

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: P636202

Luminaire Tested: GWS-SA3F-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21862 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
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

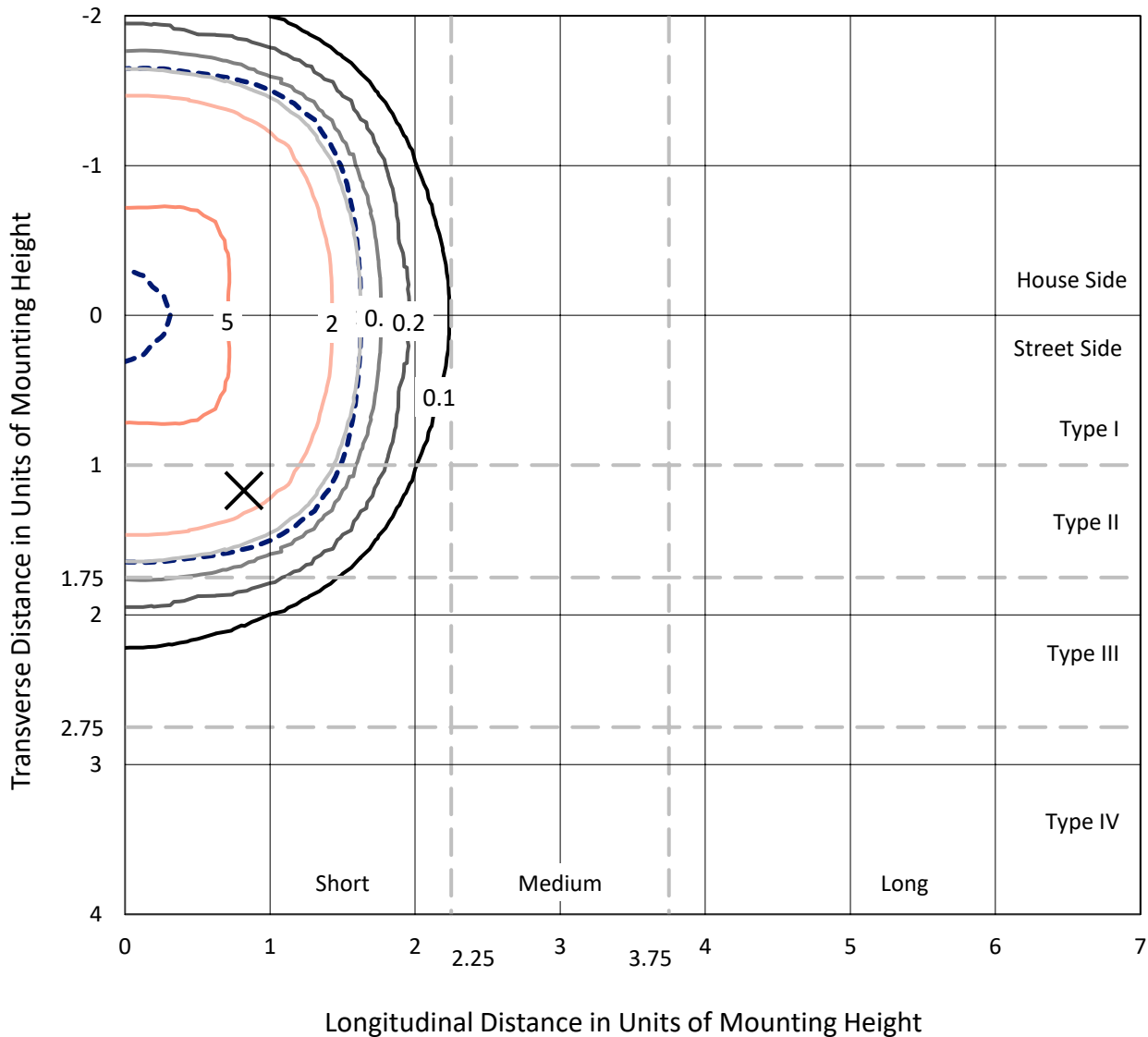


REPORT NUMBER: P636202

CATALOG NUMBER: GWS-SA3F-735-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

