

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: P640769

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 20208.7 lumens  
Efficiency: N/A  
Efficacy: 75.0 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): 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

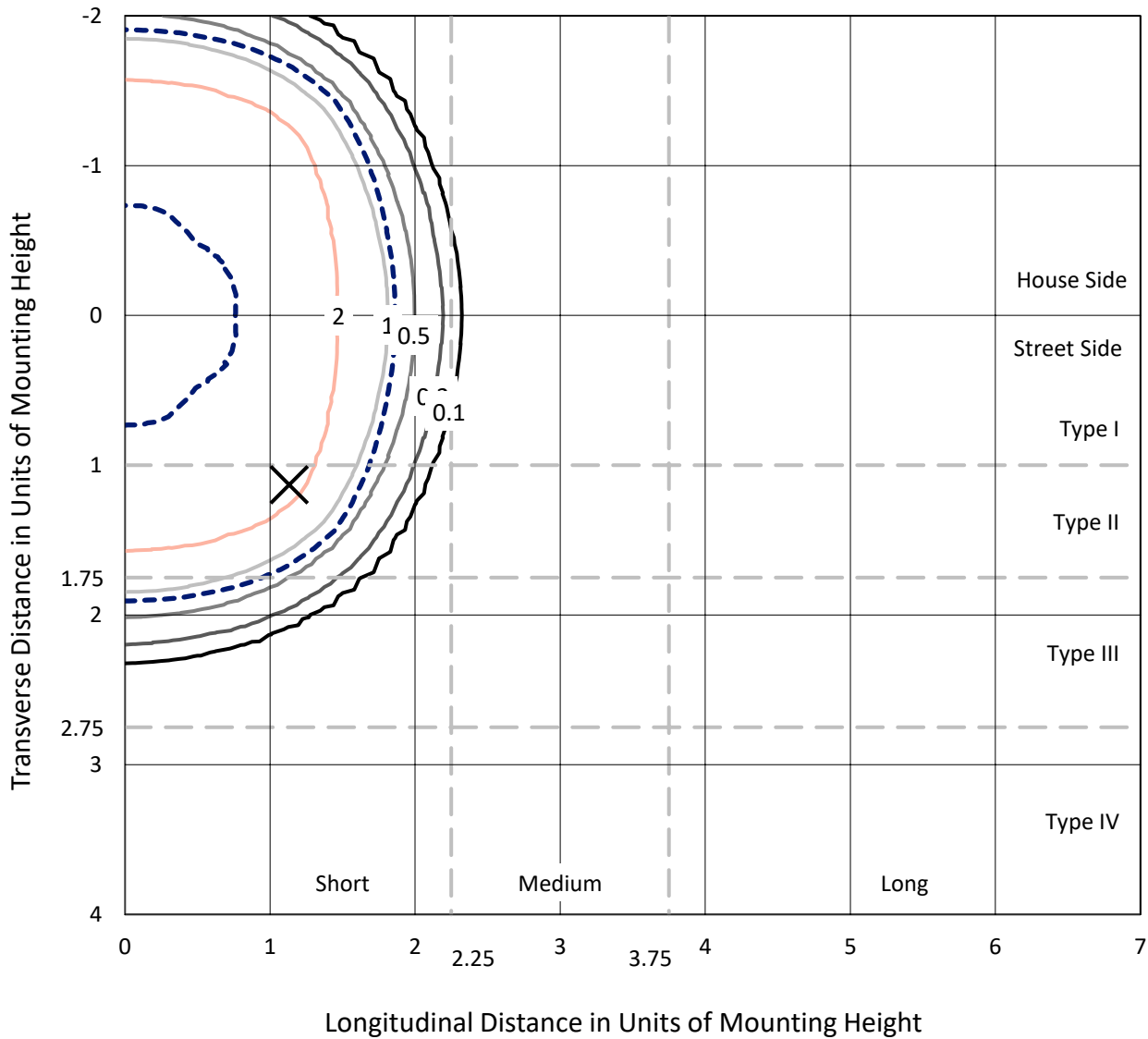


REPORT NUMBER: P640769

CATALOG NUMBER: GWS-SA5E-750-U-5WQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

