

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: P636864

Luminaire Tested: GWS-SA4B-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636864  
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-SA4B-760-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

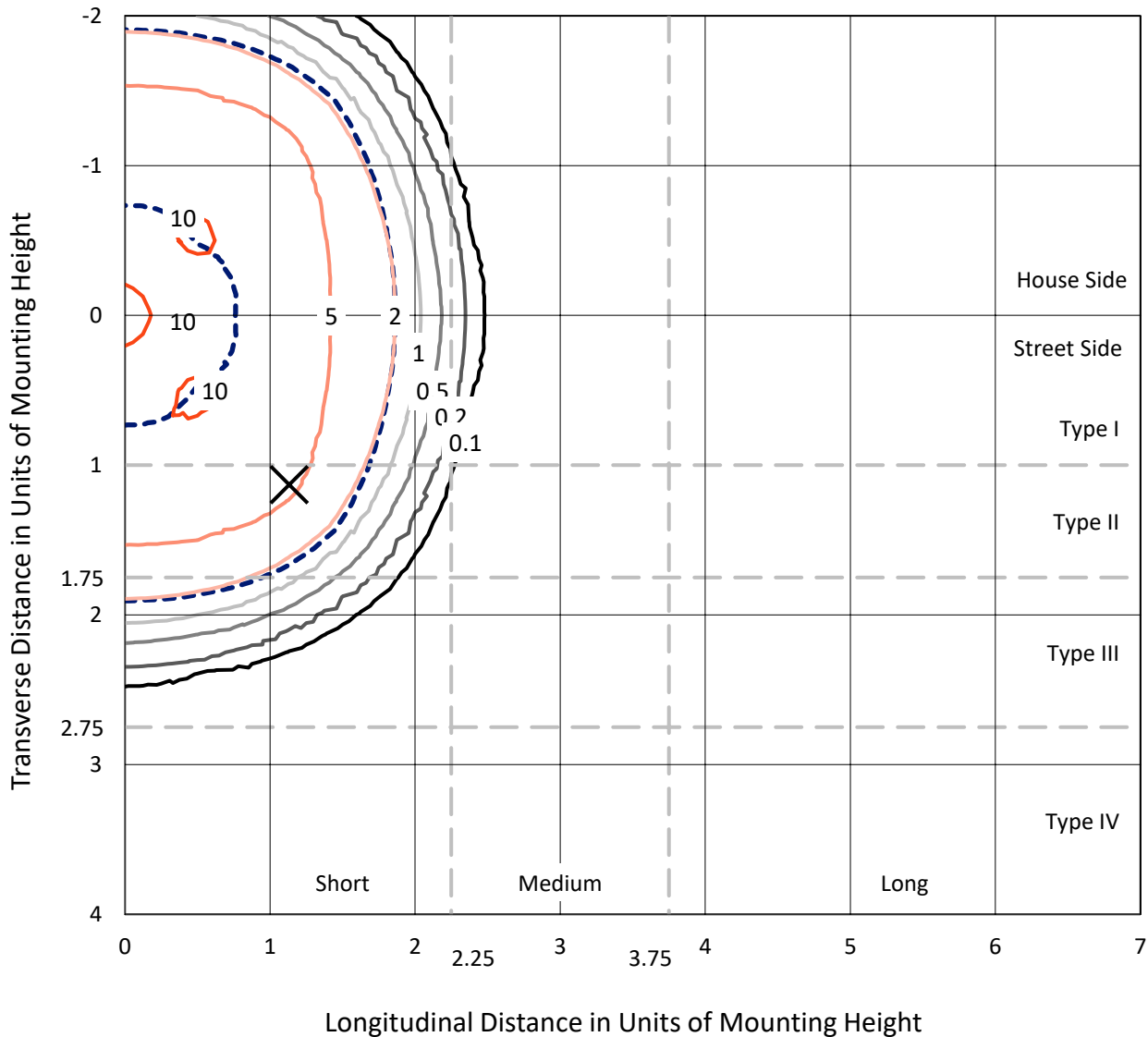
Lumens per Lamp: N/A  
Luminaire Lumens: 7684.9 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P636864  
 CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

