

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: P631804

Luminaire Tested: GWS-SA2B-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631804  
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-SA2B-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3631.8 lumens  
Efficiency: N/A  
Efficacy: 78.3 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

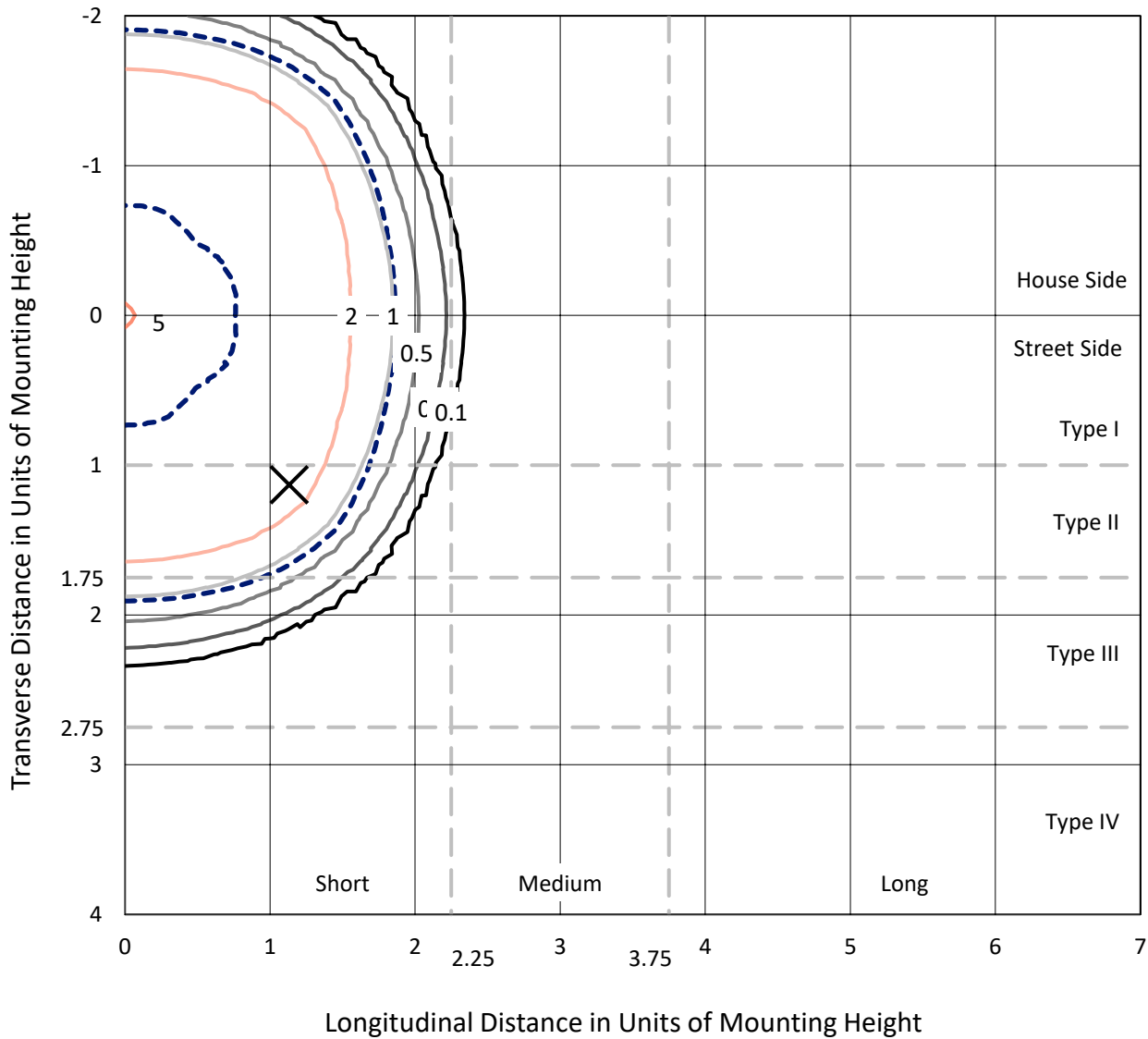


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### Iso-Footcandle Lines of Horizontal Illumination

