

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: P636312

Luminaire Tested: GWS-SA3F-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636312
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22673.8 lumens
Efficiency: N/A
Efficacy: 123.8 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

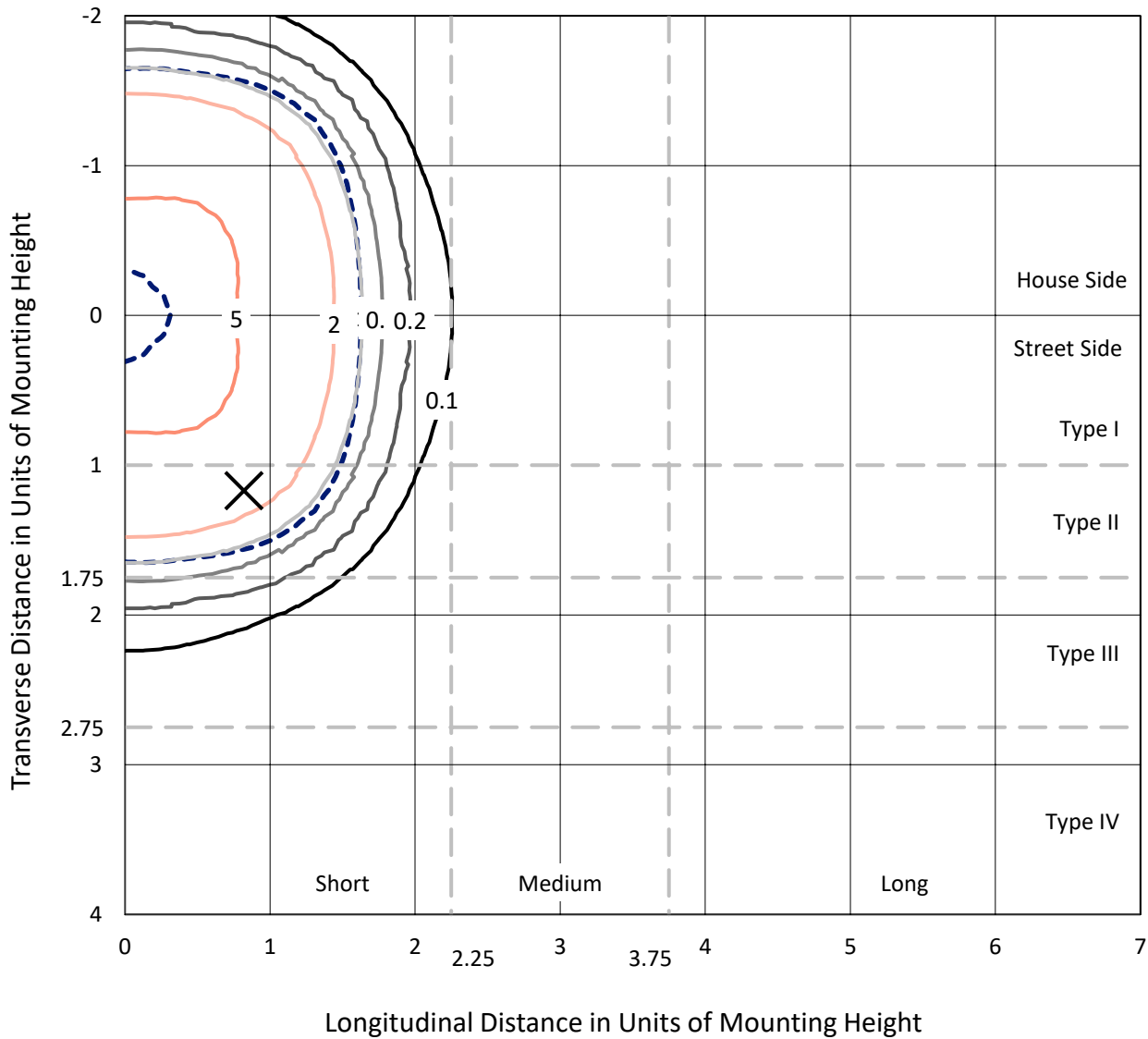


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Iso-Footcandle Lines of Horizontal Illumination

