

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: P642633

Luminaire Tested: GWS-SA6D-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642633  
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-SA6D-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

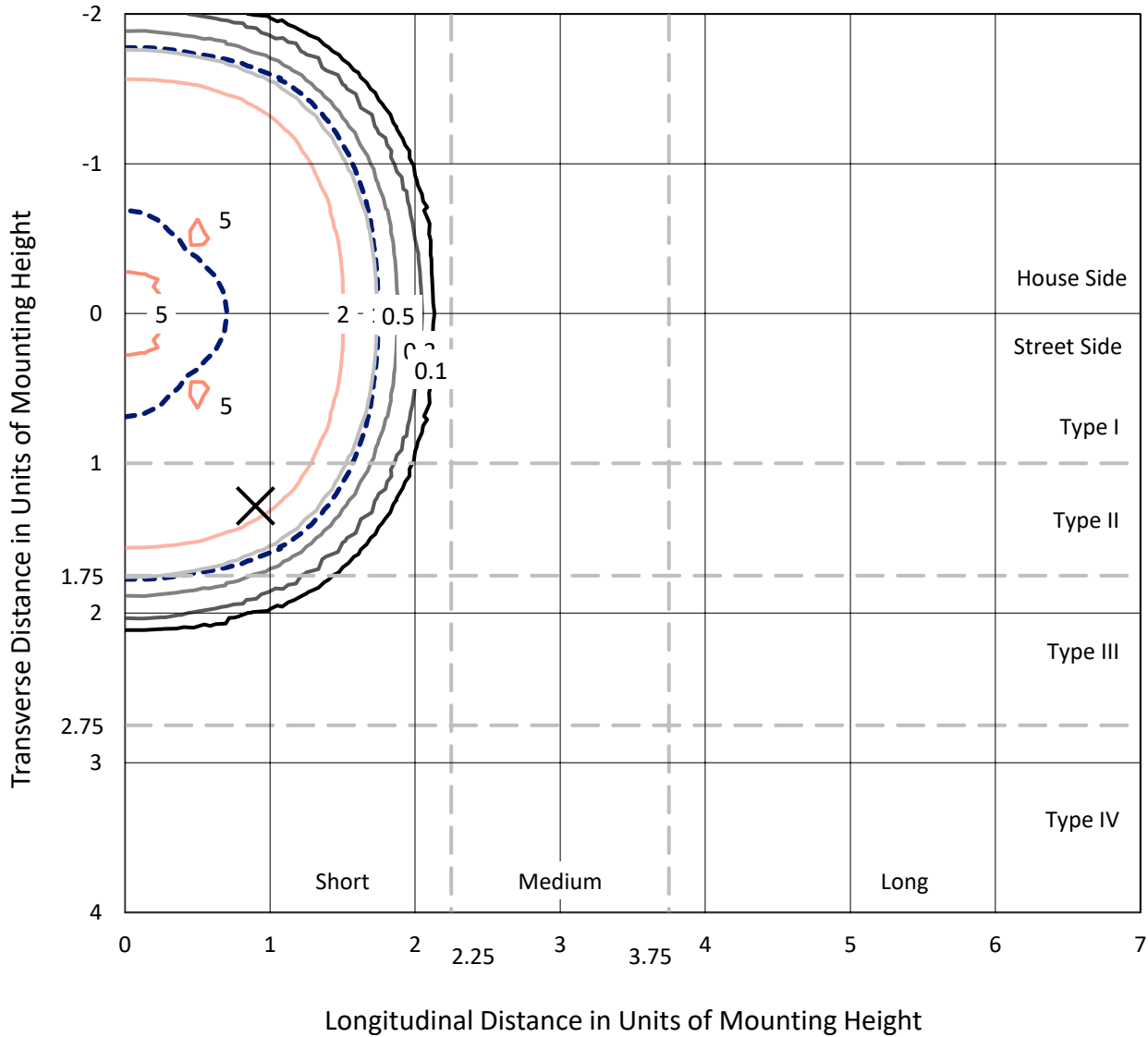
Lumens per Lamp: N/A  
Luminaire Lumens: 21586.7 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

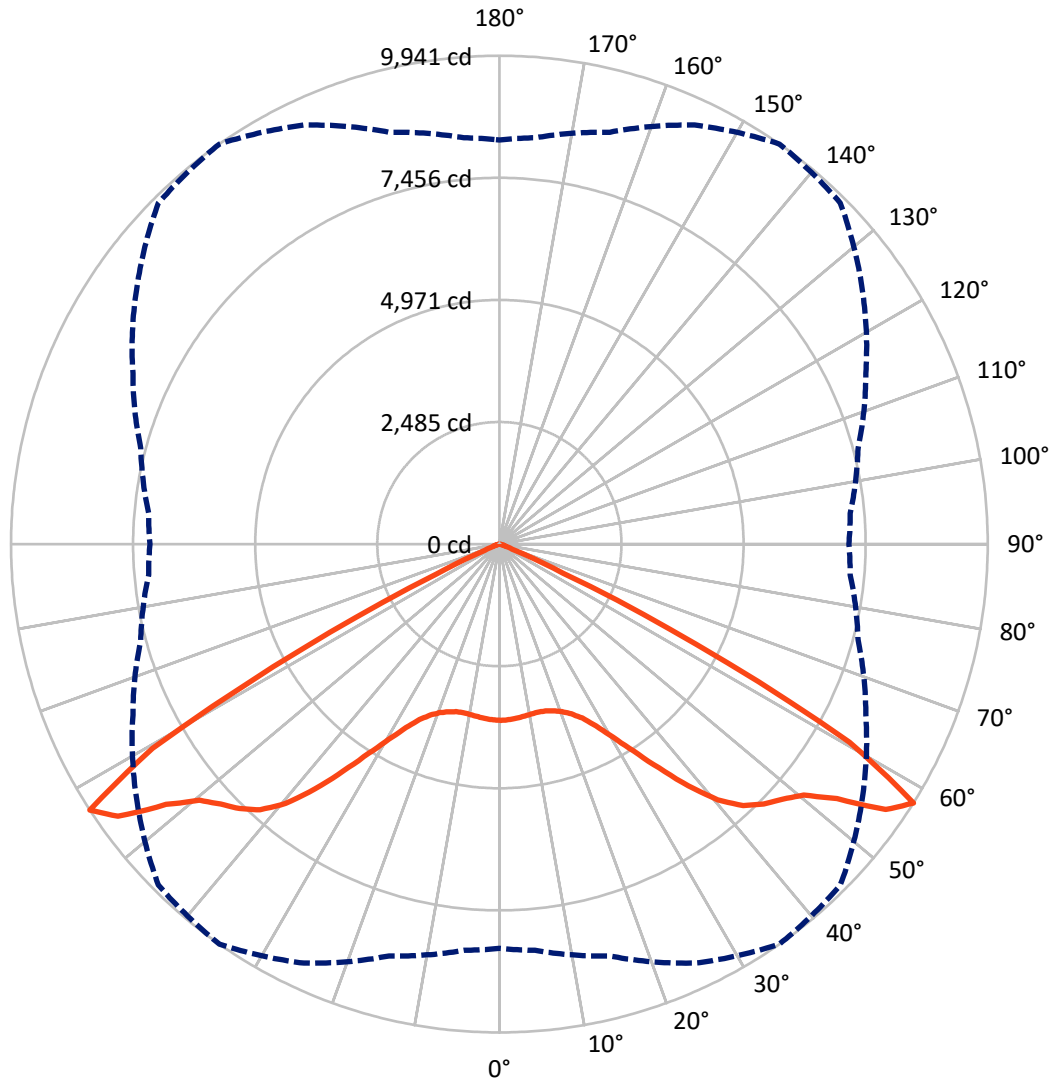
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	10793.3	0.0	10793.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10793.3	0.0	10793.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21586.7	0.0	21586.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.1	1.6
10°-20°	994.7	4.6
20°-30°	1797.9	8.3
30°-40°	3354.1	15.5
40°-50°	5626.6	26.1
50°-60°	7430.5	34.4
60°-70°	1973.4	9.1
70°-80°	70.1	0.3
80°-90°	1.2	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°	21586.7	100.0
0°-180°	21586.7	100.0

**Coefficient of Utilization**



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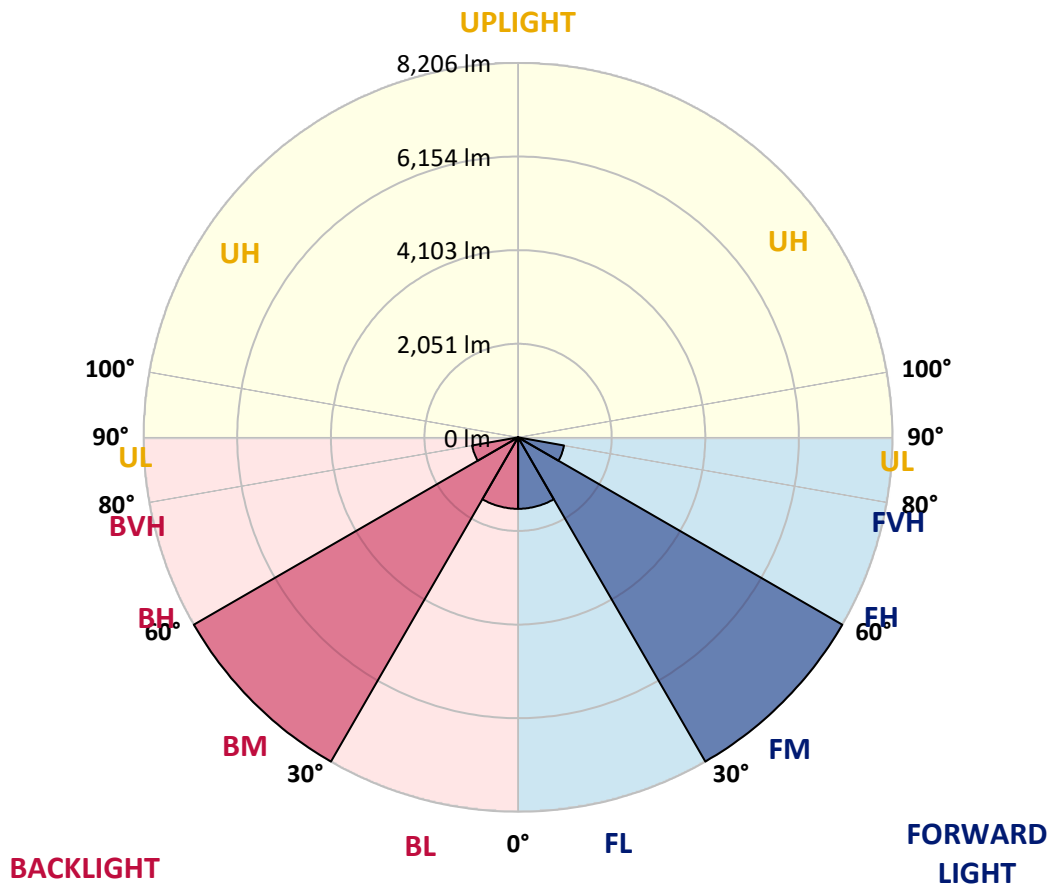