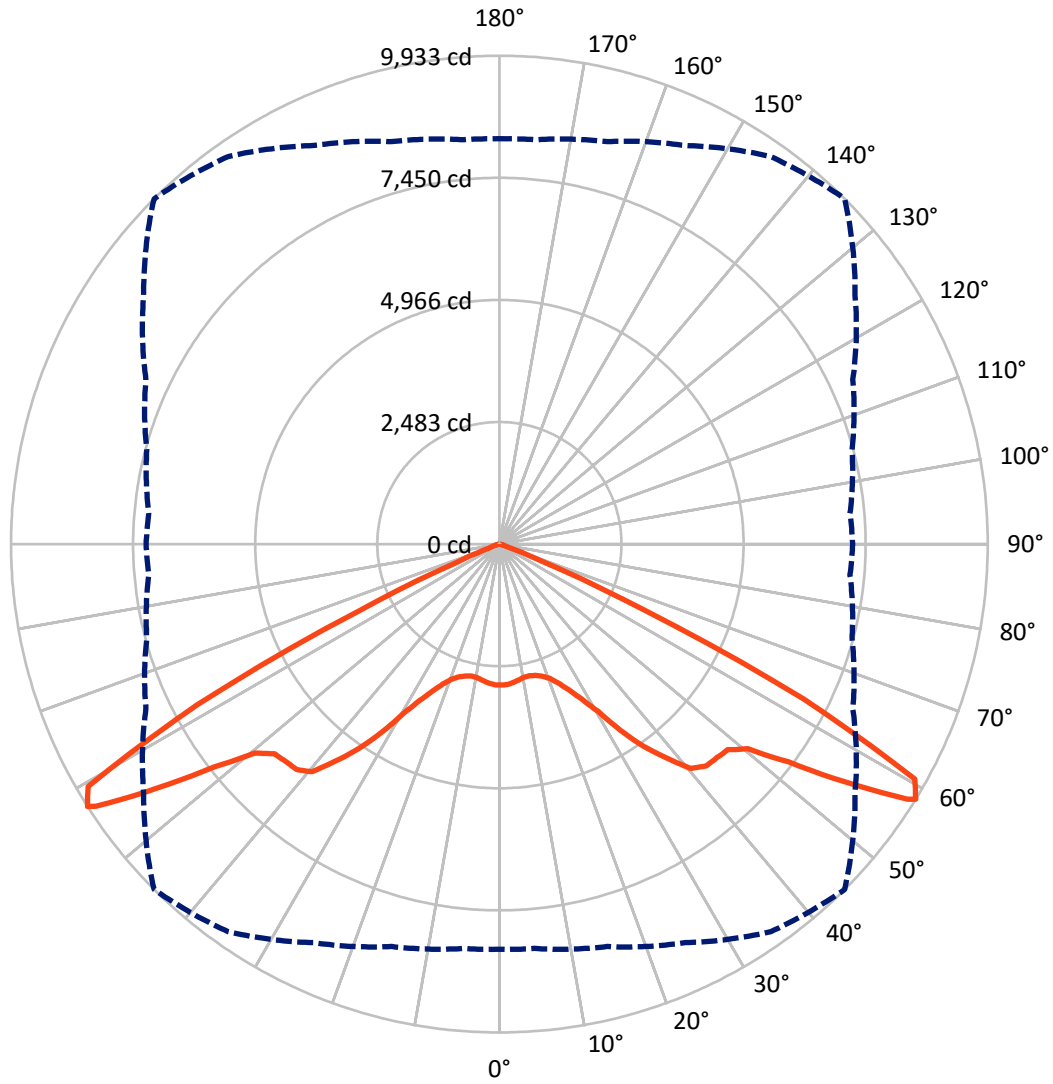
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P640769  
CATALOG NUMBER: GWS-SA5E-750-U-5WQ-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P640769

CATALOG NUMBER: GWS-SA5E-750-U-5WQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10104.4	0.0	10104.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10104.4	0.0	10104.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20208.7	0.0	20208.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.4	1.3
10°-20°	791.2	3.9
20°-30°	1496.3	7.4
30°-40°	2951.1	14.6
40°-50°	4670.1	23.1
50°-60°	6864.8	34.0
60°-70°	3064.2	15.2
70°-80°	102.7	0.5
80°-90°	0.9	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°	20208.7	100.0
0°-180°	20208.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640769

