

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: P631746

Luminaire Tested: GWS-SA2B-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-735-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

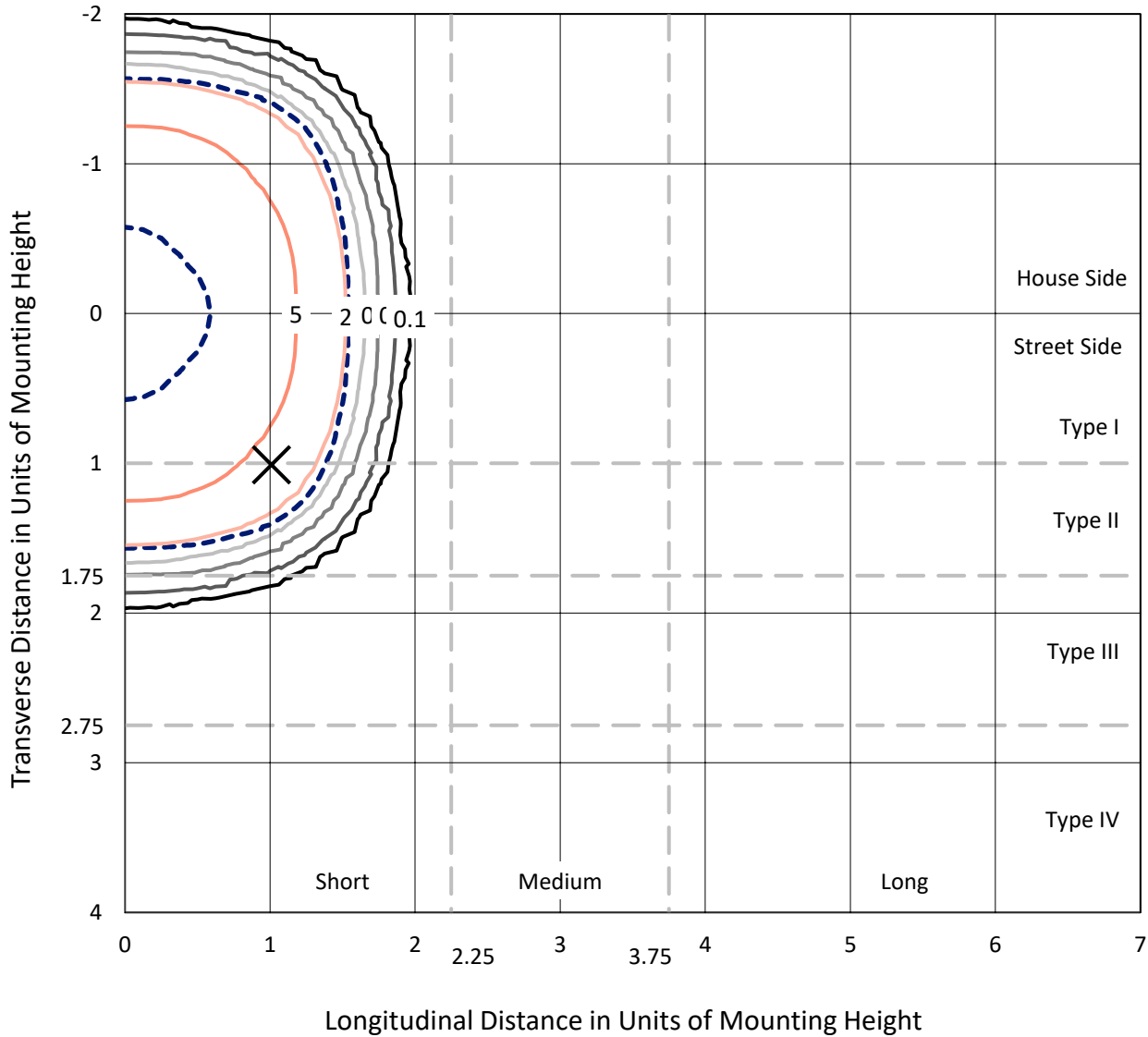
Lumens per Lamp: N/A  
Luminaire Lumens: 4789.7 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

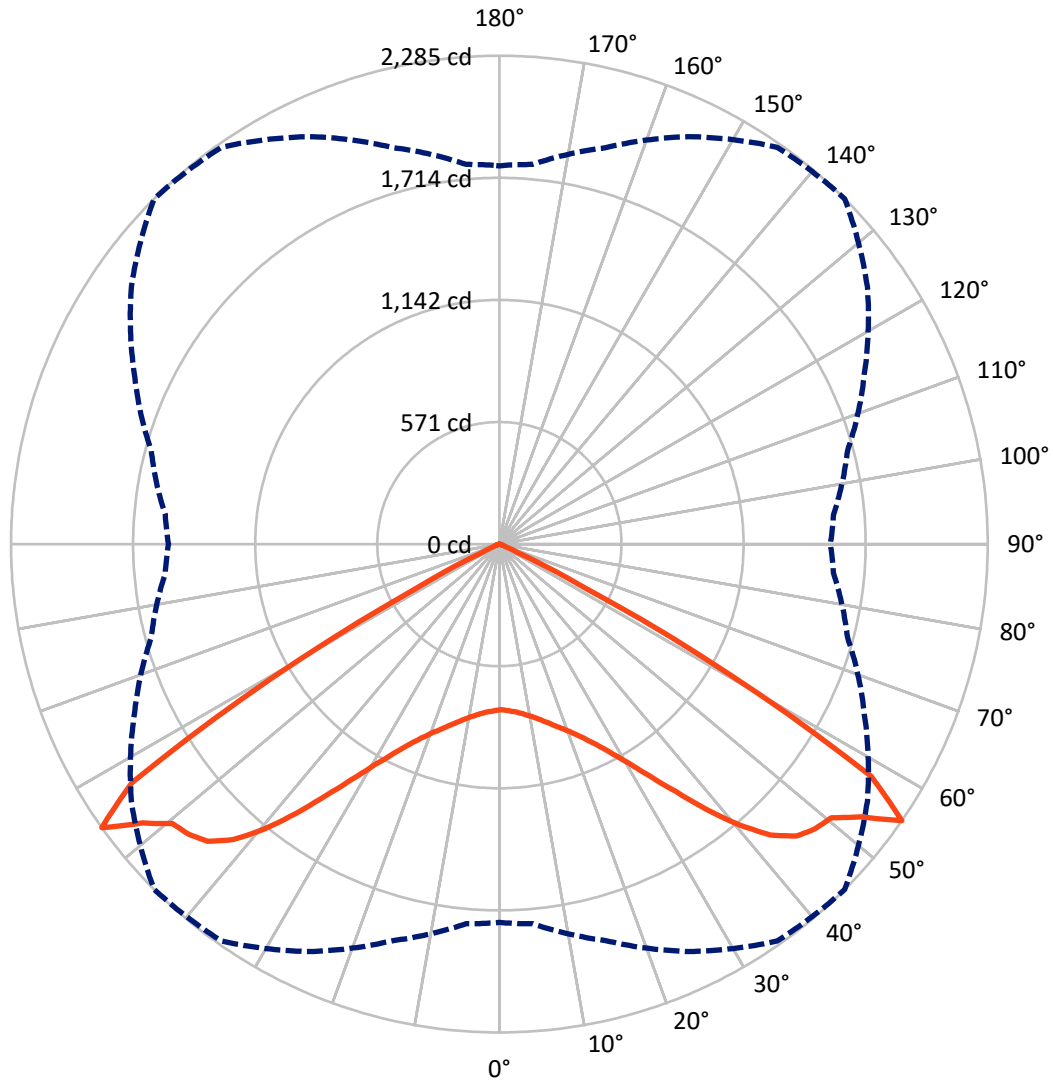
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2394.9	0.0	2394.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2394.9	0.0	2394.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4789.7	0.0	4789.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	1.6
10°-20°	245.9	5.1
20°-30°	476.3	9.9
30°-40°	853.3	17.8
40°-50°	1430.7	29.9
50°-60°	1531.5	32.0
60°-70°	168.3	3.5
70°-80°	7.4	0.2
80°-90°	0.4	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°	4789.7	100.0
0°-180°	4789.7	100.0

**Coefficient of Utilization**



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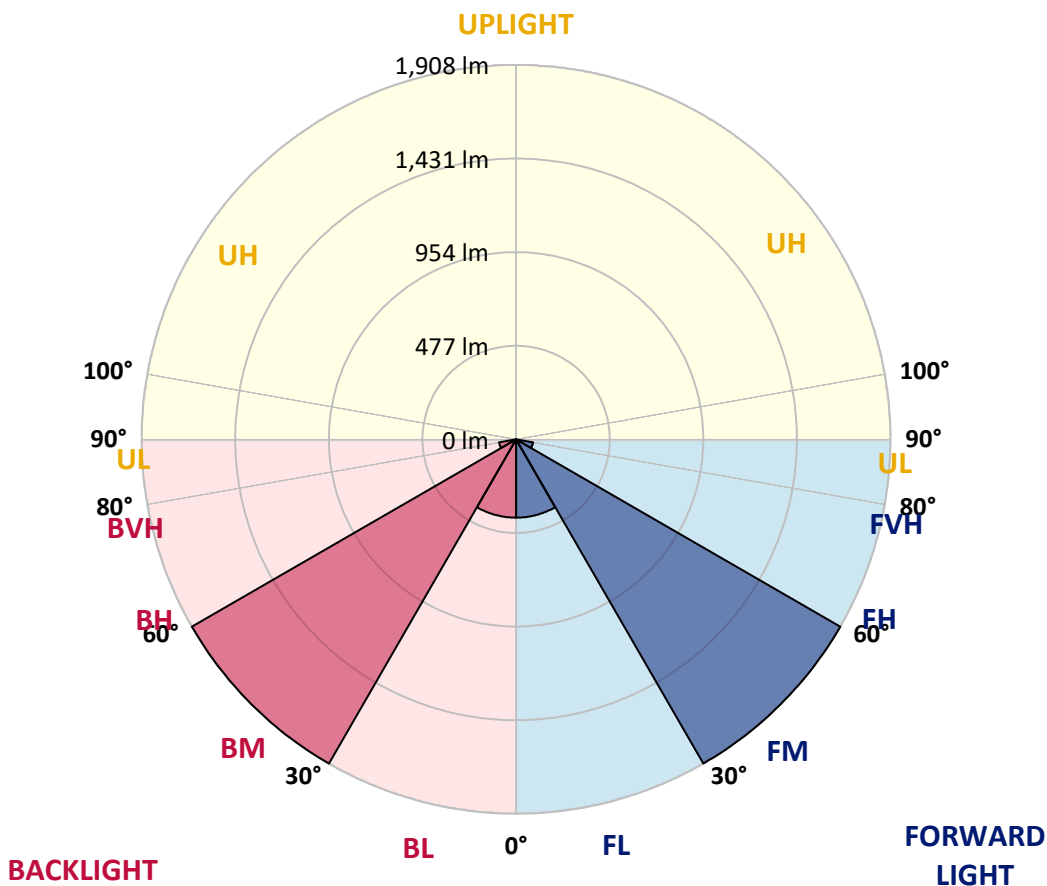
