

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: P639009

Luminaire Tested: GWS-SA5B-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639009  
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-SA5B-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6882.8 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - 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

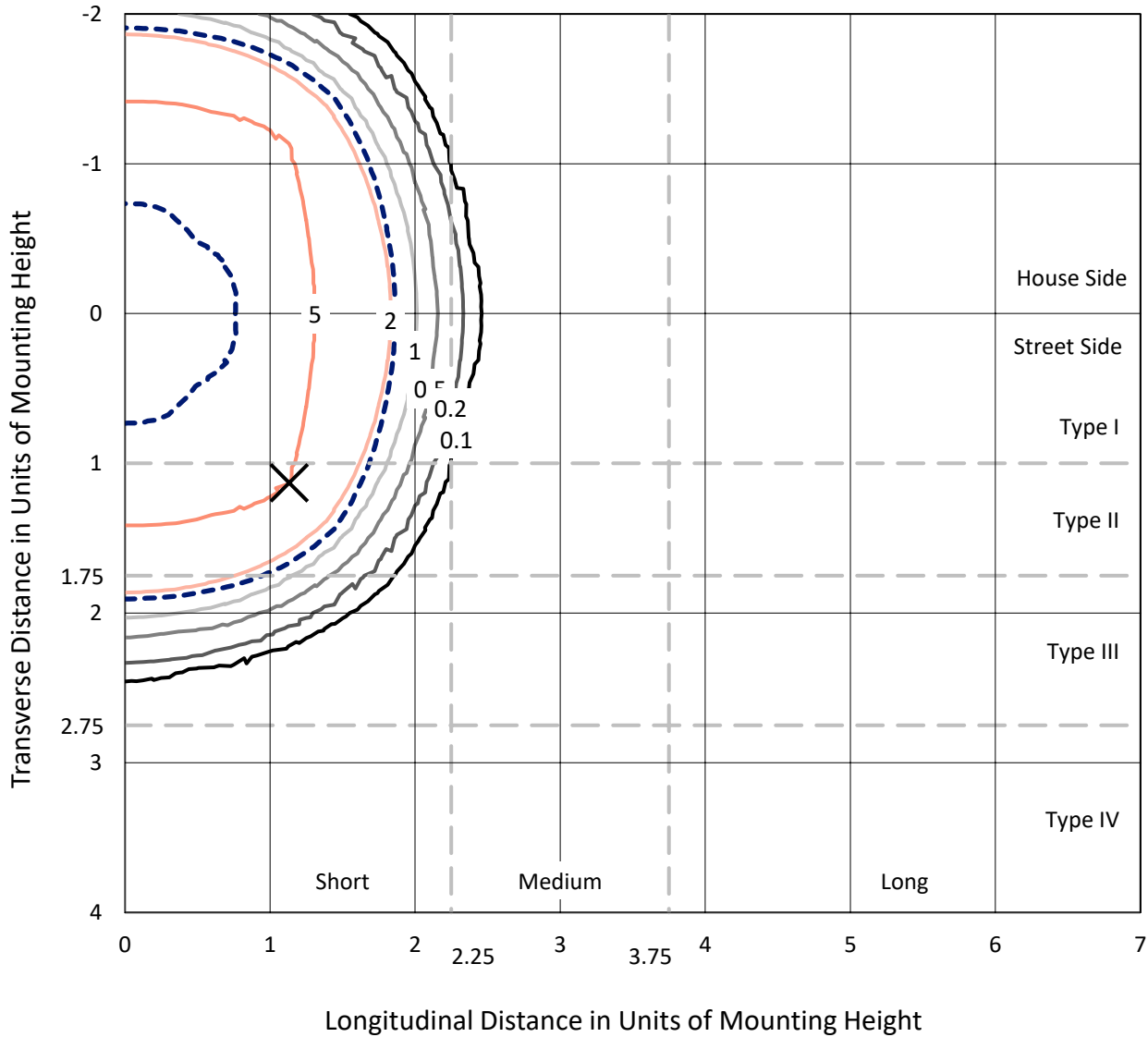


REPORT NUMBER: P639009

CATALOG NUMBER: GWS-SA5B-722-U-5WQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