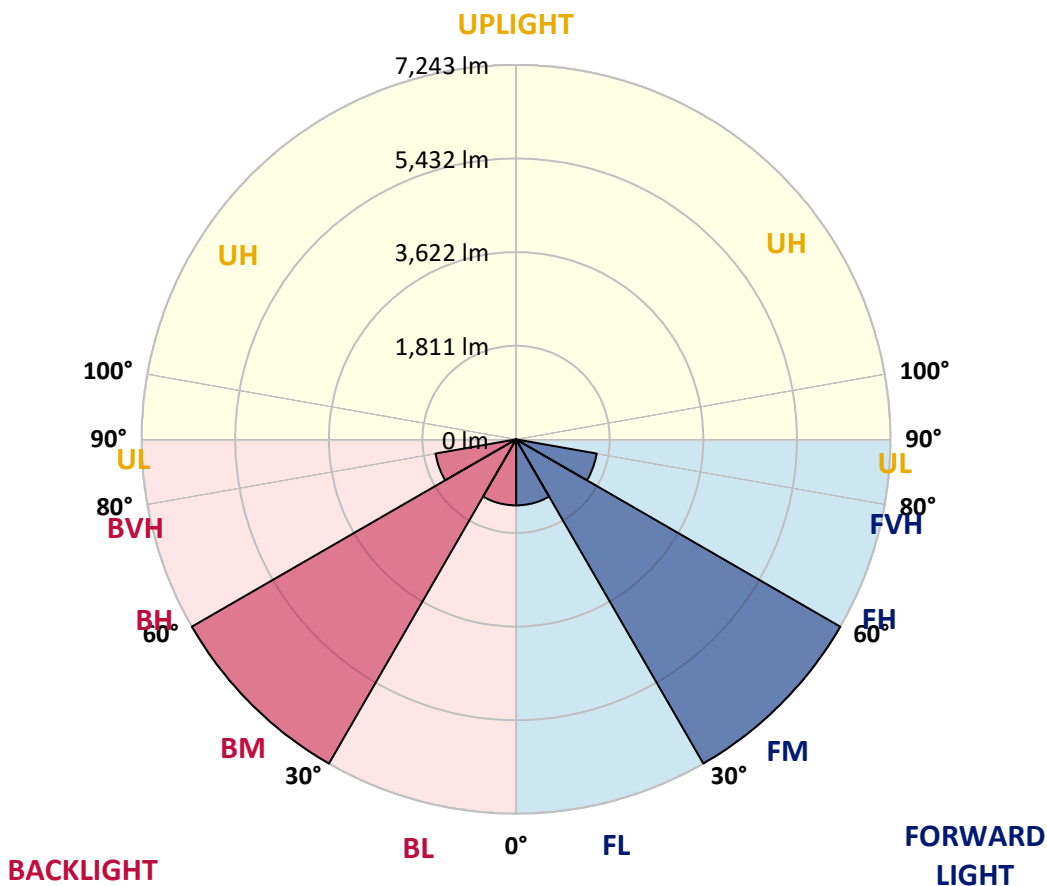
CATALOG NUMBER: GWS-SA5E-750-U-5WQ-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1277.5	6.3			
FM (30°-60°)	7243.0	35.8			
FH (60°-80°)	1583.4	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1277.5	6.3	B3/2500		
BM (30°-60°)	7243.0	35.8	B4/8500		
BH (60°-80°)	1583.4	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
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





