

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: P639939

Luminaire Tested: GWS-SA5C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16562.9 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

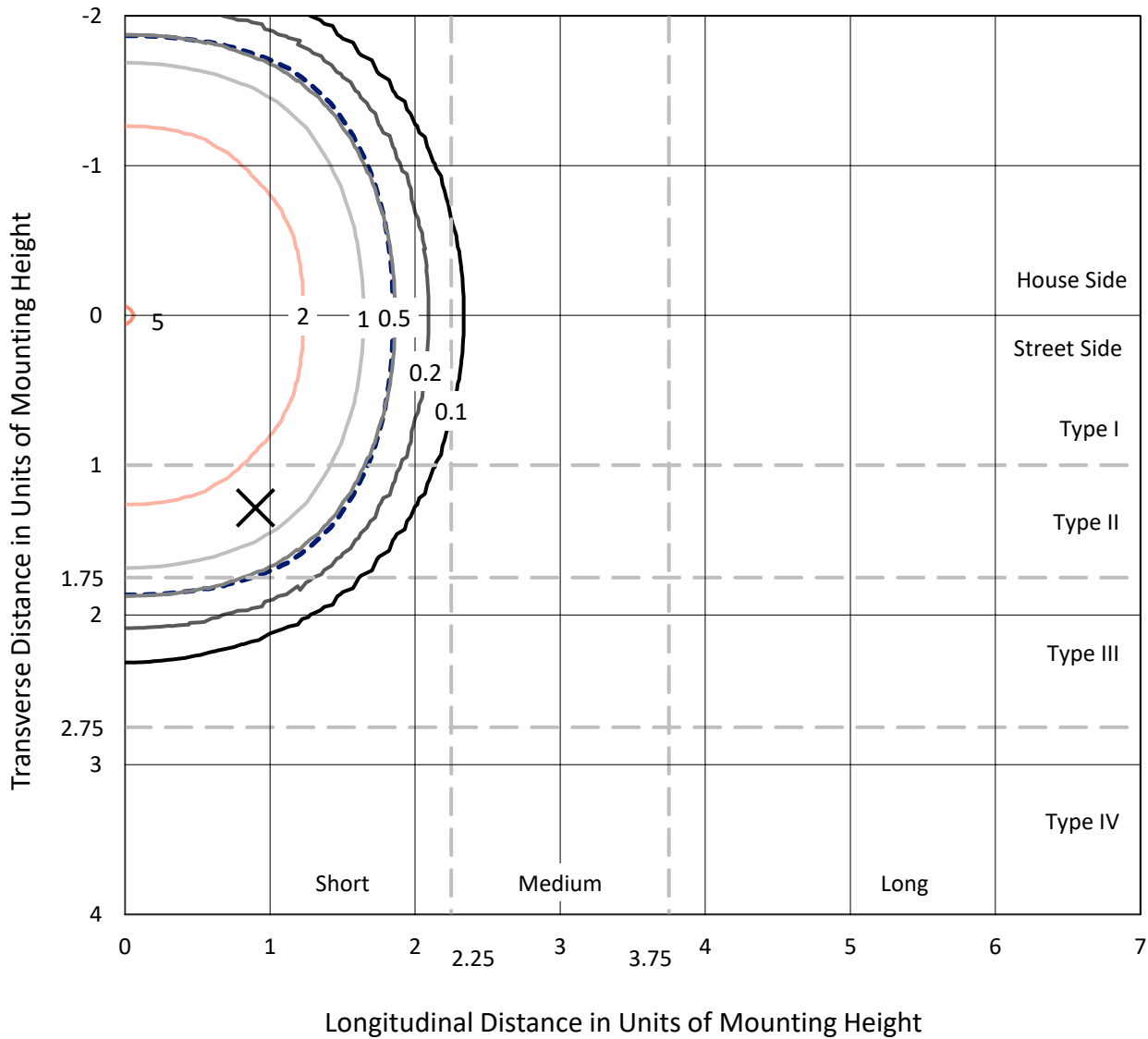
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

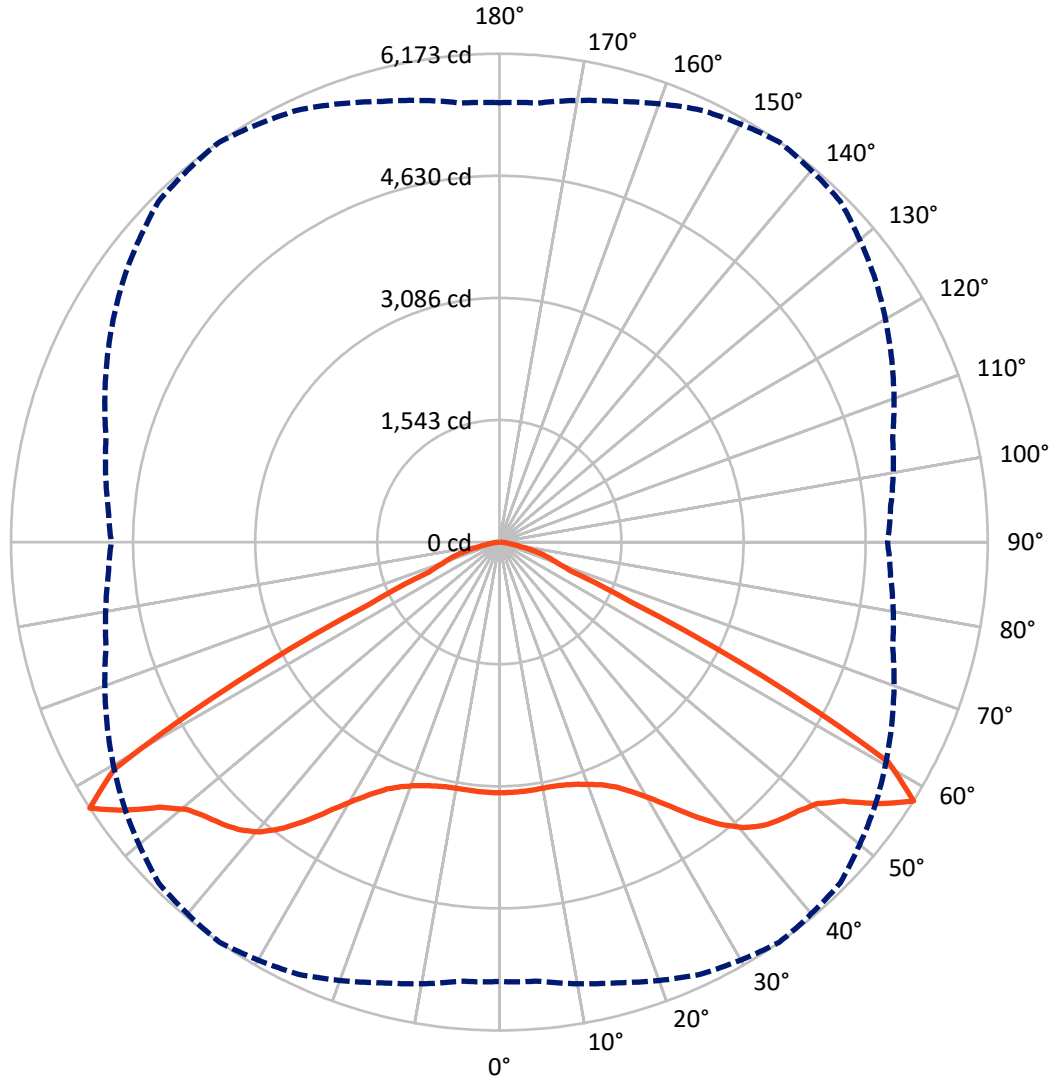
✕ Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8281.4	0.0	8281.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8281.4	0.0	8281.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16562.9	0.0	16562.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.5	1.8
10°-20°	899.5	5.4
20°-30°	1569.4	9.5
30°-40°	2573.5	15.5
40°-50°	3790.2	22.9
50°-60°	4837.0	29.2
60°-70°	2038.5	12.3
70°-80°	487.0	2.9
80°-90°	66.3	0.4
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°	16562.9	100.0
0°-180°	16562.9	100.0

Coefficient of Utilization



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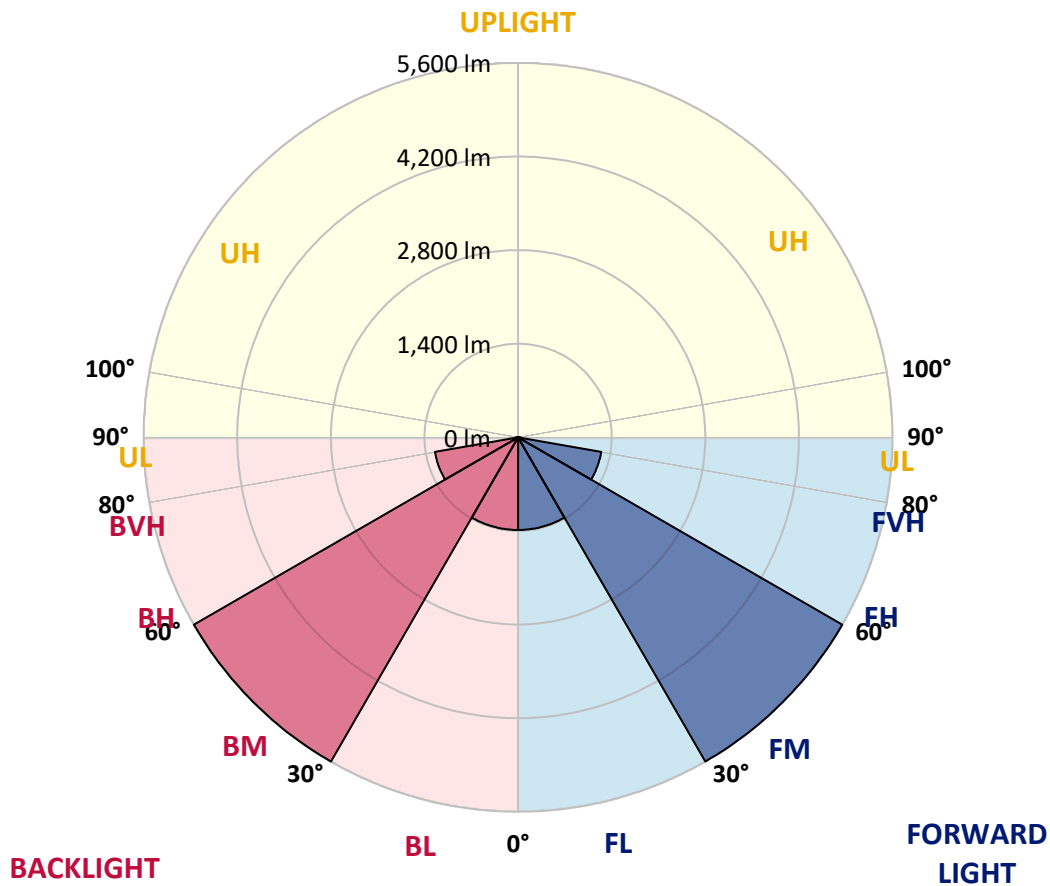
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1385.2	8.4			
