

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: P640491

Luminaire Tested: GWS-SA5E-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19458.4 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

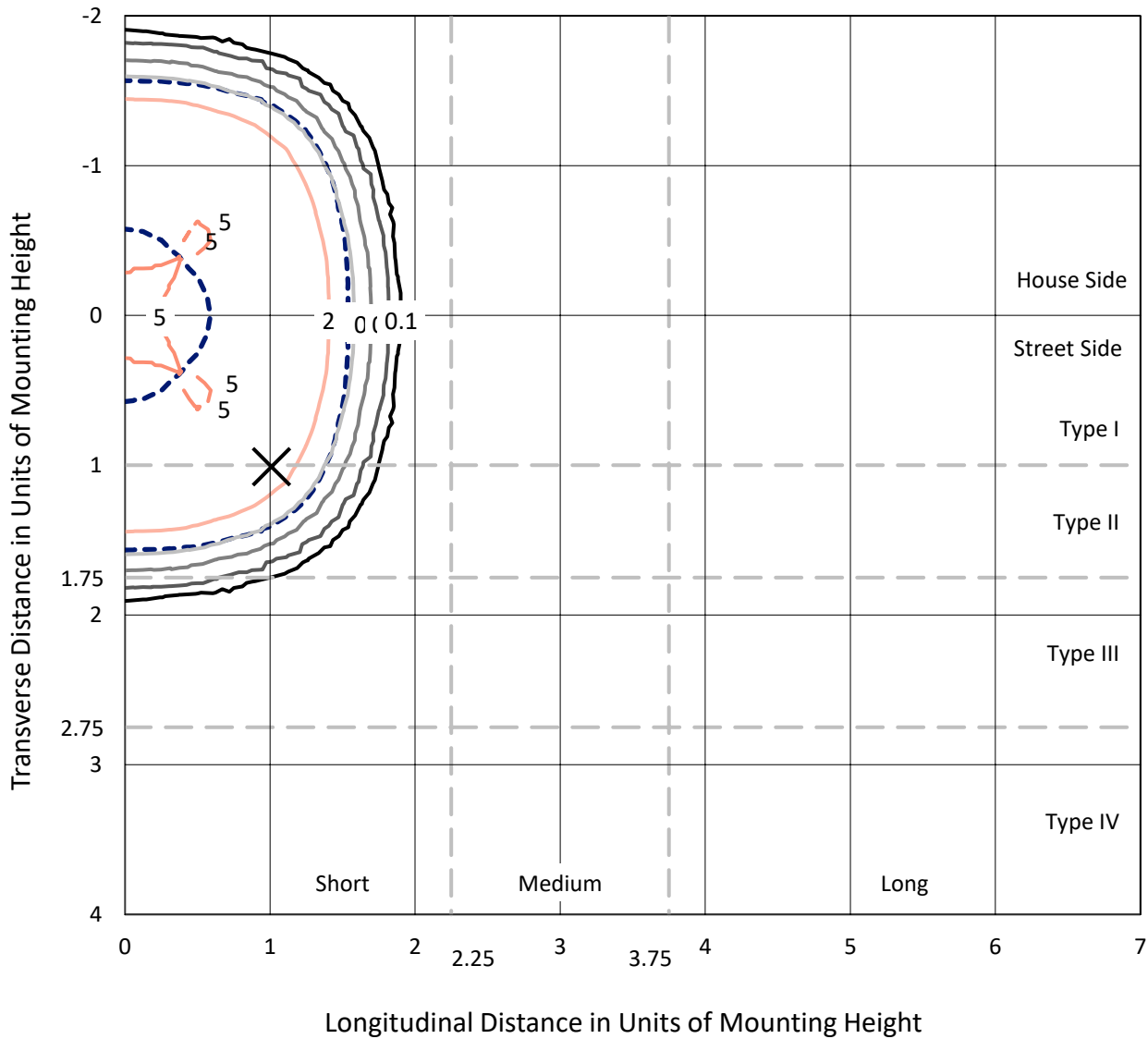
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

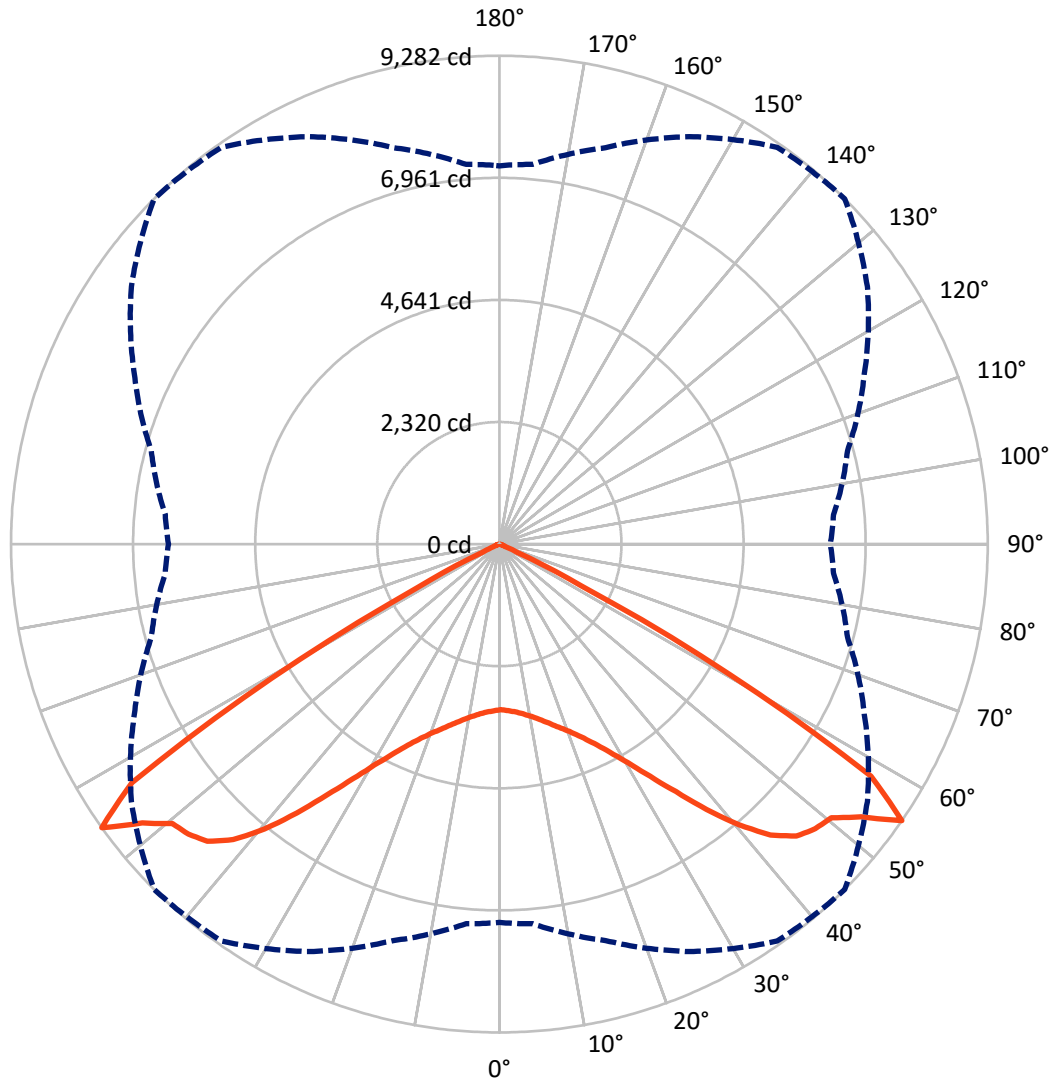
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9729.2	0.0	9729.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9729.2	0.0	9729.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19458.4	0.0	19458.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.2	1.6
10°-20°	999.2	5.1
20°-30°	1935.1	9.9
30°-40°	3466.8	17.8
40°-50°	5812.2	29.9
50°-60°	6221.7	32.0
60°-70°	683.7	3.5
70°-80°	30.1	0.2
80°-90°	1.4	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°	19458.4	100.0
0°-180°	19458.4	100.0

Coefficient of Utilization



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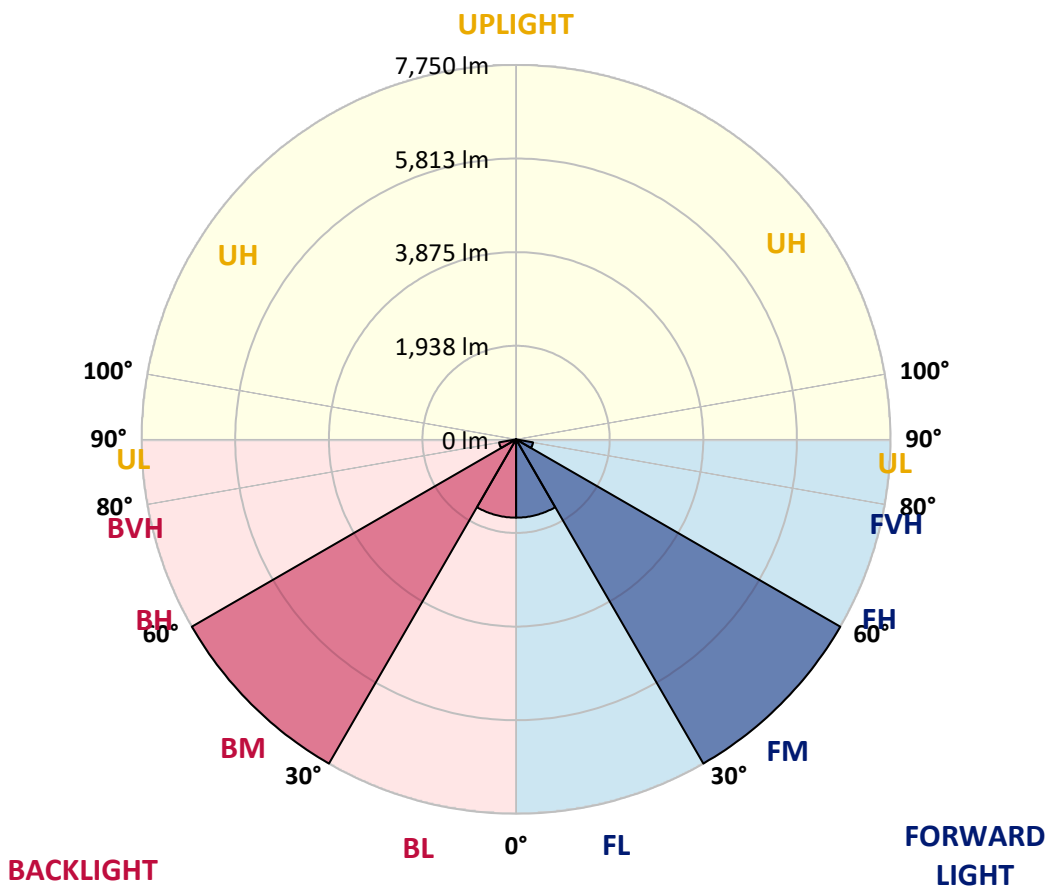
