

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: P632513

Luminaire Tested: GWS-SA2C-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632513  
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-SA2C-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

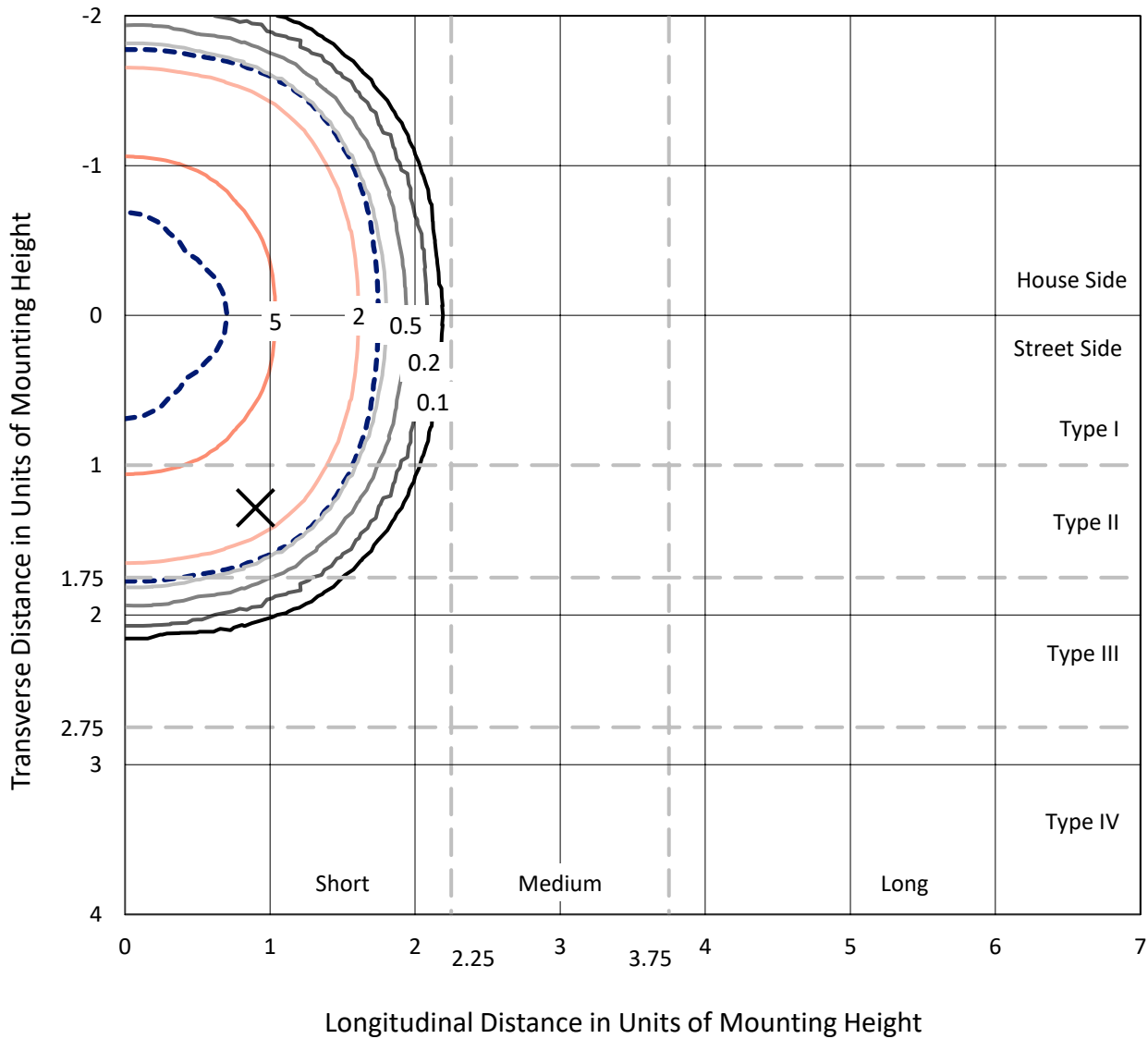
Lumens per Lamp: N/A  
Luminaire Lumens: 4492.2 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

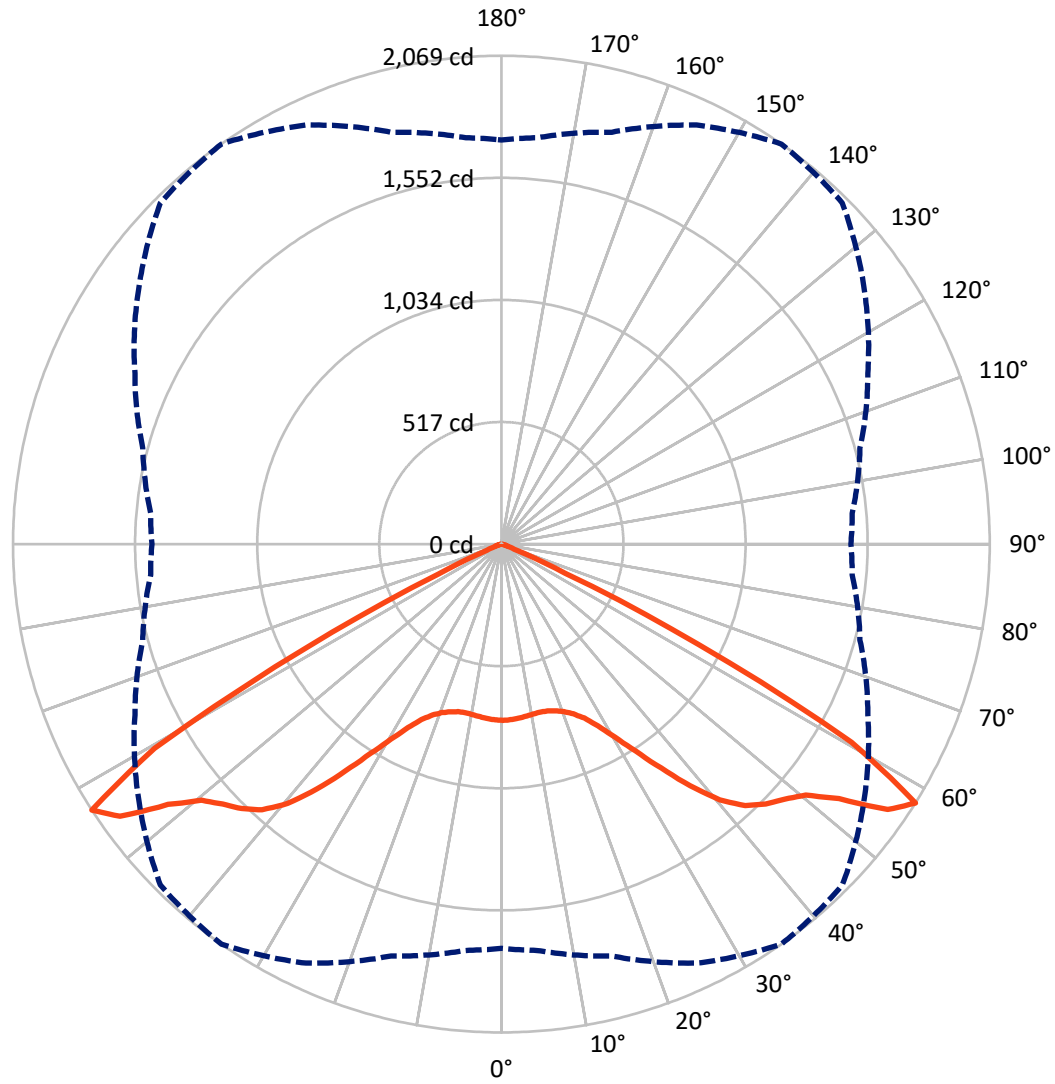
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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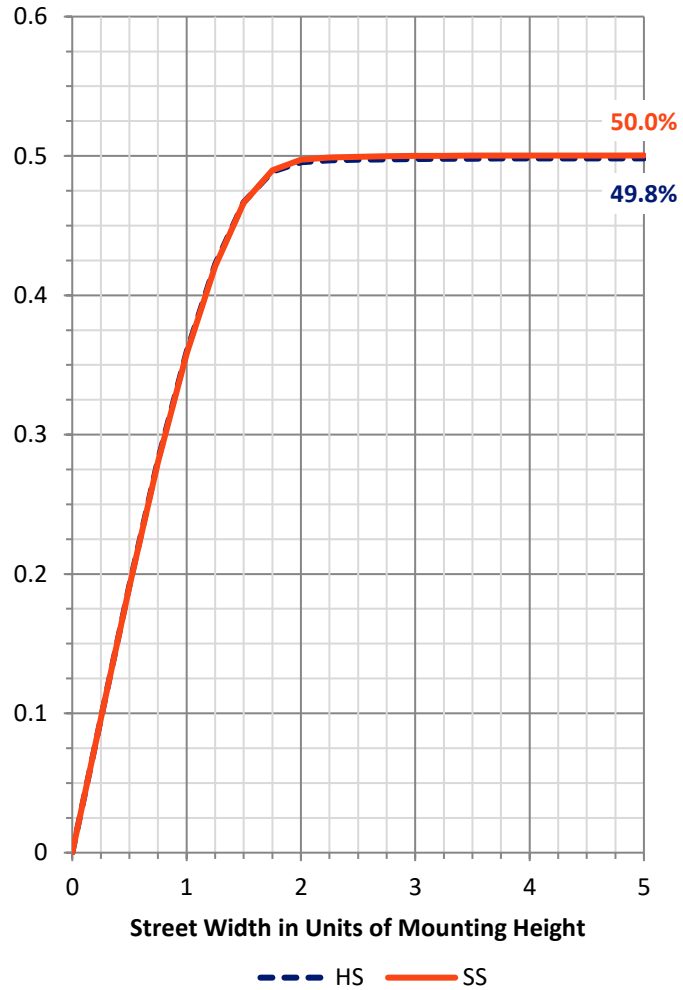
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2246.1	0.0	2246.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2246.1	0.0	2246.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4492.2	0.0	4492.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.4	1.6
10°-20°	207.0	4.6
20°-30°	374.1	8.3
30°-40°	698.0	15.5
40°-50°	1170.9	26.1
50°-60°	1546.3	34.4
60°-70°	410.7	9.1
