

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: P636257

Luminaire Tested: GWS-SA3F-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636257
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22165.8 lumens
Efficiency: N/A
Efficacy: 121.0 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

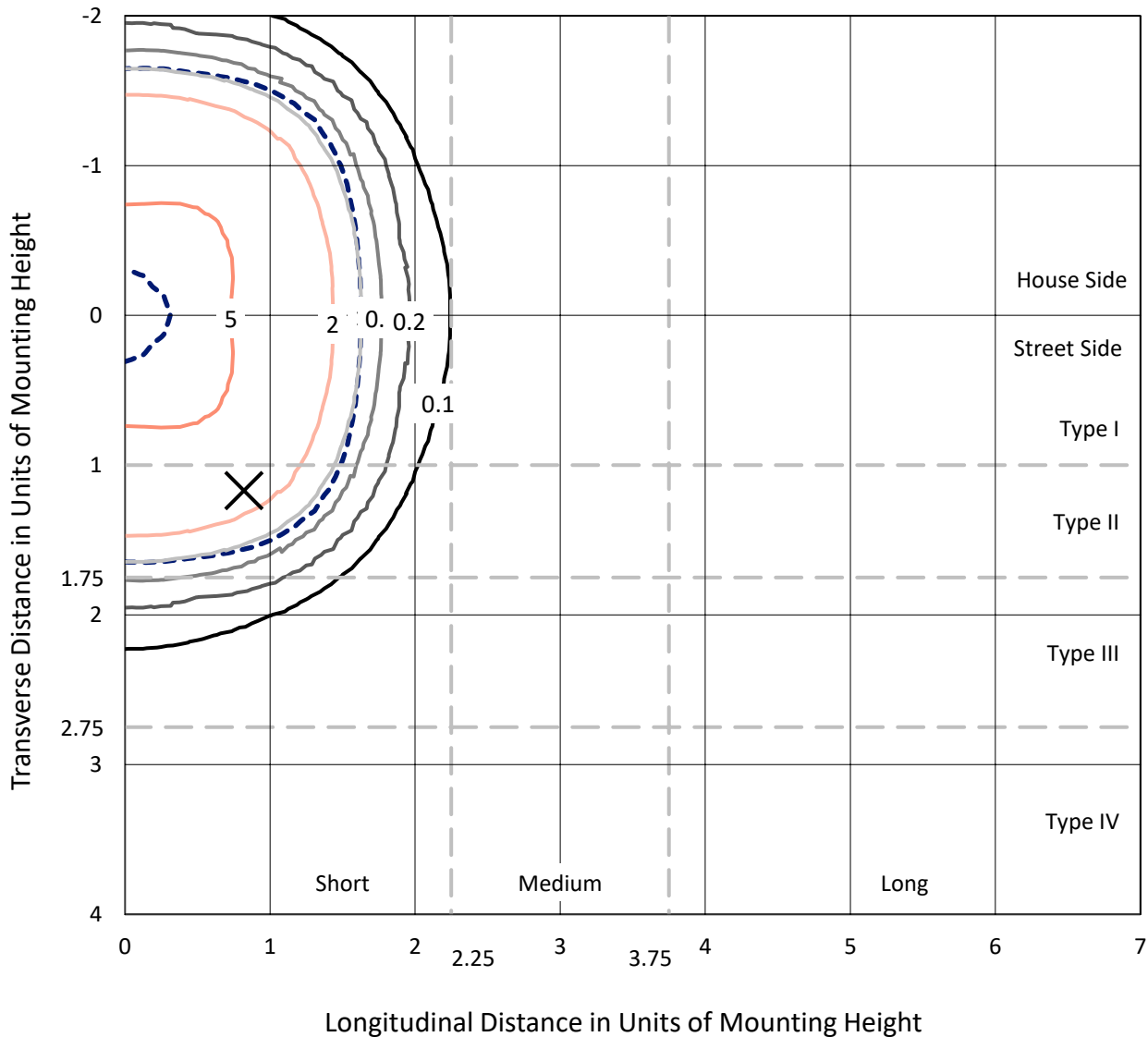


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Iso-Footcandle Lines of Horizontal Illumination