FM (30°-60°)	5600.4	33.8			
FH (60°-80°)	1262.7	7.6			G1/1800
FVH (80°-90°)	33.1	0.2			G1/100
BL (0°-30°)	1385.2	8.4	B3/2500		
BM (30°-60°)	5600.4	33.8	B4/8500		
BH (60°-80°)	1262.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	33.1	0.2			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°	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1	3169.1
2.5°	3150.1	3150.1	3156.9	3163.7	3166.4	3178.6	3177.3	3173.2	3170.5	3162.3	3173.2
5°	3156.9	3156.9	3162.3	3166.4	3165.1	3174.5	3170.5	3163.7	3159.6	3151.5	3163.7
7.5°	3155.6	3155.6	3159.6	3163.7	3161.0	3169.1	3162.3	3152.8	3146.1	3137.9	3148.8
10°	3137.9	3140.6	3144.7	3154.2	3158.3	3170.5	3161.0	3146.1	3135.2	3125.7	3136.6
12.5°	3135.2	3137.9	3143.4	3155.6	3162.3	3180.0	3167.8	3143.4	3127.1	3114.9	3125.7
15°	3147.4	3150.1	3158.3	3173.2	3184.0	3203.0	3185.4	3151.5	3128.4	3112.2	3121.7
17.5°	3162.3	3166.4	3178.6	3200.3	3217.9	3238.3	3216.6	3175.9	3143.4	3121.7	3129.8
20°	3178.6	3184.0	3203.0	3235.6	3268.1	3293.9	3266.8	3212.5	3173.2	3144.7	3152.8
