

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: P640765

Luminaire Tested: GWS-SA5E-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640765  
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-SA5E-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

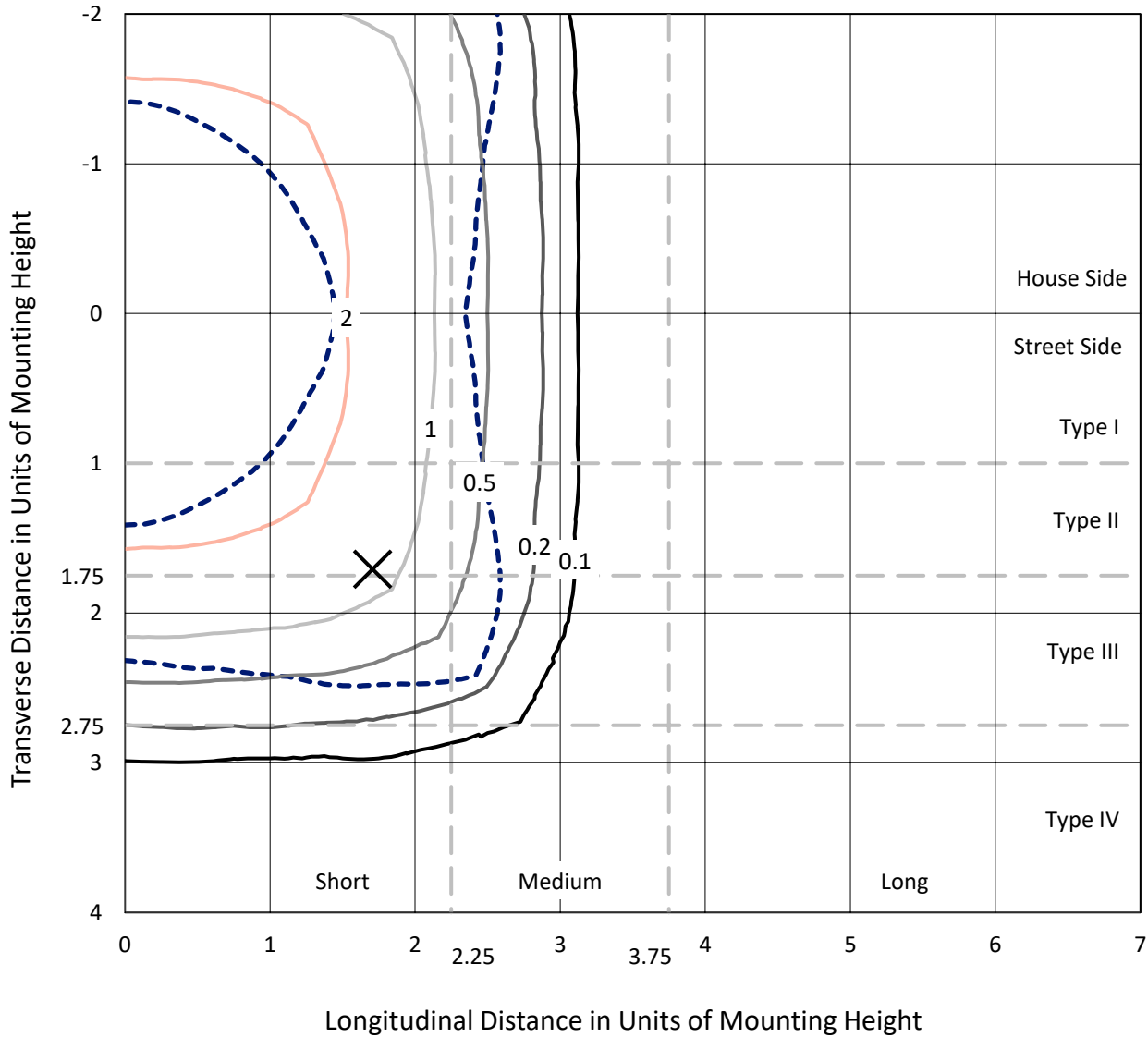
Lumens per Lamp: N/A  
Luminaire Lumens: 39767.7 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640765  
 CATALOG NUMBER: GWS-SA5E-750-U-5MQ-W