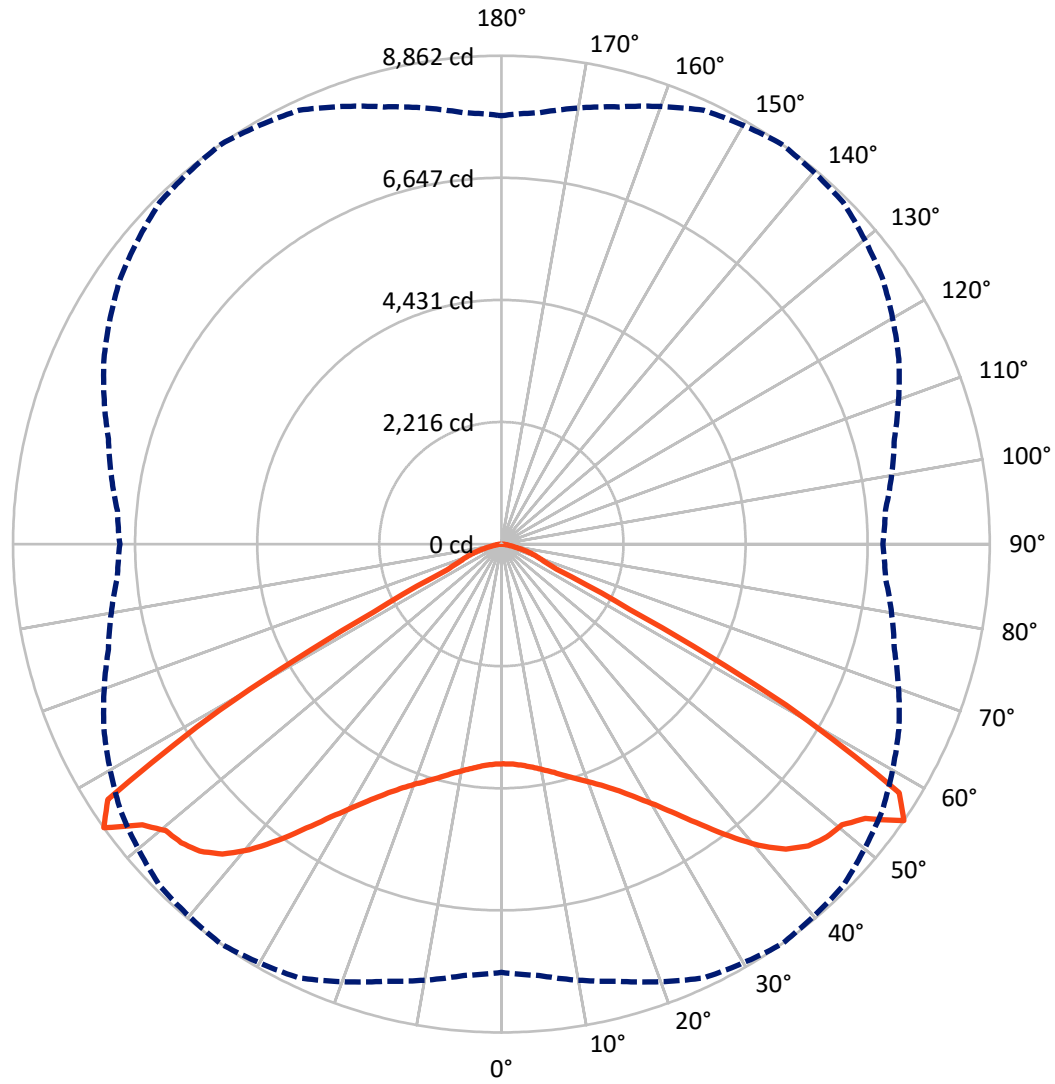
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	11082.9	0.0	11082.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11082.9	0.0	11082.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22165.8	0.0	22165.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.9	1.8
10°-20°	1238.3	5.6
20°-30°	2291.9	10.3
30°-40°	3833.9	17.3
40°-50°	5842.2	26.4
50°-60°	6544.5	29.5
60°-70°	1548.5	7.0
70°-80°	417.5	1.9
80°-90°	60.1	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°	22165.8	100.0
0°-180°	22165.8	100.0

