

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: P636199

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 21115.2 lumens
Efficiency: N/A
Efficacy: 115.3 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

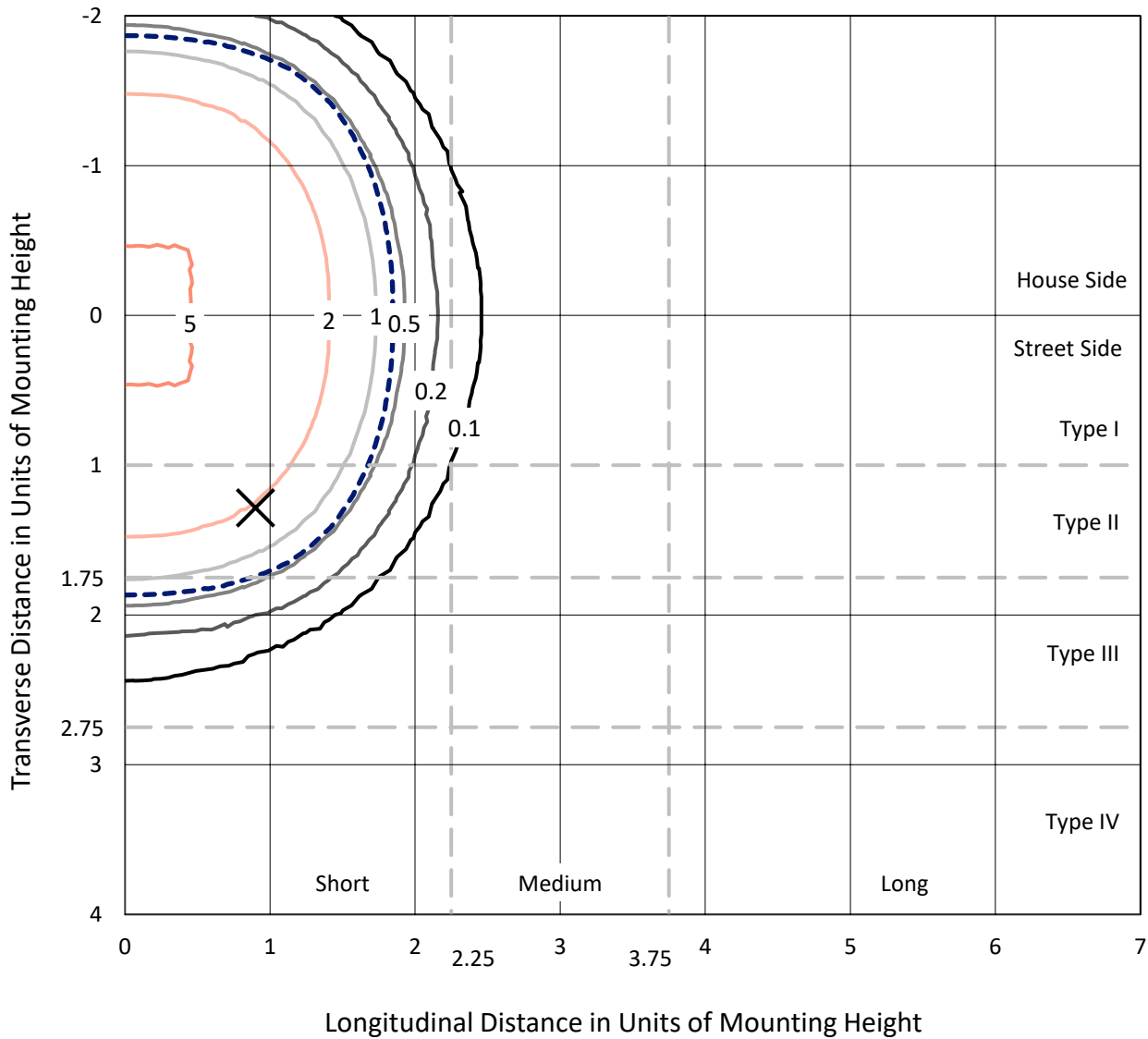
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

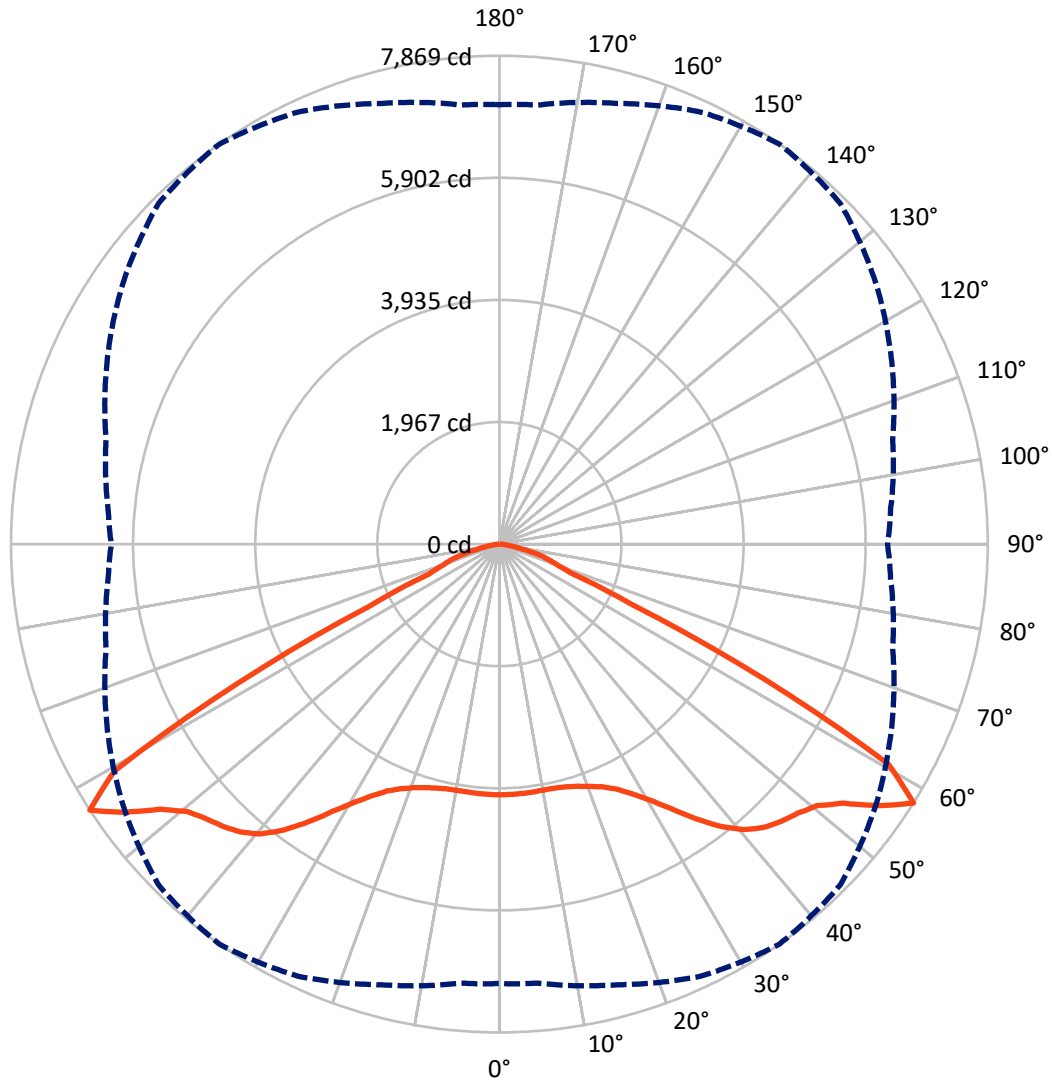
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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
House Side	Lumens	10557.6	0.0	10557.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10557.6	0.0	10557.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	21115.2	0.0	21115.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	1.8
10°-20°	1146.7	5.4
20°-30°	2000.8	9.5
30°-40°	3280.9	15.5
40°-50°	4832.0	22.9
50°-60°	6166.4	29.2
60°-70°	2598.8	12.3
70°-80°	620.8	2.9
80°-90°	84.5	0.4
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°	21115.2	100.0
0°-180°	21115.2	100.0

Coefficient of Utilization



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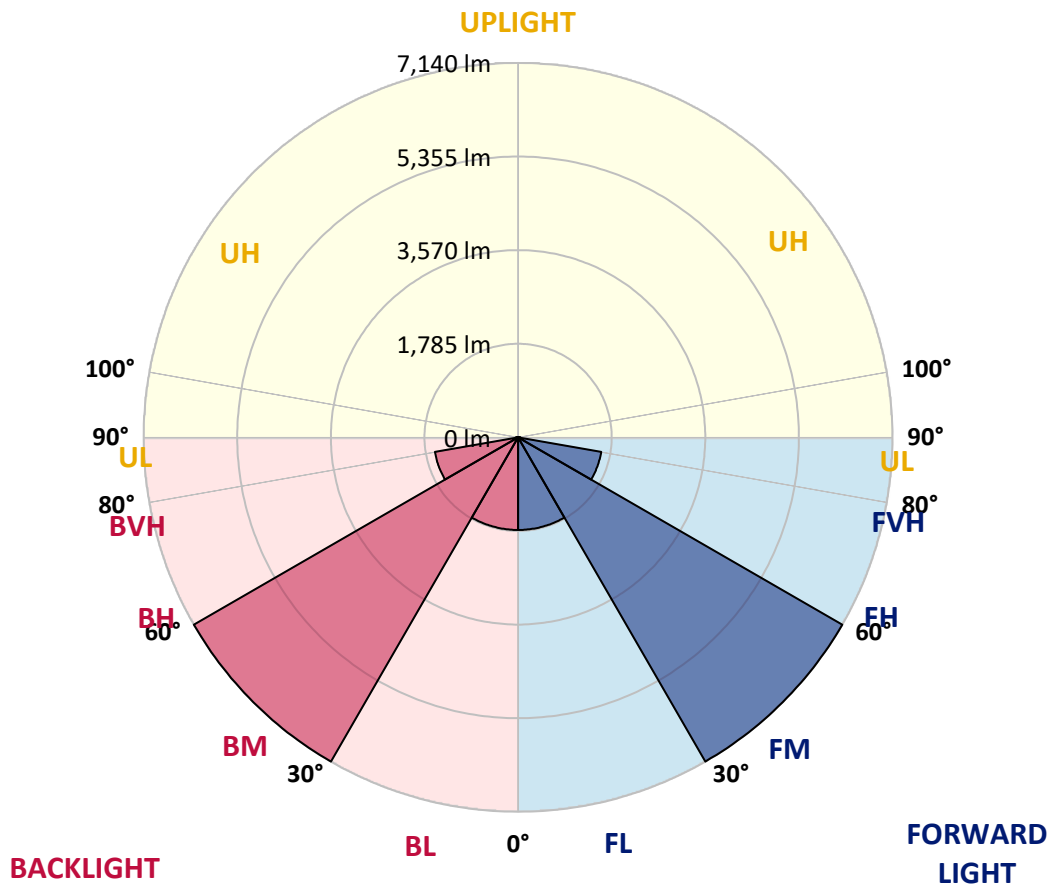