### Iso-Footcandle Lines of Horizontal Illumination

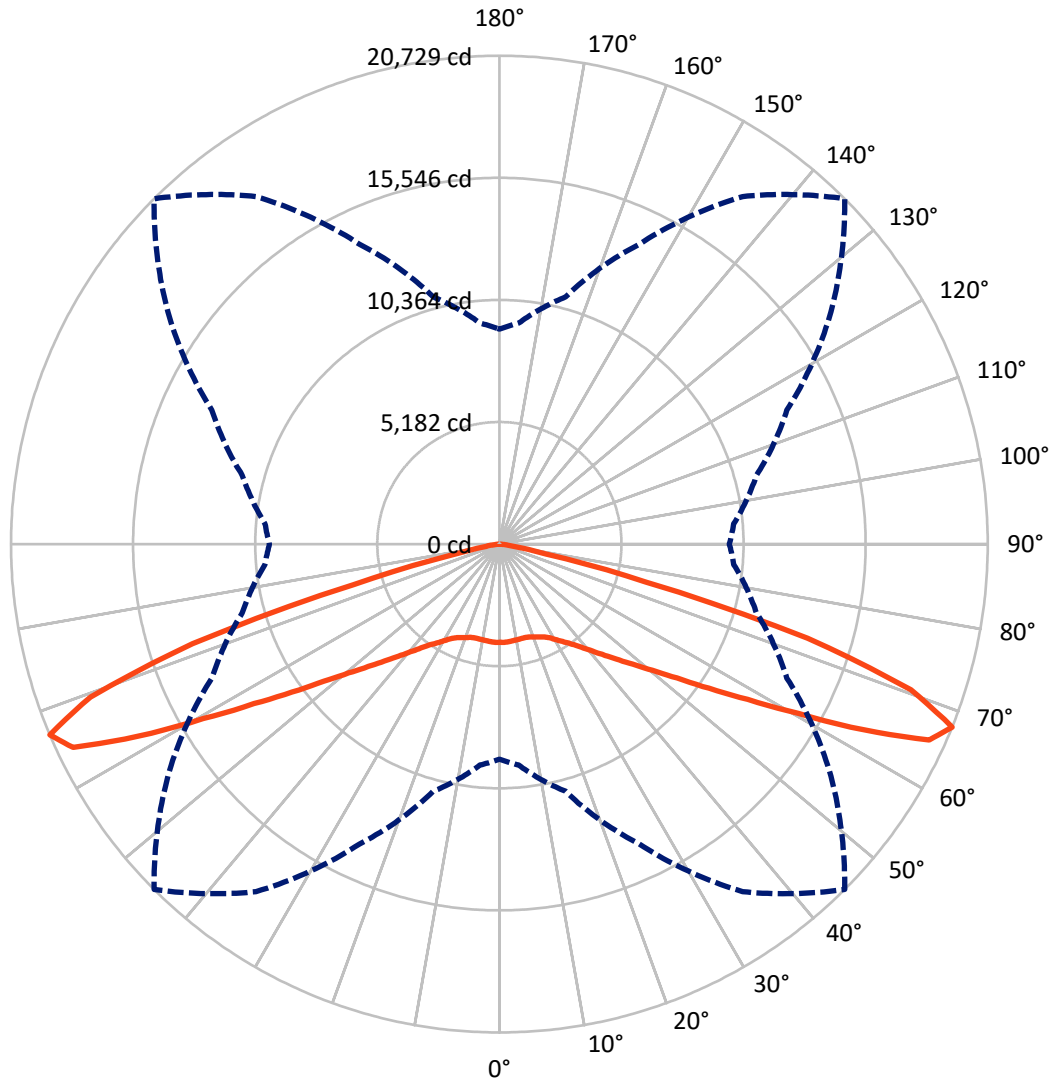
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P640765  
CATALOG NUMBER: GWS-SA5E-750-U-5MQ-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640765

