

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: P640275

Luminaire Tested: GWS-SA5D-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640275  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

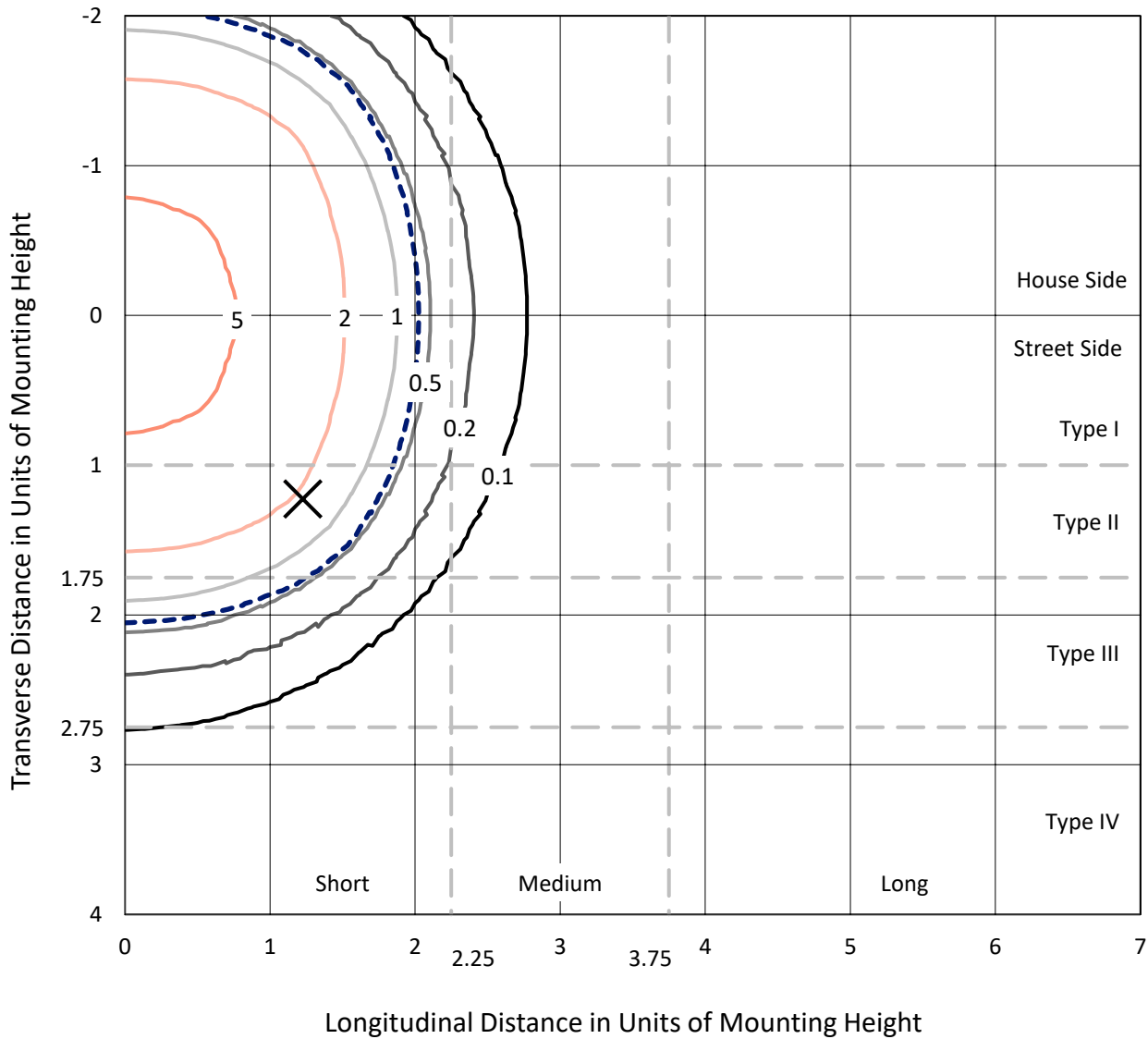
Lumens per Lamp: N/A  
Luminaire Lumens: 25952.3 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640275  
 CATALOG NUMBER: GWS-SA5D-750-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

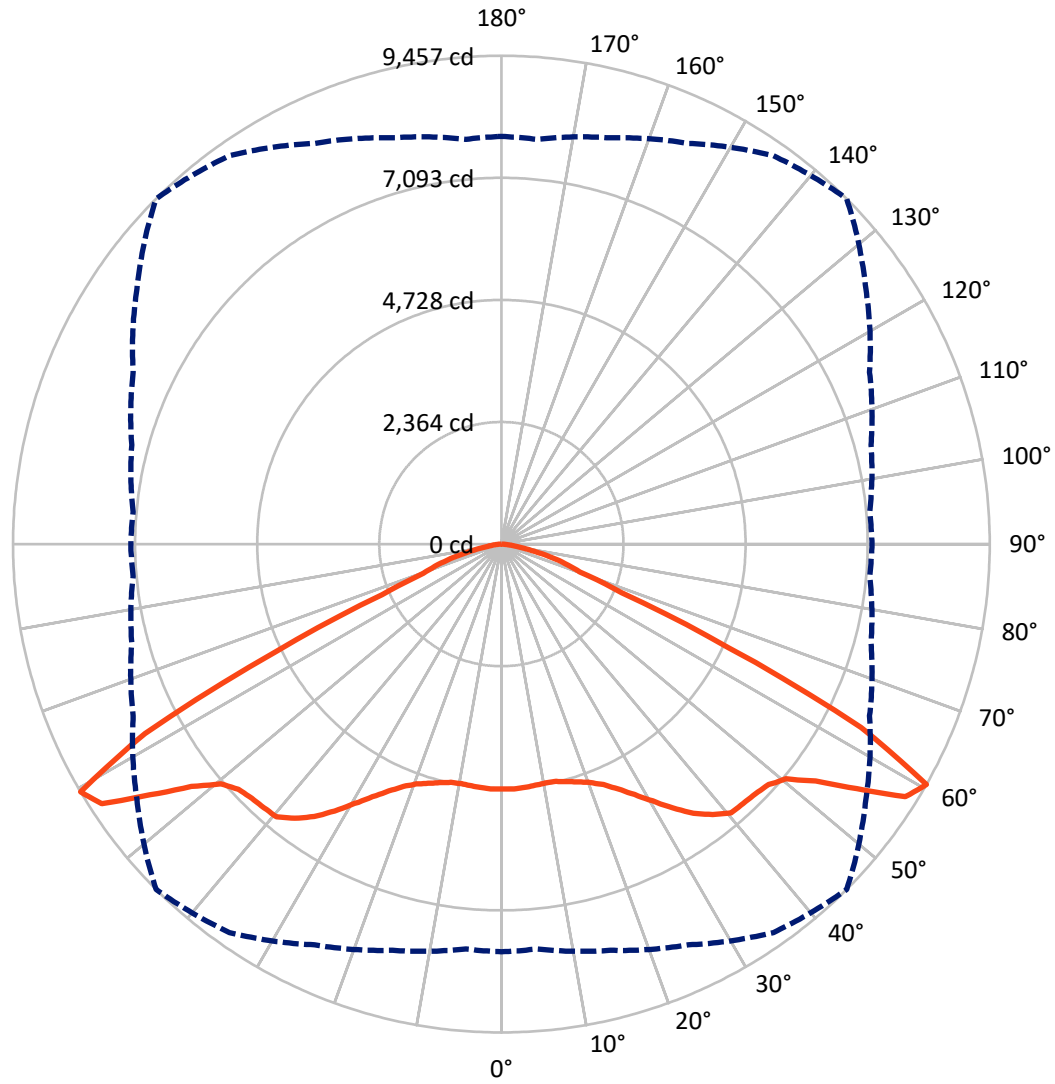
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P640275  
CATALOG NUMBER: GWS-SA5D-750-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P640275

CATALOG NUMBER: GWS-SA5D-750-U-5WQ-W-GRSWH

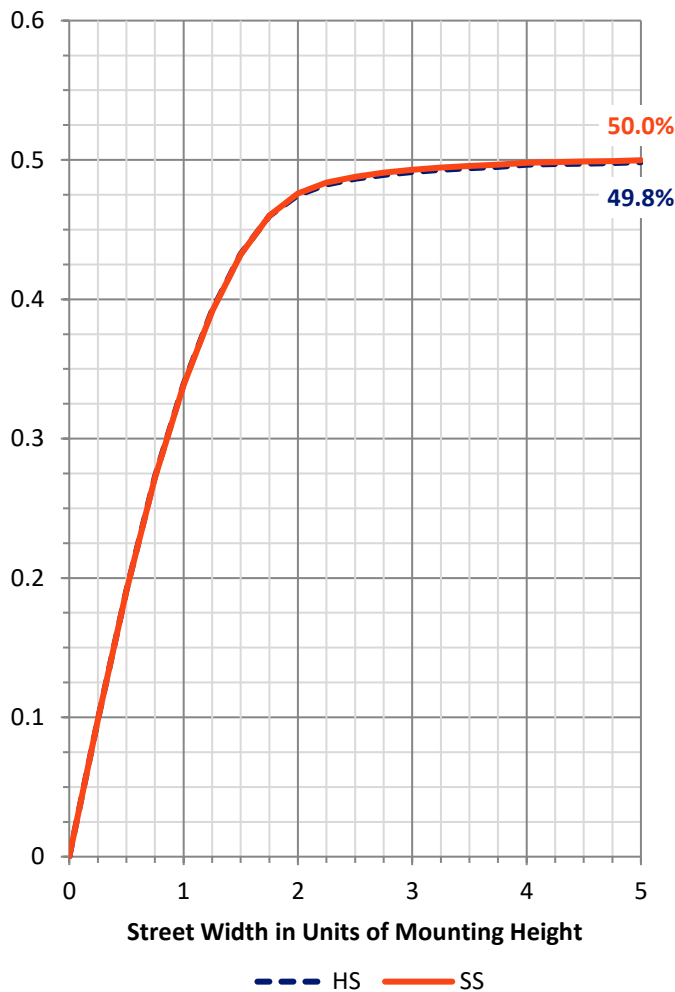
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12976.2	0.0	12976.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12976.2	0.0	12976.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25952.3	0.0	25952.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.8	1.7