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1621.2	8.3			
FM (30°-60°)	7750.4	39.8			
FH (60°-80°)	356.9	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1621.2	8.3	B3/2500		
BM (30°-60°)	7750.4	39.8	B4/8500		
BH (60°-80°)	356.9	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0	3146.0
2.5°	3140.1	3140.1	3148.0	3154.0	3154.0	3169.8	3163.9	3157.9	3157.9	3150.0	3165.9
5°	3185.7	3183.7	3191.6	3195.6	3187.7	3203.5	3193.6	3187.7	3183.7	3175.8	3191.6
7.5°	3235.3	3237.2	3239.2	3247.1	3243.2	3259.0	3251.1	3239.2	3235.3	3223.4	3239.2
10°	3294.7	3294.7	3298.7	3308.6	3310.6	3330.4	3322.5	3308.6	3296.7	3284.8	3300.7
12.5°	3370.1	3372.0	3378.0	3391.9	3399.8	3421.6	3409.7	3382.0	3364.1	3350.2	3368.1
15°	3479.1	3477.1	3485.0	3504.9	3514.8	3530.6	3512.8	3475.1	3453.3	3437.5	3449.4
17.5°	3598.0	3598.0	3602.0	3621.8	3635.7	3659.5	3637.7	3592.1	3572.3	3550.5	3562.3
20°	3728.9	3734.8	3738.8	3752.7	3776.4	3800.2	3782.4	3736.8	3715.0	3687.2	3701.1
