

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: P640495

Luminaire Tested: GWS-SA5E-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640495
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-SA5E-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23353.6 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

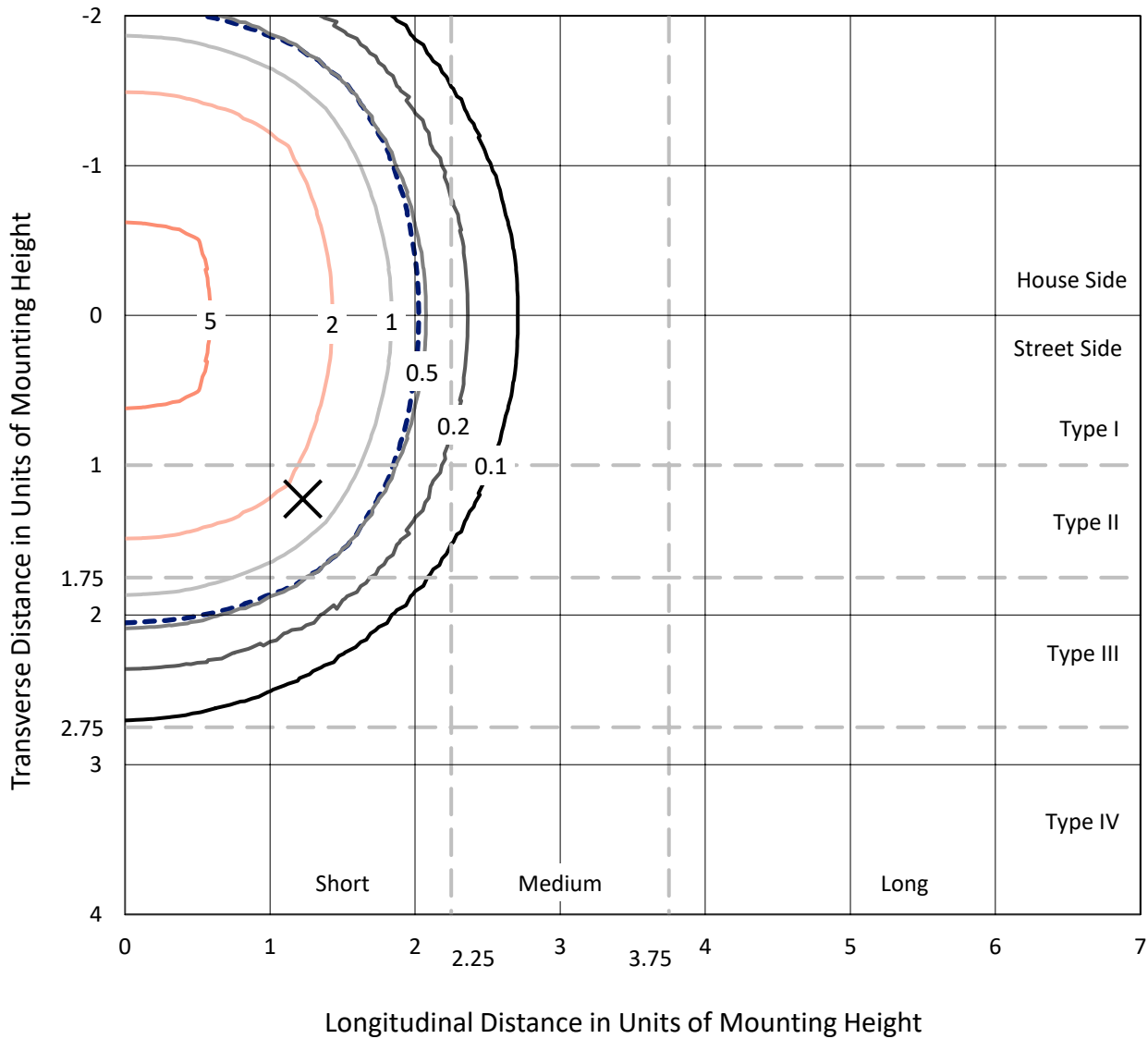
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