10°-20°	1352.9	5.2
20°-30°	2393.5	9.2
30°-40°	3853.5	14.8
40°-50°	5296.6	20.4
50°-60°	7058.3	27.2
60°-70°	4399.0	17.0
70°-80°	1011.6	3.9
80°-90°	137.2	0.5
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°	25952.3	100.0
0°-180°	25952.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640275

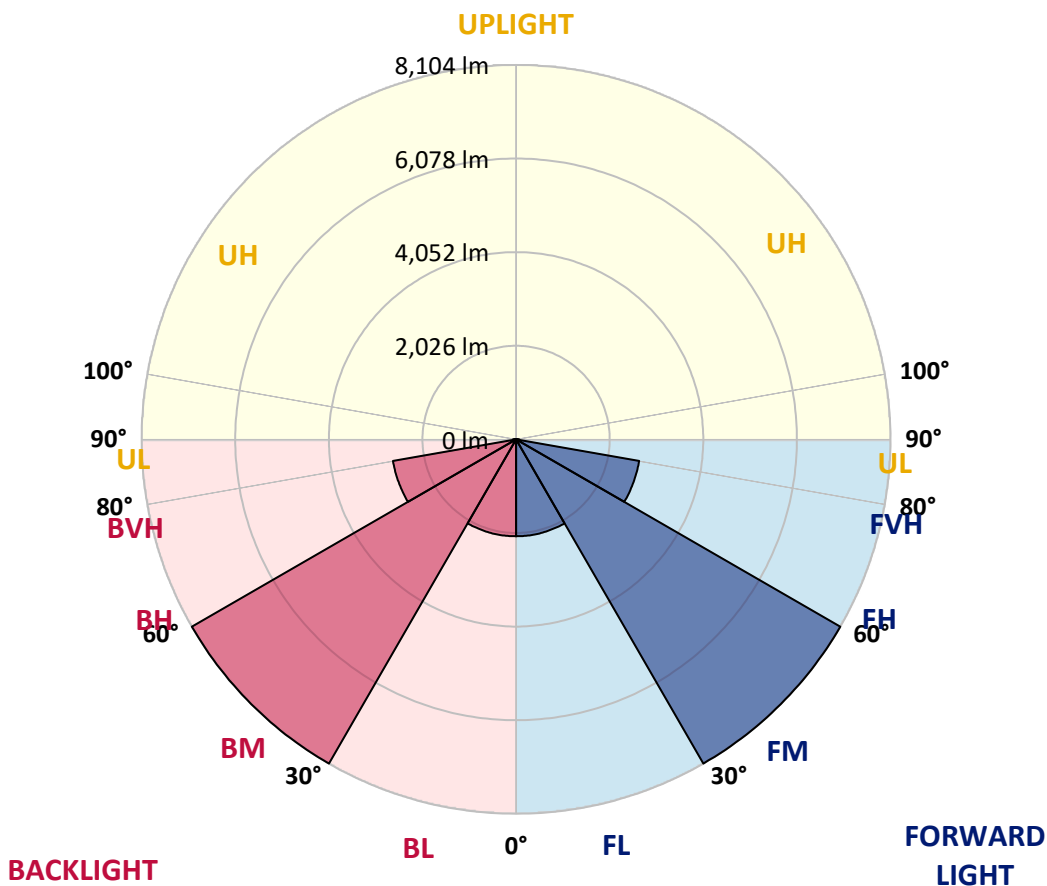
CATALOG NUMBER: GWS-SA5D-750-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2098.1	8.1			
FM (30°-60°)	8104.2	31.2			
FH (60°-80°)	2705.3	10.4			G2/5000
FVH (80°-90°)	68.6	0.3			G1/100
BL (0°-30°)	2098.1	8.1	B3/2500		
BM (30°-60°)	8104.2	31.2	B4/8500		
BH (60°-80°)	2705.3	10.4	B4/5000		G2/5000
BVH (80°-90°)	68.6	0.3			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: P640275

CATALOG NUMBER: GWS-SA5D-750-U-5WQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7	4742.7
