

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: P636315

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 21122.9 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 - G2

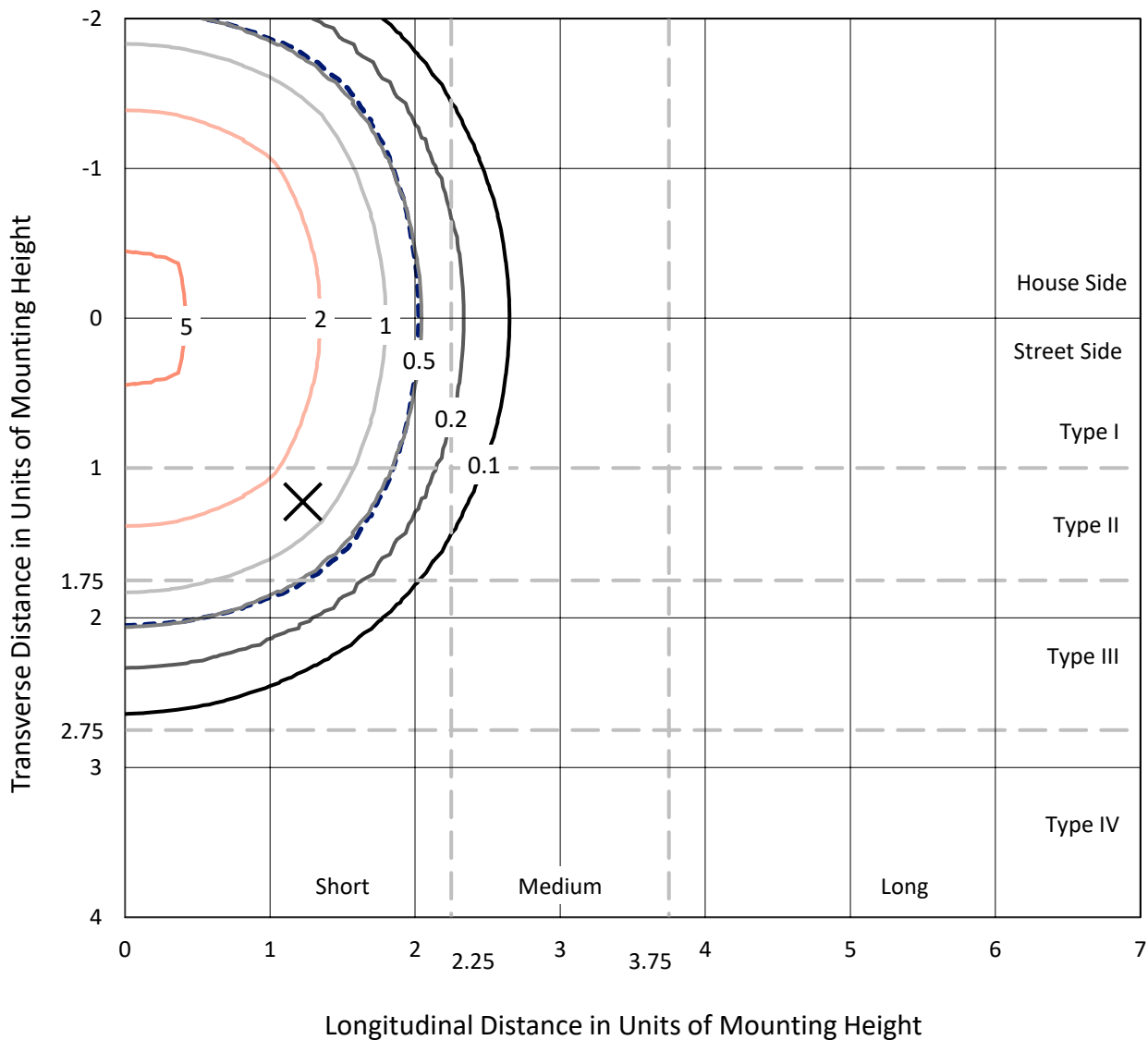
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

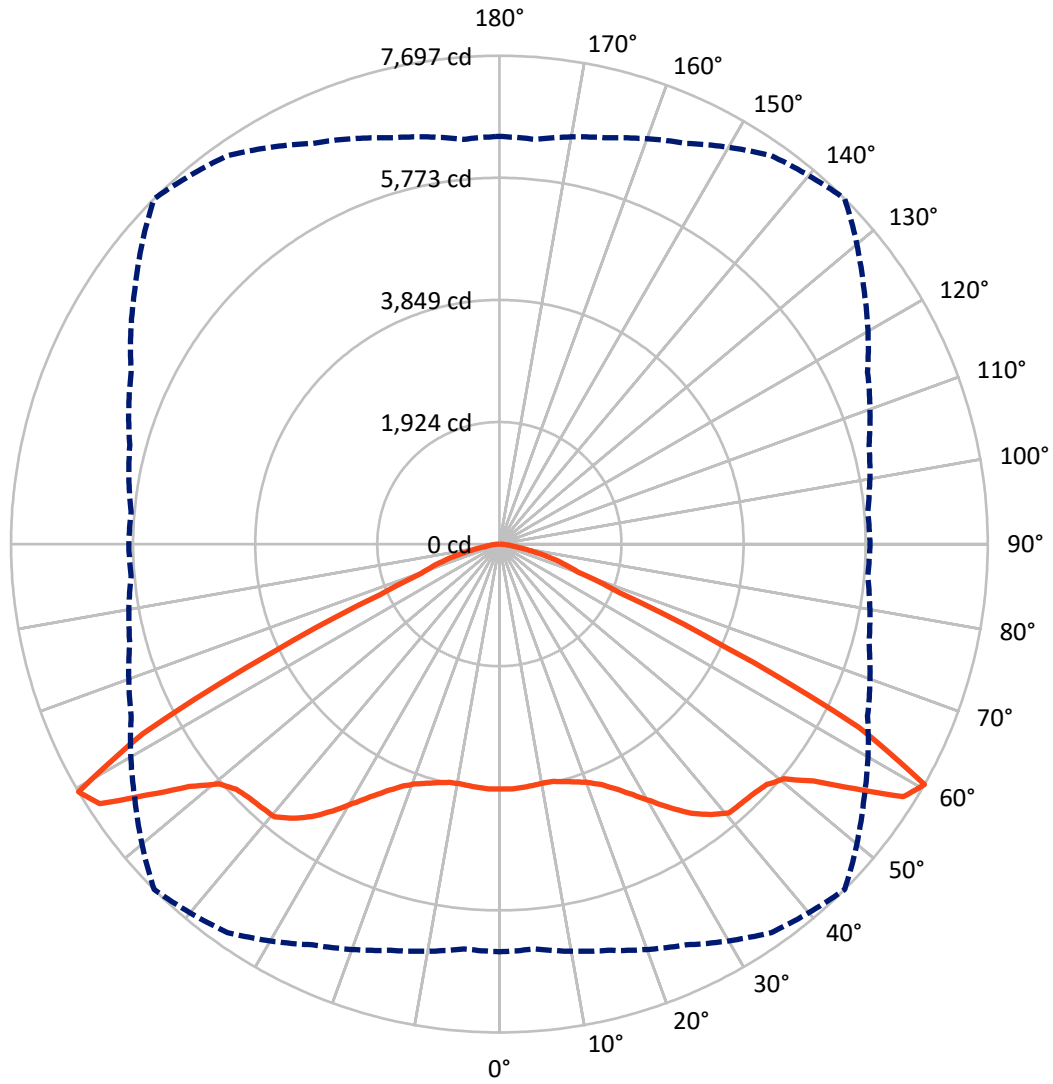
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10561.4	0.0	10561.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10561.4	0.0	10561.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21122.9	0.0	21122.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.1	1.7
10°-20°	1101.1	5.2
20°-30°	1948.1	9.2
30°-40°	3136.4	14.8
40°-50°	4311.0	20.4
50°-60°	5744.8	27.2
60°-70°	3580.4	17.0
70°-80°	823.3	3.9
80°-90°	111.7	0.5
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°	21122.9	100.0
0°-180°	21122.9	100.0

Coefficient of Utilization



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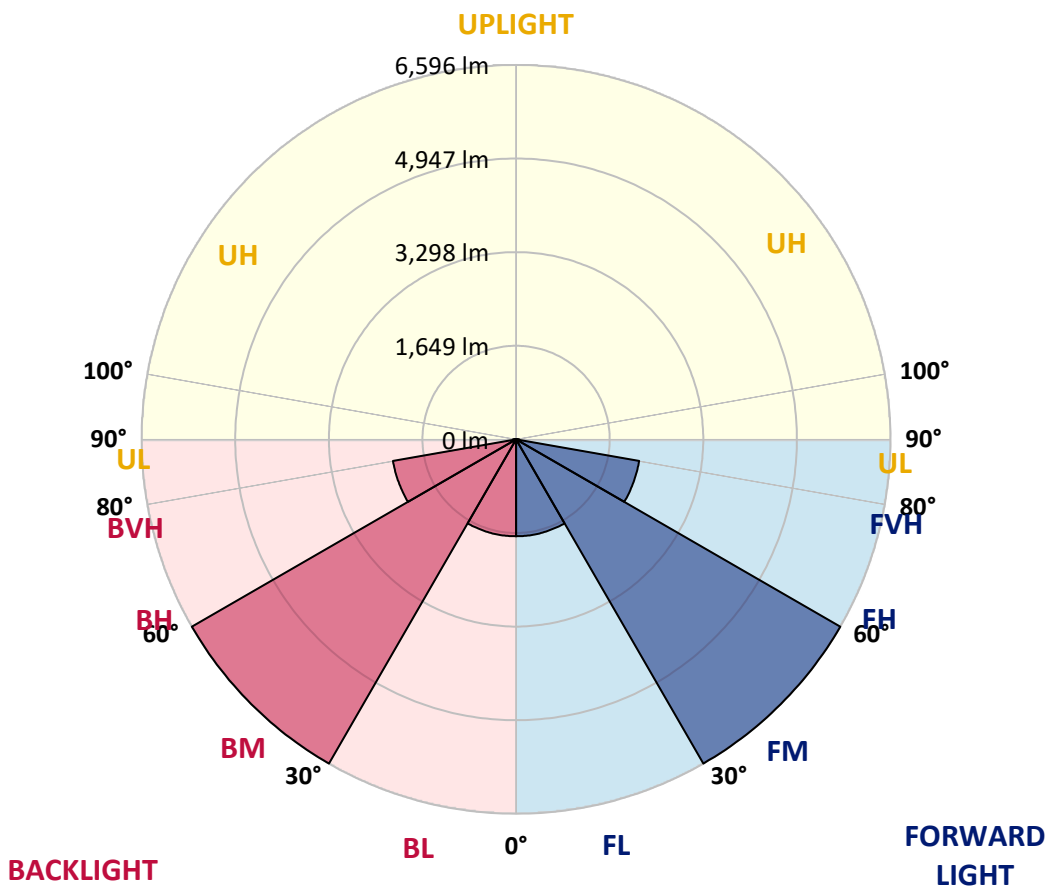
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1707.6	8.1			