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1565.4	7.3			
FM (30°-60°)	8205.6	38.0			
FH (60°-80°)	1021.7	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1565.4	7.3	B3/2500		
BM (30°-60°)	8205.6	38.0	B4/8500		
BH (60°-80°)	1021.7	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	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°	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0
2.5°	3563.7	3561.1	3571.3	3578.9	3578.9	3596.6	3591.5	3586.5	3581.4	3573.8	3591.5
5°	3558.6	3556.1	3563.7	3568.7	3563.7	3578.9	3568.7	3558.6	3553.5	3543.4	3563.7
7.5°	3535.8	3538.3	3543.4	3548.5	3540.9	3553.5	3540.9	3525.7	3513.0	3502.9	3520.6
10°	3500.3	3502.9	3507.9	3518.1	3520.6	3538.3	3520.6	3492.7	3475.0	3459.8	3477.5
12.5°	3482.6	3485.1	3492.7	3505.4	3507.9	3530.7	3507.9	3467.4	3442.1	3424.4	3442.1
15°	3487.7	3492.7	3502.9	3518.1	3523.1	3545.9	3515.5	3462.3	3426.9	3404.1	3419.3
17.5°	3505.4	3510.5	3525.7	3551.0	3568.7	3591.5	3553.5	3485.1	3437.0	3404.1	3419.3