CATALOG NUMBER: GWS-SA5E-750-U-5MQ-W

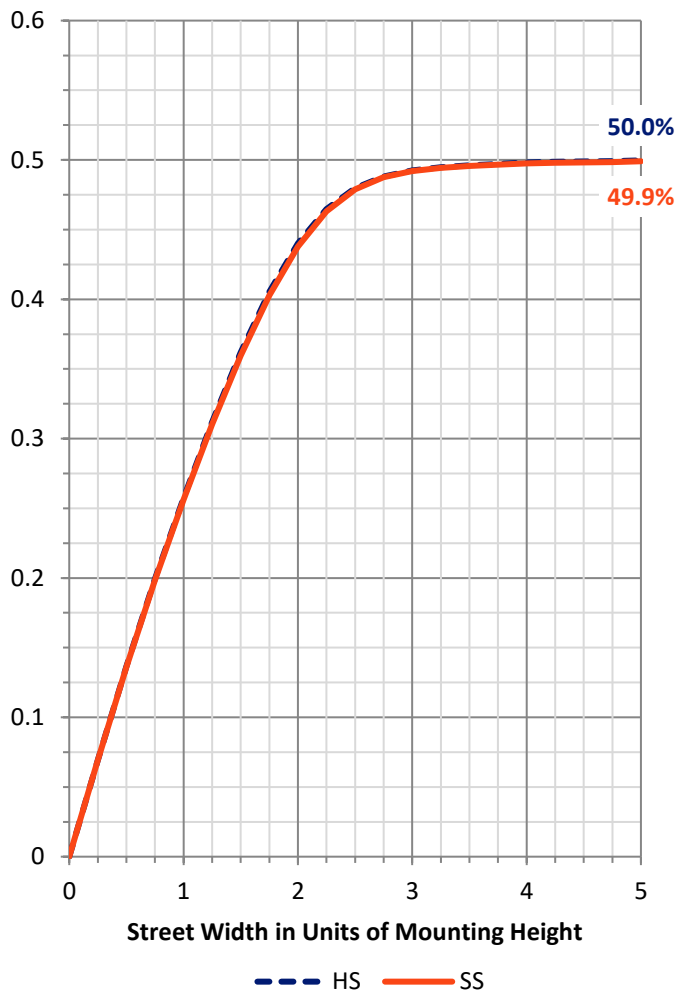
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19883.9	0.0	19883.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19883.9	0.0	19883.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39767.7	0.0	39767.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.2	1.0
10°-20°	1157.8	2.9
20°-30°	1996.9	5.0
30°-40°	3247.0	8.2
40°-50°	5467.3	13.7
50°-60°	9687.0	24.4
60°-70°	13846.9	34.8
70°-80°	3800.4	9.6
80°-90°	170.3	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°	39767.7	100.0
0°-180°	39767.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640765

