

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: P640103

Luminaire Tested: GWS-SA5D-730-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640103  
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-SA5D-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16714.1 lumens  
Efficiency: N/A  
Efficacy: 81.7 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): 204.6  
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

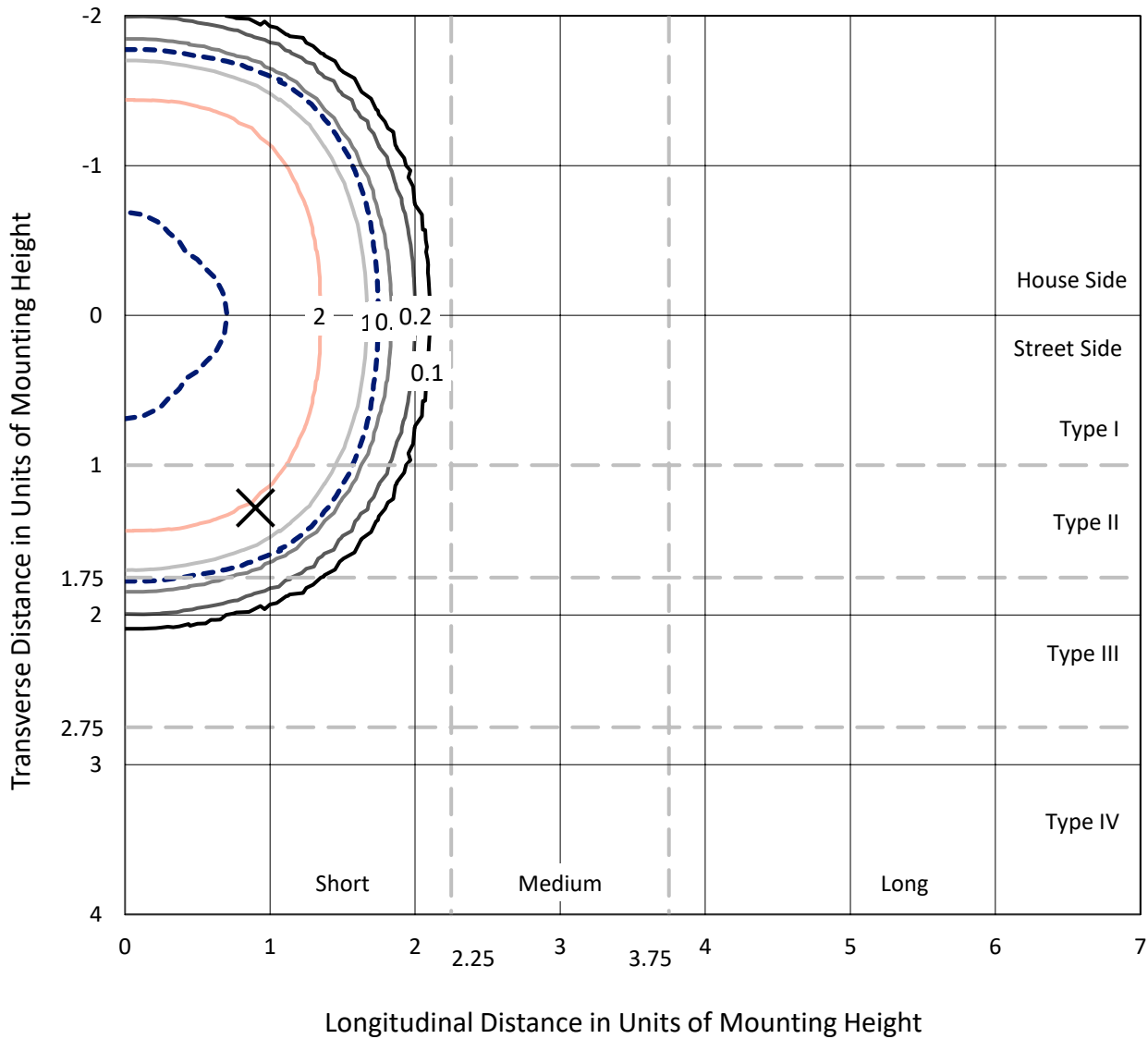


REPORT NUMBER: P640103

CATALOG NUMBER: GWS-SA5D-730-U-5MQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