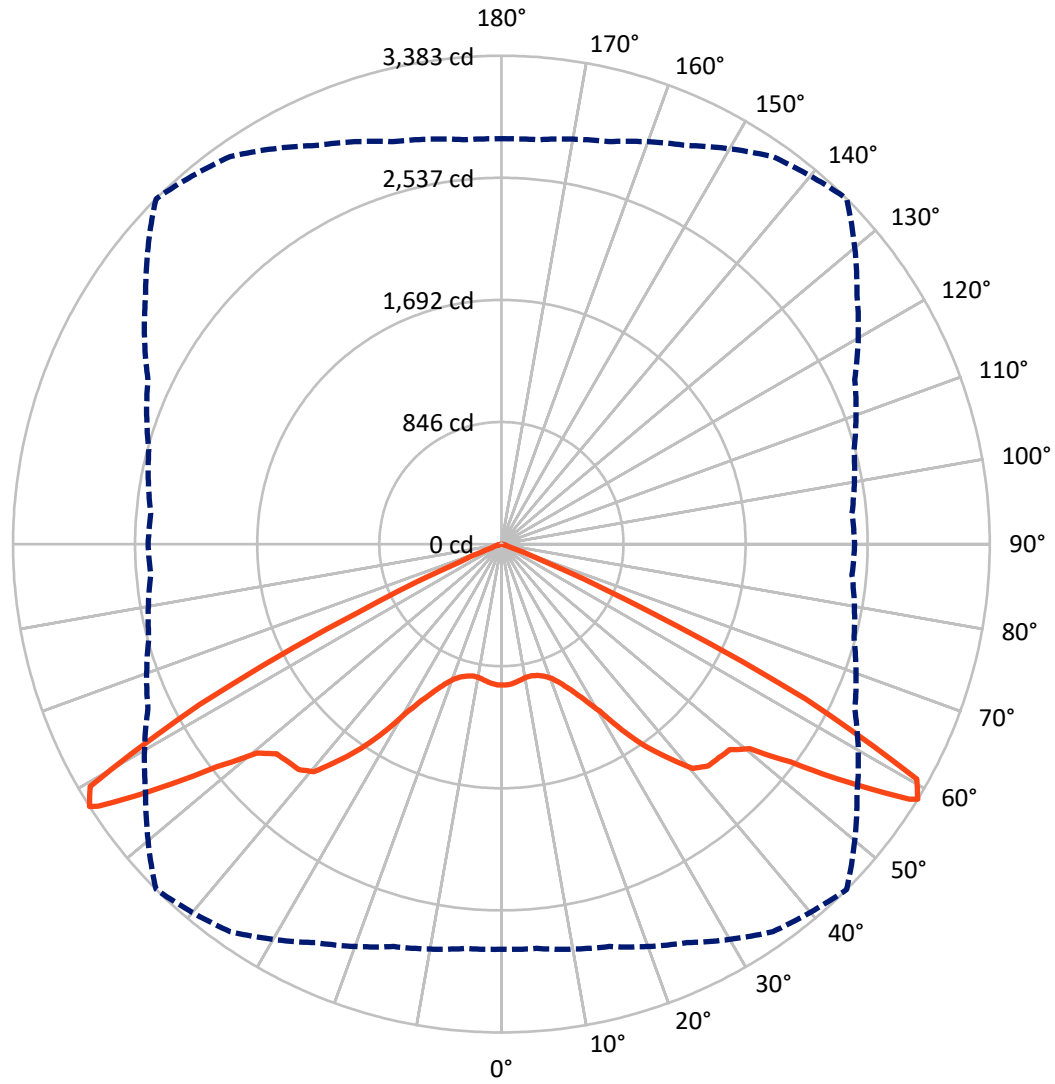
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P639009  
CATALOG NUMBER: GWS-SA5B-722-U-5WQ-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P639009