22.5°	3901.3	3895.4	3897.4	3921.2	3954.9	3978.7	3964.8	3911.2	3873.6	3851.8	3859.7
25°	4093.6	4091.6	4097.6	4133.3	4170.9	4196.7	4176.9	4107.5	4069.8	4032.2	4048.0
27.5°	4329.5	4331.5	4335.5	4379.1	4438.6	4476.2	4426.7	4357.3	4305.7	4256.2	4268.1
30°	4609.0	4605.1	4617.0	4676.5	4763.7	4823.1	4765.7	4668.5	4595.2	4547.6	4553.5
32.5°	4906.4	4910.4	4942.1	5037.2	5152.2	5257.3	5140.3	5011.5	4916.3	4827.1	4839.0
35°	5227.6	5237.5	5308.8	5449.6	5637.9	5778.7	5616.1	5404.0	5269.2	5154.2	5158.2
37.5°	5606.2	5630.0	5729.1	5939.2	6208.8	6397.2	6159.3	5877.8	5703.3	5560.6	5550.7
40°	6103.8	6131.5	6266.3	6516.1	6843.2	7015.7	6740.1	6450.7	6234.6	6080.0	6056.2
42.5°	6674.7	6710.4	6857.1	7112.8	7439.9	7556.9	7287.3	7043.4	6849.1	6666.8	6658.8
45°	7319.0	7338.8	7457.7	7654.0	7889.9	7917.7	7715.5	7580.6	7384.4	7213.9	7200.0
47.5°	7923.6	7943.4	8024.7	8125.8	8181.3	8082.2	8046.5	7987.0	7733.3	7523.2	7479.5