22.5°	3207.1	3213.9	3238.3	3284.4	3333.2	3371.2	3337.3	3264.0	3212.5	3175.9	3182.7
25°	3265.4	3273.5	3304.7	3360.3	3429.5	3475.6	3428.1	3345.4	3273.5	3228.8	3235.6
27.5°	3368.5	3372.5	3413.2	3486.4	3571.9	3624.8	3567.8	3470.2	3390.2	3338.6	3344.1
30°	3504.1	3516.3	3557.0	3653.2	3754.9	3825.5	3750.9	3635.6	3543.4	3481.0	3486.4
32.5°	3669.5	3677.6	3738.7	3839.0	3985.5	4066.8	3965.1	3828.2	3717.0	3641.0	3646.5
35°	3886.5	3893.3	3951.6	4079.0	4256.7	4332.6	4216.0	4058.7	3929.9	3858.0	3878.3
37.5°	4145.5	4157.7	4199.7	4325.8	4523.8	4598.4	4464.2	4317.7	4183.5	4117.0	4131.9
40°	4423.5	4422.1	4456.0	4567.2	4747.6	4793.7	4673.0	4556.4	4441.1	4397.7	4422.1
42.5°	4662.1	4655.4	4679.8	4772.0	4896.7	4900.8	4820.8	4755.7	4674.4	4644.5	4667.6
45°	4828.9	4831.7	4868.3	4932.0	4995.7	4961.8	4937.4	4926.6	4862.8	4822.2	4826.2
47.5°	4960.5	4971.3	5029.6	5073.0	5081.2	5024.2	5058.1	5074.4	5021.5	4959.1	4941.5
50°	5077.1	5094.7	5170.7	5216.8	5199.1	5127.3	5193.7	5218.1	5101.5	4982.2	4946.9
52.5°	5288.6	5309.0	5401.2	5460.9	5440.5	5368.7	5431.0	5344.2	5147.6	5001.2	4956.4