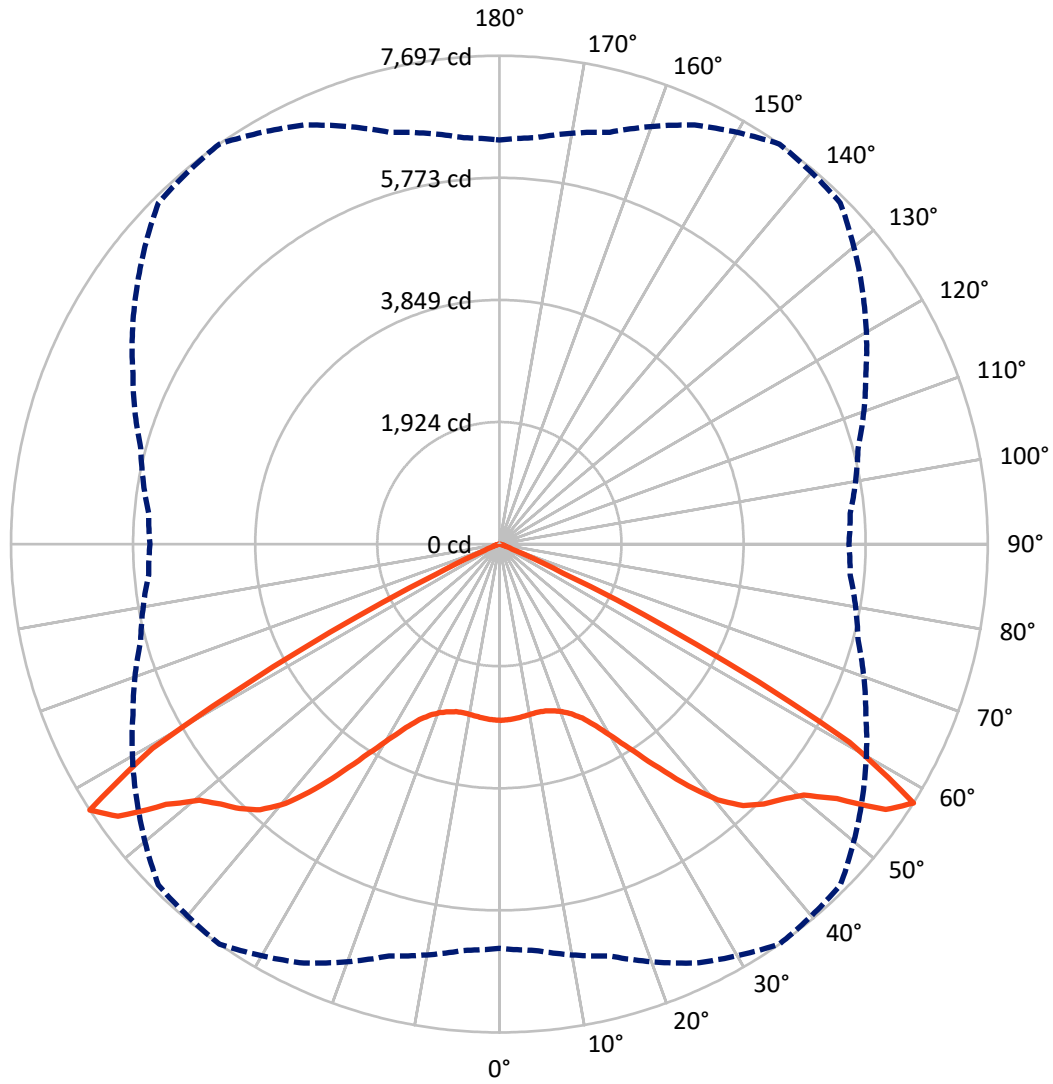
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P640103  
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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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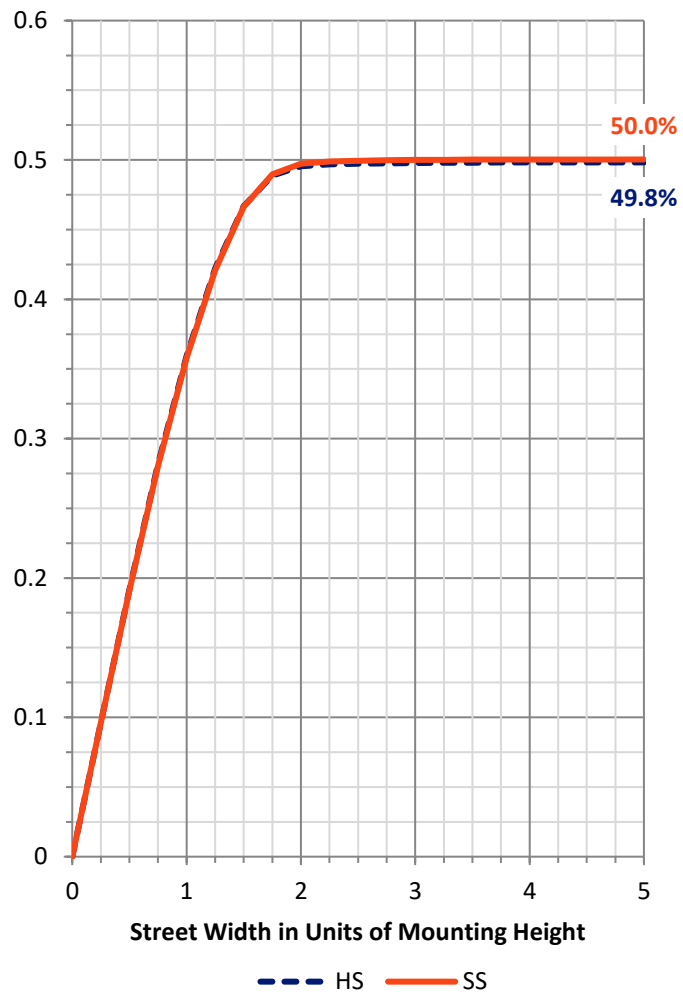
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8357.1	0.0	8357.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8357.1	0.0	8357.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16714.1	0.0	16714.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.8	1.6
10°-20°	770.1	4.6
20°-30°	1392.1	8.3
30°-40°	2597.0	15.5
40°-50°	4356.6	26.1
50°-60°	5753.3	34.4
60°-70°	1527.9	9.1
70°-80°	54.3	0.3
80°-90°	1.0	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°	16714.1	100.0
0°-180°	16714.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640103