50°	8383.5	8399.4	8500.5	8540.1	8385.5	8175.4	8244.7	8117.9	7842.3	7606.4	7539.0
52.5°	8351.8	8391.4	8651.1	8877.1	8780.0	8609.5	8423.2	8149.6	7721.4	7398.3	7315.0
55°	7190.1	7243.6	7800.7	8544.1	9208.2	9281.5	8536.2	7654.0	6849.1	6375.4	6290.1
57.5°	4620.9	4634.8	5314.8	6357.5	7854.2	8326.0	7079.1	5770.7	4769.6	4248.3	4212.6
60°	1698.9	1671.2	2184.6	3048.9	4523.8	5023.4	4167.0	2918.1	2081.5	1712.8	1683.0
62.5°	408.4	412.3	511.5	767.2	1419.4	1756.4	1387.7	775.1	493.6	414.3	410.4
65°	206.2	202.2	204.2	220.0	303.3	362.8	297.4	210.1	202.2	204.2	202.2
67.5°	132.8	130.8	134.8	136.8	134.8	126.9	124.9	128.9	128.9	130.8	126.9
70°	81.3	79.3	83.3	89.2	85.2	75.3	79.3	83.3	79.3	77.3	77.3
72.5°	43.6	43.6	47.6	51.5	47.6	43.6	43.6	45.6	43.6	43.6	43.6
75°	19.8	19.8	21.8	23.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
77.5°	5.9	5.9	7.9	7.9	5.9	5.9	5.9	5.9	7.9	7.9	7.9
80°	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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)