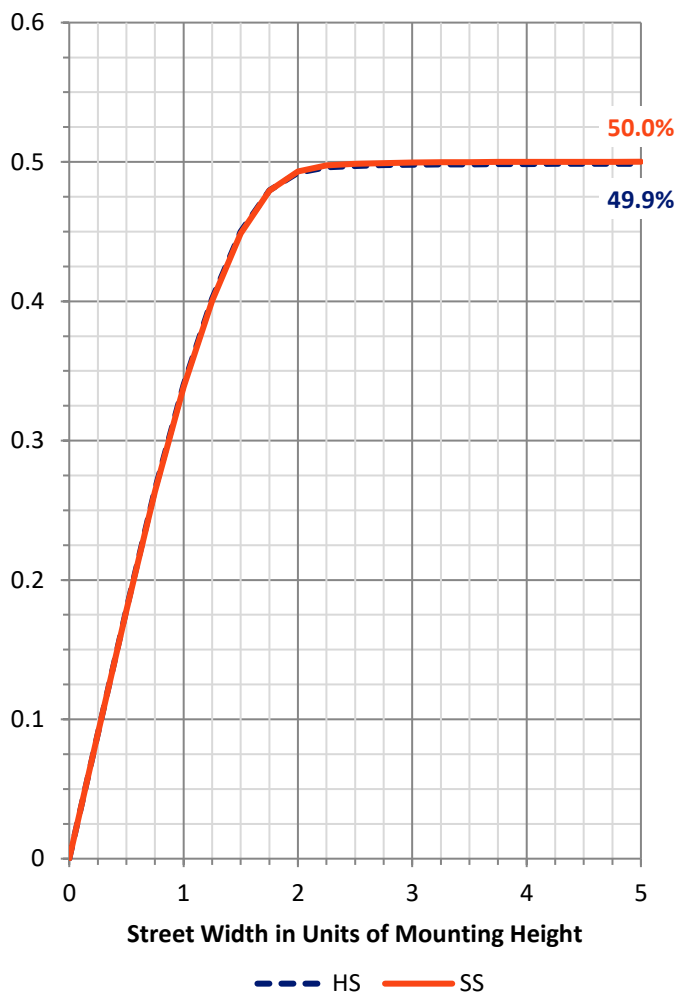
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2174.1	0.0	2174.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2174.1	0.0	2174.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4348.3	0.0	4348.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	1.3
10°-20°	170.2	3.9
20°-30°	322.0	7.4
30°-40°	635.0	14.6
40°-50°	1004.9	23.1
50°-60°	1477.1	34.0
60°-70°	659.3	15.2
70°-80°	22.1	0.5
80°-90°	0.2	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°	4348.3	100.0
0°-180°	4348.3	100.0

**Coefficient of Utilization**



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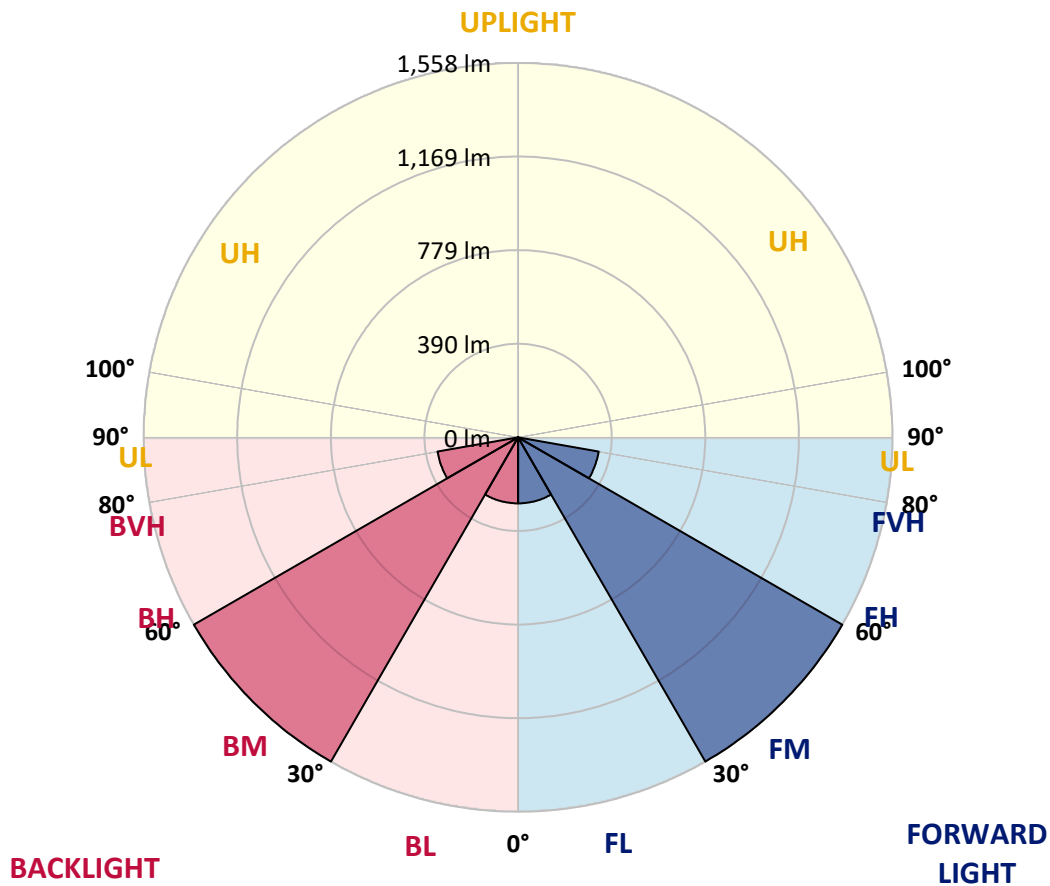
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.9	6.3			
FM (30°-60°)	1558.5	35.8			
FH (60°-80°)	340.7	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	274.9	6.3	B1/500		
BM (30°-60°)	1558.5	35.8	B2/2500		
BH (60°-80°)	340.7	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6
2.5°	610.7	611.9	613.1	613.7	614.3	616.1	616.6	614.9	614.9	611.3	615.5
5°	607.8	608.9	610.1	609.5	609.5	609.5	608.9	606.6	606.0	602.4	606.6
7.5°	602.4	603.6	603.6	601.8	600.7	600.7	600.1	597.1	596.5	593.0	597.1
10°	598.3	598.9	598.3	594.7	592.4	592.4	591.8	590.6	591.2	588.8	592.4
12.5°	600.7	601.2	598.9	594.1	591.2	590.6	588.8	587.0	588.8	588.2	591.8
15°	608.4	608.9	604.8	598.9	596.5	596.5	591.8	587.0	589.4	590.0	594.1
17.5°	617.8	617.8	612.5	607.2	607.8	607.8	600.1	591.8	592.4	594.7	598.9
20°	629.1	629.1	623.8	622.6	626.7	627.3	617.8	604.8	601.8	603.6	608.4
22.5°	649.2	649.2	645.1	648.0	657.5	660.5	646.3	627.9	620.8	622.0	626.7
25°	680.6	680.6	679.4	686.5	700.2	706.7	687.7	663.4	651.6	649.8	655.2
