

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: P643684

Luminaire Tested: GWS-SA6F-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26191.8 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 372.6
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

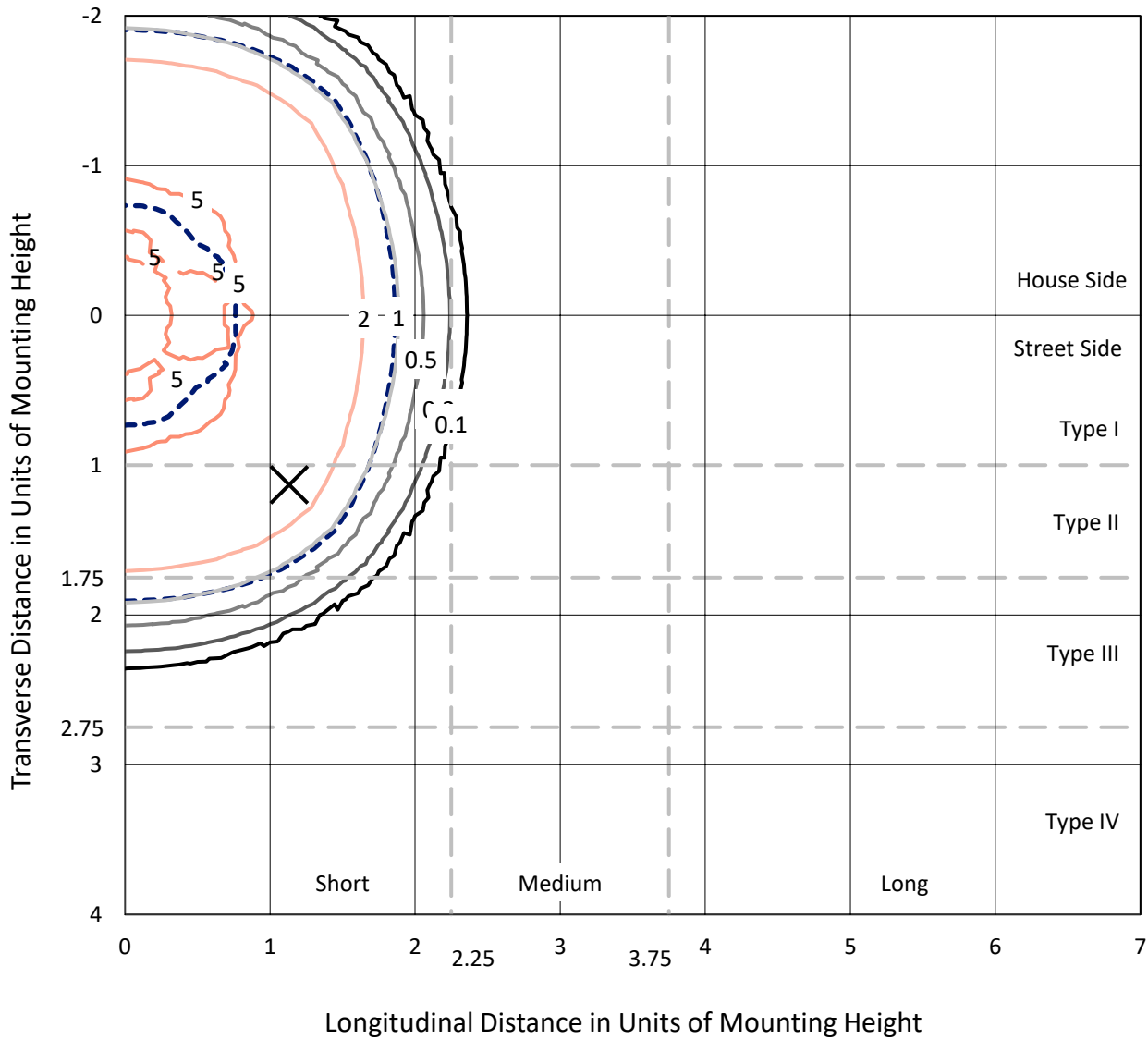


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Iso-Footcandle Lines of Horizontal Illumination