70°-80°	14.6	0.3
80°-90°	0.3	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°	4492.2	100.0
0°-180°	4492.2	100.0

**Coefficient of Utilization**



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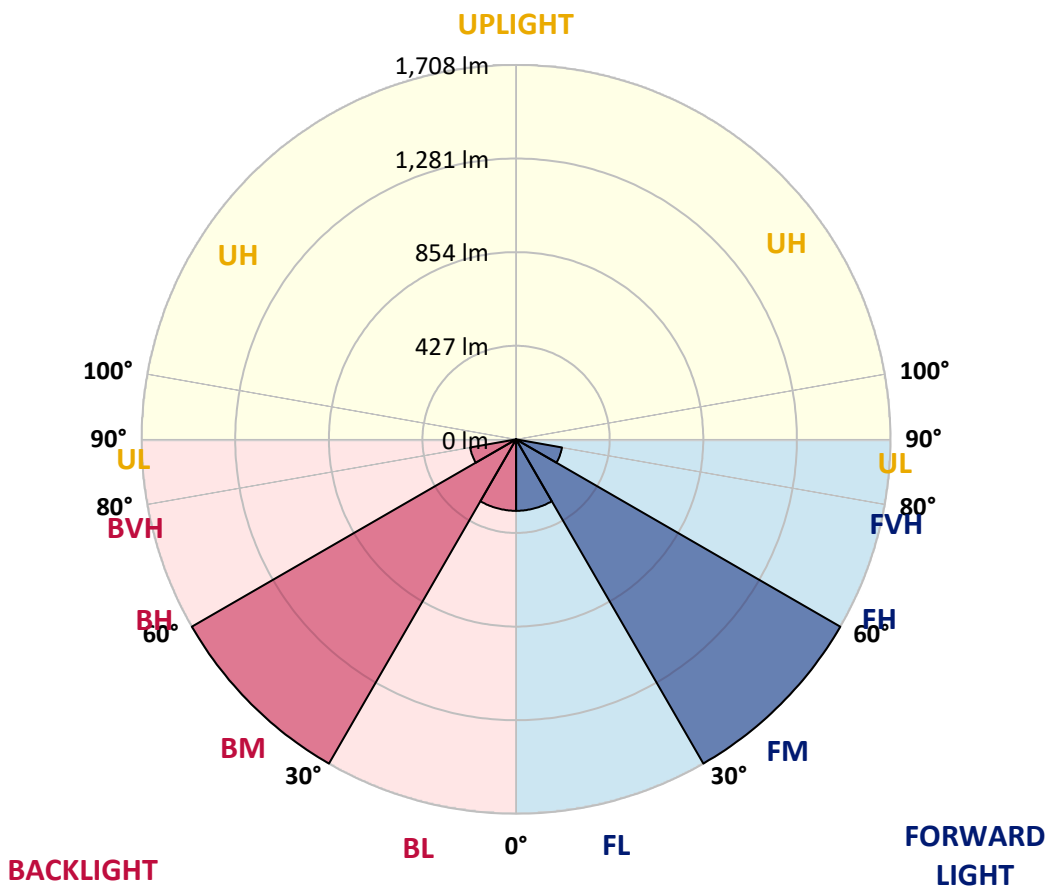
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.7	7.3			
FM (30°-60°)	1707.6	38.0			
FH (60°-80°)	212.6	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	325.7	7.3	B1/500		
BM (30°-60°)	1707.6	38.0	B2/2500		
BH (60°-80°)	212.6	4.7	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°	746.9	746.9	746.9	746.9	746.9	746.9	746.9	746.9	746.9	746.9	746.9
2.5°	741.6	741.1	743.2	744.8	744.8	748.4	747.4	746.3	745.3	743.7	747.4
5°	740.5	740.0	741.6	742.7	741.6	744.8	742.7	740.5	739.5	737.4	741.6
7.5°	735.8	736.3	737.4	738.4	736.9	739.5	736.9	733.7	731.1	728.9	732.6
10°	728.4	728.9	730.0	732.1	732.6	736.3	732.6	726.8	723.2	720.0	723.7
12.5°	724.7	725.3	726.8	729.5	730.0	734.7	730.0	721.6	716.3	712.6	716.3