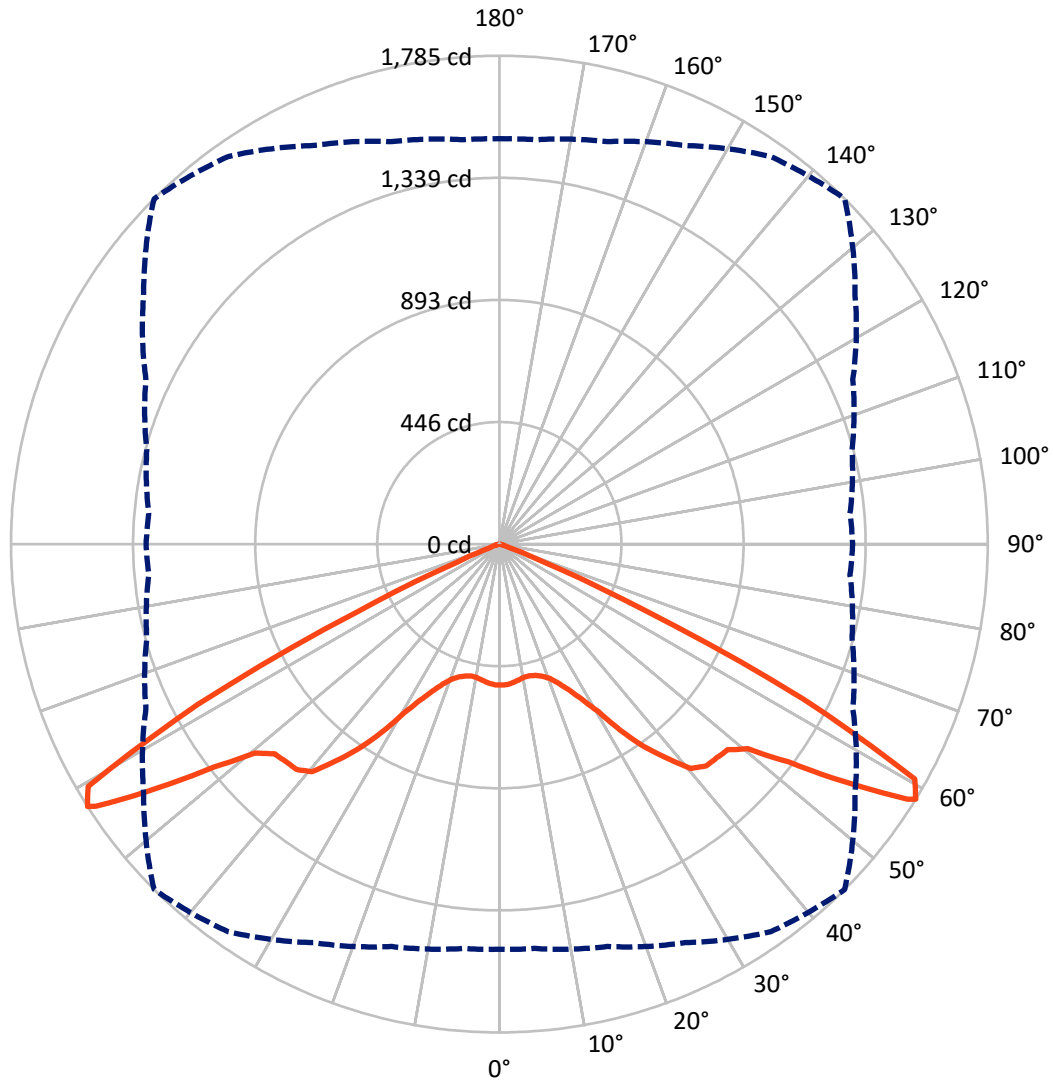
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	1815.9	0.0	1815.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1815.9	0.0	1815.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3631.8	0.0	3631.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	1.3
10°-20°	142.2	3.9
20°-30°	268.9	7.4
30°-40°	530.4	14.6
40°-50°	839.3	23.1
50°-60°	1233.7	34.0
60°-70°	550.7	15.2
70°-80°	18.4	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°	3631.8	100.0
0°-180°	3631.8	100.0