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.9	8.4			
FM (30°-60°)	7139.6	33.8			
FH (60°-80°)	1609.8	7.6			G1/1800
FVH (80°-90°)	42.2	0.2			G1/100
BL (0°-30°)	1765.9	8.4	B3/2500		
BM (30°-60°)	7139.6	33.8	B4/8500		
BH (60°-80°)	1609.8	7.6	B3/2500		G1/1800
BVH (80°-90°)	42.2	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2
2.5°	4015.9	4015.9	4024.6	4033.2	4036.7	4052.3	4050.5	4045.3	4041.9	4031.5	4045.3
5°	4024.6	4024.6	4031.5	4036.7	4035.0	4047.1	4041.9	4033.2	4028.1	4017.7	4033.2
7.5°	4022.9	4022.9	4028.1	4033.2	4029.8	4040.2	4031.5	4019.4	4010.8	4000.4	4014.2
10°	4000.4	4003.8	4009.0	4021.1	4026.3	4041.9	4029.8	4010.8	3996.9	3984.8	3998.7
12.5°	3996.9	4000.4	4007.3	4022.9	4031.5	4054.0	4038.4	4007.3	3986.6	3971.0	3984.8
15°	4012.5	4015.9	4026.3	4045.3	4059.2	4083.4	4060.9	4017.7	3988.3	3967.5	3979.6
17.5°	4031.5	4036.7	4052.3	4079.9	4102.4	4128.3	4100.7	4048.8	4007.3	3979.6	3990.0
20°	4052.3	4059.2	4083.4	4124.9	4166.4	4199.2	4164.6	4095.5	4045.3	4009.0	4019.4
22.5°	4088.6	4097.2	4128.3	4187.1	4249.3	4297.7	4254.5	4161.2	4095.5	4048.8	4057.4