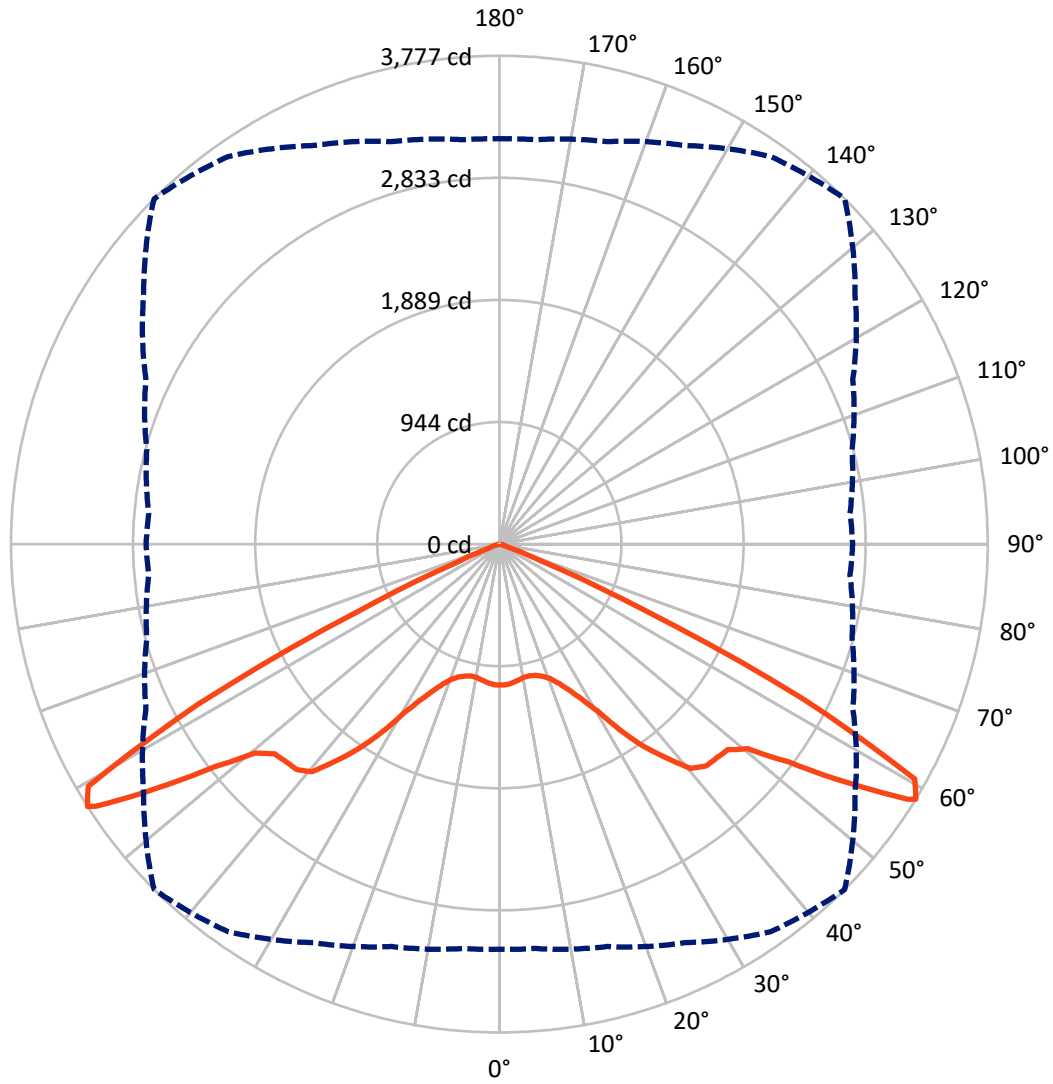
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P636864  
CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636864

CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3842.4	0.0	3842.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3842.4	0.0	3842.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7684.9	0.0	7684.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.7	1.3
10°-20°	300.9	3.9
20°-30°	569.0	7.4
30°-40°	1122.3	14.6
40°-50°	1775.9	23.1
50°-60°	2610.5	34.0
60°-70°	1165.2	15.2
70°-80°	39.0	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°	7684.9	100.0
0°-180°	7684.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636864