Coefficient of Utilization



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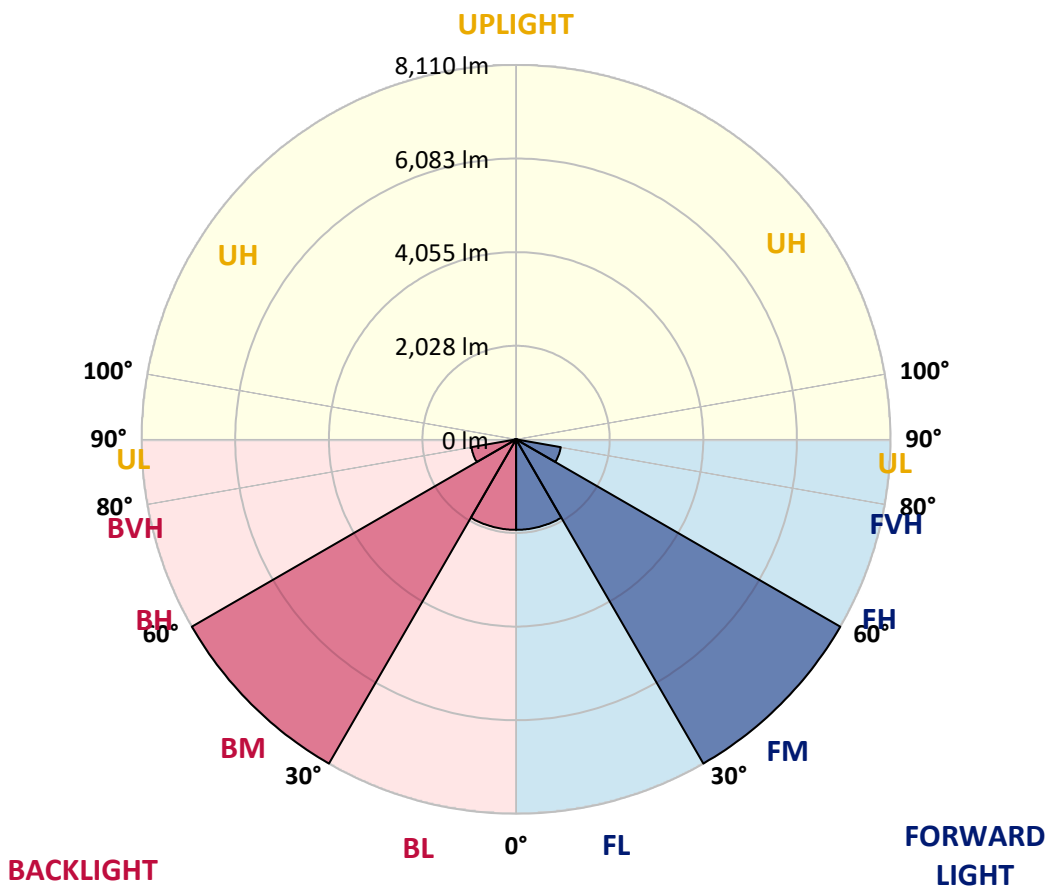
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.6	8.8			
FM (30°-60°)	8110.3	36.6			
FH (60°-80°)	983.0	4.4			G1/1800
FVH (80°-90°)	30.0	0.1			G1/100
BL (0°-30°)	1959.6	8.8	B3/2500		
BM (30°-60°)	8110.3	36.6	B4/8500		
BH (60°-80°)	983.0	4.4	B2/1000		G1/1800
BVH (80°-90°)	30.0	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°	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7	3987.7
2.5°	3978.9	3978.9	3985.9	3994.7	3996.5	4014.0	4010.5	4003.5	4000.0	3992.9	4008.7
5°	4022.7	4024.5	4029.8	4035.0	4031.5	4045.5	4040.3	4031.5	4026.2	4017.5	4033.3
7.5°	4080.6	4080.6	4085.8	4092.9	4089.4	4110.4	4099.9	4087.6	4078.8	4068.3	4082.3
10°	4133.2	4136.7	4141.9	4156.0	4163.0	4185.8	4178.7	4161.2	4147.2	4134.9	4150.7
12.5°	4212.0	4215.6	4220.8	4240.1	4252.4	4275.2	4264.6	4240.1	4219.1	4201.5	4219.1
15°	4313.7	4310.2	4324.2	4348.8	4364.5	4385.6	4373.3	4331.2	4303.2	4280.4	4297.9
17.5°	4417.1	4415.4	4429.4	4461.0	4483.7	4511.8	4490.7	4441.7	4411.9	4383.8	4401.4
20°	4529.3	4534.6	4548.6	4578.4	4611.7	4648.5	4631.0	4578.4	4545.1	4513.5	4527.6
22.5°	4667.8	4669.5	4685.3	4723.9	4767.7	4802.8	4792.2	4727.4	4685.3	4652.0	4669.5
25°	4834.3	4832.6	4853.6	4899.2	4960.5	4995.6	4972.8	4900.9	4855.3	4816.8	4830.8
27.5°	5025.4	5023.6	5055.2	5114.8	5202.4	5251.5	5204.2	5114.8	5051.7	4997.3	5009.6
30°	5265.5	5260.2	5295.3	5375.9	5489.9	5572.2	5502.1	5377.7	5295.3	5237.5	5249.7
32.5°	5531.9	5538.9	5582.8	5691.4	5835.2	5942.1	5836.9	5698.4	5588.0	5503.9	5517.9
35°	5824.7	5824.7	5914.0	6049.0	6254.1	6396.1	6233.1	6033.2	5886.0	5770.3	5773.8