FM (30°-60°)	6596.1	31.2			
FH (60°-80°)	2201.9	10.4			G2/5000
FVH (80°-90°)	55.8	0.3			G1/100
BL (0°-30°)	1707.6	8.1	B3/2500		
BM (30°-60°)	6596.1	31.2	B4/8500		
BH (60°-80°)	2201.9	10.4	B3/2500		G2/5000
BVH (80°-90°)	55.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2	3860.2
2.5°	3833.3	3836.9	3844.0	3849.4	3856.6	3863.8	3867.4	3860.2	3856.6	3842.3	3858.4
5°	3836.9	3840.5	3845.8	3845.8	3847.6	3853.0	3853.0	3844.0	3835.1	3818.9	3836.9
7.5°	3831.5	3835.1	3836.9	3835.1	3836.9	3838.7	3835.1	3824.3	3815.4	3801.0	3815.4
10°	3822.5	3826.1	3829.7	3826.1	3822.5	3827.9	3827.9	3820.7	3815.4	3801.0	3817.1
12.5°	3842.3	3847.6	3849.4	3840.5	3836.9	3838.7	3838.7	3831.5	3831.5	3818.9	3836.9
15°	3888.9	3892.5	3887.1	3876.3	3878.1	3883.5	3870.9	3853.0	3849.4	3844.0	3858.4
17.5°	3924.7	3928.3	3922.9	3915.8	3928.3	3940.9	3917.6	3883.5	3872.7	3869.1	3885.3
20°	3964.2	3969.5	3962.4	3971.3	3996.4	4010.8	3982.1	3935.5	3914.0	3908.6	3928.3
22.5°	4028.7	4035.9	4035.9	4055.6	4093.3	4116.6	4080.7	4018.0	3985.7	3976.7	3996.4
