

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: P636805

Luminaire Tested: GWS-SA4B-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

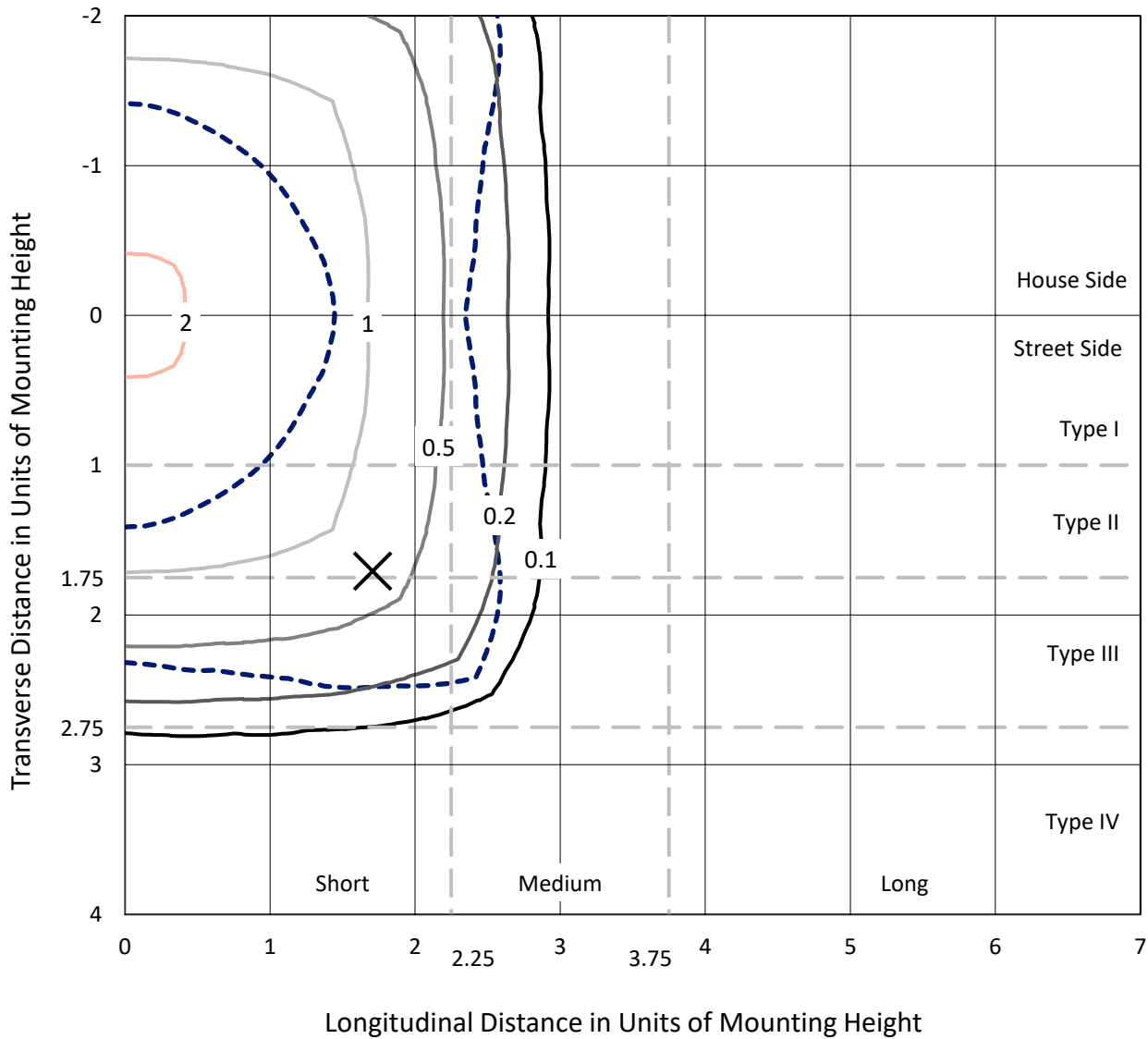
Lumens per Lamp: N/A  
Luminaire Lumens: 15333 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P636805  
 CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W

