

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: P642145

Luminaire Tested: GWS-SA6C-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642145
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-SA6C-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23652 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

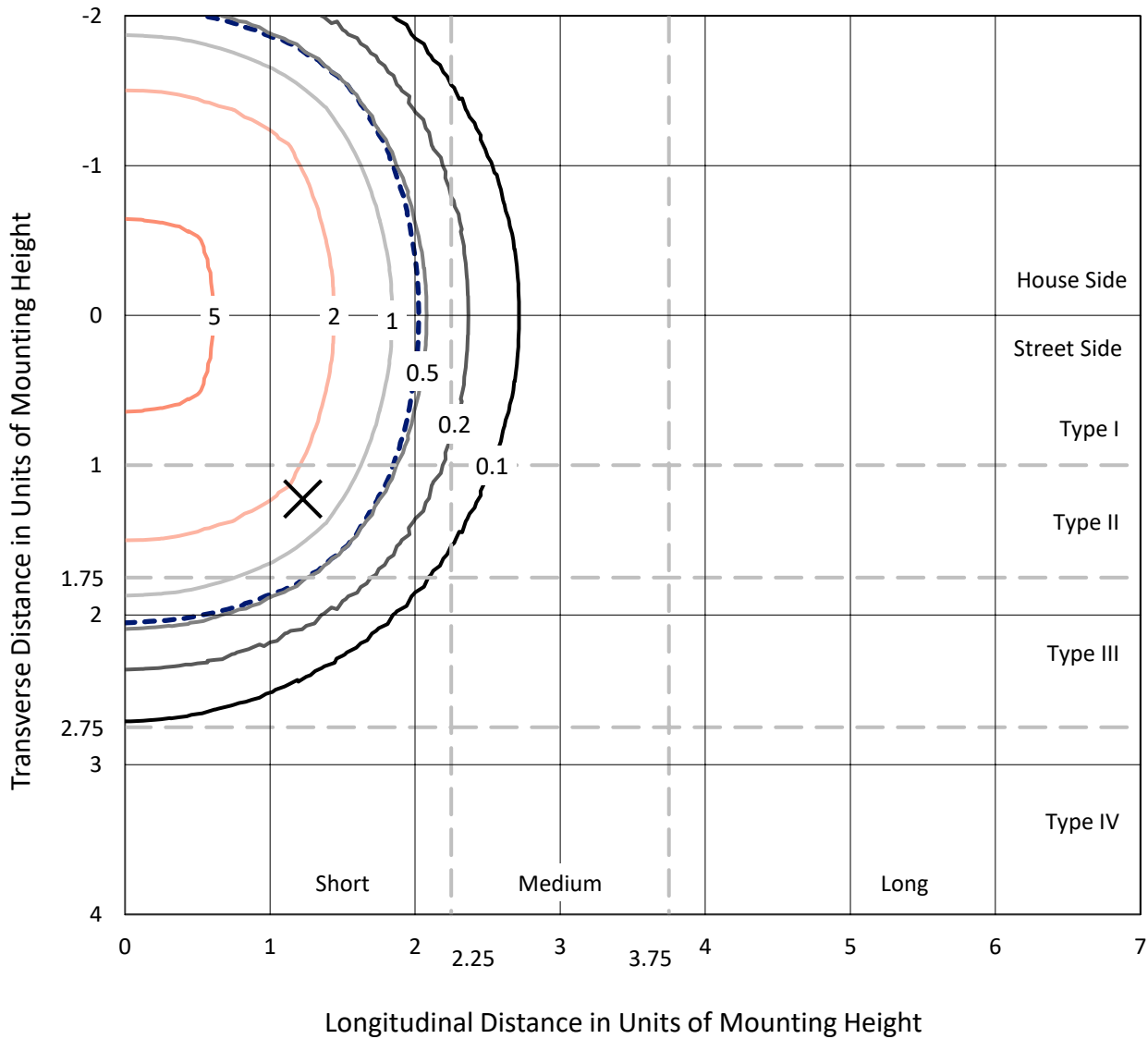
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

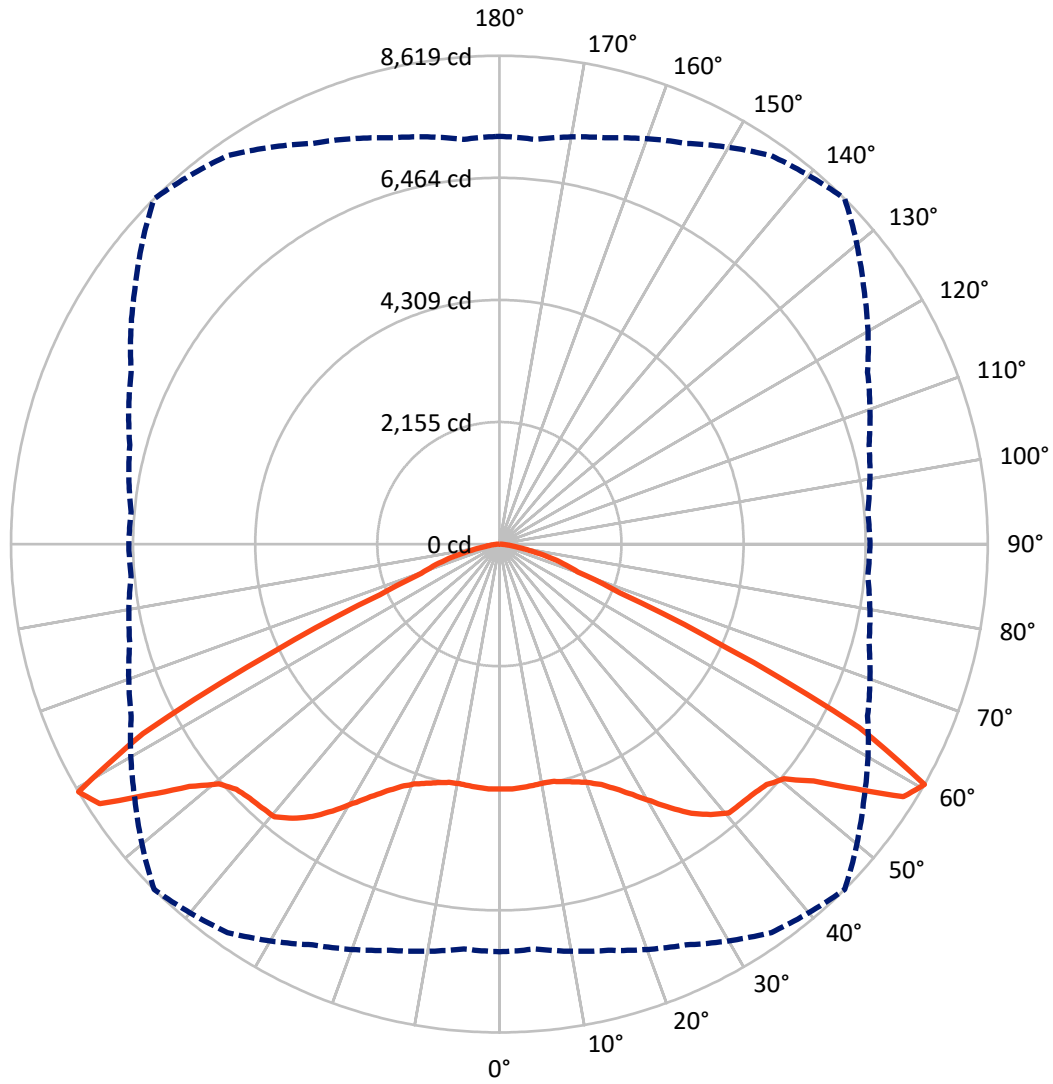
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	11826.0	0.0	11826.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11826.0	0.0	11826.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23652.0	0.0	23652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.9	1.7
10°-20°	1233.0	5.2
20°-30°	2181.3	9.2
30°-40°	3512.0	14.8
40°-50°	4827.1	20.4
50°-60°	6432.6	27.2
60°-70°	4009.1	17.0
70°-80°	921.9	3.9
80°-90°	125.1	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°	23652.0	100.0
0°-180°	23652.0	100.0

Coefficient of Utilization



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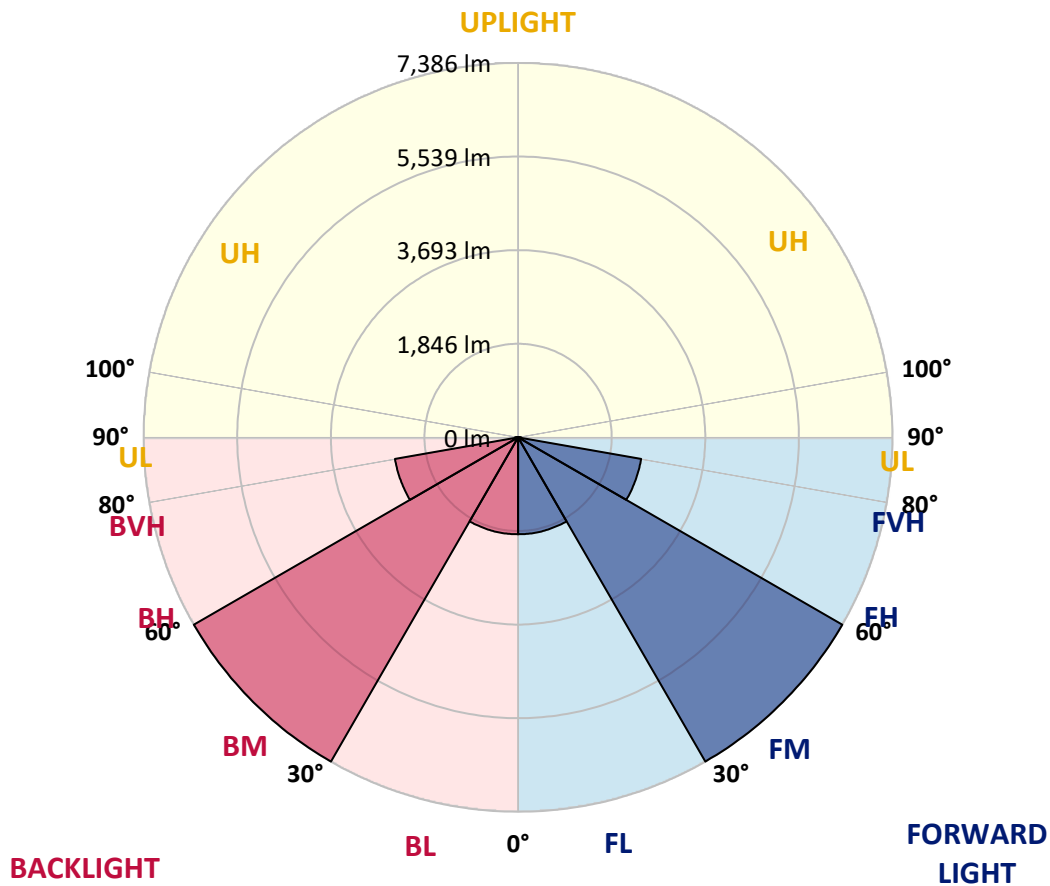
