

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: P633341

Luminaire Tested: GWS-SA2E-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633341  
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-SA2E-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

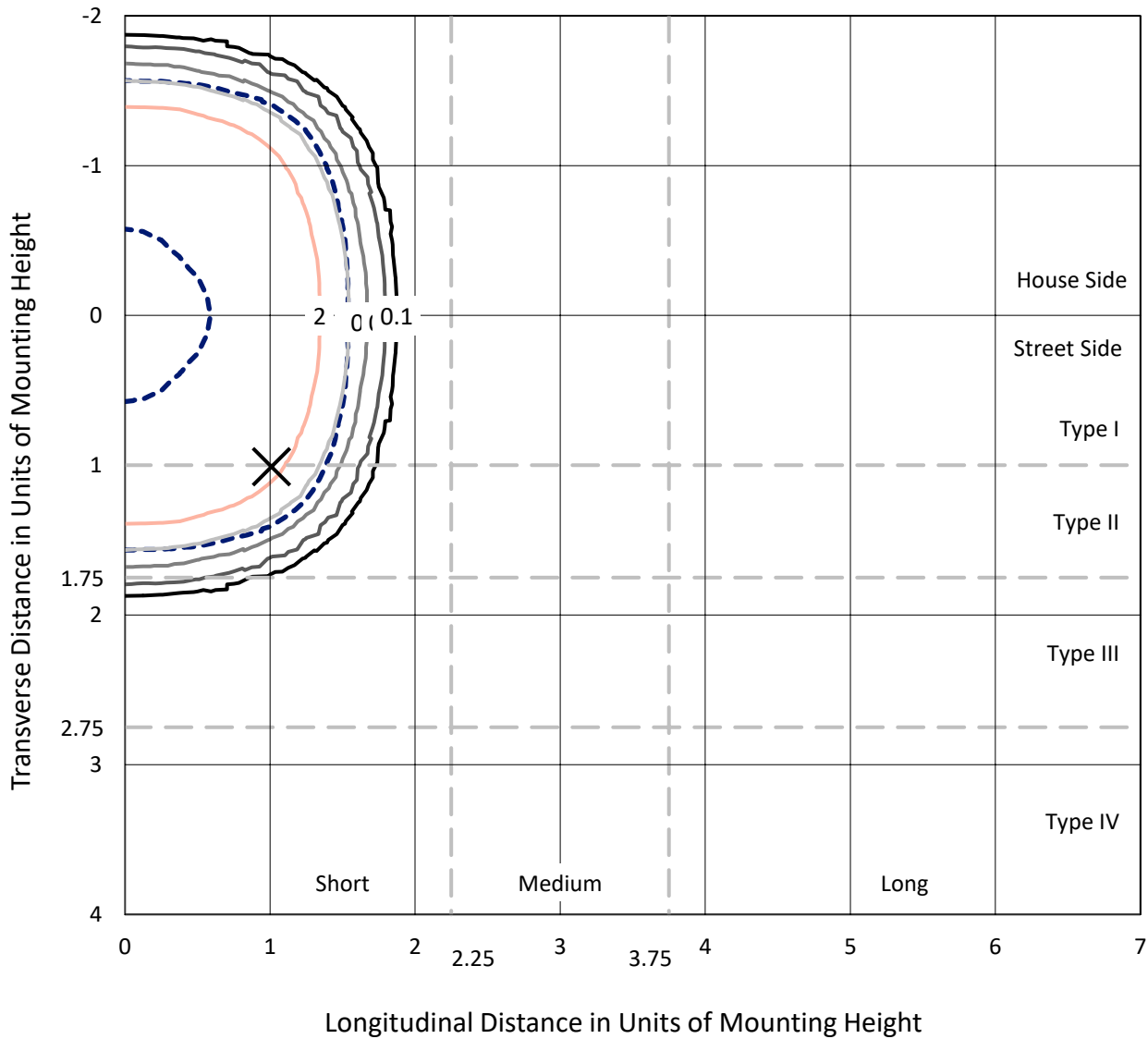
Lumens per Lamp: N/A  
Luminaire Lumens: 10502.7 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P633341  
 CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