20°	3528.2	3535.8	3561.1	3601.6	3639.6	3680.2	3632.0	3538.3	3475.0	3434.5	3447.1
22.5°	3591.5	3599.1	3634.6	3687.8	3751.1	3801.7	3743.5	3624.4	3538.3	3485.1	3497.8
25°	3720.7	3728.3	3773.9	3842.3	3923.3	3989.2	3915.7	3766.3	3654.8	3594.0	3599.1
27.5°	3923.3	3930.9	3984.1	4080.3	4189.3	4283.0	4176.6	4001.8	3875.2	3804.3	3804.3
30°	4179.1	4189.3	4260.2	4389.3	4559.0	4683.2	4538.8	4326.0	4163.9	4067.7	4070.2
32.5°	4508.4	4498.3	4599.6	4776.9	5017.5	5182.1	4969.4	4711.0	4510.9	4376.7	4389.3
35°	4931.4	4928.8	5042.8	5283.4	5597.5	5795.1	5541.8	5207.4	4966.8	4830.1	4832.6
37.5°	5475.9	5473.4	5605.1	5866.0	6243.4	6408.0	6124.3	5784.9	5526.6	5394.9	5410.1
40°	6114.2	6099.0	6215.5	6466.2	6843.6	6950.0	6641.0	6367.5	6119.3	6035.7	6076.2
42.5°	6722.1	6689.1	6757.5	6985.5	7276.7	7291.9	7058.9	6871.5	6701.8	6635.9	6661.3
45°	7210.9	7185.6	7248.9	7380.6	7547.8	7471.8	7360.3	7302.1	7165.3	7094.4	7117.2
47.5°	7575.6	7575.6	7651.6	7732.7	7758.0	7618.7	7636.4	7636.4	7499.6	7388.2	7360.3
50°	7889.7	7912.5	8026.5	8110.0	8026.5	7849.2	7950.5	7930.2	7651.6	7428.7	7370.5