### Iso-Footcandle Lines of Horizontal Illumination

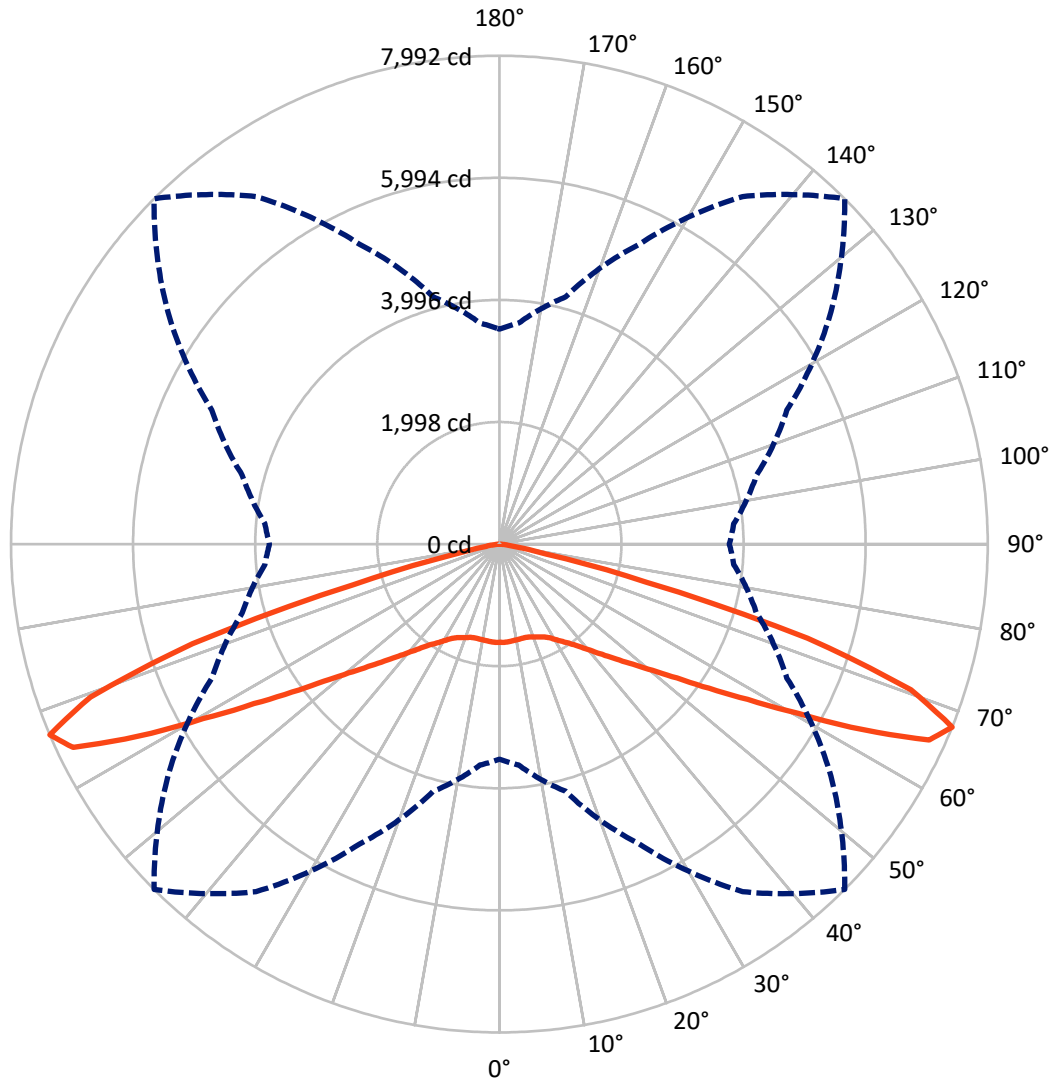
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P636805  
CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P636805

CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7666.5	0.0	7666.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7666.5	0.0	7666.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15333.0	0.0	15333.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.0	1.0
10°-20°	446.4	2.9
20°-30°	769.9	5.0
30°-40°	1251.9	8.2
40°-50°	2108.0	13.7
50°-60°	3735.0	24.4
60°-70°	5338.9	34.8
70°-80°	1465.3	9.6
80°-90°	65.6	0.4
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°	15333.0	100.0
0°-180°	15333.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636805