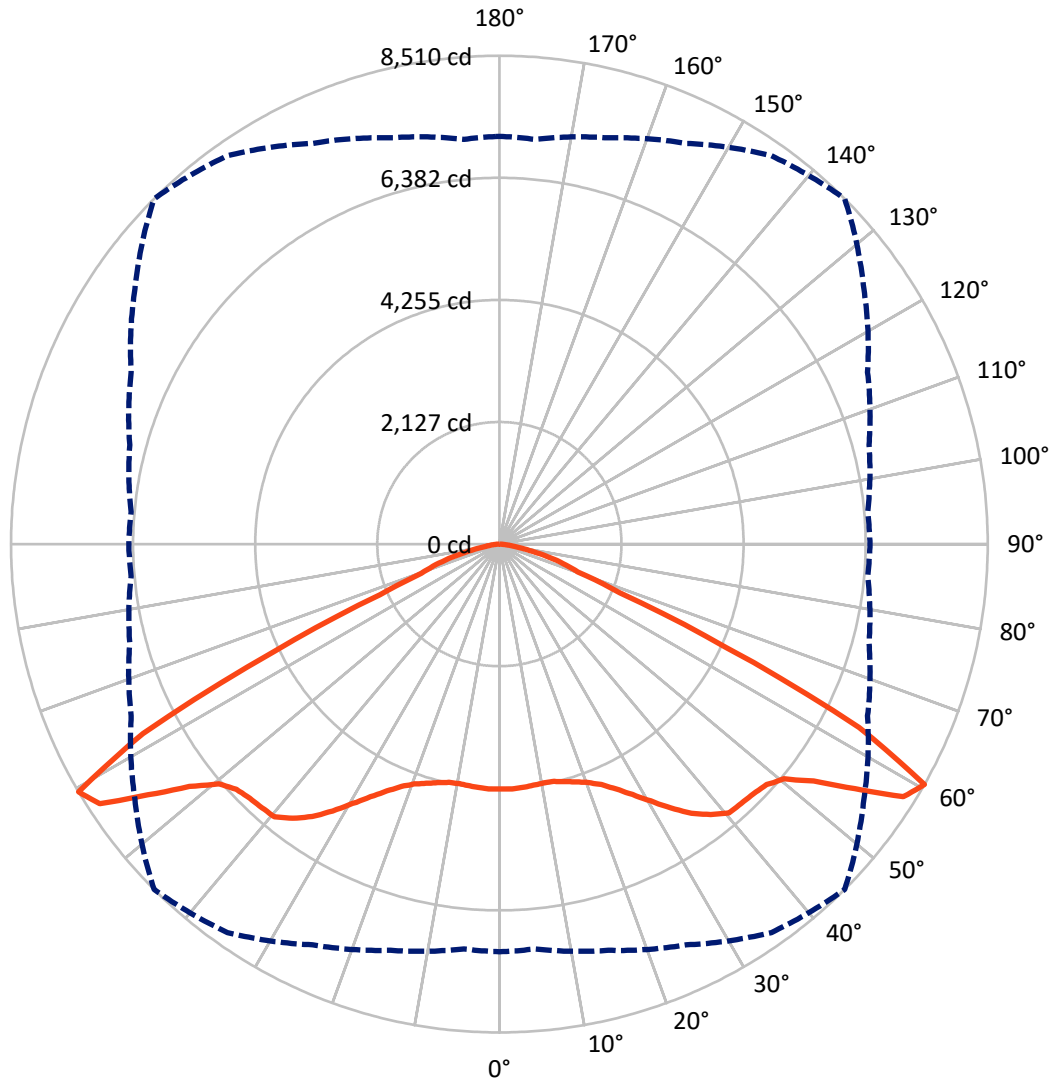
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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CATALOG NUMBER: GWS-SA5E-722-U-5WQ-W-GRSWH

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	11676.8	0.0	11676.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11676.8	0.0	11676.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	23353.6	0.0	23353.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	1.7
10°-20°	1217.4	5.2
20°-30°	2153.8	9.2
30°-40°	3467.7	14.8
40°-50°	4766.2	20.4
50°-60°	6351.5	27.2
60°-70°	3958.5	17.0
70°-80°	910.3	3.9
80°-90°	123.5	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°	23353.6	100.0
0°-180°	23353.6	100.0