**Coefficient of Utilization**



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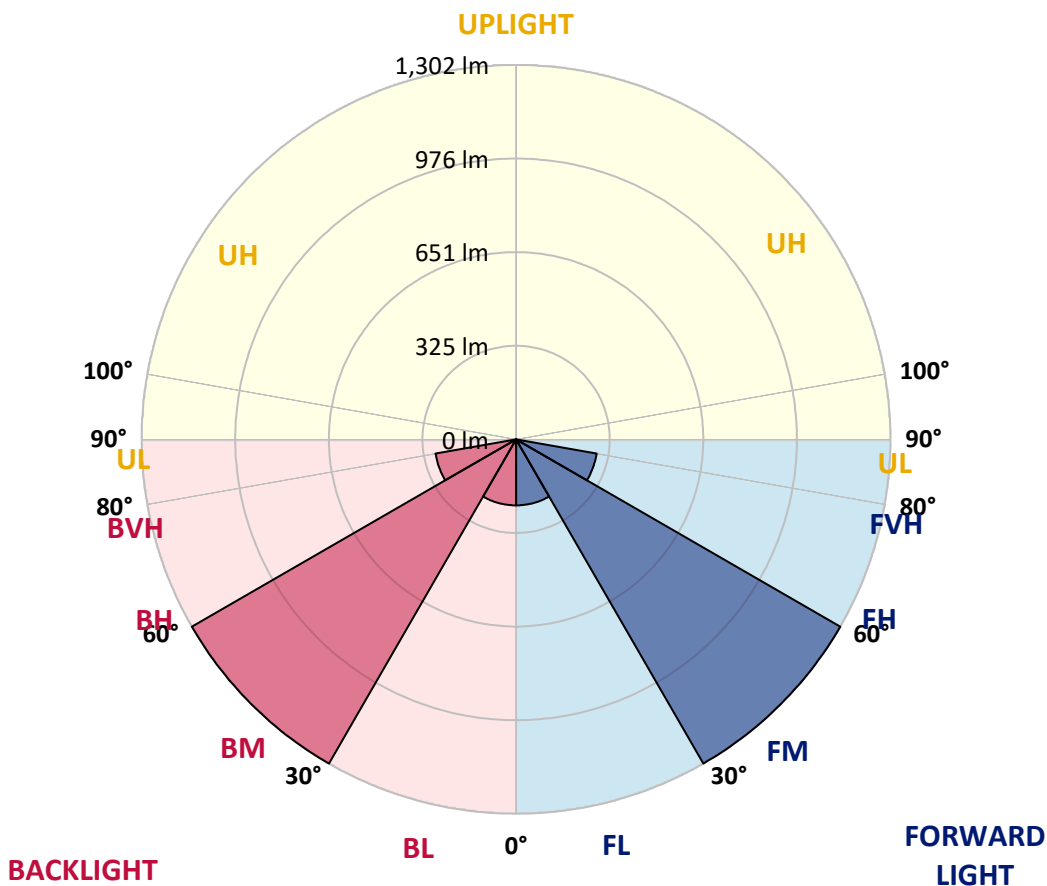
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.6	6.3			
FM (30°-60°)	1301.7	35.8			
FH (60°-80°)	284.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	229.6	6.3	B1/500		
BM (30°-60°)	1301.7	35.8	B2/2500		
BH (60°-80°)	284.6	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°	515.0	515.0	515.0	515.0	515.0	515.0	515.0	515.0	515.0	515.0	515.0
2.5°	510.1	511.1	512.1	512.6	513.1	514.5	515.0	513.6	513.6	510.6	514.0
5°	507.6	508.6	509.6	509.1	509.1	509.1	508.6	506.6	506.1	503.2	506.6
7.5°	503.2	504.2	504.2	502.7	501.7	501.7	501.2	498.7	498.2	495.2	498.7
10°	499.7	500.2	499.7	496.7	494.8	494.8	494.3	493.3	493.8	491.8	494.8
12.5°	501.7	502.2	500.2	496.2	493.8	493.3	491.8	490.3	491.8	491.3	494.3
15°	508.1	508.6	505.1	500.2	498.2	498.2	494.3	490.3	492.3	492.8	496.2
17.5°	516.0	516.0	511.6	507.1	507.6	507.6	501.2	494.3	494.8	496.7	500.2
20°	525.4	525.4	521.0	520.0	523.4	523.9	516.0	505.1	502.7	504.2	508.1
22.5°	542.2	542.2	538.8	541.3	549.2	551.6	539.8	524.4	518.5	519.5	523.4
25°	568.5	568.5	567.5	573.4	584.8	590.2	574.4	554.1	544.2	542.7	547.2
27.5°	612.5	613.0	611.5	620.4	634.8	641.2	619.4	592.7	580.8	578.4	582.8
30°	669.4	669.4	669.9	682.3	701.1	709.5	680.8	649.6	635.8	627.8	633.8
32.5°	732.7	733.7	738.7	759.4	792.6	809.9	767.9	724.3	702.1	693.6	700.1
35°	837.1	827.7	821.8	837.1	885.1	907.9	853.9	803.0	786.2	785.2	801.5