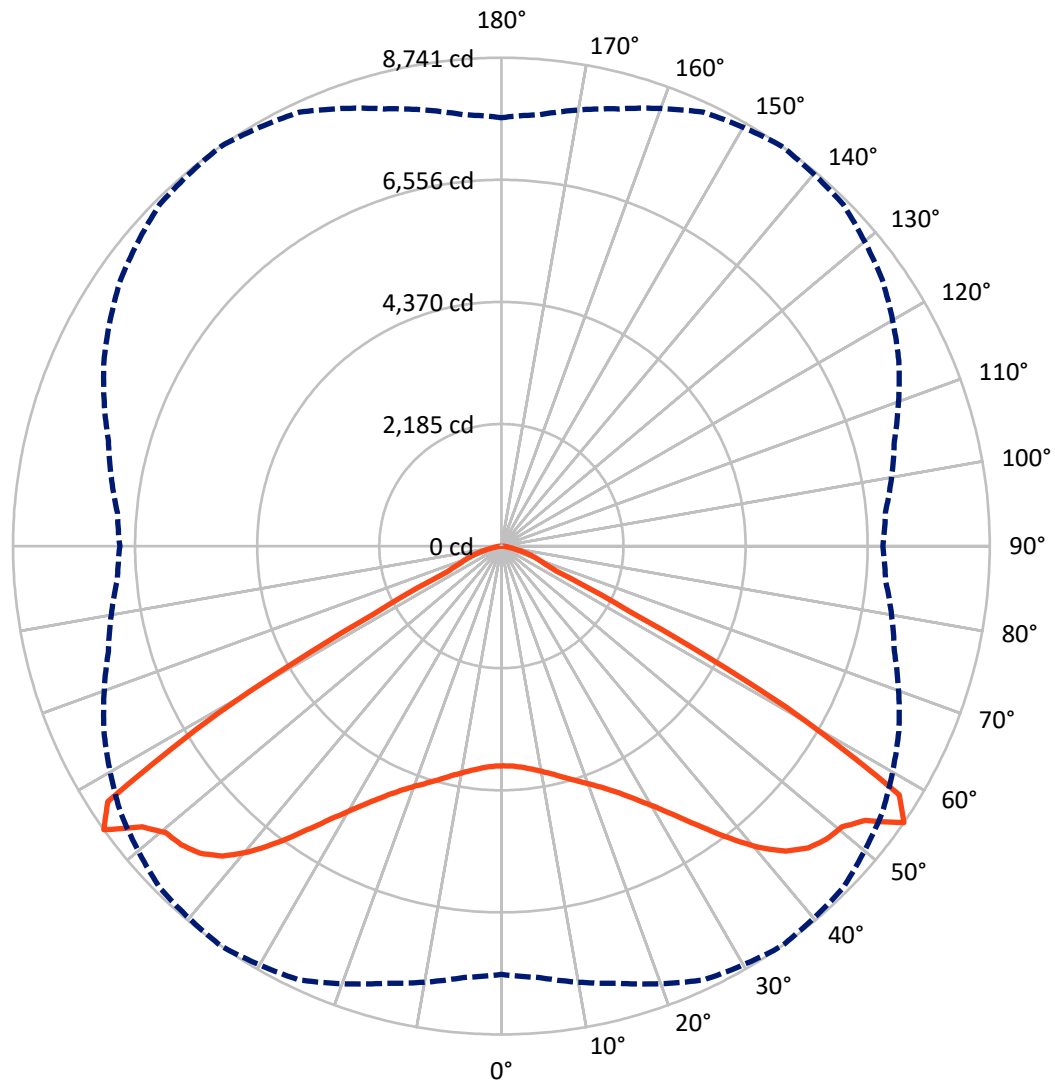
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P636202  
CATALOG NUMBER: GWS-SA3F-735-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P636202

CATALOG NUMBER: GWS-SA3F-735-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10931.0	0.0	10931.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10931.0	0.0	10931.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21862.0	0.0	21862.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.6	1.8
10°-20°	1221.4	5.6
20°-30°	2260.5	10.3
30°-40°	3781.3	17.3
40°-50°	5762.1	26.4
50°-60°	6454.8	29.5
60°-70°	1527.3	7.0
70°-80°	411.8	1.9
80°-90°	59.3	0.3
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°	21862.0	100.0
0°-180°	21862.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636202