Coefficient of Utilization



REPORT NUMBER: P640495

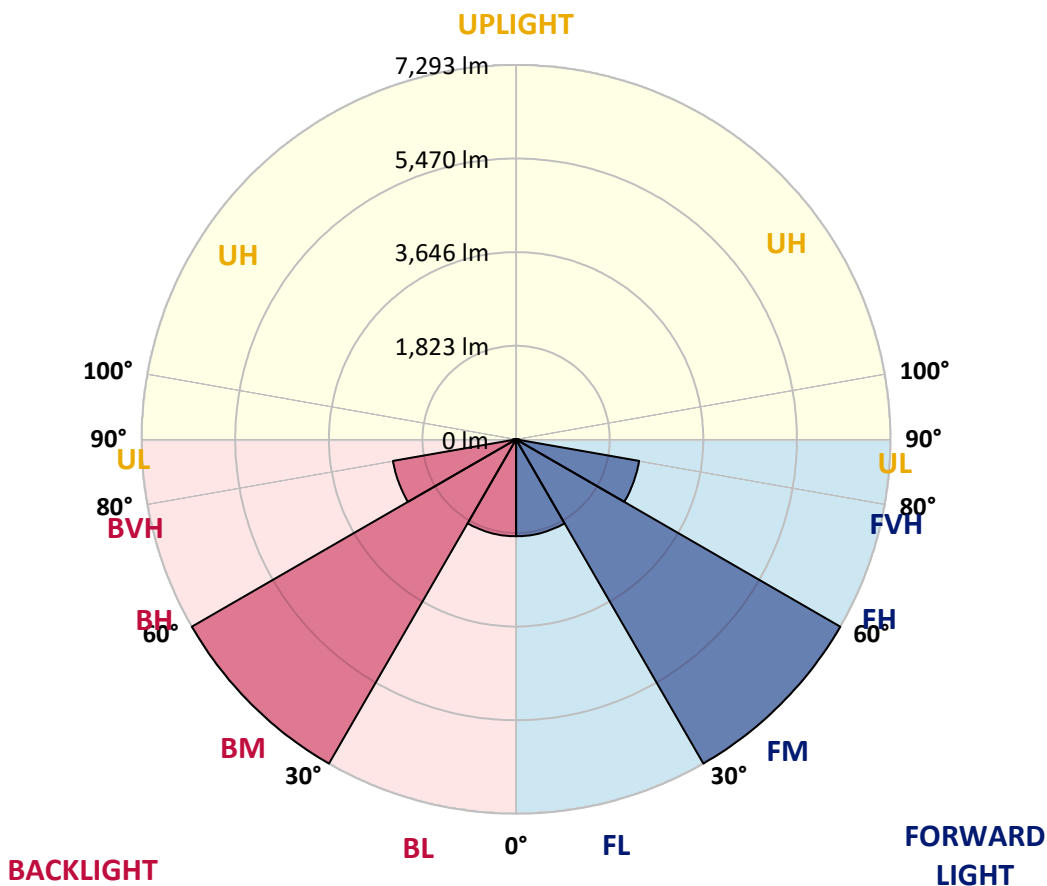
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1888.0	8.1			
FM (30°-60°)	7292.7	31.2			
FH (60°-80°)	2434.4	10.4			G2/5000
FVH (80°-90°)	61.7	0.3			G1/100
BL (0°-30°)	1888.0	8.1	B3/2500		
BM (30°-60°)	7292.7	31.2	B4/8500		
BH (60°-80°)	2434.4	10.4	B3/2500		G2/5000
BVH (80°-90°)	61.7	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°	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8	4267.8
2.5°	4238.1	4242.1	4250.0	4255.9	4263.9	4271.8	4275.8	4267.8	4263.9	4248.0	4265.9
5°	4242.1	4246.0	4252.0	4252.0	4254.0	4259.9	4259.9	4250.0	4240.1	4222.2	4242.1
7.5°	4236.1	4240.1	4242.1	4240.1	4242.1	4244.0	4240.1	4228.2	4218.3	4202.4	4218.3
10°	4226.2	4230.2	4234.1	4230.2	4226.2	4232.2	4232.2	4224.2	4218.3	4202.4	4220.3
12.5°	4248.0	4254.0	4255.9	4246.0	4242.1	4244.0	4244.0	4236.1	4236.1	4222.2	4242.1
15°	4299.6	4303.5	4297.6	4285.7	4287.7	4293.6	4279.7	4259.9	4255.9	4250.0	4265.9
17.5°	4339.2	4343.2	4337.2	4329.3	4343.2	4357.0	4331.3	4293.6	4281.7	4277.7	4295.6
20°	4382.8	4388.8	4380.8	4390.7	4418.5	4434.3	4402.6	4351.1	4327.3	4321.4	4343.2
22.5°	4454.2	4462.1	4462.1	4483.9	4525.5	4551.3	4511.7	4442.3	4406.6	4396.7	4418.5
25°	4567.2	4573.1	4579.1	4622.7	4690.1	4725.7	4662.3	4567.2	4517.6	4501.7	4513.6
27.5°	4723.8	4733.7	4743.6	4807.0	4890.3	4941.8	4850.6	4731.7	4670.2	4638.5	4662.3
30°	4910.1	4924.0	4947.8	5019.1	5136.1	5193.6	5076.6	4931.9	4862.5	4828.8	4860.5
32.5°	5163.8	5165.8	5183.6	5262.9	5417.6	5483.0	5336.3	5175.7	5104.4	5064.7	5082.6
35°	5465.1	5467.1	5439.4	5520.6	5687.1	5760.5	5588.0	5425.5	5366.0	5354.1	5399.7
