

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: P632298

Luminaire Tested: GWS-SA2C-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632298  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

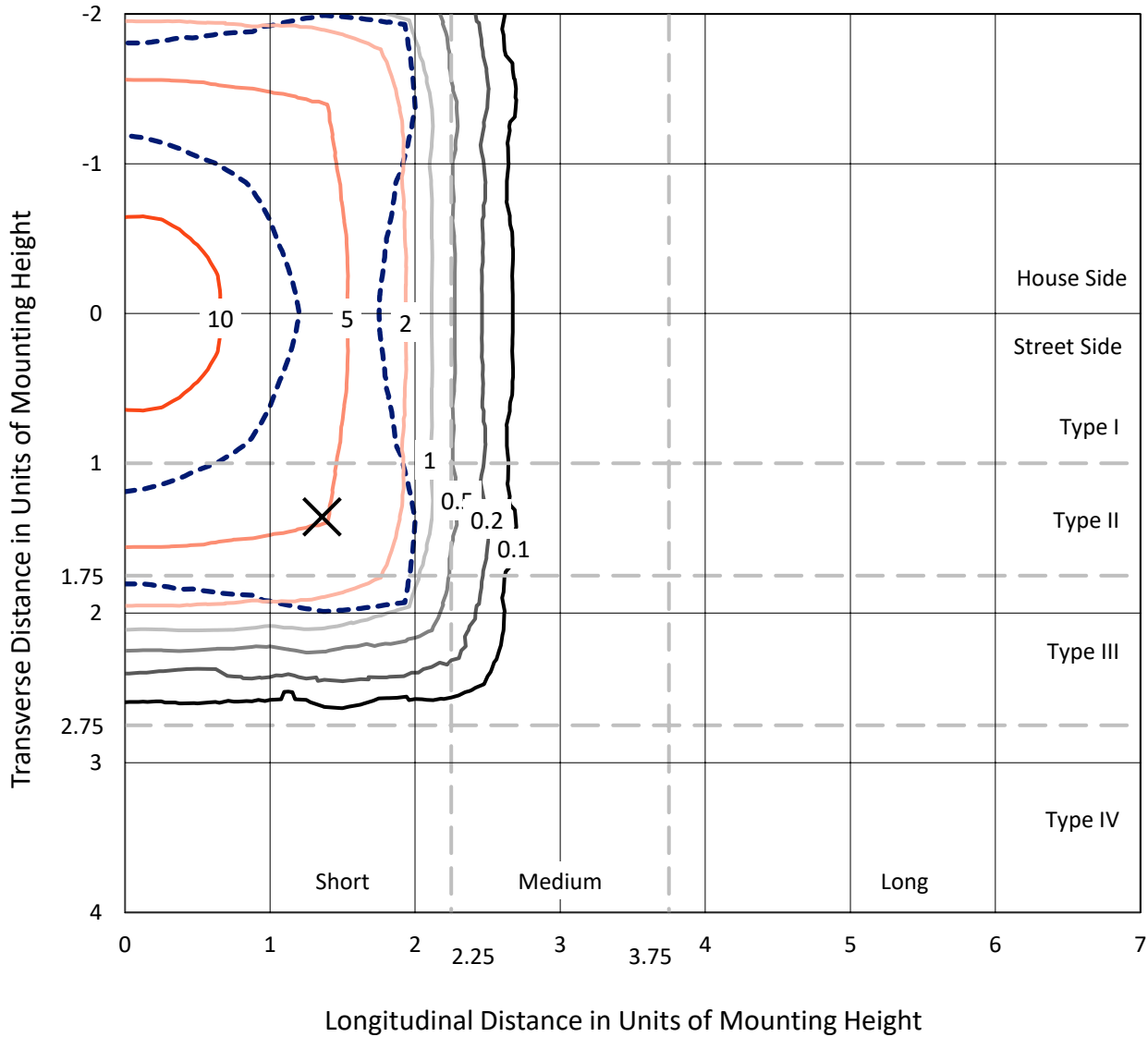
Lumens per Lamp: N/A  
Luminaire Lumens: 9673.6 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632298  
 CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W

