

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: P632354

Luminaire Tested: GWS-SA2C-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632354  
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-SA2C-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

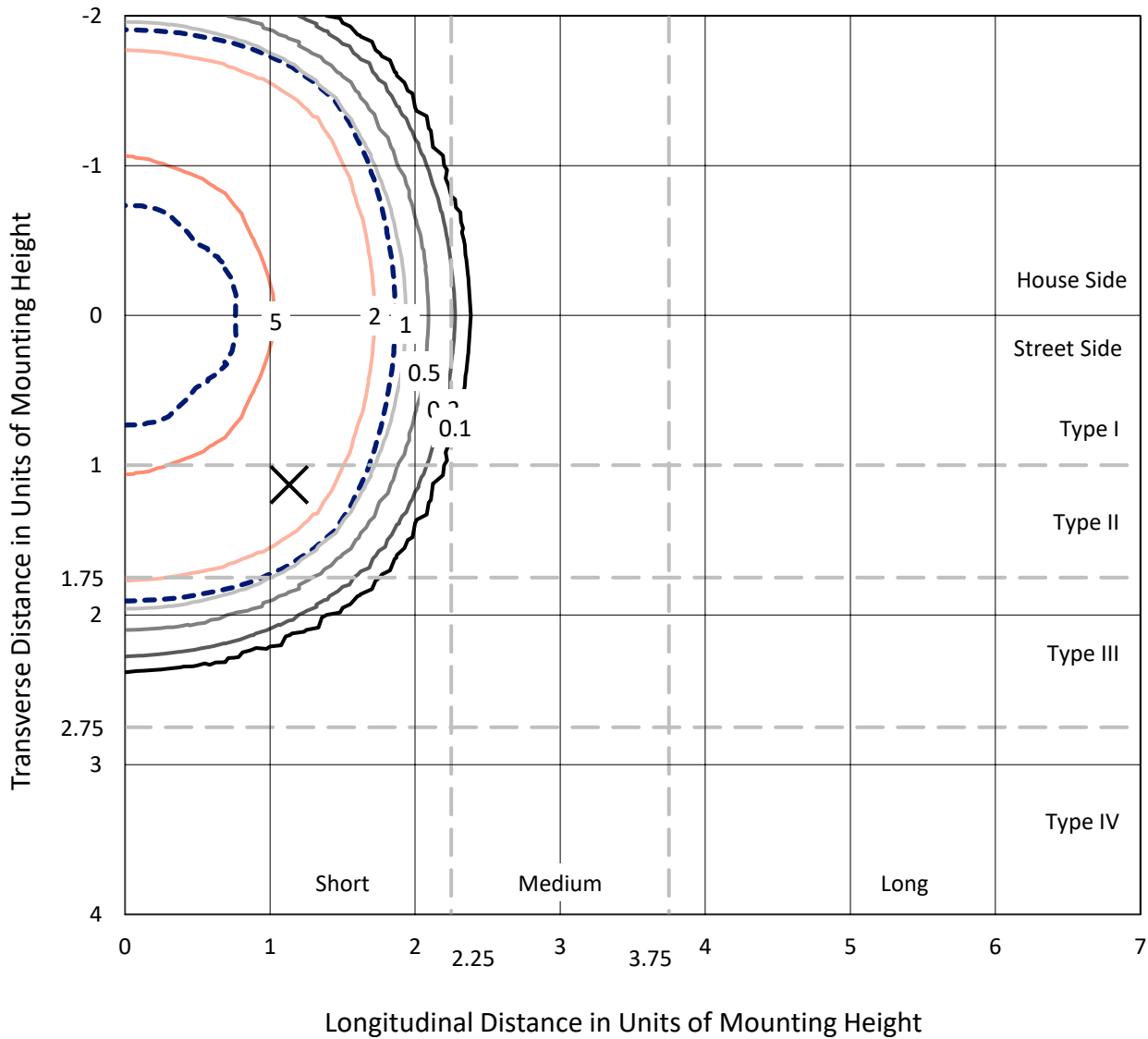
Lumens per Lamp: N/A  
Luminaire Lumens: 4982.3 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

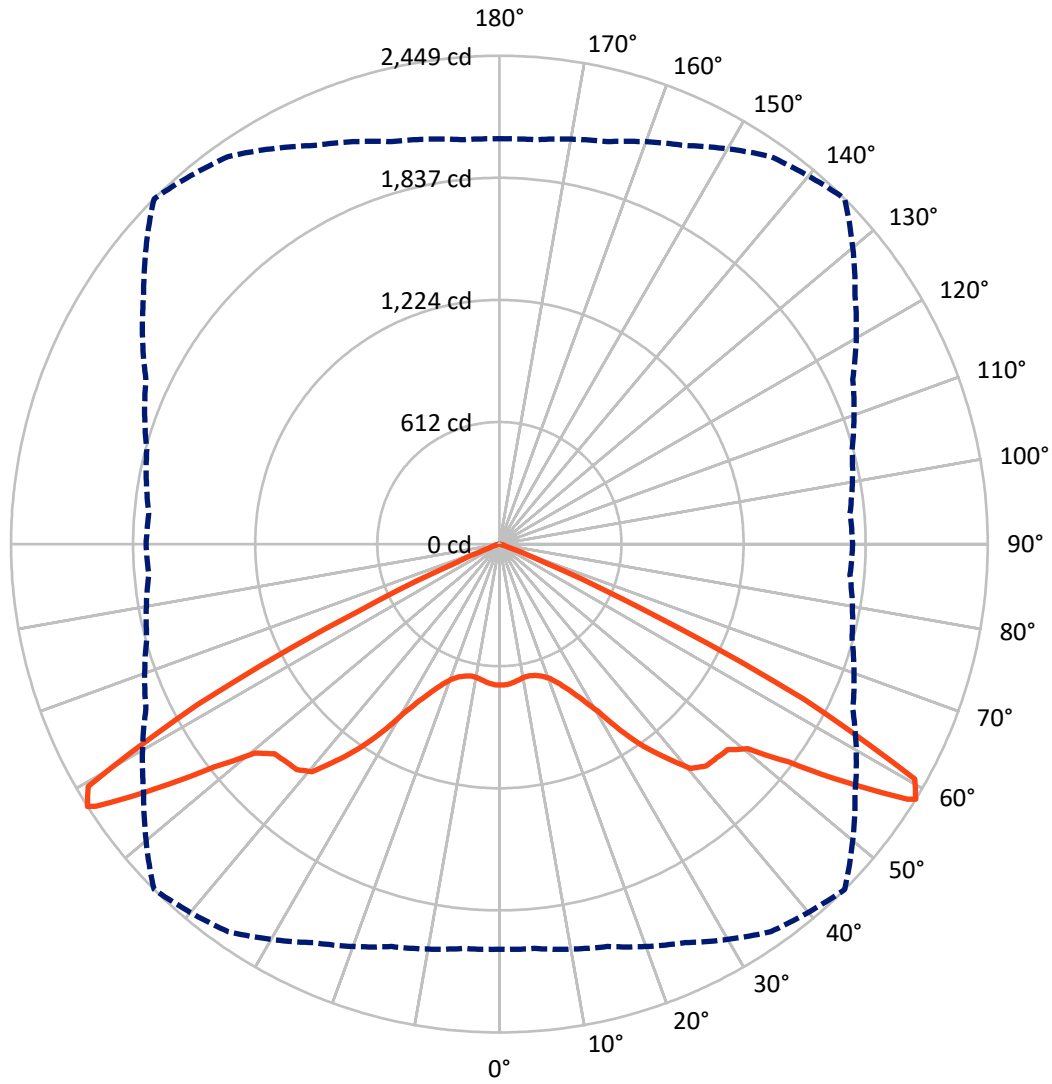
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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
<b>House Side</b>	Lumens	2491.1	0.0	2491.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2491.1	0.0	2491.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4982.3	0.0	4982.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	1.3
10°-20°	195.1	3.9
20°-30°	368.9	7.4
30°-40°	727.6	14.6
40°-50°	1151.4	23.1
50°-60°	1692.5	34.0
60°-70°	755.4	15.2
70°-80°	25.3	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°	4982.3	100.0