2.5°	4709.7	4714.1	4722.9	4729.5	4738.3	4747.2	4751.6	4742.7	4738.3	4720.7	4740.5
5°	4714.1	4718.5	4725.1	4725.1	4727.3	4733.9	4733.9	4722.9	4711.9	4692.1	4714.1
7.5°	4707.5	4711.9	4714.1	4711.9	4714.1	4716.3	4711.9	4698.7	4687.7	4670.1	4687.7
10°	4696.5	4700.9	4705.3	4700.9	4696.5	4703.1	4703.1	4694.3	4687.7	4670.1	4689.9
12.5°	4720.7	4727.3	4729.5	4718.5	4714.1	4716.3	4716.3	4707.5	4707.5	4692.1	4714.1
15°	4778.0	4782.4	4775.8	4762.6	4764.8	4771.4	4756.0	4733.9	4729.5	4722.9	4740.5
17.5°	4822.0	4826.5	4819.8	4811.0	4826.5	4841.9	4813.2	4771.4	4758.2	4753.8	4773.6
20°	4870.5	4877.1	4868.3	4879.3	4910.2	4927.8	4892.5	4835.3	4808.8	4802.2	4826.5
22.5°	4949.8	4958.6	4958.6	4982.9	5029.1	5057.8	5013.7	4936.6	4896.9	4885.9	4910.2
25°	5075.4	5082.0	5088.6	5137.1	5212.0	5251.6	5181.1	5075.4	5020.3	5002.7	5015.9
27.5°	5249.4	5260.4	5271.4	5341.9	5434.4	5491.7	5390.4	5258.2	5189.9	5154.7	5181.1
30°	5456.5	5471.9	5498.3	5577.6	5707.6	5771.5	5641.5	5480.7	5403.6	5366.2	5401.4