### Iso-Footcandle Lines of Horizontal Illumination

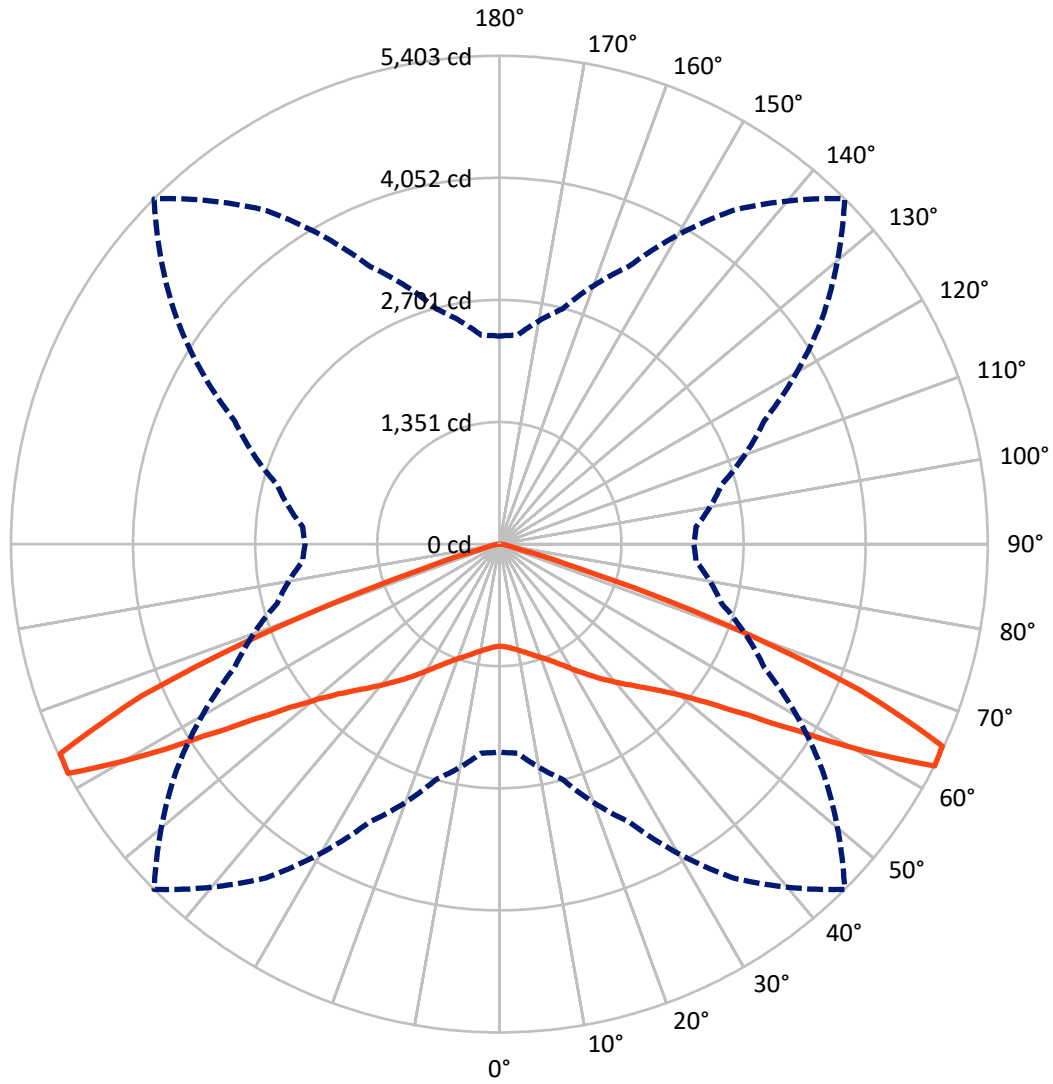
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P632298  
CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P632298

CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4836.8	0.0	4836.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4836.8	0.0	4836.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9673.6	0.0	9673.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.7	1.1
10°-20°	357.1	3.7
20°-30°	675.5	7.0
30°-40°	1137.0	11.8
40°-50°	1816.7	18.8
50°-60°	2928.4	30.3
60°-70°	2389.2	24.7
70°-80°	232.0	2.4
80°-90°	27.0	0.3
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°	9673.6	100.0
0°-180°	9673.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632298

