

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: P640763

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

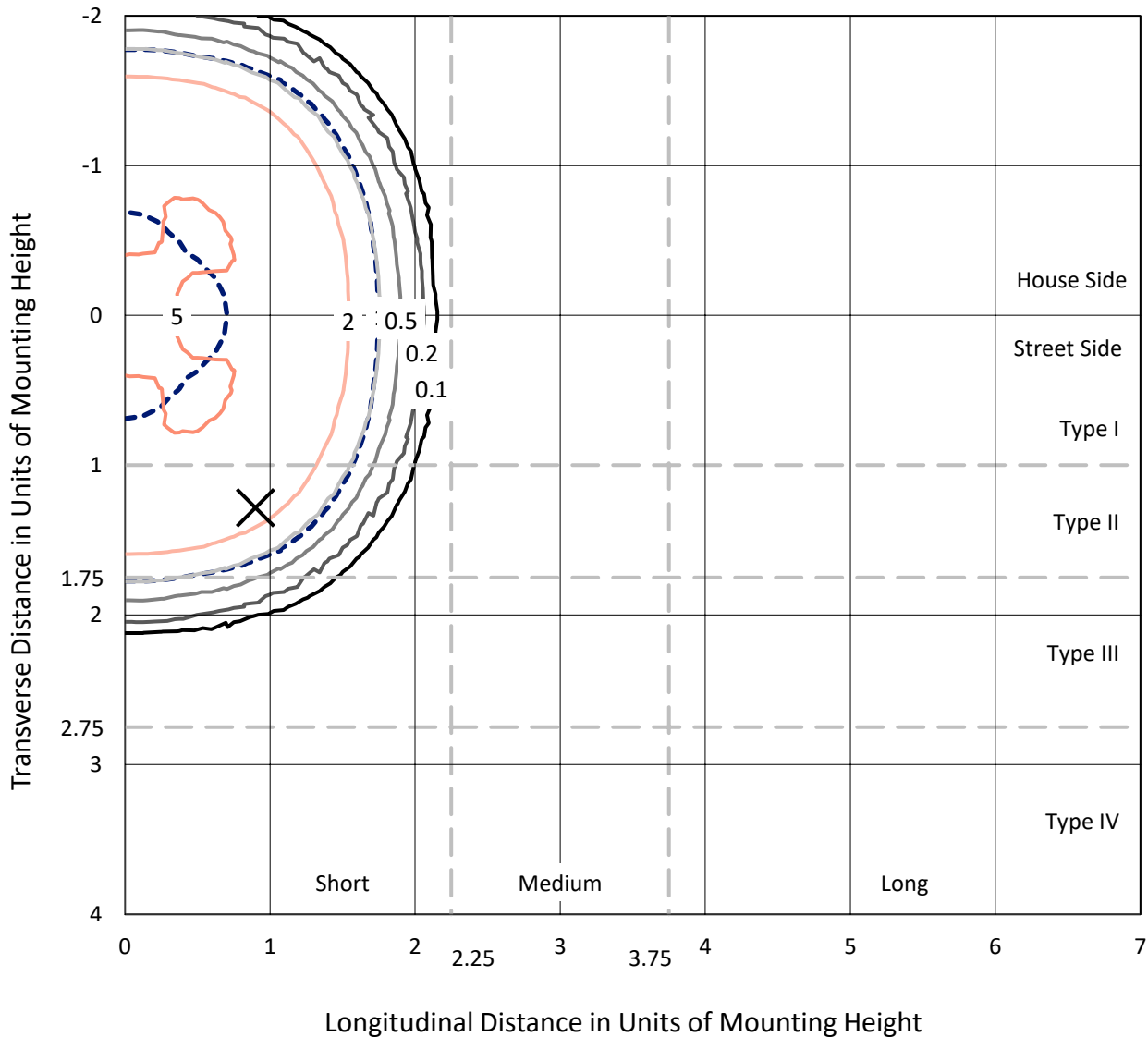
Lumens per Lamp: N/A  
Luminaire Lumens: 23462.5 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

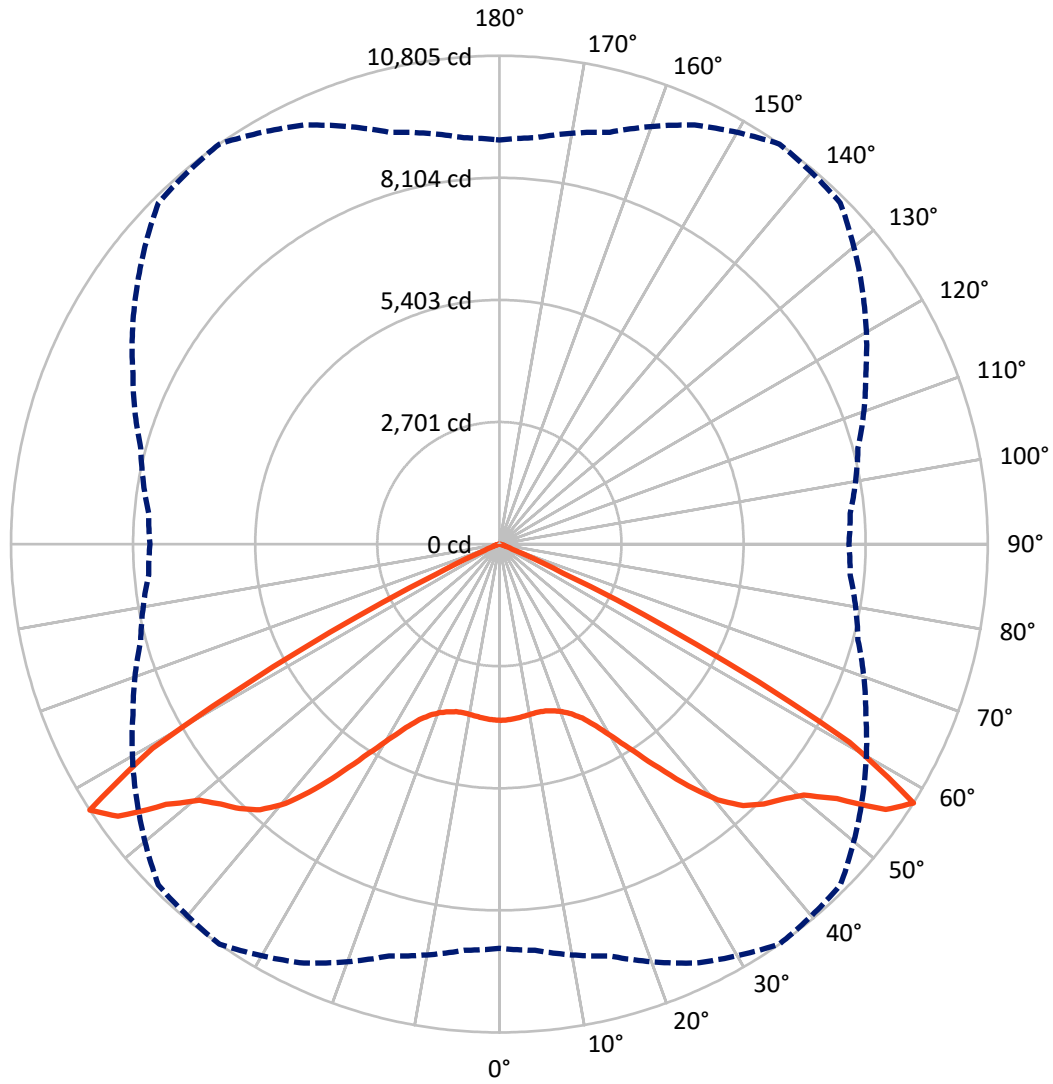
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11731.3	0.0	11731.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11731.3	0.0	11731.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23462.5	0.0	23462.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.5	1.6
10°-20°	1081.1	4.6
20°-30°	1954.1	8.3
30°-40°	3645.6	15.5
40°-50°	6115.5	26.1
50°-60°	8076.2	34.4
60°-70°	2144.8	9.1
70°-80°	76.2	0.3
80°-90°	1.4	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°	23462.5	100.0
0°-180°	23462.5	100.0

**Coefficient of Utilization**



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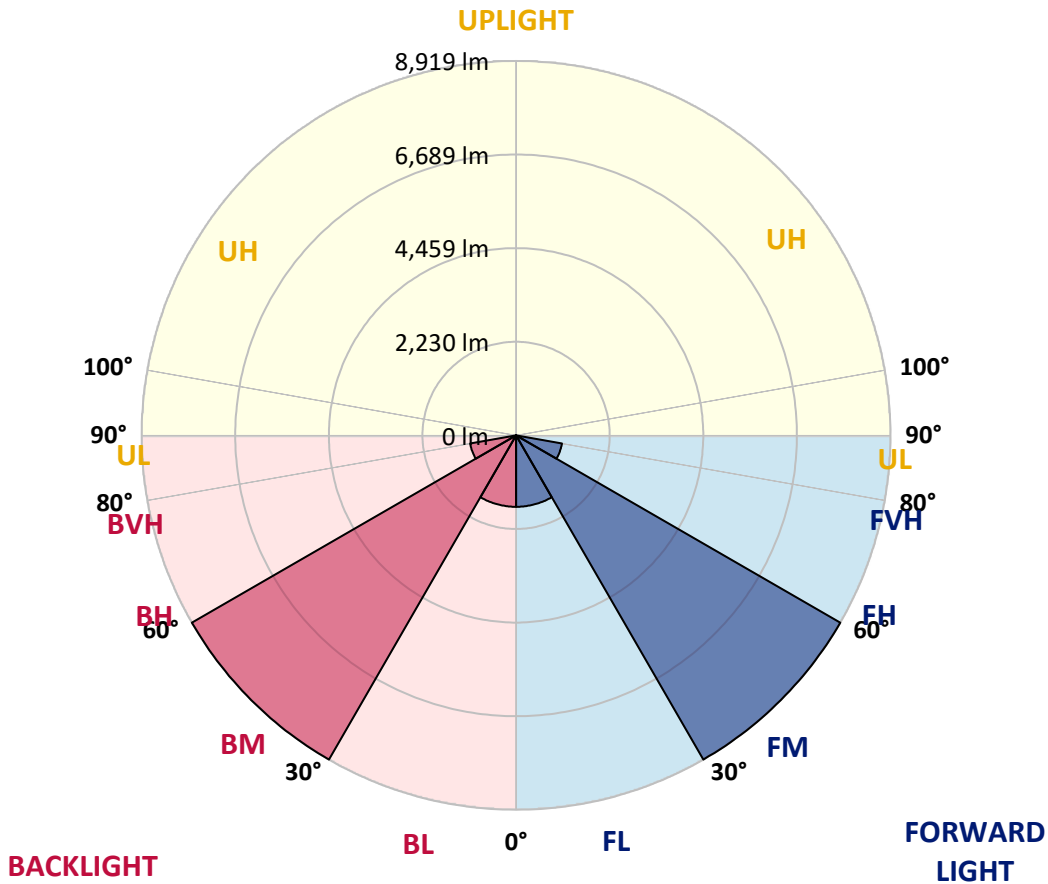