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.1	8.3			
FM (30°-60°)	1907.8	39.8			
FH (60°-80°)	87.9	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	399.1	8.3	B1/500		
BM (30°-60°)	1907.8	39.8	B2/2500		
BH (60°-80°)	87.9	1.8	B0/110		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: 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°	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4	774.4
2.5°	772.9	772.9	774.9	776.4	776.4	780.3	778.8	777.3	777.3	775.4	779.3
5°	784.2	783.7	785.6	786.6	784.6	788.6	786.1	784.6	783.7	781.7	785.6
7.5°	796.4	796.8	797.3	799.3	798.3	802.2	800.3	797.3	796.4	793.4	797.3
10°	811.0	811.0	812.0	814.4	814.9	819.8	817.8	814.4	811.5	808.6	812.5
12.5°	829.5	830.0	831.5	834.9	836.9	842.2	839.3	832.5	828.1	824.7	829.1
15°	856.4	855.9	857.8	862.7	865.2	869.1	864.7	855.4	850.0	846.1	849.1
17.5°	885.7	885.7	886.6	891.5	894.9	900.8	895.4	884.2	879.3	873.9	876.9
20°	917.9	919.3	920.3	923.7	929.6	935.4	931.0	919.8	914.4	907.6	911.0
22.5°	960.3	958.9	959.3	965.2	973.5	979.3	975.9	962.8	953.5	948.1	950.1
25°	1007.6	1007.2	1008.6	1017.4	1026.7	1033.0	1028.1	1011.1	1001.8	992.5	996.4
27.5°	1065.7	1066.2	1067.2	1077.9	1092.6	1101.8	1089.6	1072.5	1059.9	1047.7	1050.6
30°	1134.5	1133.5	1136.5	1151.1	1172.6	1187.2	1173.1	1149.2	1131.1	1119.4	1120.9
32.5°	1207.7	1208.7	1216.5	1239.9	1268.2	1294.1	1265.3	1233.6	1210.2	1188.2	1191.1
35°	1286.8	1289.2	1306.8	1341.4	1387.8	1422.4	1382.4	1330.2	1297.0	1268.7	1269.7
37.5°	1380.0	1385.8	1410.2	1461.9	1528.3	1574.7	1516.1	1446.8	1403.9	1368.7	1366.3
40°	1502.4	1509.3	1542.5	1603.9	1684.5	1726.9	1659.1	1587.8	1534.7	1496.6	1490.7
42.5°	1643.0	1651.8	1687.9	1750.8	1831.3	1860.1	1793.8	1733.7	1685.9	1641.0	1639.1
45°	1801.6	1806.5	1835.7	1884.0	1942.1	1948.9	1899.2	1866.0	1817.7	1775.7	1772.3
47.5°	1950.4	1955.3	1975.3	2000.2	2013.8	1989.4	1980.7	1966.0	1903.6	1851.8	1841.1