25°	4130.9	4136.3	4141.7	4181.1	4242.1	4274.3	4217.0	4130.9	4086.1	4071.7	4082.5
27.5°	4272.6	4281.5	4290.5	4347.9	4423.2	4469.8	4387.3	4279.7	4224.1	4195.5	4217.0
30°	4441.1	4453.6	4475.2	4539.7	4645.5	4697.5	4591.7	4460.8	4398.1	4367.6	4396.3
32.5°	4670.6	4672.4	4688.5	4760.2	4900.1	4959.2	4826.6	4681.3	4616.8	4580.9	4597.1
35°	4943.1	4944.9	4919.8	4993.3	5143.9	5210.3	5054.3	4907.3	4853.5	4842.7	4883.9
37.5°	5222.8	5206.7	5181.6	5213.8	5366.2	5409.3	5244.3	5118.8	5095.5	5115.2	5176.2
40°	5421.8	5394.9	5344.7	5368.0	5522.2	5572.4	5396.7	5278.4	5271.2	5319.6	5393.1
42.5°	5550.9	5522.2	5463.1	5463.1	5568.8	5590.4	5454.1	5391.3	5407.5	5463.1	5533.0
45°	5613.7	5597.5	5563.5	5545.5	5604.7	5613.7	5509.7	5484.6	5515.1	5541.9	5595.7
47.5°	5662.1	5662.1	5651.3	5633.4	5660.3	5665.7	5588.6	5581.4	5620.8	5620.8	5656.7
50°	5748.1	5757.1	5771.4	5767.9	5796.5	5814.5	5757.1	5746.3	5762.5	5710.5	5728.4
52.5°	5974.0	5997.4	6038.6	6070.9	6144.4	6200.0	6097.8	6011.7	5927.4	5812.7	5816.3
55°	6379.2	6390.0	6470.7	6565.7	6689.4	6802.4	6592.6	6325.5	6142.6	6008.1	6009.9