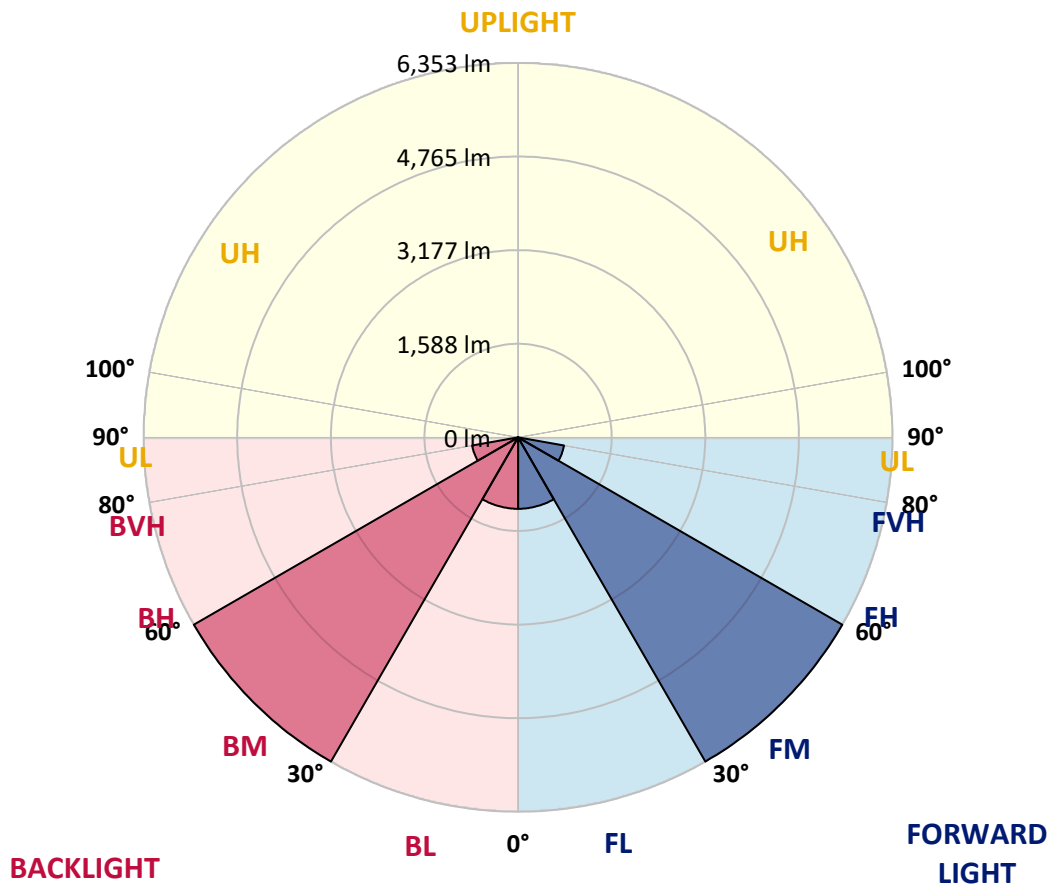
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.0	7.3			
FM (30°-60°)	6353.4	38.0			
FH (60°-80°)	791.1	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1212.0	7.3	B3/2500		
BM (30°-60°)	6353.4	38.0	B4/8500		
BH (60°-80°)	791.1	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9	2778.9
2.5°	2759.3	2757.3	2765.1	2771.0	2771.0	2784.8	2780.8	2776.9	2773.0	2767.1	2780.8
5°	2755.3	2753.4	2759.3	2763.2	2759.3	2771.0	2763.2	2755.3	2751.4	2743.6	2759.3
7.5°	2737.7	2739.6	2743.6	2747.5	2741.6	2751.4	2741.6	2729.8	2720.0	2712.2	2725.9
10°	2710.2	2712.2	2716.1	2724.0	2725.9	2739.6	2725.9	2704.3	2690.6	2678.9	2692.6
12.5°	2696.5	2698.5	2704.3	2714.2	2716.1	2733.8	2716.1	2684.7	2665.1	2651.4	2665.1
15°	2700.4	2704.3	2712.2	2724.0	2727.9	2745.5	2722.0	2680.8	2653.4	2635.7	2647.5
17.5°	2714.2	2718.1	2729.8	2749.5	2763.2	2780.8	2751.4	2698.5	2661.2	2635.7	2647.5
20°	2731.8	2737.7	2757.3	2788.7	2818.1	2849.5	2812.2	2739.6	2690.6	2659.2	2669.0
22.5°	2780.8	2786.7	2814.2	2855.4	2904.4	2943.6	2898.5	2806.3	2739.6	2698.5	2708.3
25°	2880.8	2886.7	2922.0	2975.0	3037.7	3088.7	3031.9	2916.1	2829.9	2782.8	2786.7
27.5°	3037.7	3043.6	3084.8	3159.3	3243.6	3316.2	3233.8	3098.5	3000.5	2945.6	2945.6
30°	3235.8	3243.6	3298.6	3398.6	3530.0	3626.1	3514.3	3349.5	3224.0	3149.5	3151.5
32.5°	3490.7	3482.9	3561.3	3698.6	3884.9	4012.4	3847.7	3647.6	3492.7	3388.8	3398.6
35°	3818.2	3816.3	3904.5	4090.8	4334.0	4487.0	4290.9	4032.0	3845.7	3739.8	3741.8