27.5°	733.3	733.9	732.2	742.8	760.0	767.7	741.6	709.6	695.4	692.5	697.8
30°	801.5	801.5	802.1	816.9	839.4	849.4	815.1	777.8	761.2	751.7	758.8
32.5°	877.3	878.5	884.4	909.3	949.0	969.7	919.3	867.2	840.6	830.5	838.2
35°	1002.3	991.0	983.9	1002.3	1059.7	1087.0	1022.4	961.4	941.3	940.1	959.6
37.5°	1126.1	1119.6	1104.8	1123.7	1175.2	1187.7	1116.6	1065.7	1051.4	1059.1	1078.7
40°	1224.4	1212.6	1193.0	1210.8	1278.3	1290.8	1203.1	1152.7	1147.4	1164.6	1191.2
42.5°	1302.0	1285.4	1259.4	1263.5	1318.0	1326.9	1249.3	1211.4	1214.9	1236.3	1266.5
45°	1337.0	1323.9	1300.8	1299.0	1333.4	1334.0	1273.0	1253.4	1262.9	1279.5	1303.2
47.5°	1351.8	1345.8	1332.8	1329.8	1349.4	1344.7	1306.7	1298.5	1307.3	1312.1	1325.7
50°	1388.5	1388.5	1390.3	1392.6	1412.8	1408.0	1381.4	1371.9	1360.7	1344.1	1348.2
52.5°	1491.6	1495.7	1512.9	1531.8	1568.6	1584.0	1540.7	1485.6	1431.7	1395.6	1395.6
55°	1677.6	1681.7	1701.9	1733.8	1801.4	1838.1	1737.4	1616.0	1541.9	1492.7	1499.3
57.5°	1780.0	1784.8	1826.2	1912.7	2043.6	2105.8	1889.6	1709.6	1605.9	1549.6	1554.4
58°	1773.5	1776.5	1823.3	1924.6	2070.3	2137.2	1900.3	1706.6	1597.6	1540.1	1546.1
60°	1575.7	1571.5	1646.2	1790.7	1996.3	2088.7	1794.3	1557.9	1431.1	1372.5	1375.5
62.5°	1030.1	1032.5	1097.1	1248.1	1408.0	1495.1	1253.4	1077.5	975.6	940.1	931.2
65°	430.1	422.4	462.0	546.2	642.1	690.7	593.5	502.3	439.5	415.8	422.4
67.5°	110.8	107.8	110.2	138.0	168.8	199.6	167.6	127.9	111.4	112.5	112.5
70°	62.8	59.2	48.0	44.4	43.2	43.2	43.2	43.2	49.8	58.6	60.4
72.5°	47.4	44.4	34.9	30.2	26.7	24.9	26.1	30.2	36.1	43.8	45.0
75°	23.7	23.7	21.3	20.1	17.8	16.6	17.2	19.0	21.9	24.9	24.3
77.5°	4.7	5.3	5.9	7.1	5.9	5.9	5.9	7.1	7.1	7.7	7.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)