15°	725.8	726.8	728.9	732.1	733.2	737.9	731.6	720.5	713.1	708.4	711.6
17.5°	729.5	730.5	733.7	739.0	742.7	747.4	739.5	725.3	715.2	708.4	711.6
20°	734.2	735.8	741.1	749.5	757.4	765.8	755.8	736.3	723.2	714.7	717.4
22.5°	747.4	749.0	756.4	767.4	780.6	791.1	779.0	754.2	736.3	725.3	727.9
25°	774.3	775.9	785.3	799.6	816.4	830.1	814.9	783.8	760.6	747.9	749.0
27.5°	816.4	818.0	829.1	849.1	871.8	891.3	869.2	832.8	806.4	791.7	791.7
30°	869.7	871.8	886.5	913.4	948.7	974.6	944.5	900.2	866.5	846.5	847.0
32.5°	938.2	936.1	957.2	994.1	1044.1	1078.4	1034.1	980.4	938.7	910.8	913.4
35°	1026.2	1025.7	1049.4	1099.5	1164.8	1206.0	1153.2	1083.7	1033.6	1005.1	1005.7
37.5°	1139.5	1139.0	1166.4	1220.7	1299.2	1333.5	1274.5	1203.8	1150.1	1122.7	1125.8
40°	1272.4	1269.2	1293.4	1345.6	1424.2	1446.3	1382.0	1325.1	1273.4	1256.0	1264.5
42.5°	1398.9	1392.0	1406.2	1453.7	1514.3	1517.5	1469.0	1430.0	1394.6	1380.9	1386.2
45°	1500.6	1495.3	1508.5	1535.9	1570.7	1554.9	1531.7	1519.6	1491.1	1476.3	1481.1