32.5°	5738.4	5740.6	5760.5	5848.6	6020.4	6093.1	5930.1	5751.7	5672.4	5628.3	5648.1
35°	6073.3	6075.5	6044.6	6134.9	6320.0	6401.5	6209.8	6029.2	5963.1	5949.9	6000.6
37.5°	6416.9	6397.1	6366.2	6405.9	6593.1	6646.0	6443.3	6289.1	6260.5	6284.7	6359.6
40°	6661.4	6628.4	6566.7	6595.3	6784.8	6846.5	6630.6	6485.2	6476.4	6535.9	6626.2
42.5°	6820.0	6784.8	6712.1	6712.1	6842.1	6868.5	6701.1	6624.0	6643.8	6712.1	6798.0
45°	6897.1	6877.3	6835.5	6813.4	6886.1	6897.1	6769.4	6738.5	6776.0	6809.0	6875.1
47.5°	6956.6	6956.6	6943.4	6921.4	6954.4	6961.0	6866.3	6857.5	6905.9	6905.9	6950.0
50°	7062.4	7073.4	7091.0	7086.6	7121.8	7143.9	7073.4	7060.1	7080.0	7016.1	7038.1
52.5°	7339.9	7368.5	7419.2	7458.9	7549.2	7617.5	7491.9	7386.2	7282.6	7141.7	7146.1
55°	7837.8	7851.0	7950.1	8066.9	8218.9	8357.6	8099.9	7771.7	7547.0	7381.8	7384.0
57.5°	8258.5	8278.3	8423.7	8668.2	9009.7	9225.6	8655.0	8106.5	7789.3	7586.6	7593.2