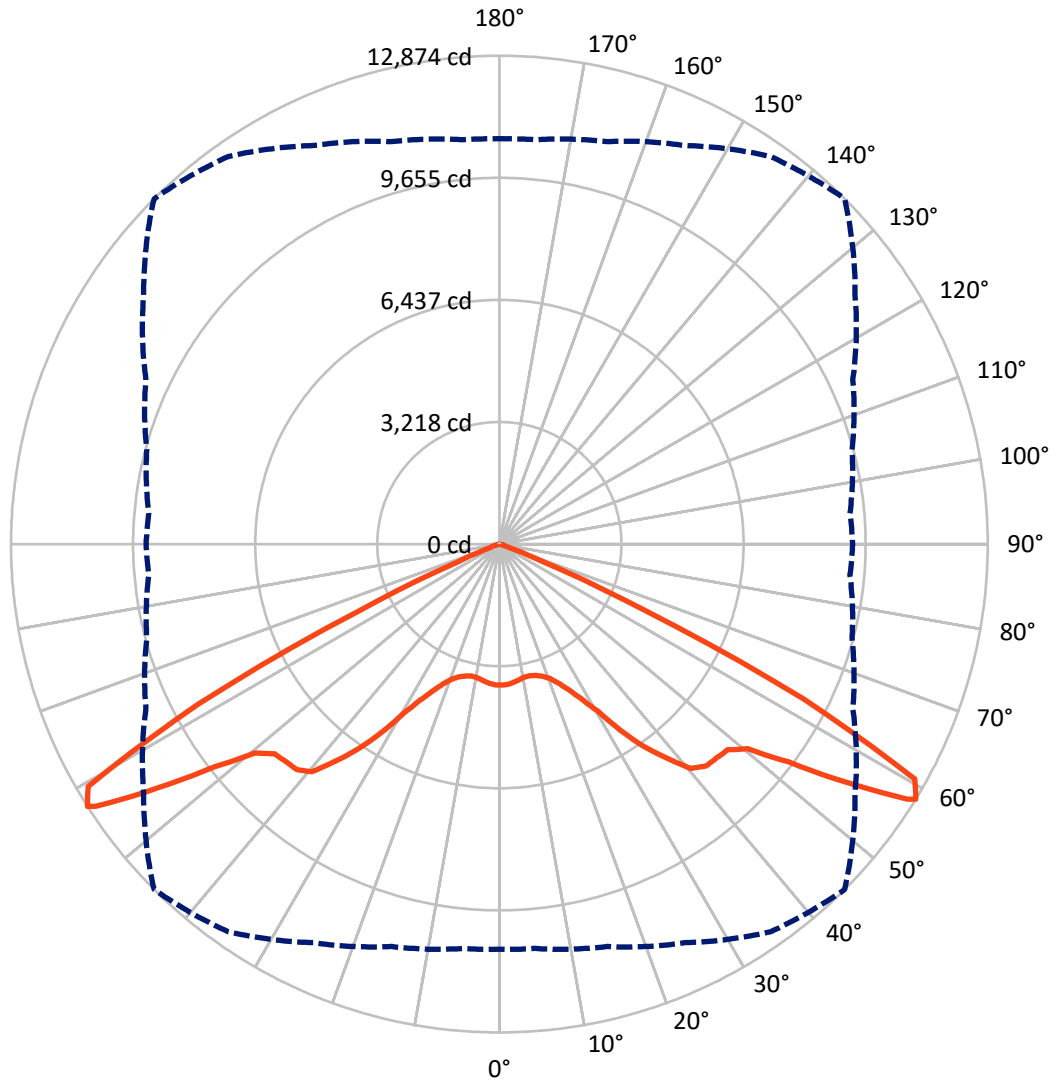
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13095.9	0.0	13095.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13095.9	0.0	13095.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	26191.8	0.0	26191.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.6	1.3
10°-20°	1025.4	3.9
20°-30°	1939.4	7.4
30°-40°	3824.9	14.6
40°-50°	6052.8	23.1
50°-60°	8897.3	34.0
60°-70°	3971.4	15.2
70°-80°	133.1	0.5
80°-90°	1.1	0.0
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°	26191.8	100.0
0°-180°	26191.8	100.0