25°	4162.9	4173.3	4213.0	4283.9	4372.1	4430.9	4370.3	4264.9	4173.3	4116.2	4124.9
27.5°	4294.3	4299.5	4351.3	4444.7	4553.6	4621.0	4548.4	4423.9	4321.9	4256.2	4263.2
30°	4467.2	4482.7	4534.6	4657.3	4787.0	4876.9	4781.8	4634.9	4517.3	4437.8	4444.7
32.5°	4678.1	4688.4	4766.2	4894.2	5080.9	5184.6	5054.9	4880.3	4738.6	4641.8	4648.7
35°	4954.7	4963.3	5037.7	5200.2	5426.6	5523.4	5374.8	5174.2	5010.0	4918.4	4944.3
37.5°	5284.9	5300.4	5354.0	5514.8	5767.2	5862.3	5691.1	5504.4	5333.3	5248.6	5267.6
40°	5639.3	5637.5	5680.8	5822.5	6052.4	6111.2	5957.4	5808.7	5661.7	5606.4	5637.5
42.5°	5943.5	5934.9	5966.0	6083.6	6242.6	6247.8	6145.8	6062.8	5959.1	5921.1	5950.5
45°	6156.2	6159.6	6206.3	6287.6	6368.8	6325.6	6294.5	6280.6	6199.4	6147.5	6152.7
47.5°	6323.9	6337.7	6412.0	6467.4	6477.7	6405.1	6448.3	6469.1	6401.7	6322.1	6299.7
50°	6472.5	6495.0	6591.8	6650.6	6628.1	6536.5	6621.2	6652.3	6503.7	6351.5	6306.6
52.5°	6742.2	6768.2	6885.7	6961.8	6935.9	6844.2	6923.8	6813.1	6562.4	6375.7	6318.7