50°	2063.6	2067.5	2092.4	2102.2	2064.1	2012.4	2029.5	1998.2	1930.4	1872.3	1855.7
52.5°	2055.8	2065.6	2129.5	2185.1	2161.2	2119.2	2073.4	2006.0	1900.6	1821.1	1800.6
55°	1769.9	1783.0	1920.1	2103.1	2266.6	2284.7	2101.2	1884.0	1685.9	1569.3	1548.3
57.5°	1137.4	1140.9	1308.2	1564.9	1933.3	2049.5	1742.5	1420.5	1174.0	1045.7	1036.9
60°	418.2	411.4	537.7	750.5	1113.5	1236.5	1025.7	718.3	512.4	421.6	414.3
62.5°	100.5	101.5	125.9	188.8	349.4	432.3	341.6	190.8	121.5	102.0	101.0
65°	50.7	49.8	50.3	54.2	74.7	89.3	73.2	51.7	49.8	50.3	49.8
67.5°	32.7	32.2	33.2	33.7	33.2	31.2	30.7	31.7	31.7	32.2	31.2
70°	20.0	19.5	20.5	22.0	21.0	18.5	19.5	20.5	19.5	19.0	19.0
72.5°	10.7	10.7	11.7	12.7	11.7	10.7	10.7	11.2	10.7	10.7	10.7
75°	4.9	4.9	5.4	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
77.5°	1.5	1.5	2.0	2.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
80°	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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)