

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: P639777

Luminaire Tested: GWS-SA5C-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5C-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 22082 lumens  
Efficiency: N/A  
Efficacy: 140.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 157.5  
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

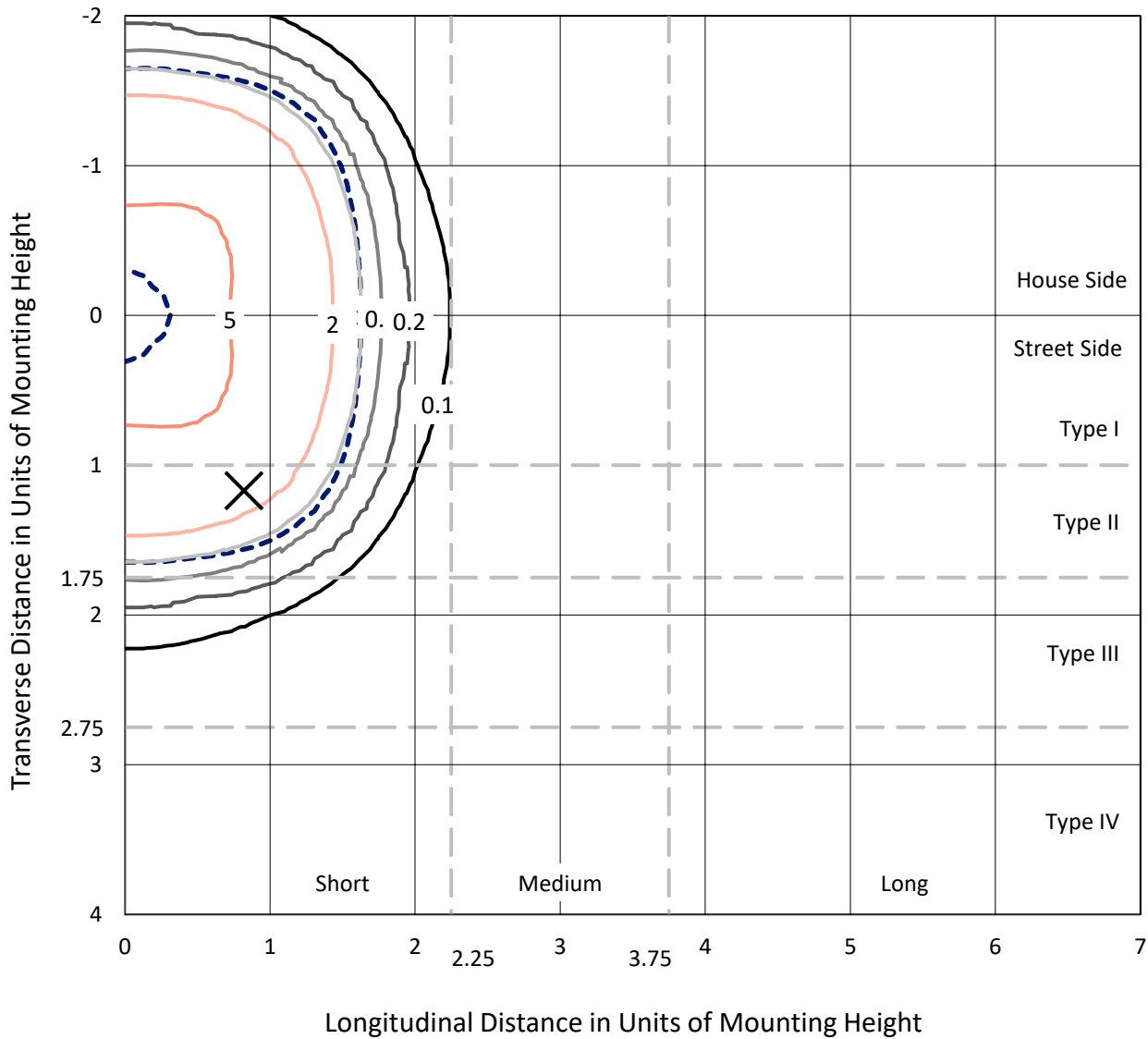


REPORT NUMBER: P639777

CATALOG NUMBER: GWS-SA5C-750-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