37.5°	6150.7	6154.2	6271.6	6457.4	6725.6	6892.1	6671.3	6424.1	6245.3	6120.9	6113.9
40°	6548.6	6559.1	6680.0	6886.9	7188.4	7340.8	7104.2	6862.3	6680.0	6532.8	6518.8
42.5°	6997.3	7000.8	7128.8	7314.6	7568.7	7659.9	7474.1	7276.0	7127.0	6993.8	6979.8
45°	7425.0	7416.2	7526.6	7665.1	7812.4	7821.1	7717.7	7637.1	7507.4	7393.4	7372.4
47.5°	7758.0	7751.0	7850.9	7926.3	7943.8	7857.9	7891.2	7903.5	7752.8	7598.5	7558.2
50°	7961.4	7975.4	8070.0	8112.1	8008.7	7868.5	7994.7	7963.1	7747.5	7545.9	7481.1
52.5°	8084.0	8105.1	8269.8	8376.8	8269.8	8136.6	8154.2	7968.4	7658.1	7391.7	7307.5
55°	7773.8	7857.9	8213.8	8687.0	8862.3	8769.4	8436.4	7957.8	7382.9	6995.5	6923.7
57.5°	5761.6	5894.8	6422.4	7447.8	8513.5	8851.8	7879.0	6671.3	5800.1	5302.3	5260.2
60°	2941.2	3090.2	3512.7	4566.1	5936.8	6413.6	5488.1	4271.6	3395.2	2992.1	2946.5
62.5°	1200.7	1225.2	1363.7	1770.4	2624.0	3027.1	2659.0	1866.8	1402.3	1291.8	1293.6
65°	944.8	950.0	943.0	967.6	1099.0	1220.0	1127.1	990.3	965.8	978.1	969.3
67.5°	823.8	825.6	820.3	820.3	825.6	820.3	830.8	836.1	839.6	853.6	844.9
70°	688.9	690.6	690.6	694.1	692.4	683.6	699.4	706.4	708.1	716.9	711.6
72.5°	532.9	538.1	541.6	543.4	541.6	536.4	545.1	557.4	555.6	564.4	555.6
75°	361.1	368.1	371.6	378.6	376.9	376.9	387.4	392.6	387.4	394.4	387.4
77.5°	205.1	210.3	220.9	227.9	234.9	240.1	247.1	250.7	248.9	252.4	248.9
80°	119.2	120.9	129.7	133.2	142.0	150.7	157.8	161.3	163.0	164.8	163.0
82.5°	68.4	70.1	73.6	77.1	84.1	91.1	98.2	103.4	103.4	105.2	103.4
85°	33.3	33.3	35.1	36.8	40.3	45.6	50.8	56.1	57.8	57.8	57.8
87.5°	5.3	5.3	7.0	7.0	8.8	10.5	14.0	17.5	19.3	19.3	19.3
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)