57.5°	6721.7	6737.8	6856.2	7055.2	7333.1	7508.8	7044.4	6598.0	6339.8	6174.9	6180.2
60°	6425.9	6404.3	6628.5	6969.1	7472.9	7697.1	7012.2	6402.6	6031.4	5827.0	5841.4
62.5°	4971.8	4930.6	5179.8	5536.6	6140.8	6364.9	5733.8	5149.3	4797.9	4638.3	4615.0
65°	3026.5	2988.8	3168.1	3386.8	3795.6	3937.3	3648.6	3338.4	3031.8	2935.0	2908.1
67.5°	1647.7	1642.3	1690.7	1798.3	1977.6	2043.9	1988.4	1841.3	1762.5	1694.3	1694.3
70°	1307.0	1296.3	1287.3	1289.1	1305.3	1314.2	1316.0	1308.8	1317.8	1319.6	1312.4
72.5°	1082.9	1079.3	1061.4	1063.2	1056.0	1052.5	1065.0	1072.2	1086.5	1088.3	1088.3
75°	785.3	776.3	785.3	787.1	779.9	779.9	788.9	787.1	794.3	797.9	778.1
77.5°	446.4	446.4	459.0	473.3	484.1	484.1	493.1	493.1	502.0	500.2	496.6
80°	245.6	245.6	252.8	261.8	272.5	283.3	292.2	294.0	299.4	297.6	292.2
82.5°	139.8	141.6	145.2	150.6	161.4	170.3	179.3	181.1	186.5	186.5	181.1
85°	66.3	64.5	66.3	69.9	75.3	82.5	91.4	96.8	100.4	100.4	96.8
87.5°	12.6	14.3	12.6	14.3	16.1	21.5	25.1	28.7	34.1	35.9	32.3
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)