55°	5626.3	5635.8	5748.4	5846.0	5836.5	5748.4	5698.2	5505.6	5267.0	5115.1	5073.0
57.5°	5554.4	5570.7	5766.0	6026.3	6172.8	6092.8	5798.5	5470.4	5146.3	4963.2	4906.2
60°	4370.6	4409.9	4652.7	5111.0	5648.0	5646.7	5100.2	4590.3	4199.7	3957.0	3932.6
62.5°	2552.1	2579.2	2800.3	3264.0	3745.4	3775.3	3391.5	3041.7	2699.9	2535.8	2457.2
65°	1208.3	1206.9	1295.0	1503.9	1829.3	1855.1	1739.8	1548.6	1346.6	1291.0	1276.1
67.5°	892.3	892.3	885.5	900.4	962.8	976.4	962.8	931.6	912.6	924.8	916.7
70°	774.3	775.7	767.5	763.5	763.5	759.4	764.8	777.0	785.2	801.4	793.3
72.5°	627.9	629.2	629.2	630.6	631.9	626.5	634.6	641.4	642.8	648.2	642.8
75°	446.1	448.9	457.0	463.8	469.2	469.2	471.9	473.3	467.8	474.6	463.8
77.5°	245.4	248.2	263.1	275.3	287.5	288.8	292.9	295.6	292.9	298.3	290.2
80°	135.6	138.3	145.1	150.5	160.0	168.2	173.6	176.3	176.3	180.4	176.3
82.5°	77.3	80.0	84.1	86.8	94.9	101.7	107.1	111.2	111.2	112.6	109.8
85°	36.6	36.6	39.3	42.0	46.1	48.8	55.6	59.7	59.7	62.4	59.7
87.5°	5.4	6.8	8.1	8.1	10.8	13.6	16.3	17.6	20.3	21.7	21.7
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)