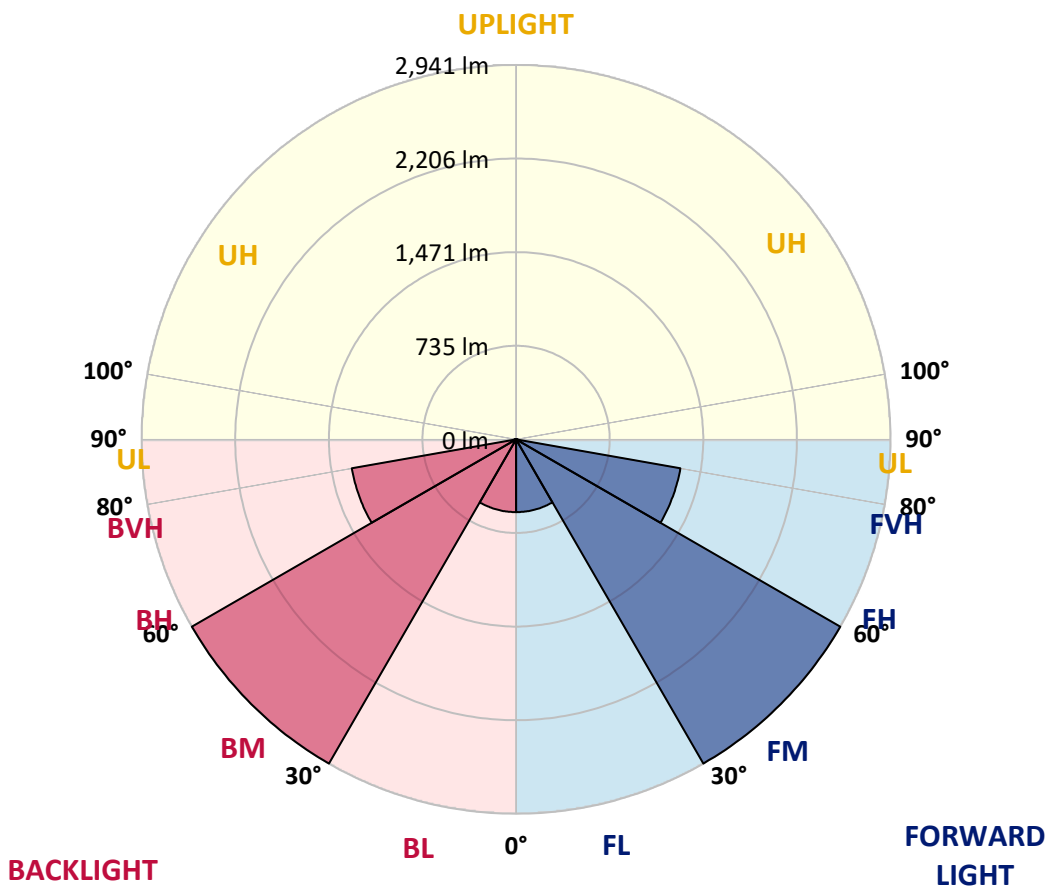
CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.7	5.9			
FM (30°-60°)	2941.0	30.4			
FH (60°-80°)	1310.6	13.5			G1/1800
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	571.7	5.9	B2/1000		
BM (30°-60°)	2941.0	30.4	B3/5000		
BH (60°-80°)	1310.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	13.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