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1701.4	7.3			
FM (30°-60°)	8918.7	38.0			
FH (60°-80°)	1110.5	4.7			G1/1800
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1701.4	7.3	B3/2500		
BM (30°-60°)	8918.7	38.0	B5		
BH (60°-80°)	1110.5	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9	3900.9
2.5°	3873.3	3870.6	3881.6	3889.8	3889.8	3909.1	3903.6	3898.1	3892.6	3884.3	3903.6
5°	3867.8	3865.1	3873.3	3878.8	3873.3	3889.8	3878.8	3867.8	3862.3	3851.3	3873.3
7.5°	3843.0	3845.8	3851.3	3856.8	3848.5	3862.3	3848.5	3832.0	3818.3	3807.3	3826.5
10°	3804.5	3807.3	3812.8	3823.8	3826.5	3845.8	3826.5	3796.2	3777.0	3760.5	3779.7
12.5°	3785.2	3788.0	3796.2	3810.0	3812.8	3837.5	3812.8	3768.7	3741.2	3721.9	3741.2
15°	3790.7	3796.2	3807.3	3823.8	3829.3	3854.1	3821.0	3763.2	3724.7	3699.9	3716.4
17.5°	3810.0	3815.5	3832.0	3859.6	3878.8	3903.6	3862.3	3788.0	3735.7	3699.9	3716.4
20°	3834.8	3843.0	3870.6	3914.6	3955.9	4000.0	3947.7	3845.8	3777.0	3732.9	3746.7
22.5°	3903.6	3911.9	3950.4	4008.2	4077.0	4132.1	4068.8	3939.4	3845.8	3788.0	3801.7
