

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: P640821

Luminaire Tested: GWS-SA5E-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640821  
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-SA5E-760-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26651.6 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
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

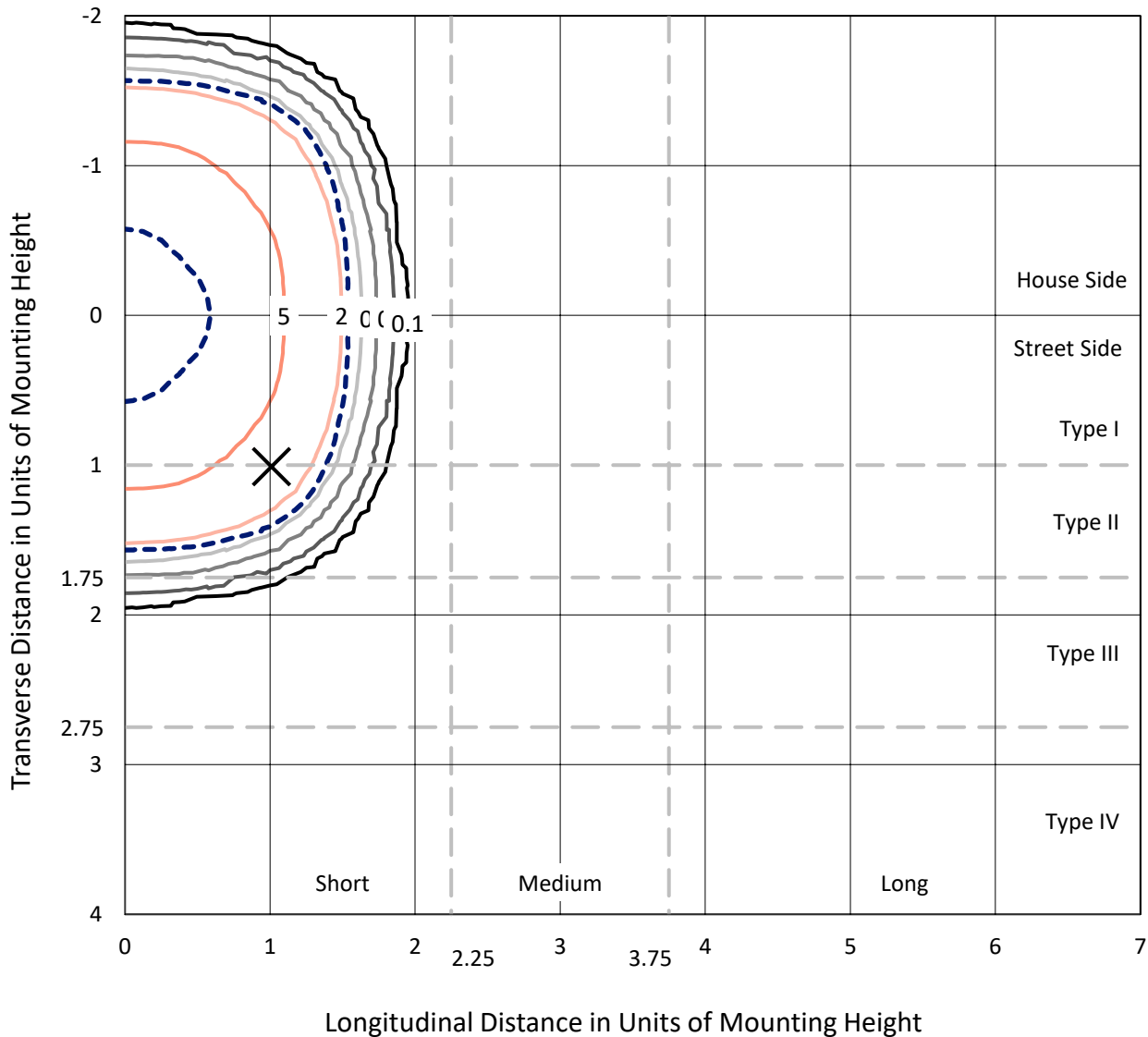


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### Iso-Footcandle Lines of Horizontal Illumination