52.5°	8391.2	8414.0	8588.7	8702.7	8609.0	8434.2	8446.9	8193.6	7783.3	7519.9	7428.7
55°	8923.1	8978.8	9232.1	9536.0	9538.5	9358.7	9024.4	8576.1	8077.1	7790.9	7697.2
57.5°	8226.5	8302.5	8679.9	9411.9	9941.3	9817.1	9019.3	8231.6	7557.9	7167.8	7114.6
60°	5660.8	5792.5	6169.9	7170.4	8191.1	8239.2	7297.0	6413.1	5640.6	5159.3	5169.5
62.5°	2391.0	2525.2	2738.0	3561.1	4498.3	4556.5	4100.6	3467.4	2836.7	2489.7	2542.9
65°	562.3	600.3	663.6	985.3	1428.5	1494.4	1377.8	1073.9	792.8	671.2	683.9
67.5°	245.7	250.7	238.1	253.3	314.1	321.7	311.5	273.5	258.3	263.4	263.4
70°	172.2	174.8	164.6	157.0	149.4	139.3	144.4	159.6	172.2	182.4	179.8
72.5°	106.4	108.9	111.4	111.4	103.8	93.7	98.8	108.9	111.4	114.0	111.4
75°	53.2	55.7	60.8	63.3	60.8	58.3	58.3	60.8	60.8	58.3	58.3
77.5°	10.1	12.7	17.7	20.3	20.3	20.3	20.3	20.3	22.8	20.3	20.3
80°	2.5	2.5	5.1	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1
82.5°	2.5	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
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)