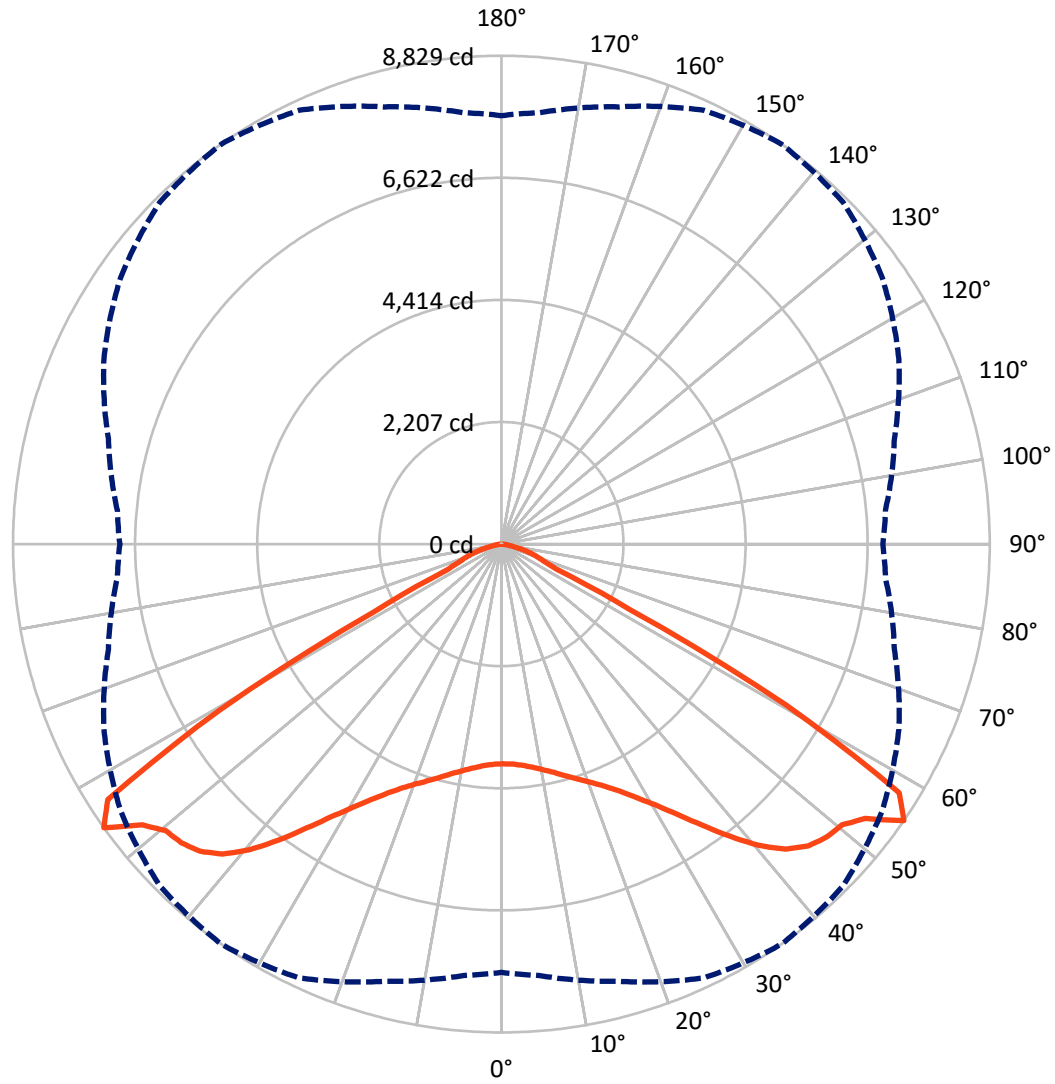
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P639777  
CATALOG NUMBER: GWS-SA5C-750-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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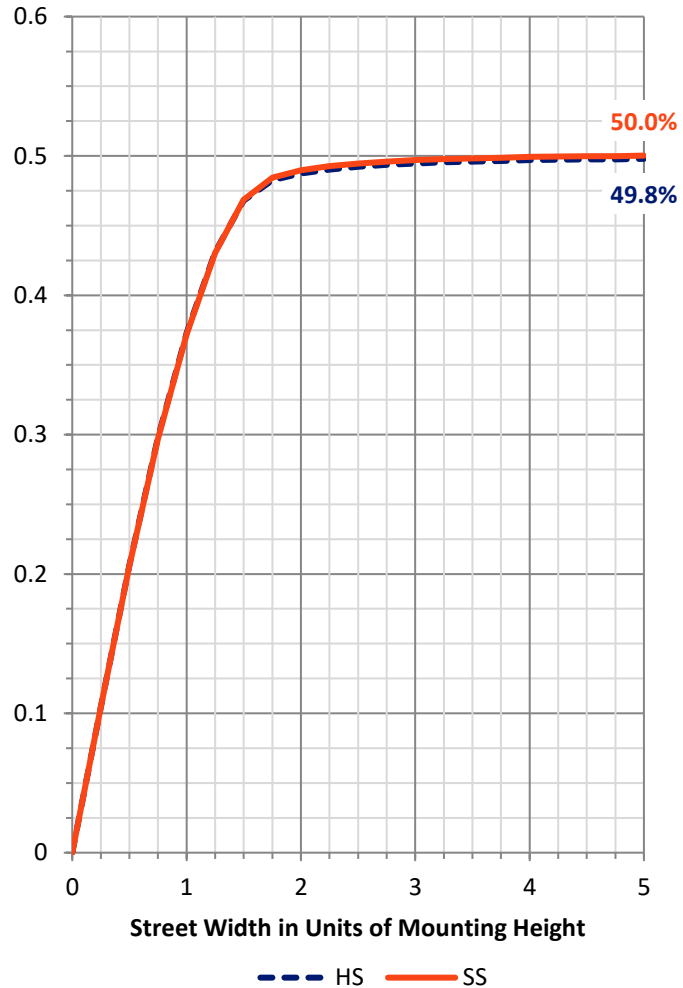
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11041.0	0.0	11041.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11041.0	0.0	11041.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22082.0	0.0	22082.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.5	1.8
10°-20°	1233.6	5.6
20°-30°	2283.2	10.3
30°-40°	3819.4	17.3
40°-50°	5820.1	26.4
50°-60°	6519.8	29.5
60°-70°	1542.6	7.0
70°-80°	415.9	1.9
80°-90°	59.8	0.3
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°	22082.0	100.0
0°-180°	22082.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639777