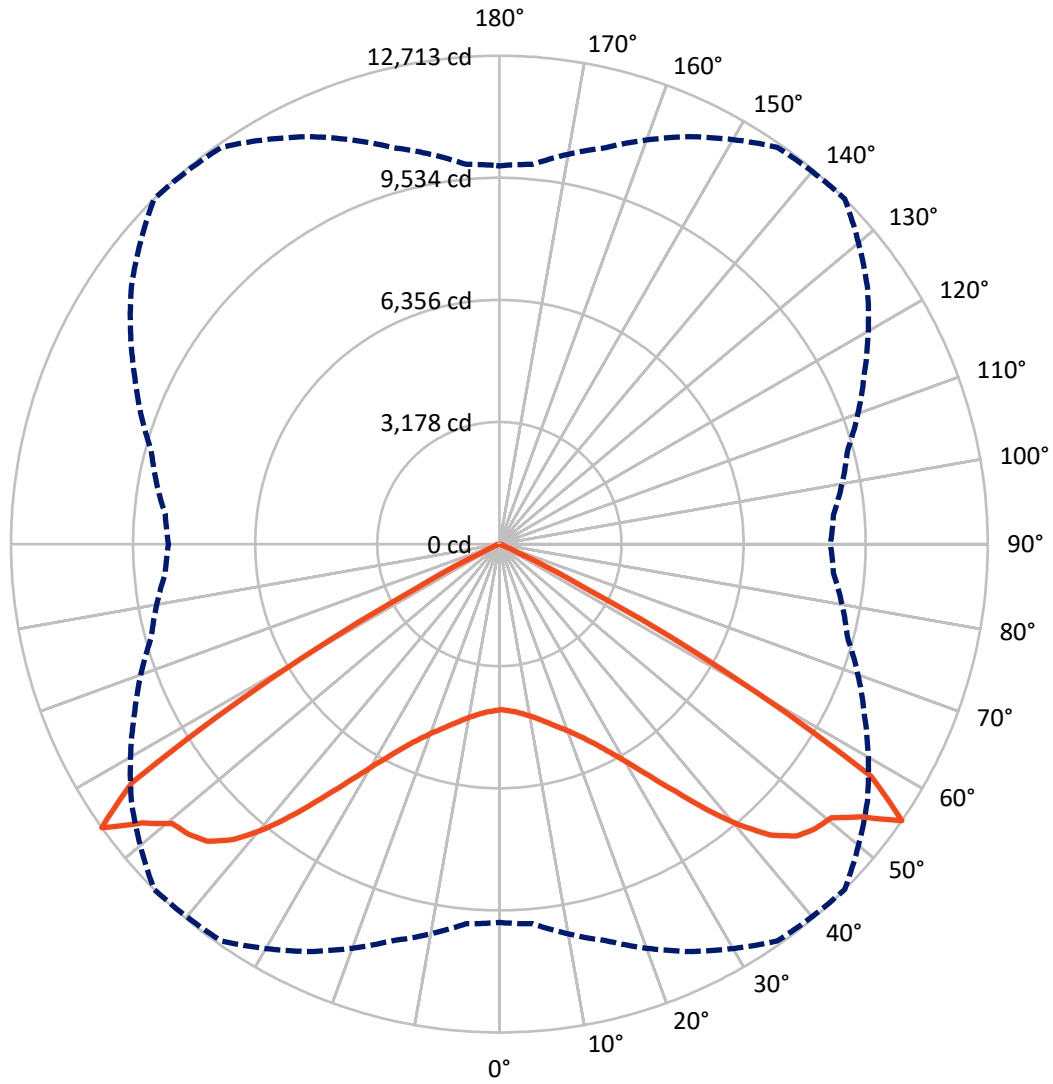
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13325.8	0.0	13325.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13325.8	0.0	13325.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26651.6	0.0	26651.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.2	1.6
10°-20°	1368.5	5.1
20°-30°	2650.4	9.9
30°-40°	4748.3	17.8
40°-50°	7960.9	29.9
50°-60°	8521.7	32.0
60°-70°	936.4	3.5
70°-80°	41.2	0.2
80°-90°	1.9	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°	26651.6	100.0
0°-180°	26651.6	100.0