37.5°	4239.9	4237.9	4339.9	4541.9	4834.1	4961.6	4741.9	4479.1	4279.1	4177.1	4188.9
40°	4734.1	4722.3	4812.5	5006.7	5298.9	5381.2	5142.0	4930.2	4738.0	4673.3	4704.7
42.5°	5204.7	5179.2	5232.2	5408.7	5634.2	5646.0	5465.6	5320.4	5189.1	5138.1	5157.7
45°	5583.2	5563.6	5612.6	5714.6	5844.1	5785.2	5698.9	5653.8	5547.9	5493.0	5510.7
47.5°	5865.6	5865.6	5924.5	5987.2	6006.8	5899.0	5912.7	5912.7	5806.8	5720.5	5698.9
50°	6108.8	6126.5	6214.7	6279.4	6214.7	6077.4	6155.9	6140.2	5924.5	5751.9	5706.8
52.5°	6497.1	6514.8	6650.1	6738.3	6665.8	6530.4	6540.2	6344.1	6026.4	5822.5	5751.9
55°	6908.9	6952.1	7148.2	7383.5	7385.5	7246.2	6987.4	6640.3	6253.9	6032.3	5959.8
57.5°	6369.6	6428.5	6720.7	7287.4	7697.3	7601.2	6983.5	6373.6	5851.9	5549.9	5508.7
60°	4383.0	4485.0	4777.2	5551.9	6342.2	6379.4	5649.9	4965.5	4367.4	3994.7	4002.6
62.5°	1851.3	1955.2	2119.9	2757.3	3482.9	3528.0	3175.0	2684.7	2196.4	1927.8	1968.9
65°	435.4	464.8	513.8	762.9	1106.1	1157.0	1066.8	831.5	613.8	519.7	529.5
67.5°	190.2	194.1	184.3	196.1	243.2	249.1	241.2	211.8	200.0	204.0	204.0
70°	133.4	135.3	127.5	121.6	115.7	107.9	111.8	123.5	133.4	141.2	139.2
72.5°	82.4	84.3	86.3	86.3	80.4	72.6	76.5	84.3	86.3	88.2	86.3
75°	41.2	43.1	47.1	49.0	47.1	45.1	45.1	47.1	47.1	45.1	45.1
77.5°	7.8	9.8	13.7	15.7	15.7	15.7	15.7	15.7	17.6	15.7	15.7
80°	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
82.5°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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)