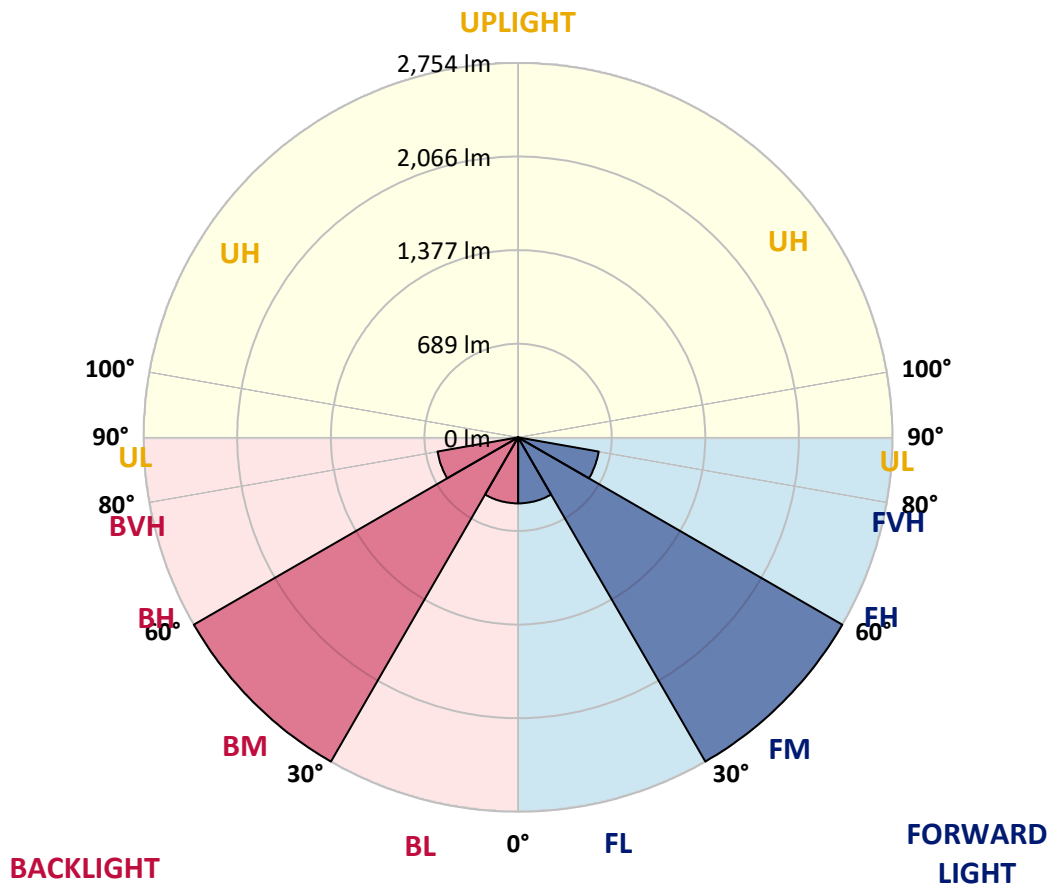
CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.8	6.3			
FM (30°-60°)	2754.4	35.8			
FH (60°-80°)	602.1	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	485.8	6.3	B1/500		
BM (30°-60°)	2754.4	35.8	B3/5000		
BH (60°-80°)	602.1	7.8	B2/1000		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: B3-U0-G0**