37.5°	5774.4	5756.5	5728.8	5764.5	5932.9	5980.5	5798.2	5659.4	5633.6	5655.4	5722.8
40°	5994.4	5964.7	5909.2	5934.9	6105.4	6160.9	5966.6	5835.8	5827.9	5881.4	5962.7
42.5°	6137.1	6105.4	6040.0	6040.0	6156.9	6180.7	6030.1	5960.7	5978.5	6040.0	6117.3
45°	6206.5	6188.7	6151.0	6131.2	6196.6	6206.5	6091.5	6063.8	6097.5	6127.2	6186.7
47.5°	6260.0	6260.0	6248.1	6228.3	6258.0	6264.0	6178.7	6170.8	6214.4	6214.4	6254.1
50°	6355.2	6365.1	6380.9	6377.0	6408.7	6428.5	6365.1	6353.2	6371.0	6313.5	6333.4
52.5°	6604.9	6630.7	6676.3	6712.0	6793.3	6854.7	6741.7	6646.6	6553.4	6426.5	6430.5
55°	7052.9	7064.8	7154.0	7259.1	7395.9	7520.7	7288.8	6993.5	6791.3	6642.6	6644.6
57.5°	7431.5	7449.4	7580.2	7800.3	8107.5	8301.8	7788.4	7294.8	7009.3	6827.0	6832.9
60°	7104.5	7080.7	7328.5	7705.1	8262.1	8509.9	7752.7	7078.7	6668.4	6442.4	6458.3
62.5°	5496.8	5451.3	5726.8	6121.3	6789.3	7037.1	6339.3	5693.1	5304.6	5128.1	5102.4
65°	3346.1	3304.5	3502.7	3744.5	4196.5	4353.1	4033.9	3691.0	3352.0	3245.0	3215.2
67.5°	1821.7	1815.8	1869.3	1988.2	2186.4	2259.8	2198.3	2035.8	1948.6	1873.2	1873.2
70°	1445.1	1433.2	1423.3	1425.3	1443.1	1453.0	1455.0	1447.1	1457.0	1459.0	1451.0
72.5°	1197.3	1193.3	1173.5	1175.5	1167.6	1163.6	1177.5	1185.4	1201.3	1203.2	1203.2
75°	868.2	858.3	868.2	870.2	862.3	862.3	872.2	870.2	878.1	882.1	860.3
77.5°	493.6	493.6	507.5	523.3	535.2	535.2	545.1	545.1	555.0	553.1	549.1
80°	271.6	271.6	279.5	289.4	301.3	313.2	323.1	325.1	331.0	329.1	323.1
82.5°	154.6	156.6	160.6	166.5	178.4	188.3	198.2	200.2	206.2	206.2	200.2
85°	73.3	71.4	73.3	77.3	83.3	91.2	101.1	107.0	111.0	111.0	107.0
87.5°	13.9	15.9	13.9	15.9	17.8	23.8	27.8	31.7	37.7	39.6	35.7
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)