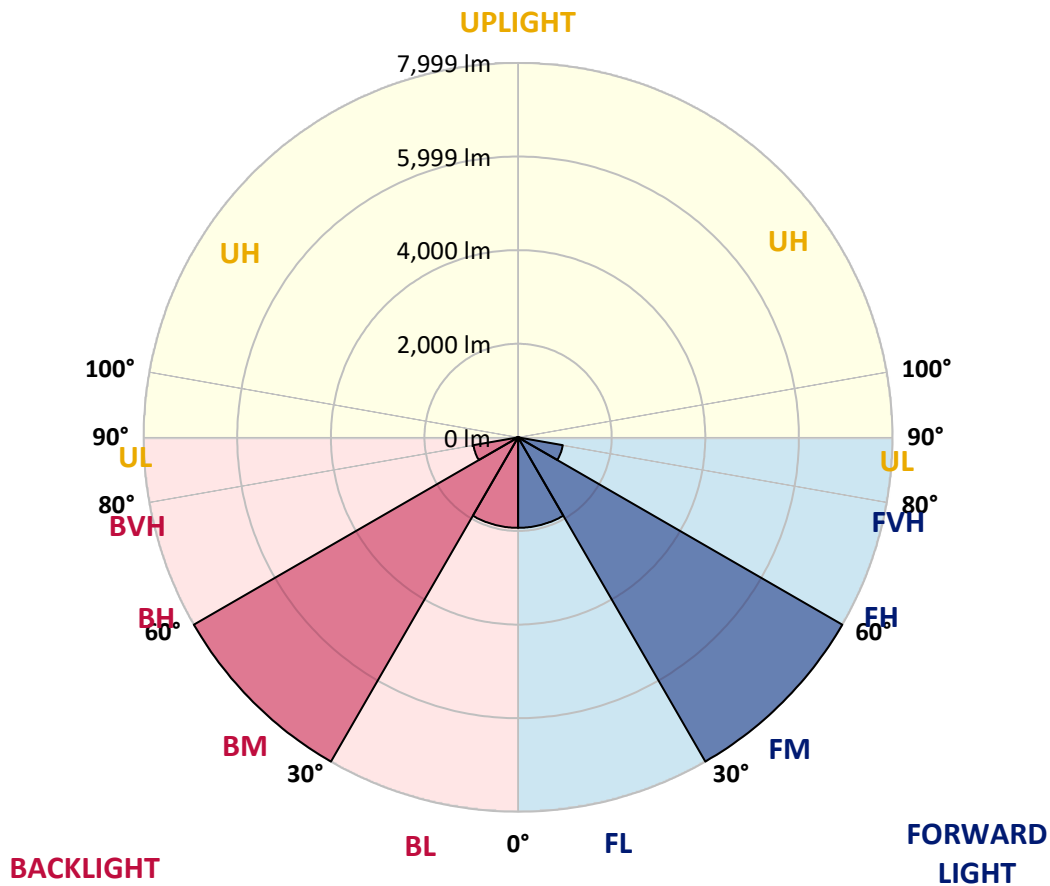
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.7	8.8			
FM (30°-60°)	7999.1	36.6			
FH (60°-80°)	969.5	4.4			G1/1800
FVH (80°-90°)	29.6	0.1			G1/100
BL (0°-30°)	1932.7	8.8	B3/2500		
BM (30°-60°)	7999.1	36.6	B4/8500		
BH (60°-80°)	969.5	4.4	B2/1000		G1/1800
BVH (80°-90°)	29.6	0.1			G1/100
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: P636202