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1912.1	8.1			
FM (30°-60°)	7385.9	31.2			
FH (60°-80°)	2465.5	10.4			G2/5000
FVH (80°-90°)	62.5	0.3			G1/100
BL (0°-30°)	1912.1	8.1	B3/2500		
BM (30°-60°)	7385.9	31.2	B4/8500		
BH (60°-80°)	2465.5	10.4	B3/2500		G2/5000
BVH (80°-90°)	62.5	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°	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4	4322.4
2.5°	4292.3	4296.3	4304.3	4310.3	4318.4	4326.4	4330.4	4322.4	4318.4	4302.3	4320.4
5°	4296.3	4300.3	4306.3	4306.3	4308.3	4314.3	4314.3	4304.3	4294.3	4276.2	4296.3
7.5°	4290.2	4294.3	4296.3	4294.3	4296.3	4298.3	4294.3	4282.2	4272.2	4256.1	4272.2
10°	4280.2	4284.2	4288.2	4284.2	4280.2	4286.2	4286.2	4278.2	4272.2	4256.1	4274.2
12.5°	4302.3	4308.3	4310.3	4300.3	4296.3	4298.3	4298.3	4290.2	4290.2	4276.2	4296.3
15°	4354.5	4358.5	4352.5	4340.4	4342.4	4348.5	4334.4	4314.3	4310.3	4304.3	4320.4
17.5°	4394.6	4398.7	4392.6	4384.6	4398.7	4412.7	4386.6	4348.5	4336.4	4332.4	4350.5
20°	4438.8	4444.8	4436.8	4446.8	4474.9	4491.0	4458.9	4406.7	4382.6	4376.6	4398.7