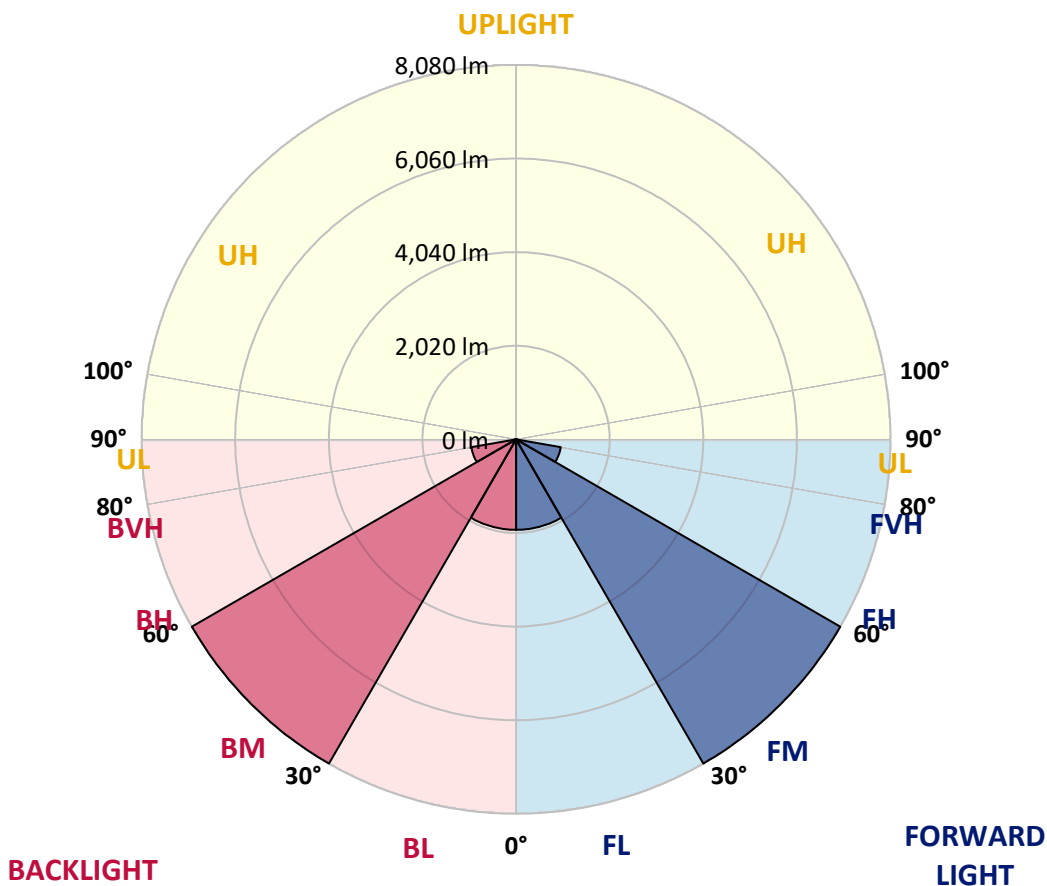
CATALOG NUMBER: GWS-SA5C-750-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1952.2	8.8			
FM (30°-60°)	8079.6	36.6			
FH (60°-80°)	979.3	4.4			G1/1800
FVH (80°-90°)	29.9	0.1			G1/100
BL (0°-30°)	1952.2	8.8	B3/2500		
BM (30°-60°)	8079.6	36.6	B4/8500		
BH (60°-80°)	979.3	4.4	B2/1000		G1/1800
BVH (80°-90°)	29.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6	3972.6
2.5°	3963.9	3963.9	3970.9	3979.6	3981.3	3998.8	3995.3	3988.3	3984.8	3977.8	3993.6
5°	4007.5	4009.3	4014.5	4019.8	4016.3	4030.2	4025.0	4016.3	4011.0	4002.3	4018.0
7.5°	4065.2	4065.2	4070.4	4077.4	4073.9	4094.8	4084.4	4072.1	4063.4	4052.9	4066.9
10°	4117.5	4121.0	4126.3	4140.2	4147.2	4169.9	4162.9	4145.5	4131.5	4119.3	4135.0
12.5°	4196.1	4199.6	4204.9	4224.1	4236.3	4259.0	4248.5	4224.1	4203.1	4185.6	4203.1
15°	4297.4	4293.9	4307.9	4332.3	4348.0	4369.0	4356.8	4314.9	4286.9	4264.2	4281.7
17.5°	4400.4	4398.7	4412.7	4444.1	4466.8	4494.7	4473.8	4424.9	4395.2	4367.3	4384.7
20°	4512.2	4517.4	4531.4	4561.1	4594.3	4630.9	4613.5	4561.1	4527.9	4496.5	4510.4
22.5°	4650.1	4651.9	4667.6	4706.0	4749.7	4784.6	4774.1	4709.5	4667.6	4634.4	4651.9
25°	4816.0	4814.3	4835.2	4880.6	4941.8	4976.7	4954.0	4882.4	4837.0	4798.6	4812.5
27.5°	5006.4	5004.6	5036.0	5095.4	5182.7	5231.6	5184.5	5095.4	5032.6	4978.4	4990.6
30°	5245.6	5240.4	5275.3	5355.6	5469.1	5551.2	5481.3	5357.3	5275.3	5217.7	5229.9
32.5°	5511.0	5518.0	5561.7	5669.9	5813.1	5919.6	5814.9	5676.9	5566.9	5483.1	5497.0
35°	5802.6	5802.6	5891.7	6026.1	6230.5	6371.9	6209.5	6010.4	5863.7	5748.5	5752.0