60°	7895.0	7868.6	8144.0	8562.5	9181.5	9456.9	8615.4	7866.4	7410.4	7159.3	7176.9
62.5°	6108.5	6057.8	6364.0	6802.4	7544.8	7820.1	7044.7	6326.6	5894.8	5698.8	5670.1
65°	3718.4	3672.2	3892.4	4161.2	4663.4	4837.5	4482.8	4101.7	3725.0	3606.1	3573.0
67.5°	2024.4	2017.8	2077.3	2209.5	2429.7	2511.3	2443.0	2262.3	2165.4	2081.7	2081.7
70°	1605.9	1592.7	1581.6	1583.9	1603.7	1614.7	1616.9	1608.1	1619.1	1621.3	1612.5
72.5°	1330.5	1326.1	1304.1	1306.3	1297.5	1293.1	1308.5	1317.3	1334.9	1337.1	1337.1
75°	964.9	953.8	964.9	967.1	958.2	958.2	969.3	967.1	975.9	980.3	956.0
77.5°	548.5	548.5	563.9	581.6	594.8	594.8	605.8	605.8	616.8	614.6	610.2
80°	301.8	301.8	310.6	321.6	334.8	348.1	359.1	361.3	367.9	365.7	359.1
82.5°	171.8	174.0	178.4	185.0	198.3	209.3	220.3	222.5	229.1	229.1	222.5
85°	81.5	79.3	81.5	85.9	92.5	101.3	112.3	119.0	123.4	123.4	119.0
87.5°	15.4	17.6	15.4	17.6	19.8	26.4	30.8	35.2	41.9	44.1	39.7
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)