22.5°	4511.1	4519.1	4519.1	4541.2	4583.4	4609.5	4569.3	4499.0	4462.9	4452.9	4474.9
25°	4625.5	4631.5	4637.6	4681.7	4750.0	4786.1	4721.9	4625.5	4575.3	4559.3	4571.3
27.5°	4784.1	4794.2	4804.2	4868.4	4952.8	5005.0	4912.6	4792.1	4729.9	4697.8	4721.9
30°	4972.8	4986.9	5011.0	5083.3	5201.7	5259.9	5141.5	4994.9	4924.7	4890.5	4922.6
32.5°	5229.8	5231.8	5249.9	5330.2	5486.8	5553.0	5404.5	5241.9	5169.6	5129.4	5147.5
35°	5535.0	5537.0	5508.9	5591.2	5759.8	5834.1	5659.4	5494.8	5434.6	5422.5	5468.7
37.5°	5848.1	5830.1	5802.0	5838.1	6008.8	6056.9	5872.2	5731.7	5705.6	5727.7	5795.9
40°	6071.0	6040.9	5984.7	6010.8	6183.4	6239.6	6042.9	5910.4	5902.4	5956.6	6038.9
42.5°	6215.5	6183.4	6117.2	6117.2	6235.6	6259.7	6107.1	6036.9	6054.9	6117.2	6195.5
45°	6285.8	6267.7	6229.6	6209.5	6275.8	6285.8	6169.4	6141.3	6175.4	6205.5	6265.7
47.5°	6340.0	6340.0	6328.0	6307.9	6338.0	6344.0	6257.7	6249.7	6293.8	6293.8	6334.0
50°	6436.4	6446.4	6462.5	6458.5	6490.6	6510.7	6446.4	6434.4	6452.4	6394.2	6414.3
52.5°	6689.3	6715.4	6761.6	6797.7	6880.1	6942.3	6827.9	6731.5	6637.1	6508.6	6512.7