47.5°	1576.5	1576.5	1592.3	1609.2	1614.4	1585.4	1589.1	1589.1	1560.7	1537.5	1531.7
50°	1641.8	1646.6	1670.3	1687.7	1670.3	1633.4	1654.5	1650.3	1592.3	1545.9	1533.8
52.5°	1746.2	1751.0	1787.3	1811.0	1791.5	1755.2	1757.8	1705.1	1619.7	1564.9	1545.9
55°	1856.9	1868.5	1921.2	1984.4	1985.0	1947.6	1878.0	1784.7	1680.8	1621.3	1601.8
57.5°	1711.9	1727.8	1806.3	1958.6	2068.8	2043.0	1876.9	1713.0	1572.8	1491.6	1480.6
60°	1178.0	1205.4	1284.0	1492.2	1704.6	1714.6	1518.5	1334.6	1173.8	1073.7	1075.8
62.5°	497.6	525.5	569.8	741.1	936.1	948.2	853.3	721.6	590.3	518.1	529.2
65°	117.0	124.9	138.1	205.0	297.3	311.0	286.7	223.5	165.0	139.7	142.3
67.5°	51.1	52.2	49.5	52.7	65.4	66.9	64.8	56.9	53.8	54.8	54.8
70°	35.8	36.4	34.3	32.7	31.1	29.0	30.0	33.2	35.8	37.9	37.4
72.5°	22.1	22.7	23.2	23.2	21.6	19.5	20.6	22.7	23.2	23.7	23.2
75°	11.1	11.6	12.6	13.2	12.6	12.1	12.1	12.6	12.6	12.1	12.1
77.5°	2.1	2.6	3.7	4.2	4.2	4.2	4.2	4.2	4.7	4.2	4.2
80°	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)