25°	4044.0	4052.3	4101.8	4176.1	4264.2	4335.8	4256.0	4093.6	3972.4	3906.4	3911.9
27.5°	4264.2	4272.5	4330.3	4434.9	4553.3	4655.1	4539.5	4349.6	4211.9	4134.8	4134.8
30°	4542.3	4553.3	4630.4	4770.8	4955.2	5090.1	4933.2	4701.9	4525.8	4421.1	4423.9
32.5°	4900.2	4889.1	4999.3	5192.0	5453.5	5632.4	5401.2	5120.4	4902.9	4757.0	4770.8
35°	5359.9	5357.1	5481.0	5742.5	6083.9	6298.6	6023.3	5660.0	5398.4	5249.8	5252.5
37.5°	5951.8	5949.0	6092.2	6375.7	6785.9	6964.8	6656.5	6287.6	6006.8	5863.7	5880.2
40°	6645.5	6629.0	6755.6	7028.1	7438.3	7553.9	7218.1	6920.8	6651.0	6560.1	6604.2
42.5°	7306.2	7270.4	7344.7	7592.5	7909.1	7925.6	7672.3	7468.6	7284.2	7212.6	7240.1
45°	7837.5	7810.0	7878.8	8021.9	8203.6	8121.0	7999.9	7936.6	7787.9	7710.9	7735.6
47.5°	8233.9	8233.9	8316.5	8404.6	8432.1	8280.7	8300.0	8300.0	8151.3	8030.2	7999.9
50°	8575.3	8600.0	8723.9	8814.8	8723.9	8531.2	8641.3	8619.3	8316.5	8074.2	8010.9