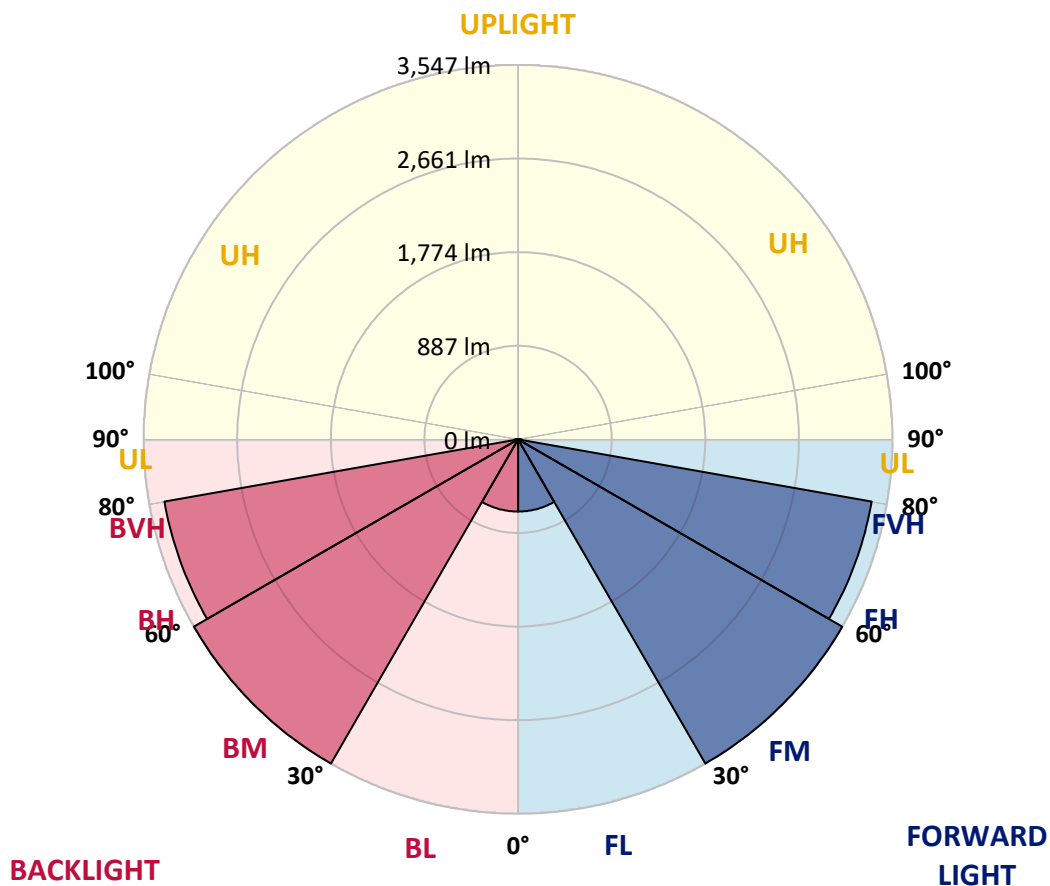
CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	684.2	4.5			
FM (30°-60°)	3547.4	23.1			
FH (60°-80°)	3402.1	22.2			G2/5000
FVH (80°-90°)	32.8	0.2			G1/100
BL (0°-30°)	684.2	4.5	B2/1000		
BM (30°-60°)	3547.4	23.1	B3/5000		
BH (60°-80°)	3402.1	22.2	B4/5000		G2/5000
BVH (80°-90°)	32.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