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0	3933.0
2.5°	3924.4	3924.4	3931.3	3939.9	3941.7	3959.0	3955.5	3948.6	3945.1	3938.2	3953.8
5°	3967.6	3969.3	3974.5	3979.7	3976.3	3990.1	3984.9	3976.3	3971.1	3962.4	3978.0
7.5°	4024.7	4024.7	4029.8	4036.8	4033.3	4054.0	4043.7	4031.6	4022.9	4012.6	4026.4
10°	4076.5	4080.0	4085.2	4099.0	4105.9	4128.4	4121.5	4104.2	4090.4	4078.3	4093.8
12.5°	4154.3	4157.8	4163.0	4182.0	4194.1	4216.6	4206.2	4182.0	4161.2	4143.9	4161.2
15°	4254.6	4251.1	4265.0	4289.2	4304.7	4325.5	4313.4	4271.9	4244.2	4221.7	4239.0
17.5°	4356.6	4354.9	4368.7	4399.8	4422.3	4449.9	4429.2	4380.8	4351.4	4323.7	4341.0
20°	4467.2	4472.4	4486.3	4515.6	4548.5	4584.8	4567.5	4515.6	4482.8	4451.7	4465.5
22.5°	4603.8	4605.5	4621.1	4659.1	4702.4	4736.9	4726.6	4662.6	4621.1	4588.2	4605.5
25°	4768.0	4766.3	4787.1	4832.0	4892.5	4927.1	4904.6	4833.7	4788.8	4750.8	4764.6
27.5°	4956.5	4954.8	4985.9	5044.7	5131.1	5179.5	5132.8	5044.7	4982.4	4928.8	4940.9
30°	5193.3	5188.1	5222.7	5302.2	5414.6	5495.9	5426.7	5304.0	5222.7	5165.7	5177.8
32.5°	5456.1	5463.0	5506.2	5613.4	5755.2	5860.7	5756.9	5620.3	5511.4	5428.4	5442.3
35°	5744.8	5744.8	5833.0	5966.1	6168.4	6308.4	6147.6	5950.5	5805.3	5691.2	5694.7
37.5°	6066.4	6069.8	6185.7	6368.9	6633.4	6797.7	6579.8	6336.1	6159.7	6037.0	6030.1
40°	6458.8	6469.2	6588.5	6792.5	7089.8	7240.2	7006.8	6768.3	6588.5	6443.3	6429.4
42.5°	6901.4	6904.8	7031.1	7214.3	7465.0	7554.9	7371.6	7176.3	7029.3	6897.9	6884.1
45°	7323.2	7314.6	7423.5	7560.1	7705.3	7713.9	7611.9	7532.4	7404.5	7292.1	7271.4
47.5°	7651.7	7644.8	7743.3	7817.7	7834.9	7750.2	7783.1	7795.2	7646.5	7494.4	7454.6
50°	7852.2	7866.1	7959.4	8000.9	7898.9	7760.6	7885.1	7854.0	7641.3	7442.5	7378.5
52.5°	7973.3	7994.0	8156.5	8262.0	8156.5	8025.1	8042.4	7859.1	7553.2	7290.4	7207.4
55°	7667.3	7750.2	8101.2	8568.0	8740.8	8649.2	8320.7	7848.8	7281.7	6899.7	6828.8
57.5°	5682.6	5814.0	6334.3	7345.7	8396.8	8730.5	7771.0	6579.8	5720.6	5229.6	5188.1
60°	2900.9	3047.9	3464.5	4503.5	5855.5	6325.7	5412.9	4213.1	3348.7	2951.1	2906.1
62.5°	1184.2	1208.4	1345.0	1746.1	2588.0	2985.6	2622.6	1841.2	1383.0	1274.1	1275.9
65°	931.8	937.0	930.1	954.3	1084.0	1203.2	1111.6	976.8	952.6	964.7	956.0
67.5°	812.5	814.3	809.1	809.1	814.3	809.1	819.5	824.6	828.1	841.9	833.3
70°	679.4	681.1	681.1	684.6	682.9	674.2	689.8	696.7	698.4	707.1	701.9
72.5°	525.6	530.7	534.2	535.9	534.2	529.0	537.7	549.8	548.0	556.7	548.0
75°	356.1	363.0	366.5	373.4	371.7	371.7	382.1	387.3	382.1	389.0	382.1
77.5°	202.3	207.5	217.8	224.7	231.7	236.8	243.8	247.2	245.5	248.9	245.5
80°	117.6	119.3	127.9	131.4	140.0	148.7	155.6	159.1	160.8	162.5	160.8
82.5°	67.4	69.2	72.6	76.1	83.0	89.9	96.8	102.0	102.0	103.7	102.0
85°	32.8	32.8	34.6	36.3	39.8	44.9	50.1	55.3	57.1	57.1	57.1
87.5°	5.2	5.2	6.9	6.9	8.6	10.4	13.8	17.3	19.0	19.0	19.0
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)