37.5°	940.5	935.1	922.7	938.5	981.6	992.0	932.6	890.1	878.2	884.6	900.9
40°	1022.7	1012.8	996.4	1011.3	1067.7	1078.1	1004.8	962.8	958.3	972.7	994.9
42.5°	1087.5	1073.6	1051.8	1055.3	1100.8	1108.2	1043.4	1011.8	1014.7	1032.5	1057.8
45°	1116.7	1105.8	1086.5	1085.0	1113.7	1114.2	1063.2	1046.9	1054.8	1068.7	1088.5
47.5°	1129.0	1124.1	1113.2	1110.7	1127.0	1123.1	1091.4	1084.5	1091.9	1095.9	1107.3
50°	1159.7	1159.7	1161.2	1163.2	1180.0	1176.0	1153.8	1145.8	1136.4	1122.6	1126.1
52.5°	1245.8	1249.3	1263.6	1279.4	1310.1	1323.0	1286.9	1240.8	1195.8	1165.6	1165.6
55°	1401.1	1404.6	1421.4	1448.1	1504.5	1535.2	1451.1	1349.7	1287.8	1246.8	1252.2
57.5°	1486.7	1490.7	1525.3	1597.6	1706.9	1758.8	1578.3	1427.9	1341.3	1294.3	1298.2
58°	1481.3	1483.8	1522.8	1607.5	1729.2	1785.1	1587.2	1425.4	1334.3	1286.4	1291.3
60°	1316.0	1312.6	1374.9	1495.6	1667.3	1744.5	1498.6	1301.2	1195.3	1146.3	1148.8
62.5°	860.4	862.4	916.3	1042.4	1176.0	1248.8	1046.9	900.0	814.9	785.2	777.8
65°	359.2	352.8	385.9	456.2	536.3	576.9	495.7	419.6	367.1	347.3	352.8
67.5°	92.5	90.0	92.0	115.3	141.0	166.7	140.0	106.9	93.0	94.0	94.0
70°	52.4	49.5	40.1	37.1	36.1	36.1	36.1	36.1	41.6	49.0	50.5
72.5°	39.6	37.1	29.2	25.2	22.3	20.8	21.8	25.2	30.2	36.6	37.6
75°	19.8	19.8	17.8	16.8	14.8	13.9	14.3	15.8	18.3	20.8	20.3
77.5°	4.0	4.5	4.9	5.9	4.9	4.9	4.9	5.9	5.9	6.4	5.9
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	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	0.0	0.5	0.5
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)