0°-180°	4982.3	100.0

**Coefficient of Utilization**



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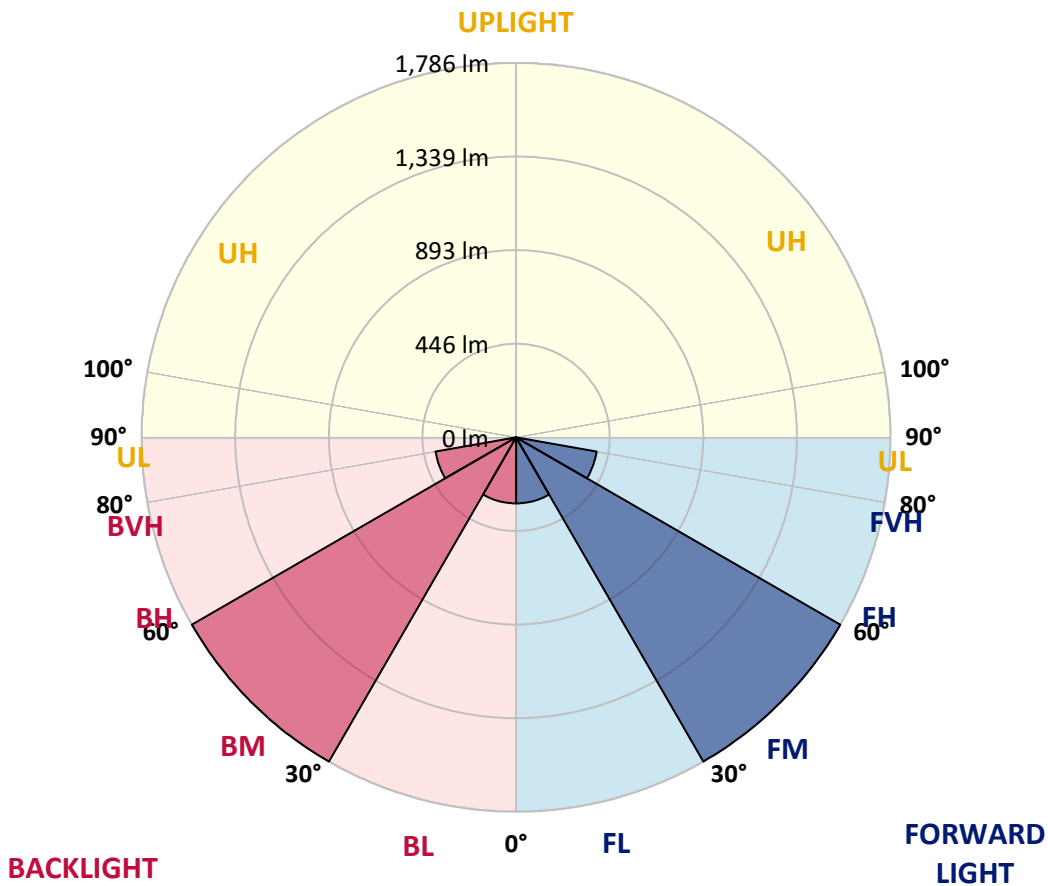
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.9	6.3			
FM (30°-60°)	1785.7	35.8			
FH (60°-80°)	390.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	314.9	6.3	B1/500		
BM (30°-60°)	1785.7	35.8	B2/2500		
BH (60°-80°)	390.4	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°	706.6	706.6	706.6	706.6	706.6	706.6	706.6	706.6	706.6	706.6	706.6
2.5°	699.8	701.1	702.5	703.2	703.8	705.9	706.6	704.5	704.5	700.4	705.2
5°	696.4	697.7	699.1	698.4	698.4	698.4	697.7	695.0	694.3	690.3	695.0
7.5°	690.3	691.6	691.6	689.6	688.2	688.2	687.6	684.2	683.5	679.4	684.2
10°	685.5	686.2	685.5	681.4	678.7	678.7	678.0	676.7	677.4	674.7	678.7
12.5°	688.2	688.9	686.2	680.8	677.4	676.7	674.7	672.6	674.7	674.0	678.0
15°	697.1	697.7	693.0	686.2	683.5	683.5	678.0	672.6	675.3	676.0	680.8
17.5°	707.9	707.9	701.8	695.7	696.4	696.4	687.6	678.0	678.7	681.4	686.2