REPORT NUMBER: P640769

CATALOG NUMBER: GWS-SA5E-750-U-5WQ-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9	2865.9
2.5°	2838.3	2843.8	2849.3	2852.1	2854.9	2863.1	2865.9	2857.6	2857.6	2841.1	2860.4
5°	2824.6	2830.1	2835.6	2832.8	2832.8	2832.8	2830.1	2819.1	2816.3	2799.8	2819.1
7.5°	2799.8	2805.3	2805.3	2797.0	2791.5	2791.5	2788.8	2775.0	2772.3	2755.7	2775.0
10°	2780.5	2783.3	2780.5	2764.0	2753.0	2753.0	2750.2	2744.7	2747.5	2736.5	2753.0
12.5°	2791.5	2794.3	2783.3	2761.2	2747.5	2744.7	2736.5	2728.2	2736.5	2733.7	2750.2
15°	2827.3	2830.1	2810.8	2783.3	2772.3	2772.3	2750.2	2728.2	2739.2	2742.0	2761.2
17.5°	2871.4	2871.4	2846.6	2821.8	2824.6	2824.6	2788.8	2750.2	2753.0	2764.0	2783.3
20°	2923.7	2923.7	2898.9	2893.4	2912.7	2915.4	2871.4	2810.8	2797.0	2805.3	2827.3
22.5°	3017.3	3017.3	2998.0	3011.8	3055.8	3069.6	3003.5	2918.2	2885.1	2890.6	2912.7
25°	3163.2	3163.2	3157.7	3190.7	3254.0	3284.3	3196.2	3083.3	3028.3	3020.0	3044.8
27.5°	3408.2	3411.0	3402.7	3452.2	3532.1	3567.9	3446.7	3298.1	3232.0	3218.2	3243.0
30°	3724.8	3724.8	3727.5	3796.4	3901.0	3947.8	3788.1	3614.7	3537.6	3493.5	3526.6
32.5°	4077.2	4082.7	4110.2	4225.8	4410.3	4506.6	4272.6	4030.4	3906.5	3859.7	3895.5
35°	4658.1	4605.8	4572.7	4658.1	4925.1	5051.7	4751.7	4468.1	4374.5	4369.0	4459.8
37.5°	5233.4	5203.2	5134.3	5222.4	5461.9	5519.7	5189.4	4952.6	4886.6	4922.3	5013.2
40°	5690.4	5635.4	5544.5	5627.1	5941.0	5998.8	5591.3	5357.3	5332.5	5412.4	5536.3
42.5°	6051.1	5974.0	5852.9	5872.1	6125.4	6166.7	5806.1	5629.9	5646.4	5745.5	5885.9
45°	6213.5	6152.9	6045.6	6037.3	6197.0	6199.7	5916.2	5825.3	5869.4	5946.5	6056.6
47.5°	6282.3	6254.8	6194.2	6180.5	6271.3	6249.3	6073.1	6034.6	6075.8	6097.9	6161.2
50°	6453.0	6453.0	6461.3	6472.3	6565.9	6543.9	6420.0	6375.9	6323.6	6246.5	6265.8
52.5°	6932.0	6951.3	7031.1	7119.2	7289.9	7361.5	7160.5	6904.5	6654.0	6486.0	6486.0
55°	7796.5	7815.7	7909.3	8058.0	8371.8	8542.5	8074.5	7510.2	7166.0	6937.5	6967.8
57.5°	8272.7	8294.8	8487.5	8889.4	9497.8	9786.9	8782.0	7945.1	7463.4	7201.8	7223.8
58°	8242.5	8256.2	8473.7	8944.5	9621.7	9932.8	8831.6	7931.4	7424.8	7157.8	7185.3
60°	7323.0	7303.7	7650.6	8322.3	9277.6	9707.0	8338.8	7240.4	6651.2	6378.7	6392.4
62.5°	4787.4	4798.5	5098.5	5800.6	6543.9	6948.5	5825.3	5007.7	4534.2	4369.0	4327.7
65°	1998.7	1962.9	2147.3	2538.3	2984.2	3210.0	2758.5	2334.5	2042.7	1932.6	1962.9
67.5°	514.8	501.0	512.1	641.4	784.6	927.8	779.1	594.6	517.6	523.1	523.1
70°	291.8	275.3	223.0	206.5	201.0	201.0	201.0	201.0	231.3	272.5	280.8
72.5°	220.2	206.5	162.4	140.4	123.9	115.6	121.1	140.4	167.9	203.7	209.2
75°	110.1	110.1	99.1	93.6	82.6	77.1	79.8	88.1	101.9	115.6	112.9
77.5°	22.0	24.8	27.5	33.0	27.5	27.5	27.5	33.0	33.0	35.8	33.0
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	0.0	2.8	2.8	0.0	0.0	0.0	0.0	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	0.0	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)