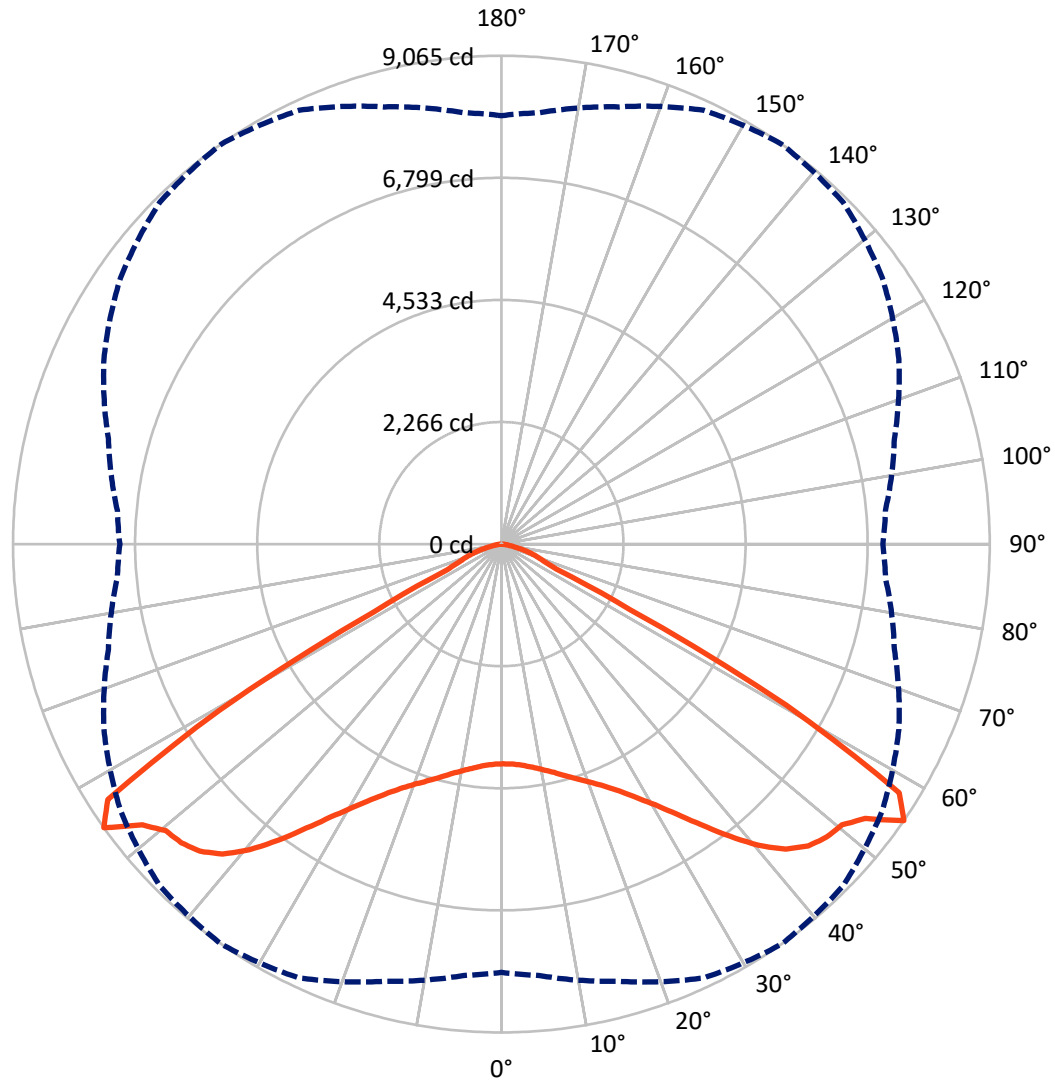
✕ Max cd
 - - - 1/2 Max cd



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 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11336.9	0.0	11336.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11336.9	0.0	11336.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22673.8	0.0	22673.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.9	1.8
10°-20°	1266.7	5.6
20°-30°	2344.4	10.3
30°-40°	3921.7	17.3
40°-50°	5976.1	26.4
50°-60°	6694.5	29.5
60°-70°	1584.0	7.0
70°-80°	427.0	1.9
80°-90°	61.5	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°	22673.8	100.0
0°-180°	22673.8	100.0