Coefficient of Utilization



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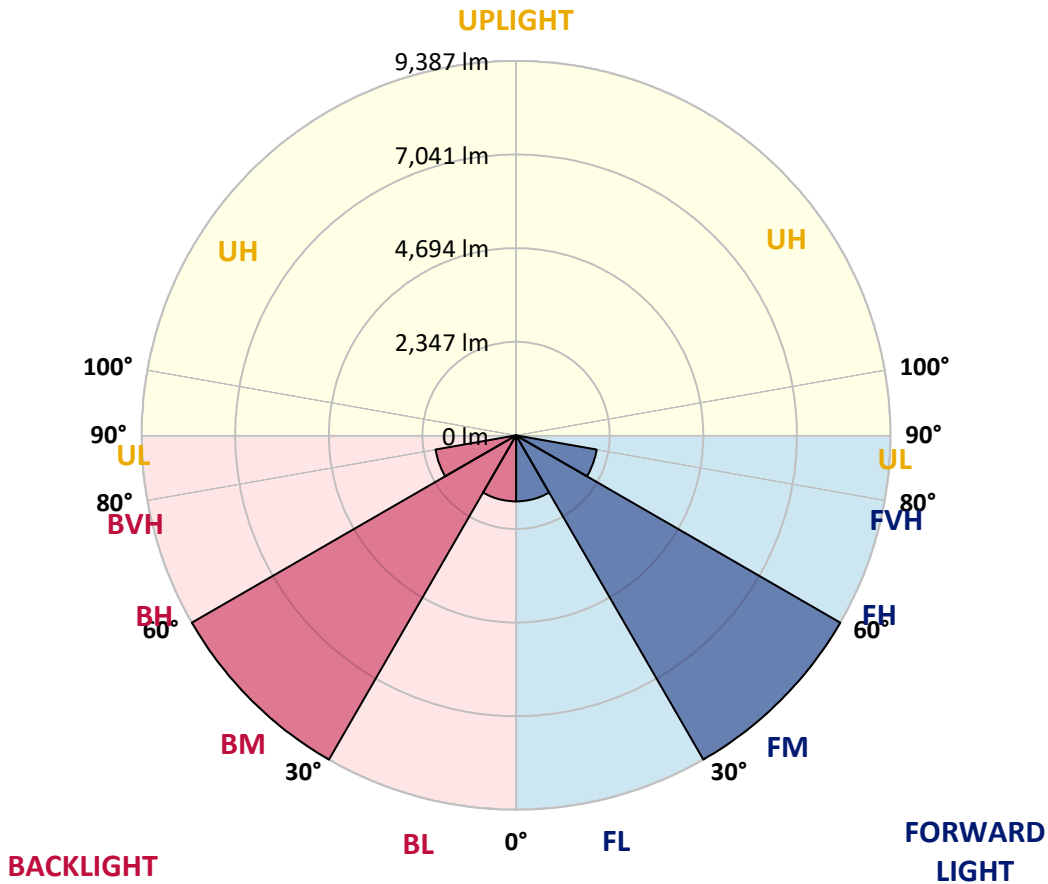
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1655.7	6.3			
FM (30°-60°)	9387.5	35.8			
FH (60°-80°)	2052.2	7.8			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1655.7	6.3	B3/2500		
BM (30°-60°)	9387.5	35.8	B5		
BH (60°-80°)	2052.2	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3	3714.3
2.5°	3678.7	3685.8	3692.9	3696.5	3700.1	3710.8	3714.3	3703.6	3703.6	3682.2	3707.2
5°	3660.8	3668.0	3675.1	3671.5	3671.5	3671.5	3668.0	3653.7	3650.1	3628.7	3653.7
7.5°	3628.7	3635.8	3635.8	3625.1	3618.0	3618.0	3614.4	3596.6	3593.0	3571.6	3596.6
10°	3603.7	3607.3	3603.7	3582.3	3568.1	3568.1	3564.5	3557.4	3560.9	3546.6	3568.1
12.5°	3618.0	3621.6	3607.3	3578.8	3560.9	3557.4	3546.6	3535.9	3546.6	3543.1	3564.5
15°	3664.4	3668.0	3643.0	3607.3	3593.0	3593.0	3564.5	3535.9	3550.2	3553.8	3578.8
17.5°	3721.5	3721.5	3689.4	3657.3	3660.8	3660.8	3614.4	3564.5	3568.1	3582.3	3607.3
20°	3789.3	3789.3	3757.2	3750.0	3775.0	3778.6	3721.5	3643.0	3625.1	3635.8	3664.4
22.5°	3910.6	3910.6	3885.6	3903.5	3960.5	3978.4	3892.7	3782.1	3739.3	3746.5	3775.0
25°	4099.7	4099.7	4092.6	4135.4	4217.4	4256.7	4142.5	3996.2	3924.9	3914.2	3946.3
27.5°	4417.3	4420.8	4410.1	4474.3	4577.8	4624.2	4467.2	4274.5	4188.9	4171.1	4203.2
30°	4827.6	4827.6	4831.1	4920.3	5055.9	5116.6	4909.6	4684.9	4585.0	4527.9	4570.7
32.5°	5284.3	5291.4	5327.1	5477.0	5716.0	5840.9	5537.6	5223.6	5063.1	5002.4	5048.8