Type V Short





REPORT NUMBER: P636864

CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8	1089.8
2.5°	1079.4	1081.4	1083.5	1084.6	1085.6	1088.8	1089.8	1086.7	1086.7	1080.4	1087.7
5°	1074.1	1076.2	1078.3	1077.3	1077.3	1077.3	1076.2	1072.0	1071.0	1064.7	1072.0
7.5°	1064.7	1066.8	1066.8	1063.6	1061.6	1061.6	1060.5	1055.3	1054.2	1047.9	1055.3
10°	1057.4	1058.4	1057.4	1051.1	1046.9	1046.9	1045.9	1043.8	1044.8	1040.6	1046.9
12.5°	1061.6	1062.6	1058.4	1050.0	1044.8	1043.8	1040.6	1037.5	1040.6	1039.6	1045.9
15°	1075.2	1076.2	1068.9	1058.4	1054.2	1054.2	1045.9	1037.5	1041.7	1042.7	1050.0
17.5°	1091.9	1091.9	1082.5	1073.1	1074.1	1074.1	1060.5	1045.9	1046.9	1051.1	1058.4
20°	1111.8	1111.8	1102.4	1100.3	1107.6	1108.7	1091.9	1068.9	1063.6	1066.8	1075.2
22.5°	1147.4	1147.4	1140.1	1145.3	1162.1	1167.3	1142.2	1109.7	1097.1	1099.2	1107.6
25°	1202.9	1202.9	1200.8	1213.4	1237.4	1248.9	1215.4	1172.5	1151.6	1148.4	1157.9
27.5°	1296.1	1297.1	1294.0	1312.8	1343.2	1356.8	1310.7	1254.2	1229.1	1223.8	1233.2
30°	1416.5	1416.5	1417.5	1443.7	1483.5	1501.3	1440.5	1374.6	1345.3	1328.5	1341.1
32.5°	1550.5	1552.6	1563.0	1607.0	1677.1	1713.8	1624.8	1532.7	1485.5	1467.8	1481.4
35°	1771.4	1751.5	1738.9	1771.4	1872.9	1921.1	1806.9	1699.1	1663.5	1661.4	1696.0
37.5°	1990.2	1978.6	1952.5	1986.0	2077.0	2099.0	1973.4	1883.4	1858.2	1871.9	1906.4
40°	2163.9	2143.0	2108.5	2139.9	2259.2	2281.2	2126.3	2037.3	2027.8	2058.2	2105.3
42.5°	2301.1	2271.8	2225.7	2233.0	2329.3	2345.1	2207.9	2140.9	2147.2	2184.9	2238.3
45°	2362.8	2339.8	2299.0	2295.8	2356.6	2357.6	2249.8	2215.2	2232.0	2261.3	2303.2
47.5°	2389.0	2378.6	2355.5	2350.3	2384.8	2376.5	2309.5	2294.8	2310.5	2318.9	2343.0
50°	2453.9	2453.9	2457.1	2461.3	2496.9	2488.5	2441.4	2424.6	2404.7	2375.4	2382.7
52.5°	2636.1	2643.4	2673.8	2707.3	2772.2	2799.4	2723.0	2625.6	2530.4	2466.5	2466.5
55°	2964.8	2972.1	3007.7	3064.3	3183.6	3248.5	3070.6	2855.9	2725.1	2638.2	2649.7
57.5°	3145.9	3154.3	3227.6	3380.4	3611.8	3721.7	3339.6	3021.3	2838.1	2738.7	2747.1
58°	3134.4	3139.6	3222.4	3401.4	3658.9	3777.2	3358.4	3016.1	2823.5	2721.9	2732.4
60°	2784.7	2777.4	2909.3	3164.8	3528.0	3691.4	3171.1	2753.3	2529.3	2425.7	2430.9
62.5°	1820.6	1824.7	1938.9	2205.8	2488.5	2642.4	2215.2	1904.3	1724.2	1661.4	1645.7
65°	760.0	746.4	816.6	965.2	1134.8	1220.7	1049.0	887.8	776.8	734.9	746.4
67.5°	195.8	190.5	194.7	243.9	298.4	352.8	296.3	226.1	196.8	198.9	198.9
70°	111.0	104.7	84.8	78.5	76.4	76.4	76.4	76.4	87.9	103.6	106.8
72.5°	83.8	78.5	61.8	53.4	47.1	44.0	46.1	53.4	63.9	77.5	79.6
75°	41.9	41.9	37.7	35.6	31.4	29.3	30.4	33.5	38.7	44.0	42.9
77.5°	8.4	9.4	10.5	12.6	10.5	10.5	10.5	12.6	12.6	13.6	12.6
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)