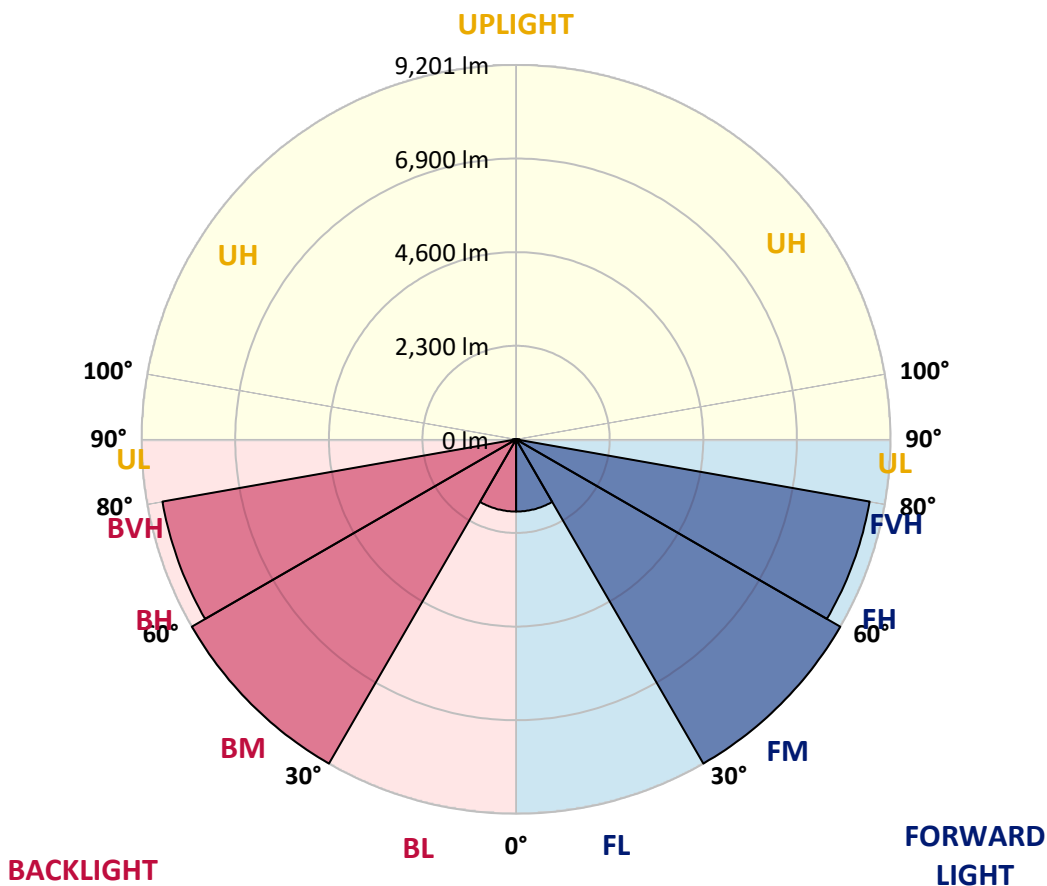
CATALOG NUMBER: GWS-SA5E-750-U-5MQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1774.4	4.5			
FM (30°-60°)	9200.6	23.1			
FH (60°-80°)	8823.6	22.2			G4/12000
FVH (80°-90°)	85.1	0.2			G1/100
BL (0°-30°)	1774.4	4.5	B3/2500		
BM (30°-60°)	9200.6	23.1	B5		
BH (60°-80°)	8823.6	22.2	B5		G4/12000
BVH (80°-90°)	85.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