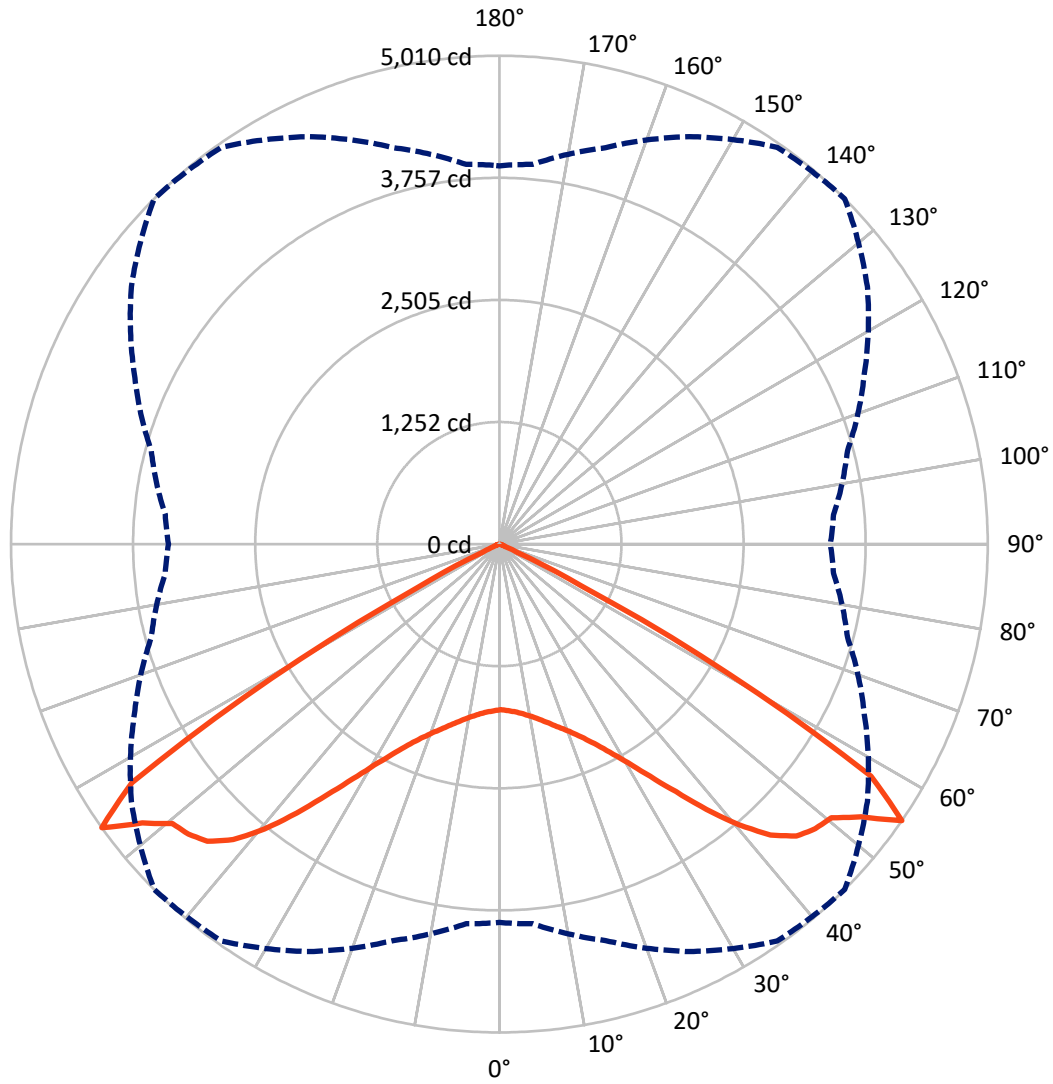
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P633341  
CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P633341

CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSBK

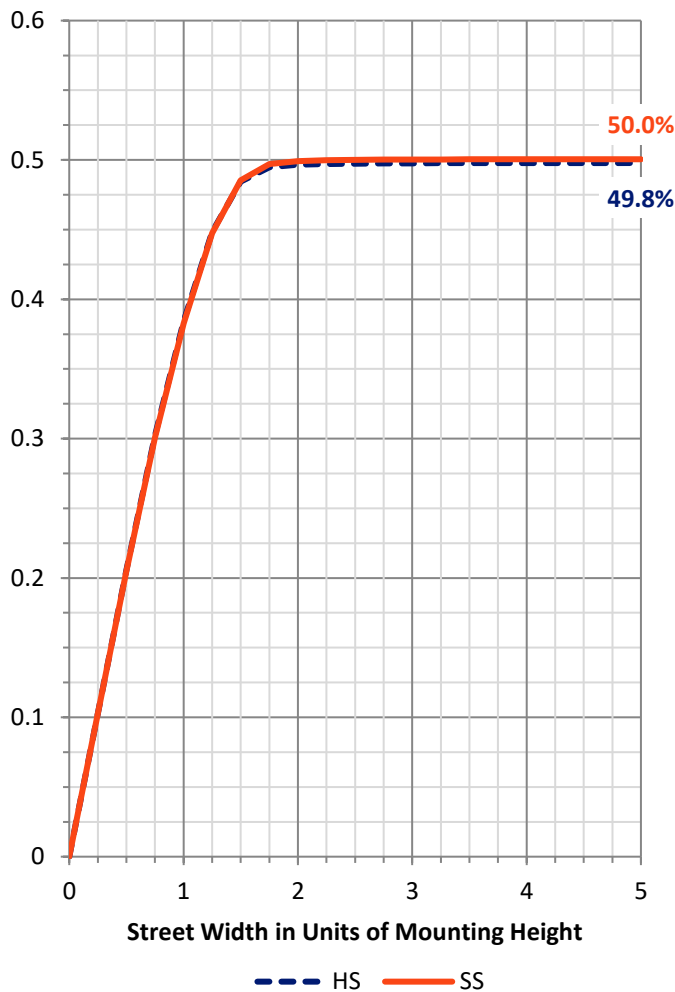
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5251.4	0.0	5251.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5251.4	0.0	5251.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10502.7	0.0	10502.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.4	1.6
10°-20°	539.3	5.1
20°-30°	1044.5	9.9
30°-40°	1871.2	17.8
40°-50°	3137.2	29.9
50°-60°	3358.2	32.0
60°-70°	369.0	3.5
70°-80°	16.2	0.2
80°-90°	0.8	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°	10502.7	100.0
0°-180°	10502.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633341