**Coefficient of Utilization**



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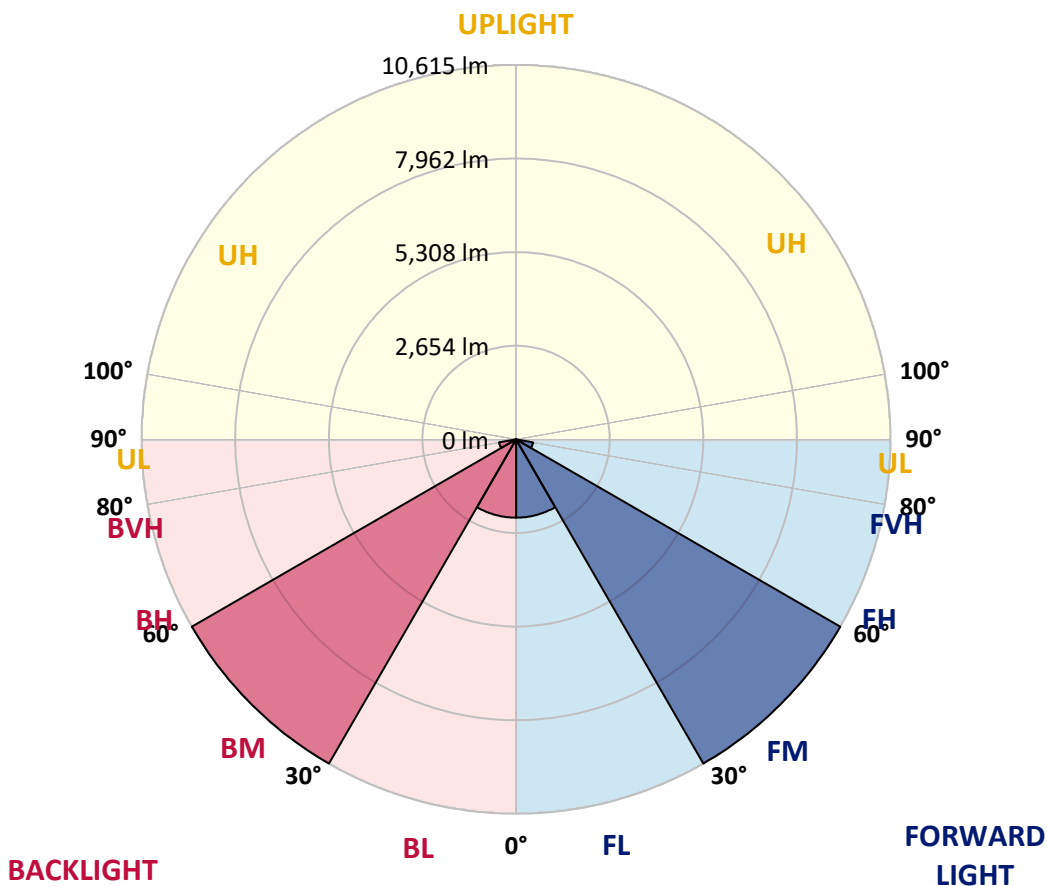
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2220.6	8.3			
FM (30°-60°)	10615.5	39.8			
FH (60°-80°)	488.8	1.8			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	2220.6	8.3	B3/2500		
BM (30°-60°)	10615.5	39.8	B5		
BH (60°-80°)	488.8	1.8	B1/500		G0/660
BVH (80°-90°)	1.0	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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1	4309.1
2.5°	4300.9	4300.9	4311.8	4319.9	4319.9	4341.6	4333.5	4325.3	4325.3	4314.5	4336.2
5°	4363.4	4360.6	4371.5	4376.9	4366.1	4387.8	4374.2	4366.1	4360.6	4349.8	4371.5
7.5°	4431.2	4434.0	4436.7	4447.5	4442.1	4463.8	4453.0	4436.7	4431.2	4414.9	4436.7
10°	4512.7	4512.7	4518.1	4531.7	4534.4	4561.6	4550.7	4531.7	4515.4	4499.1	4520.8
12.5°	4615.9	4618.6	4626.7	4645.7	4656.6	4686.5	4670.2	4632.2	4607.7	4588.7	4613.2
15°	4765.2	4762.5	4773.4	4800.5	4814.1	4835.8	4811.4	4759.8	4729.9	4708.2	4724.5
17.5°	4928.1	4928.1	4933.6	4960.7	4979.7	5012.3	4982.4	4920.0	4892.8	4863.0	4879.2
20°	5107.3	5115.5	5120.9	5139.9	5172.5	5205.1	5180.6	5118.2	5088.3	5050.3	5069.3
22.5°	5343.5	5335.4	5338.1	5370.7	5416.9	5449.4	5430.4	5357.1	5305.5	5275.7	5286.5
25°	5606.9	5604.2	5612.4	5661.2	5712.8	5748.1	5721.0	5625.9	5574.3	5522.8	5544.5
27.5°	5930.0	5932.8	5938.2	5997.9	6079.4	6131.0	6063.1	5968.0	5897.5	5829.6	5845.9
30°	6312.9	6307.5	6323.7	6405.2	6524.7	6606.1	6527.4	6394.3	6293.9	6228.7	6236.9
32.5°	6720.2	6725.6	6769.0	6899.4	7056.9	7200.8	7040.6	6864.1	6733.7	6611.6	6627.8