20°	720.8	720.8	714.7	713.3	718.1	718.8	707.9	693.0	689.6	691.6	697.1
22.5°	743.9	743.9	739.1	742.5	753.4	756.8	740.5	719.5	711.3	712.7	718.1
25°	779.9	779.9	778.5	786.6	802.3	809.7	788.0	760.2	746.6	744.6	750.7
27.5°	840.3	840.9	838.9	851.1	870.8	879.6	849.8	813.1	796.8	793.4	799.5
30°	918.3	918.3	919.0	936.0	961.8	973.3	933.9	891.2	872.2	861.3	869.5
32.5°	1005.2	1006.6	1013.3	1041.8	1087.3	1111.1	1053.4	993.7	963.1	951.6	960.4
35°	1148.4	1135.5	1127.4	1148.4	1214.2	1245.5	1171.5	1101.6	1078.5	1077.1	1099.5
37.5°	1290.3	1282.8	1265.8	1287.5	1346.6	1360.9	1279.4	1221.0	1204.7	1213.6	1236.0
40°	1402.9	1389.4	1367.0	1387.3	1464.7	1478.9	1378.5	1320.8	1314.7	1334.4	1364.9
42.5°	1491.8	1472.8	1443.0	1447.7	1510.2	1520.4	1431.4	1388.0	1392.1	1416.5	1451.1
45°	1531.9	1517.0	1490.5	1488.5	1527.8	1528.5	1458.6	1436.2	1447.0	1466.1	1493.2
47.5°	1548.9	1542.1	1527.1	1523.7	1546.1	1540.7	1497.3	1487.8	1498.0	1503.4	1519.0