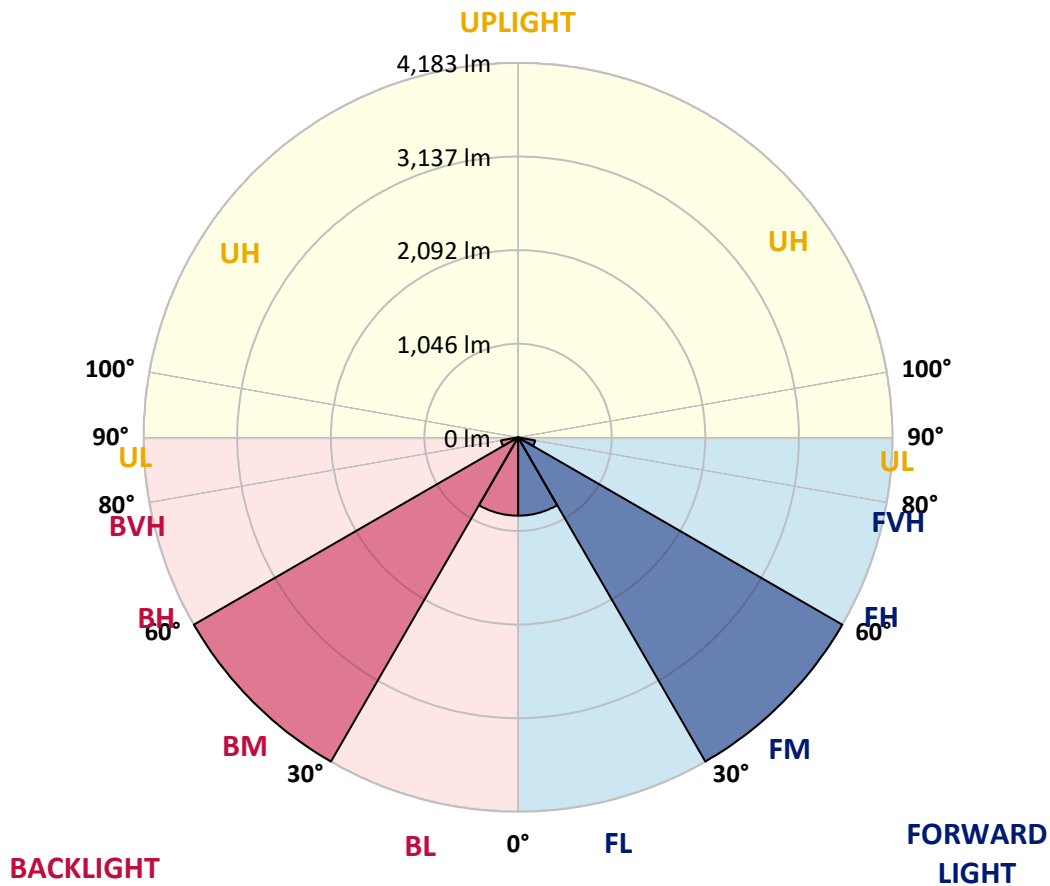
CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	875.1	8.3			
FM (30°-60°)	4183.3	39.8			
FH (60°-80°)	192.6	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	875.1	8.3	B2/1000		
BM (30°-60°)	4183.3	39.8	B3/5000		
BH (60°-80°)	192.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	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: P633341  
 CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1	1698.1
2.5°	1694.9	1694.9	1699.2	1702.4	1702.4	1710.9	1707.7	1704.5	1704.5	1700.2	1708.8
5°	1719.5	1718.4	1722.7	1724.8	1720.6	1729.1	1723.8	1720.6	1718.4	1714.1	1722.7
7.5°	1746.2	1747.3	1748.4	1752.7	1750.5	1759.1	1754.8	1748.4	1746.2	1739.8	1748.4
10°	1778.3	1778.3	1780.5	1785.8	1786.9	1797.6	1793.3	1785.8	1779.4	1773.0	1781.5
12.5°	1819.0	1820.1	1823.3	1830.8	1835.0	1846.8	1840.4	1825.4	1815.8	1808.3	1817.9
15°	1877.8	1876.8	1881.1	1891.8	1897.1	1905.7	1896.0	1875.7	1863.9	1855.4	1861.8
17.5°	1942.0	1942.0	1944.2	1954.9	1962.4	1975.2	1963.4	1938.8	1928.1	1916.4	1922.8
20°	2012.7	2015.9	2018.0	2025.5	2038.3	2051.2	2041.6	2016.9	2005.2	1990.2	1997.7
22.5°	2105.8	2102.5	2103.6	2116.5	2134.6	2147.5	2140.0	2111.1	2090.8	2079.0	2083.3
25°	2209.5	2208.5	2211.7	2230.9	2251.3	2265.2	2254.5	2217.0	2196.7	2176.4	2184.9
27.5°	2336.9	2337.9	2340.1	2363.6	2395.7	2416.1	2389.3	2351.9	2324.0	2297.3	2303.7
30°	2487.7	2485.6	2492.0	2524.1	2571.2	2603.3	2572.3	2519.8	2480.3	2454.6	2457.8
32.5°	2648.2	2650.4	2667.5	2718.9	2780.9	2837.6	2774.5	2705.0	2653.6	2605.4	2611.9
35°	2821.6	2826.9	2865.5	2941.4	3043.1	3119.0	3031.3	2916.8	2844.1	2782.0	2784.1
37.5°	3025.9	3038.8	3092.3	3205.7	3351.2	3452.9	3324.5	3172.5	3078.4	3001.3	2996.0
40°	3294.5	3309.5	3382.3	3517.1	3693.6	3786.7	3638.0	3481.8	3365.1	3281.7	3268.8
42.5°	3602.7	3621.9	3701.1	3839.1	4015.7	4078.8	3933.3	3801.7	3696.8	3598.4	3594.1
45°	3950.4	3961.1	4025.3	4131.3	4258.6	4273.6	4164.4	4091.7	3985.7	3893.7	3886.2
47.5°	4276.8	4287.5	4331.3	4385.9	4415.9	4362.4	4343.1	4311.0	4174.1	4060.6	4037.1
50°	4525.0	4533.6	4588.1	4609.5	4526.1	4412.7	4450.1	4381.6	4232.9	4105.6	4069.2
52.5°	4507.9	4529.3	4669.5	4791.4	4739.0	4647.0	4546.4	4398.8	4167.6	3993.2	3948.3
55°	3880.9	3909.8	4210.4	4611.7	4970.1	5009.7	4607.4	4131.3	3696.8	3441.1	3395.1
57.5°	2494.2	2501.7	2868.7	3431.5	4239.3	4494.0	3821.0	3114.8	2574.4	2293.0	2273.7
60°	917.0	902.0	1179.1	1645.7	2441.7	2711.4	2249.1	1575.0	1123.5	924.5	908.4
62.5°	220.4	222.6	276.1	414.1	766.1	948.0	749.0	418.4	266.4	223.6	221.5
65°	111.3	109.1	110.2	118.8	163.7	195.8	160.5	113.4	109.1	110.2	109.1
67.5°	71.7	70.6	72.8	73.8	72.8	68.5	67.4	69.5	69.5	70.6	68.5
70°	43.9	42.8	44.9	48.1	46.0	40.7	42.8	44.9	42.8	41.7	41.7
72.5°	23.5	23.5	25.7	27.8	25.7	23.5	23.5	24.6	23.5	23.5	23.5
75°	10.7	10.7	11.8	12.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7
77.5°	3.2	3.2	4.3	4.3	3.2	3.2	3.2	3.2	4.3	4.3	4.3
80°	1.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)