CATALOG NUMBER: GWS-SA5B-722-U-5WQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3441.4	0.0	3441.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3441.4	0.0	3441.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6882.8	0.0	6882.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.1	1.3
10°-20°	269.5	3.9
20°-30°	509.6	7.4
30°-40°	1005.1	14.6
40°-50°	1590.6	23.1
50°-60°	2338.1	34.0
60°-70°	1043.6	15.2
70°-80°	35.0	0.5
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°	6882.8	100.0
0°-180°	6882.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639009

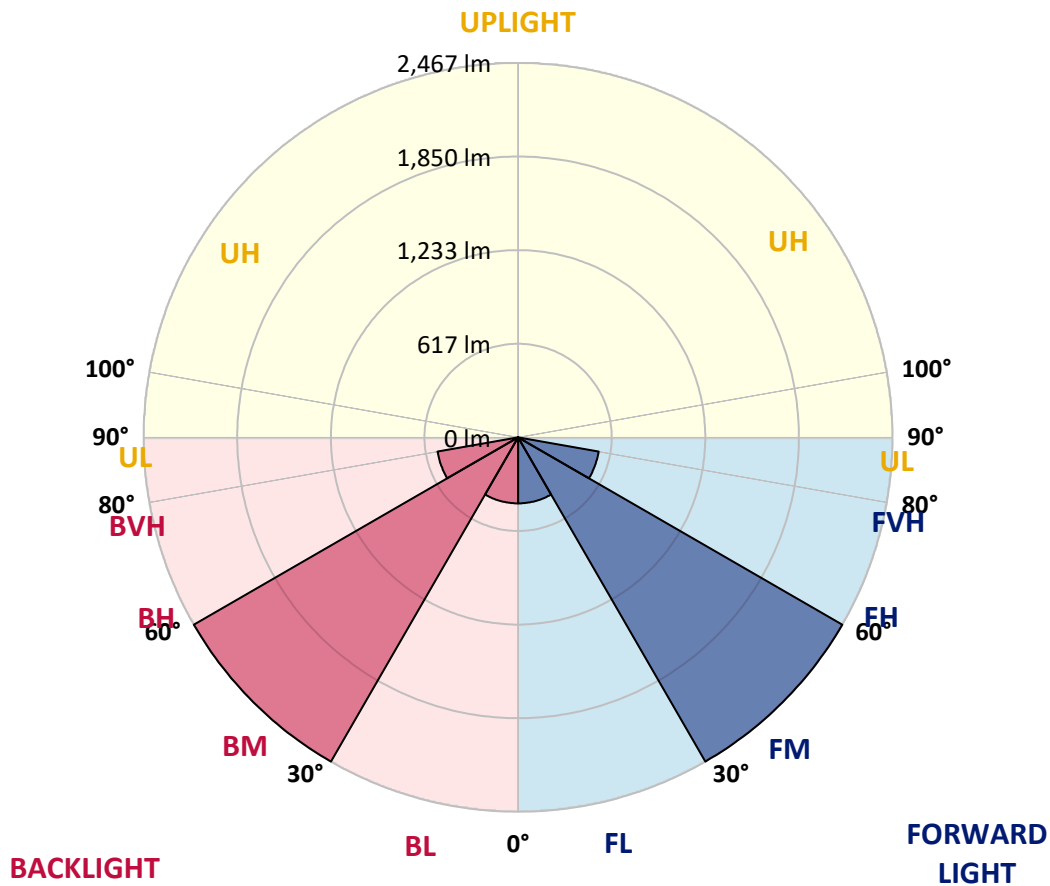
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.1	6.3			
FM (30°-60°)	2466.9	35.8			
FH (60°-80°)	539.3	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	435.1	6.3	B1/500		
BM (30°-60°)	2466.9	35.8	B2/2500		
BH (60°-80°)	539.3	7.8	B2/1000		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°	976.1	976.1	976.1	976.1	976.1	976.1	976.1	976.1	976.1	976.1	976.1
2.5°	966.7	968.6	970.4	971.4	972.3	975.1	976.1	973.3	973.3	967.6	974.2
5°	962.0	963.9	965.8	964.8	964.8	964.8	963.9	960.1	959.2	953.6	960.1
7.5°	953.6	955.4	955.4	952.6	950.8	950.8	949.8	945.1	944.2	938.6	945.1
10°	947.0	947.9	947.0	941.4	937.6	937.6	936.7	934.8	935.8	932.0	937.6
12.5°	950.8	951.7	947.9	940.4	935.8	934.8	932.0	929.2	932.0	931.1	936.7
15°	962.9	963.9	957.3	947.9	944.2	944.2	936.7	929.2	932.9	933.9	940.4
17.5°	977.9	977.9	969.5	961.1	962.0	962.0	949.8	936.7	937.6	941.4	947.9
20°	995.8	995.8	987.3	985.4	992.0	993.0	977.9	957.3	952.6	955.4	962.9
22.5°	1027.6	1027.6	1021.1	1025.8	1040.8	1045.5	1023.0	993.9	982.6	984.5	992.0
25°	1077.3	1077.3	1075.5	1086.7	1108.3	1118.6	1088.6	1050.1	1031.4	1028.6	1037.0
27.5°	1160.8	1161.7	1158.9	1175.8	1203.0	1215.2	1173.9	1123.3	1100.8	1096.1	1104.5