50°	1590.9	1590.9	1593.0	1595.7	1618.8	1613.3	1582.8	1571.9	1559.0	1540.0	1544.8
52.5°	1709.0	1713.8	1733.5	1755.2	1797.3	1814.9	1765.4	1702.3	1640.5	1599.1	1599.1
55°	1922.2	1926.9	1950.0	1986.6	2064.0	2106.1	1990.7	1851.6	1766.7	1710.4	1717.9
57.5°	2039.6	2045.0	2092.5	2191.6	2341.6	2412.9	2165.1	1958.8	1840.0	1775.6	1781.0
58°	2032.1	2035.5	2089.1	2205.2	2372.2	2448.9	2177.4	1955.4	1830.5	1764.7	1771.5
60°	1805.4	1800.7	1886.2	2051.8	2287.3	2393.2	2055.9	1785.1	1639.8	1572.6	1576.0
62.5°	1180.3	1183.0	1257.0	1430.1	1613.3	1713.1	1436.2	1234.6	1117.9	1077.1	1067.0
65°	492.8	483.9	529.4	625.8	735.7	791.4	680.1	575.6	503.6	476.5	483.9
67.5°	126.9	123.5	126.2	158.1	193.4	228.7	192.1	146.6	127.6	129.0	129.0
70°	71.9	67.9	55.0	50.9	49.5	49.5	49.5	49.5	57.0	67.2	69.2
72.5°	54.3	50.9	40.0	34.6	30.5	28.5	29.9	34.6	41.4	50.2	51.6
75°	27.1	27.1	24.4	23.1	20.4	19.0	19.7	21.7	25.1	28.5	27.8
77.5°	5.4	6.1	6.8	8.1	6.8	6.8	6.8	8.1	8.1	8.8	8.1
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)