37.5°	6127.4	6130.9	6247.9	6433.0	6700.2	6866.1	6646.0	6399.8	6221.7	6097.7	6090.8
40°	6523.8	6534.3	6654.8	6860.8	7161.2	7313.1	7077.4	6836.4	6654.8	6508.1	6494.1
42.5°	6970.8	6974.3	7101.8	7286.9	7540.1	7630.9	7445.8	7248.5	7100.1	6967.3	6953.4
45°	7396.9	7388.2	7498.2	7636.1	7782.8	7791.6	7688.5	7608.2	7479.0	7365.5	7344.5
47.5°	7728.7	7721.7	7821.2	7896.3	7913.8	7828.2	7861.4	7873.6	7723.5	7569.8	7529.6
50°	7931.3	7945.2	8039.5	8081.4	7978.4	7838.7	7964.4	7933.0	7718.2	7517.4	7452.8
52.5°	8053.5	8074.4	8238.6	8345.1	8238.6	8105.9	8123.3	7938.2	7629.2	7363.7	7279.9
55°	7744.4	7828.2	8182.7	8654.2	8828.8	8736.3	8404.5	7927.8	7355.0	6969.1	6897.5
57.5°	5739.8	5872.5	6398.1	7419.6	8481.3	8818.3	7849.2	6646.0	5778.2	5282.3	5240.4
60°	2930.1	3078.6	3499.4	4548.9	5914.4	6389.4	5467.4	4255.5	3382.4	2980.8	2935.4
62.5°	1196.1	1220.6	1358.5	1763.7	2614.1	3015.7	2649.0	1859.7	1397.0	1287.0	1288.7
65°	941.2	946.4	939.5	963.9	1094.9	1215.4	1122.8	986.6	962.2	974.4	965.7
67.5°	820.7	822.5	817.2	817.2	822.5	817.2	827.7	832.9	836.4	850.4	841.7
70°	686.3	688.0	688.0	691.5	689.8	681.0	696.7	703.7	705.5	714.2	709.0
72.5°	530.8	536.1	539.6	541.3	539.6	534.3	543.1	555.3	553.5	562.3	553.5
75°	359.7	366.7	370.2	377.2	375.4	375.4	385.9	391.1	385.9	392.9	385.9
77.5°	204.3	209.5	220.0	227.0	234.0	239.2	246.2	249.7	248.0	251.5	248.0
80°	118.7	120.5	129.2	132.7	141.4	150.2	157.2	160.7	162.4	164.1	162.4
82.5°	68.1	69.8	73.3	76.8	83.8	90.8	97.8	103.0	103.0	104.8	103.0
85°	33.2	33.2	34.9	36.7	40.2	45.4	50.6	55.9	57.6	57.6	57.6
87.5°	5.2	5.2	7.0	7.0	8.7	10.5	14.0	17.5	19.2	19.2	19.2
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)