Coefficient of Utilization



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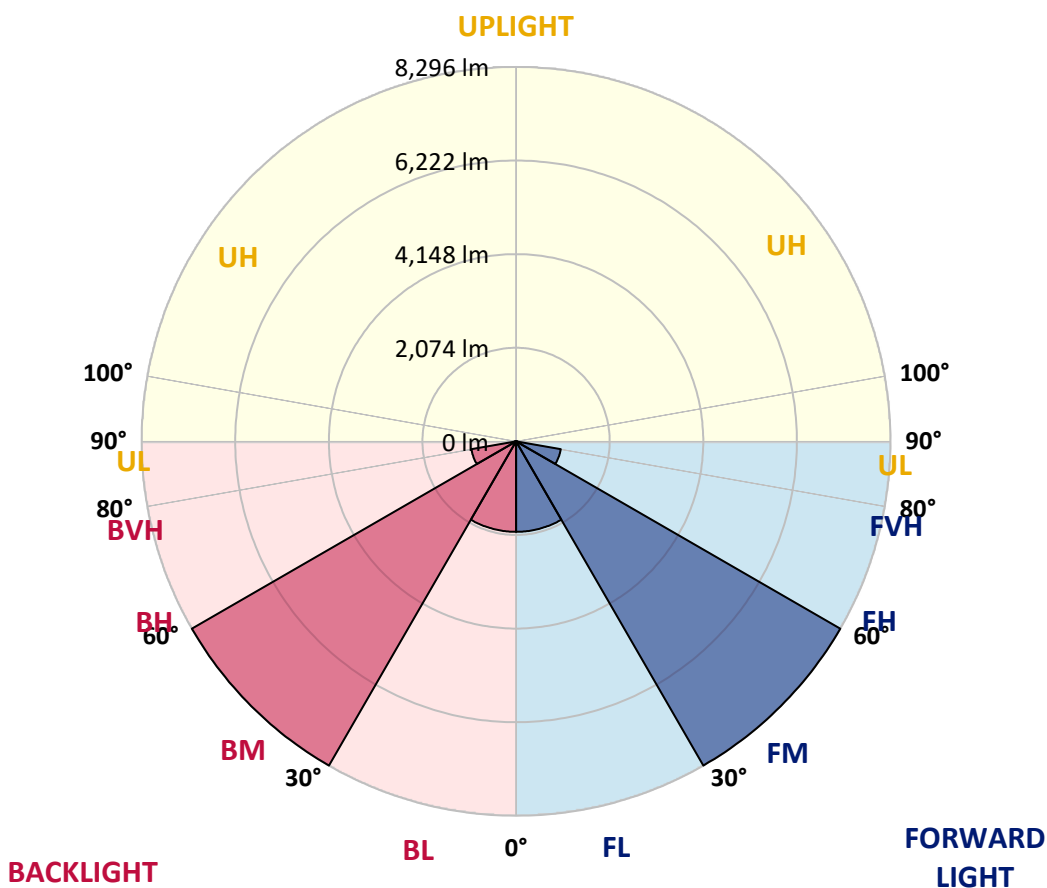
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2004.5	8.8			
FM (30°-60°)	8296.2	36.6			
FH (60°-80°)	1005.5	4.4			G1/1800
FVH (80°-90°)	30.7	0.1			G1/100
BL (0°-30°)	2004.5	8.8	B3/2500		
BM (30°-60°)	8296.2	36.6	B4/8500		
BH (60°-80°)	1005.5	4.4	B3/2500		G1/1800
BVH (80°-90°)	30.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1	4079.1
2.5°	4070.1	4070.1	4077.3	4086.2	4088.0	4106.0	4102.4	4095.2	4091.6	4084.5	4100.6
5°	4114.9	4116.7	4122.1	4127.5	4123.9	4138.2	4132.9	4123.9	4118.5	4109.6	4125.7
7.5°	4174.1	4174.1	4179.5	4186.7	4183.1	4204.6	4193.8	4181.3	4172.3	4161.6	4175.9
10°	4227.9	4231.5	4236.9	4251.2	4258.4	4281.7	4274.5	4256.6	4242.2	4229.7	4245.8
12.5°	4308.6	4312.2	4317.5	4337.3	4349.8	4373.1	4362.4	4337.3	4315.8	4297.8	4315.8
15°	4412.6	4409.0	4423.3	4448.4	4464.6	4486.1	4473.5	4430.5	4401.8	4378.5	4396.4
17.5°	4518.4	4516.6	4530.9	4563.2	4586.5	4615.2	4593.7	4543.5	4513.0	4484.3	4502.2
20°	4633.1	4638.5	4652.8	4683.3	4717.4	4755.0	4737.1	4683.3	4649.3	4617.0	4631.3
22.5°	4774.8	4776.6	4792.7	4832.1	4877.0	4912.8	4902.1	4835.7	4792.7	4758.6	4776.6
25°	4945.1	4943.3	4964.8	5011.4	5074.2	5110.1	5086.7	5013.2	4966.6	4927.2	4941.5
27.5°	5140.5	5138.7	5171.0	5232.0	5321.6	5371.8	5323.4	5232.0	5167.4	5111.8	5124.4
30°	5386.2	5380.8	5416.7	5499.1	5615.7	5700.0	5628.2	5500.9	5416.7	5357.5	5370.0
32.5°	5658.7	5665.9	5710.7	5821.9	5968.9	6078.3	5970.7	5829.0	5716.1	5630.0	5644.4
35°	5958.1	5958.1	6049.6	6187.6	6397.4	6542.7	6375.9	6171.5	6020.9	5902.6	5906.1