REPORT NUMBER: P632298  
 CATALOG NUMBER: GWS-SA2C-740-U-5NQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6
2.5°	1127.2	1127.2	1129.9	1131.9	1130.5	1135.9	1135.2	1133.9	1133.2	1131.2	1137.2
5°	1142.5	1142.5	1144.5	1146.5	1143.2	1149.8	1147.1	1145.8	1145.1	1142.5	1147.8
7.5°	1159.7	1161.7	1162.4	1165.7	1163.7	1171.0	1169.0	1166.4	1165.0	1161.7	1166.4
10°	1179.0	1180.3	1181.0	1186.9	1187.6	1196.2	1194.2	1190.9	1188.3	1185.0	1191.6
12.5°	1204.9	1205.5	1207.5	1214.8	1216.8	1223.4	1222.8	1218.1	1214.8	1210.2	1217.5
15°	1238.0	1238.7	1242.0	1249.3	1252.6	1260.6	1257.9	1250.6	1246.0	1240.7	1246.7
17.5°	1272.5	1275.2	1278.5	1285.8	1290.4	1299.7	1296.4	1288.5	1284.5	1279.2	1283.1
20°	1317.0	1317.6	1319.6	1327.6	1330.9	1341.5	1342.2	1334.2	1332.2	1326.9	1332.9
22.5°	1366.1	1366.7	1368.7	1377.4	1383.3	1390.0	1393.9	1389.3	1386.0	1379.3	1386.6
25°	1420.5	1427.1	1429.1	1439.7	1446.4	1450.3	1455.0	1453.0	1448.3	1440.4	1443.7
27.5°	1496.8	1498.1	1501.4	1513.4	1517.3	1521.3	1526.0	1526.6	1520.0	1510.7	1515.4
30°	1583.7	1583.0	1590.3	1599.6	1602.9	1606.3	1612.9	1616.9	1608.2	1598.3	1602.9
32.5°	1672.6	1680.6	1689.8	1698.5	1696.5	1697.8	1708.4	1715.7	1703.8	1685.9	1689.8
35°	1772.8	1778.1	1790.0	1802.6	1800.0	1798.0	1804.6	1811.9	1795.3	1772.1	1778.1
37.5°	1875.6	1883.6	1901.5	1916.8	1912.8	1903.5	1910.8	1918.7	1902.8	1876.3	1873.6
40°	1990.4	2003.0	2028.9	2041.5	2030.9	2013.0	2025.6	2044.8	2028.9	1998.4	1991.1
42.5°	2125.1	2140.3	2166.2	2185.5	2162.2	2133.0	2154.3	2182.1	2178.2	2137.7	2125.1
45°	2291.6	2301.6	2333.4	2342.7	2308.2	2267.7	2306.2	2348.7	2338.7	2294.9	2278.3
47.5°	2472.7	2488.0	2515.9	2533.1	2477.4	2427.0	2480.7	2537.8	2527.1	2486.0	2466.8
50°	2703.6	2723.5	2760.0	2774.6	2697.7	2639.9	2708.9	2781.3	2760.7	2705.6	2680.4
52.5°	2955.1	2971.0	3033.4	3062.6	2990.2	2927.9	2988.3	3059.2	3015.5	2942.5	2908.6
55°	3176.7	3192.6	3284.2	3381.0	3377.7	3334.6	3365.1	3366.4	3247.7	3126.9	3091.1
57.5°	3224.4	3240.4	3414.9	3668.3	3847.4	3897.2	3807.6	3619.2	3320.0	3108.3	3067.9
60°	2969.7	2987.6	3264.9	3728.0	4317.2	4649.6	4236.9	3613.9	3096.4	2809.8	2771.3
62.5°	2300.9	2320.1	2693.0	3388.3	4506.9	5402.6	4361.6	3233.7	2547.0	2184.1	2150.3
65°	1098.7	1098.7	1572.4	2430.3	4128.7	5384.7	4000.7	2392.5	1533.3	1177.7	1148.5
67.5°	272.0	273.3	404.7	946.1	2808.5	4297.3	2854.2	1148.5	540.1	382.2	372.2
70°	169.8	169.2	187.8	256.1	982.6	2608.1	1167.0	346.3	219.6	193.7	192.4
72.5°	132.0	132.0	141.3	163.9	257.4	888.4	340.4	192.4	159.2	143.3	143.3
75°	104.2	104.2	110.8	122.7	151.9	228.9	181.1	142.6	123.4	112.8	111.5
77.5°	77.6	79.0	84.3	92.2	103.5	128.7	114.8	107.5	96.2	88.2	85.6
80°	50.4	52.4	59.0	63.7	67.7	84.9	75.0	78.3	73.0	63.7	62.4
82.5°	27.2	27.9	35.8	37.2	38.5	46.4	47.8	49.8	51.8	40.5	37.8
85°	10.0	10.0	11.9	13.9	15.3	16.6	22.6	27.9	29.2	23.2	22.6
87.5°	2.0	2.0	2.0	1.3	1.3	1.3	4.0	7.3	11.9	9.3	9.3
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)