55°	7172.7	7184.8	7328.3	7452.8	7440.7	7328.3	7264.3	7018.8	6714.6	6520.9	6467.4
57.5°	7081.1	7101.8	7350.8	7682.7	7869.4	7767.4	7392.3	6973.9	6560.7	6327.3	6254.7
60°	5571.8	5622.0	5931.4	6515.8	7200.4	7198.6	6501.9	5851.9	5354.0	5044.6	5013.5
62.5°	3253.6	3288.1	3569.9	4161.2	4774.9	4812.9	4323.7	3877.6	3442.0	3232.8	3132.5
65°	1540.3	1538.6	1651.0	1917.2	2332.1	2365.0	2218.0	1974.3	1716.7	1645.8	1626.8
67.5°	1137.5	1137.5	1128.9	1147.9	1227.4	1244.7	1227.4	1187.7	1163.5	1179.0	1168.7
70°	987.1	988.9	978.5	973.3	973.3	968.1	975.0	990.6	1001.0	1021.7	1011.3
72.5°	800.4	802.2	802.2	803.9	805.6	798.7	809.1	817.7	819.4	826.4	819.4
75°	568.8	572.2	582.6	591.2	598.2	598.2	601.6	603.3	596.4	605.1	591.2
77.5°	312.9	316.4	335.4	350.9	366.5	368.2	373.4	376.9	373.4	380.3	370.0
80°	172.9	176.3	185.0	191.9	204.0	214.4	221.3	224.7	224.7	229.9	224.7
82.5°	98.5	102.0	107.2	110.6	121.0	129.7	136.6	141.8	141.8	143.5	140.0
85°	46.7	46.7	50.1	53.6	58.8	62.2	70.9	76.1	76.1	79.5	76.1
87.5°	6.9	8.6	10.4	10.4	13.8	17.3	20.7	22.5	25.9	27.7	27.7
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)