37.5°	6291.6	6295.2	6415.4	6605.4	6879.7	7050.1	6824.2	6571.3	6388.5	6261.2	6254.0
40°	6698.7	6709.4	6833.1	7044.7	7353.1	7509.1	7267.0	7019.6	6833.1	6682.5	6668.2
42.5°	7157.7	7161.2	7292.1	7482.2	7742.2	7835.4	7645.4	7442.7	7290.3	7154.1	7139.7
45°	7595.2	7586.2	7699.1	7840.8	7991.4	8000.4	7894.6	7812.1	7679.4	7562.9	7541.4
47.5°	7935.8	7928.7	8030.9	8108.0	8125.9	8038.0	8072.1	8084.6	7930.4	7772.7	7731.4
50°	8143.8	8158.2	8255.0	8298.0	8192.2	8048.8	8177.9	8145.6	7925.1	7718.9	7652.5
52.5°	8269.3	8290.8	8459.4	8568.8	8459.4	8323.1	8341.0	8151.0	7833.6	7561.1	7475.0
55°	7952.0	8038.0	8402.0	8886.1	9065.4	8970.4	8629.7	8140.2	7552.1	7155.9	7082.4
57.5°	5893.6	6029.9	6569.6	7618.5	8708.6	9054.7	8059.5	6824.2	5933.0	5423.8	5380.8
60°	3008.7	3161.1	3593.2	4670.8	6072.9	6560.6	5613.9	4369.5	3473.0	3060.7	3014.0
62.5°	1228.2	1253.3	1395.0	1810.9	2684.1	3096.5	2720.0	1909.5	1434.4	1321.4	1323.2
65°	966.4	971.8	964.6	989.7	1124.2	1247.9	1152.9	1013.0	987.9	1000.5	991.5
67.5°	842.7	844.5	839.1	839.1	844.5	839.1	849.9	855.3	858.8	873.2	864.2
70°	704.6	706.4	706.4	710.0	708.2	699.3	715.4	722.6	724.4	733.3	728.0
72.5°	545.1	550.5	554.0	555.8	554.0	548.7	557.6	570.2	568.4	577.3	568.4
75°	369.4	376.5	380.1	387.3	385.5	385.5	396.3	401.6	396.3	403.4	396.3
77.5°	209.8	215.2	225.9	233.1	240.3	245.6	252.8	256.4	254.6	258.2	254.6
80°	121.9	123.7	132.7	136.3	145.2	154.2	161.4	165.0	166.7	168.5	166.7
82.5°	69.9	71.7	75.3	78.9	86.1	93.2	100.4	105.8	105.8	107.6	105.8
85°	34.1	34.1	35.9	37.7	41.2	46.6	52.0	57.4	59.2	59.2	59.2
87.5°	5.4	5.4	7.2	7.2	9.0	10.8	14.3	17.9	19.7	19.7	19.7
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)