REPORT NUMBER: P636805  
 CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1595.2	1594.2	1599.5	1602.7	1601.6	1609.0	1608.0	1605.9	1605.9	1602.7	1611.2
5°	1595.2	1594.2	1598.4	1599.5	1597.4	1603.7	1601.6	1599.5	1599.5	1595.2	1602.7
7.5°	1586.8	1587.8	1591.0	1593.1	1591.0	1596.3	1593.1	1588.9	1587.8	1583.6	1591.0
10°	1570.8	1571.9	1575.1	1580.4	1581.4	1591.0	1585.7	1578.3	1575.1	1570.8	1578.3
12.5°	1561.3	1562.3	1565.5	1571.9	1574.0	1586.8	1581.4	1569.8	1564.5	1560.2	1567.7
15°	1559.2	1560.2	1564.5	1570.8	1574.0	1586.8	1581.4	1567.7	1560.2	1554.9	1561.3
17.5°	1559.2	1561.3	1567.7	1577.2	1583.6	1596.3	1589.9	1574.0	1563.4	1553.9	1560.2
20°	1560.2	1563.4	1573.0	1586.8	1602.7	1620.7	1612.2	1591.0	1576.1	1564.5	1568.7
22.5°	1569.8	1575.1	1586.8	1604.8	1628.2	1649.4	1641.9	1613.3	1592.1	1576.1	1580.4
25°	1602.7	1604.8	1619.7	1643.0	1665.3	1683.3	1675.9	1649.4	1622.8	1603.7	1609.0
27.5°	1661.1	1666.4	1679.1	1703.5	1722.6	1732.2	1731.1	1713.1	1686.5	1669.5	1673.8
30°	1731.1	1736.4	1753.4	1781.0	1800.1	1810.7	1807.5	1793.7	1769.3	1746.0	1750.2
32.5°	1812.8	1815.0	1835.1	1865.9	1886.1	1902.0	1891.4	1876.5	1845.7	1818.1	1820.3
35°	1916.8	1920.0	1941.3	1969.9	1985.8	1998.6	1996.4	1981.6	1948.7	1919.0	1926.4
37.5°	2047.4	2049.5	2068.6	2104.7	2117.4	2127.0	2129.1	2121.7	2087.7	2049.5	2056.9
40°	2209.8	2210.8	2232.1	2263.9	2277.7	2284.1	2285.1	2286.2	2251.2	2222.5	2220.4
42.5°	2398.7	2404.0	2433.7	2464.5	2470.9	2467.7	2478.3	2488.9	2455.0	2415.7	2418.9
45°	2624.8	2628.0	2668.3	2702.3	2690.6	2680.0	2700.1	2721.4	2690.6	2639.6	2624.8
47.5°	2892.2	2898.6	2942.1	2976.1	2957.0	2937.9	2970.8	2993.1	2943.2	2889.1	2875.3
50°	3194.7	3199.0	3260.5	3303.0	3280.7	3245.7	3287.1	3310.4	3243.6	3176.7	3147.0
52.5°	3552.4	3543.9	3625.7	3700.0	3686.2	3640.5	3674.5	3678.7	3579.0	3484.5	3454.8
55°	3988.7	3980.2	4061.9	4143.6	4177.6	4165.9	4150.0	4124.5	3977.0	3876.1	3848.5
57.5°	4497.0	4470.5	4585.1	4695.5	4769.8	4791.1	4723.1	4663.7	4546.9	4422.8	4390.9
60°	4969.4	4968.3	5149.8	5340.8	5544.6	5629.5	5457.6	5296.3	5034.1	4808.0	4762.4
62.5°	5102.0	5124.3	5421.5	5894.9	6398.0	6698.3	6245.1	5711.3	5205.0	4864.3	4803.8
65°	4775.1	4830.3	5252.7	6000.0	6993.4	7727.9	6704.7	5720.8	5015.0	4590.5	4526.8
67.5°	3519.5	3629.9	4189.3	5414.1	6942.5	7992.2	6623.0	5191.2	4355.9	3850.7	3762.6
70°	1736.4	1841.5	2285.1	3562.0	5712.3	7144.1	5730.4	3912.2	2942.1	2456.0	2375.4
72.5°	638.9	681.4	855.5	1524.1	3152.3	5277.2	3918.6	2185.4	1425.4	1134.6	1080.5
75°	313.1	320.5	347.1	511.6	1163.3	2483.6	1841.5	838.5	524.3	456.4	441.5
77.5°	199.5	202.7	215.5	244.1	373.6	782.2	558.3	331.1	256.9	246.2	246.2
80°	111.4	114.6	131.6	151.8	175.1	268.5	200.6	198.5	168.8	147.5	144.3
82.5°	53.1	58.4	83.8	82.8	92.3	134.8	117.8	107.2	108.3	81.7	77.5
85°	24.4	24.4	32.9	39.3	41.4	45.6	54.1	61.6	60.5	41.4	44.6
87.5°	11.7	11.7	11.7	10.6	9.6	8.5	11.7	19.1	27.6	19.1	18.0
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)