REPORT NUMBER: P640765  
 CATALOG NUMBER: GWS-SA5E-750-U-5MQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0	4165.0
2.5°	4137.4	4134.7	4148.4	4156.7	4154.0	4173.2	4170.5	4165.0	4165.0	4156.7	4178.7
5°	4137.4	4134.7	4145.7	4148.4	4142.9	4159.5	4154.0	4148.4	4148.4	4137.4	4156.7
7.5°	4115.4	4118.2	4126.4	4131.9	4126.4	4140.2	4131.9	4120.9	4118.2	4107.2	4126.4
10°	4074.1	4076.9	4085.1	4098.9	4101.7	4126.4	4112.7	4093.4	4085.1	4074.1	4093.4
12.5°	4049.3	4052.1	4060.4	4076.9	4082.4	4115.4	4101.7	4071.4	4057.6	4046.6	4065.9
15°	4043.8	4046.6	4057.6	4074.1	4082.4	4115.4	4101.7	4065.9	4046.6	4032.8	4049.3
17.5°	4043.8	4049.3	4065.9	4090.6	4107.2	4140.2	4123.7	4082.4	4054.9	4030.1	4046.6
20°	4046.6	4054.9	4079.6	4115.4	4156.7	4203.5	4181.5	4126.4	4087.9	4057.6	4068.6
22.5°	4071.4	4085.1	4115.4	4162.2	4222.8	4277.8	4258.6	4184.2	4129.2	4087.9	4098.9
25°	4156.7	4162.2	4200.8	4261.3	4319.1	4365.9	4346.6	4277.8	4209.0	4159.5	4173.2
27.5°	4308.1	4321.9	4354.9	4418.2	4467.8	4492.5	4489.8	4443.0	4374.2	4330.1	4341.1
30°	4489.8	4503.6	4547.6	4619.2	4668.7	4696.3	4688.0	4652.2	4588.9	4528.3	4539.3
32.5°	4701.8	4707.3	4759.6	4839.4	4891.7	4933.0	4905.5	4866.9	4787.1	4715.5	4721.0
35°	4971.5	4979.8	5034.8	5109.2	5150.5	5183.5	5178.0	5139.5	5054.1	4977.0	4996.3
37.5°	5310.1	5315.6	5365.2	5458.8	5491.8	5516.6	5522.1	5502.8	5414.7	5315.6	5334.9
40°	5731.3	5734.1	5789.1	5871.7	5907.5	5924.0	5926.7	5929.5	5838.7	5764.3	5758.8
42.5°	6221.3	6235.1	6312.1	6392.0	6408.5	6400.2	6427.8	6455.3	6367.2	6265.3	6273.6
45°	6807.6	6815.9	6920.5	7008.6	6978.3	6950.8	7003.1	7058.1	6978.3	6846.2	6807.6
47.5°	7501.3	7517.9	7630.7	7718.8	7669.3	7619.7	7705.0	7762.9	7633.5	7493.1	7457.3
50°	8285.9	8296.9	8456.6	8566.7	8508.9	8418.0	8525.4	8585.9	8412.5	8239.1	8162.0
52.5°	9213.6	9191.6	9403.5	9596.2	9560.4	9442.1	9530.1	9541.2	9282.4	9037.4	8960.3
55°	10345.0	10322.9	10534.9	10746.9	10835.0	10804.7	10763.4	10697.3	10314.7	10053.2	9981.6
57.5°	11663.6	11594.7	11892.0	12178.3	12371.0	12426.1	12249.9	12095.7	11792.9	11470.9	11388.3
60°	12888.5	12885.8	13356.5	13852.0	14380.6	14600.8	14154.8	13736.4	13056.5	12470.1	12351.8
62.5°	13232.6	13290.5	14061.2	15289.0	16593.8	17372.8	16197.4	14812.7	13499.7	12616.0	12459.1
65°	12384.8	12527.9	13623.5	15561.5	18138.1	20043.0	17389.4	14837.5	13006.9	11905.8	11740.6
67.5°	9128.2	9414.5	10865.2	14042.0	18006.0	20728.5	17177.4	13463.9	11297.4	9987.1	9758.6
70°	4503.6	4776.1	5926.7	9238.4	14815.5	18529.0	14862.3	10146.8	7630.7	6369.9	6160.7
72.5°	1657.2	1767.3	2218.7	3953.0	8175.8	13686.9	10163.3	5668.0	3697.0	2942.7	2802.3
75°	812.1	831.3	900.2	1326.8	3017.1	6441.5	4776.1	2174.7	1359.9	1183.7	1145.2
77.5°	517.5	525.8	558.8	633.1	969.0	2028.8	1448.0	858.9	666.2	638.6	638.6
80°	289.0	297.3	341.3	393.6	454.2	696.5	520.3	514.8	437.7	382.6	374.4
82.5°	137.6	151.4	217.5	214.7	239.5	349.6	305.6	278.0	280.8	212.0	201.0
85°	63.3	63.3	85.3	101.9	107.4	118.4	140.4	159.7	156.9	107.4	115.6
87.5°	30.3	30.3	30.3	27.5	24.8	22.0	30.3	49.6	71.6	49.6	46.8
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)