35°	6037.2	5969.4	5926.5	6037.2	6383.3	6547.4	6158.5	5791.0	5669.6	5662.5	5780.3
37.5°	6782.9	6743.6	6654.4	6768.6	7079.0	7154.0	6725.8	6418.9	6333.3	6379.7	6497.4
40°	7375.2	7303.8	7186.1	7293.1	7699.9	7774.8	7246.7	6943.4	6911.3	7014.8	7175.4
42.5°	7842.6	7742.7	7585.7	7610.7	7938.9	7992.4	7525.0	7296.7	7318.1	7446.5	7628.5
45°	8053.1	7974.6	7835.5	7824.7	8031.7	8035.3	7667.8	7550.0	7607.1	7707.0	7849.7
47.5°	8142.3	8106.6	8028.1	8010.3	8128.0	8099.5	7871.1	7821.2	7874.7	7903.2	7985.3
50°	8363.5	8363.5	8374.2	8388.5	8509.8	8481.3	8320.7	8263.6	8195.8	8095.9	8120.9
52.5°	8984.4	9009.3	9112.8	9227.0	9448.2	9541.0	9280.5	8948.7	8624.0	8406.3	8406.3
55°	10104.7	10129.7	10251.0	10443.7	10850.5	11071.7	10465.1	9733.7	9287.6	8991.5	9030.7
57.5°	10722.0	10750.6	11000.3	11521.3	12309.8	12684.4	11382.1	10297.4	9673.0	9334.0	9362.6
58°	10682.8	10700.6	10982.5	11592.6	12470.4	12873.5	11446.3	10279.6	9623.0	9276.9	9312.6
60°	9491.0	9466.1	9915.6	10786.2	12024.3	12581.0	10807.6	9384.0	8620.4	8267.2	8285.0
62.5°	6204.8	6219.1	6608.0	7517.9	8481.3	9005.8	7550.0	6490.3	5876.6	5662.5	5609.0
65°	2590.4	2544.0	2783.1	3289.7	3867.8	4160.4	3575.2	3025.7	2647.5	2504.8	2544.0
67.5°	667.2	649.4	663.7	831.4	1016.9	1202.4	1009.8	770.7	670.8	677.9	677.9
70°	378.2	356.8	289.0	267.6	260.5	260.5	260.5	260.5	299.7	353.2	363.9
72.5°	285.4	267.6	210.5	182.0	160.6	149.9	157.0	182.0	217.7	264.0	271.2
75°	142.7	142.7	128.5	121.3	107.0	99.9	103.5	114.2	132.0	149.9	146.3
77.5°	28.5	32.1	35.7	42.8	35.7	35.7	35.7	42.8	42.8	46.4	42.8
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)