52.5°	9120.3	9145.1	9335.1	9458.9	9357.1	9167.1	9180.9	8905.6	8459.6	8173.3	8074.2
55°	9698.4	9759.0	10034.3	10364.6	10367.4	10171.9	9808.6	9321.3	8779.0	8467.9	8366.0
57.5°	8941.4	9024.0	9434.2	10229.8	10805.1	10670.2	9803.1	8946.9	8214.6	7790.7	7732.9
60°	6152.7	6295.9	6706.1	7793.4	8902.9	8955.2	7931.1	6970.3	6130.7	5607.6	5618.7
62.5°	2598.7	2744.6	2975.9	3870.6	4889.1	4952.5	4456.9	3768.7	3083.2	2706.1	2763.9
65°	611.1	652.4	721.3	1070.9	1552.6	1624.2	1497.6	1167.2	861.7	729.5	743.3
67.5°	267.0	272.5	258.8	275.3	341.4	349.6	338.6	297.3	280.8	286.3	286.3
70°	187.2	189.9	178.9	170.7	162.4	151.4	156.9	173.4	187.2	198.2	195.5
72.5°	115.6	118.4	121.1	121.1	112.9	101.9	107.4	118.4	121.1	123.9	121.1
75°	57.8	60.6	66.1	68.8	66.1	63.3	63.3	66.1	66.1	63.3	63.3
77.5°	11.0	13.8	19.3	22.0	22.0	22.0	22.0	22.0	24.8	22.0	22.0
80°	2.8	2.8	5.5	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
82.5°	2.8	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
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)