35°	7160.0	7173.6	7271.4	7464.1	7722.1	7914.9	7692.2	7401.7	7217.0	7059.6	7065.0
37.5°	7678.6	7711.2	7847.0	8134.8	8504.1	8762.0	8436.2	8050.6	7811.7	7616.2	7602.6
40°	8360.2	8398.2	8582.8	8924.9	9372.9	9609.2	9231.7	8835.3	8539.4	8327.6	8295.0
42.5°	9142.1	9191.0	9391.9	9742.2	10190.2	10350.4	9981.1	9647.2	9381.1	9131.3	9120.4
45°	10024.6	10051.7	10214.6	10483.5	10806.6	10844.6	10567.6	10383.0	10114.2	9880.7	9861.7
47.5°	10852.7	10879.9	10991.2	11129.7	11205.7	11069.9	11021.1	10939.6	10592.1	10304.3	10244.5
50°	11482.7	11504.4	11642.9	11697.2	11485.4	11197.6	11292.6	11118.8	10741.4	10418.3	10326.0
52.5°	11439.2	11493.5	11849.2	12158.7	12025.7	11792.2	11537.0	11162.3	10575.8	10133.2	10019.2
55°	9848.1	9921.4	10684.4	11702.6	12612.2	12712.6	11691.7	10483.5	9381.1	8732.1	8615.4
57.5°	6329.2	6348.2	7279.5	8707.7	10757.7	11403.9	9696.0	7904.0	6532.8	5818.7	5769.8
60°	2326.9	2288.9	2992.2	4176.0	6196.1	6880.4	5707.4	3996.8	2851.0	2345.9	2305.2
62.5°	559.3	564.8	700.5	1050.8	1944.1	2405.7	1900.7	1061.7	676.1	567.5	562.1
65°	282.4	277.0	279.7	301.4	415.4	496.9	407.3	287.8	277.0	279.7	277.0
67.5°	181.9	179.2	184.6	187.4	184.6	173.8	171.1	176.5	176.5	179.2	173.8
70°	111.3	108.6	114.0	122.2	116.8	103.2	108.6	114.0	108.6	105.9	105.9
72.5°	59.7	59.7	65.2	70.6	65.2	59.7	59.7	62.5	59.7	59.7	59.7
75°	27.2	27.2	29.9	32.6	27.2	27.2	27.2	27.2	27.2	27.2	27.2
77.5°	8.1	8.1	10.9	10.9	8.1	8.1	8.1	8.1	10.9	10.9	10.9
80°	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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)