55°	7143.1	7155.1	7245.4	7351.8	7490.4	7616.8	7382.0	7082.8	6878.0	6727.5	6729.5
57.5°	7526.5	7544.6	7677.1	7899.9	8211.1	8407.8	7887.9	7388.0	7098.9	6914.2	6920.2
60°	7195.2	7171.2	7422.1	7803.6	8367.7	8618.6	7851.7	7169.2	6753.6	6524.7	6540.8
62.5°	5567.1	5520.9	5800.0	6199.5	6876.0	7127.0	6420.3	5765.8	5372.3	5193.7	5167.6
65°	3388.8	3346.7	3547.4	3792.4	4250.1	4408.7	4085.5	3738.2	3394.9	3286.4	3256.3
67.5°	1845.0	1839.0	1893.2	2013.6	2214.4	2288.7	2226.4	2061.8	1973.5	1897.2	1897.2
70°	1463.5	1451.5	1441.5	1443.5	1461.5	1471.6	1473.6	1465.6	1475.6	1477.6	1469.6
72.5°	1212.6	1208.6	1188.5	1190.5	1182.5	1178.5	1192.5	1200.5	1216.6	1218.6	1218.6
75°	879.3	869.3	879.3	881.3	873.3	873.3	883.3	881.3	889.4	893.4	871.3
77.5°	499.9	499.9	513.9	530.0	542.1	542.1	552.1	552.1	562.1	560.1	556.1
80°	275.0	275.0	283.1	293.1	305.2	317.2	327.2	329.2	335.3	333.3	327.2
82.5°	156.6	158.6	162.6	168.6	180.7	190.7	200.8	202.8	208.8	208.8	202.8
85°	74.3	72.3	74.3	78.3	84.3	92.3	102.4	108.4	112.4	112.4	108.4
87.5°	14.1	16.1	14.1	16.1	18.1	24.1	28.1	32.1	38.1	40.2	36.1
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)