30°	1268.6	1268.6	1269.6	1293.0	1328.6	1344.6	1290.2	1231.1	1204.9	1189.9	1201.1
32.5°	1388.6	1390.5	1399.9	1439.3	1502.1	1534.9	1455.2	1372.7	1330.5	1314.6	1326.7
35°	1586.5	1568.7	1557.4	1586.5	1677.4	1720.6	1618.3	1521.8	1489.9	1488.0	1519.0
37.5°	1782.4	1772.1	1748.7	1778.7	1860.3	1879.9	1767.4	1686.8	1664.3	1676.5	1707.4
40°	1938.1	1919.3	1888.4	1916.5	2023.4	2043.1	1904.3	1824.6	1816.2	1843.4	1885.6
42.5°	2060.9	2034.7	1993.4	2000.0	2086.2	2100.3	1977.5	1917.5	1923.1	1956.8	2004.7
45°	2116.2	2095.6	2059.0	2056.2	2110.6	2111.5	2015.0	1984.0	1999.0	2025.3	2062.8
47.5°	2139.7	2130.3	2109.7	2105.0	2135.9	2128.4	2068.4	2055.3	2069.3	2076.9	2098.4
50°	2197.8	2197.8	2200.6	2204.4	2236.2	2228.7	2186.6	2171.6	2153.7	2127.5	2134.0
52.5°	2361.0	2367.5	2394.7	2424.7	2482.8	2507.2	2438.8	2351.6	2266.3	2209.1	2209.1
55°	2655.4	2661.9	2693.8	2744.4	2851.3	2909.5	2750.1	2557.9	2440.7	2362.8	2373.1
57.5°	2817.6	2825.1	2890.7	3027.6	3234.8	3333.3	2991.0	2706.0	2541.9	2452.8	2460.3
58°	2807.3	2812.0	2886.0	3046.4	3277.0	3383.0	3007.9	2701.3	2528.8	2437.8	2447.2
60°	2494.1	2487.5	2605.7	2834.5	3159.8	3306.1	2840.1	2466.0	2265.3	2172.5	2177.2
62.5°	1630.5	1634.3	1736.5	1975.6	2228.7	2366.6	1984.0	1705.5	1544.3	1488.0	1474.0
65°	680.7	668.5	731.4	864.5	1016.4	1093.3	939.5	795.1	695.7	658.2	668.5
67.5°	175.3	170.6	174.4	218.5	267.2	316.0	265.3	202.5	176.3	178.1	178.1
70°	99.4	93.8	75.9	70.3	68.4	68.4	68.4	68.4	78.8	92.8	95.6
72.5°	75.0	70.3	55.3	47.8	42.2	39.4	41.3	47.8	57.2	69.4	71.3
75°	37.5	37.5	33.8	31.9	28.1	26.3	27.2	30.0	34.7	39.4	38.4
77.5°	7.5	8.4	9.4	11.3	9.4	9.4	9.4	11.3	11.3	12.2	11.3
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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)