

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: P640489

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640489
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-SA5E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24211.9 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

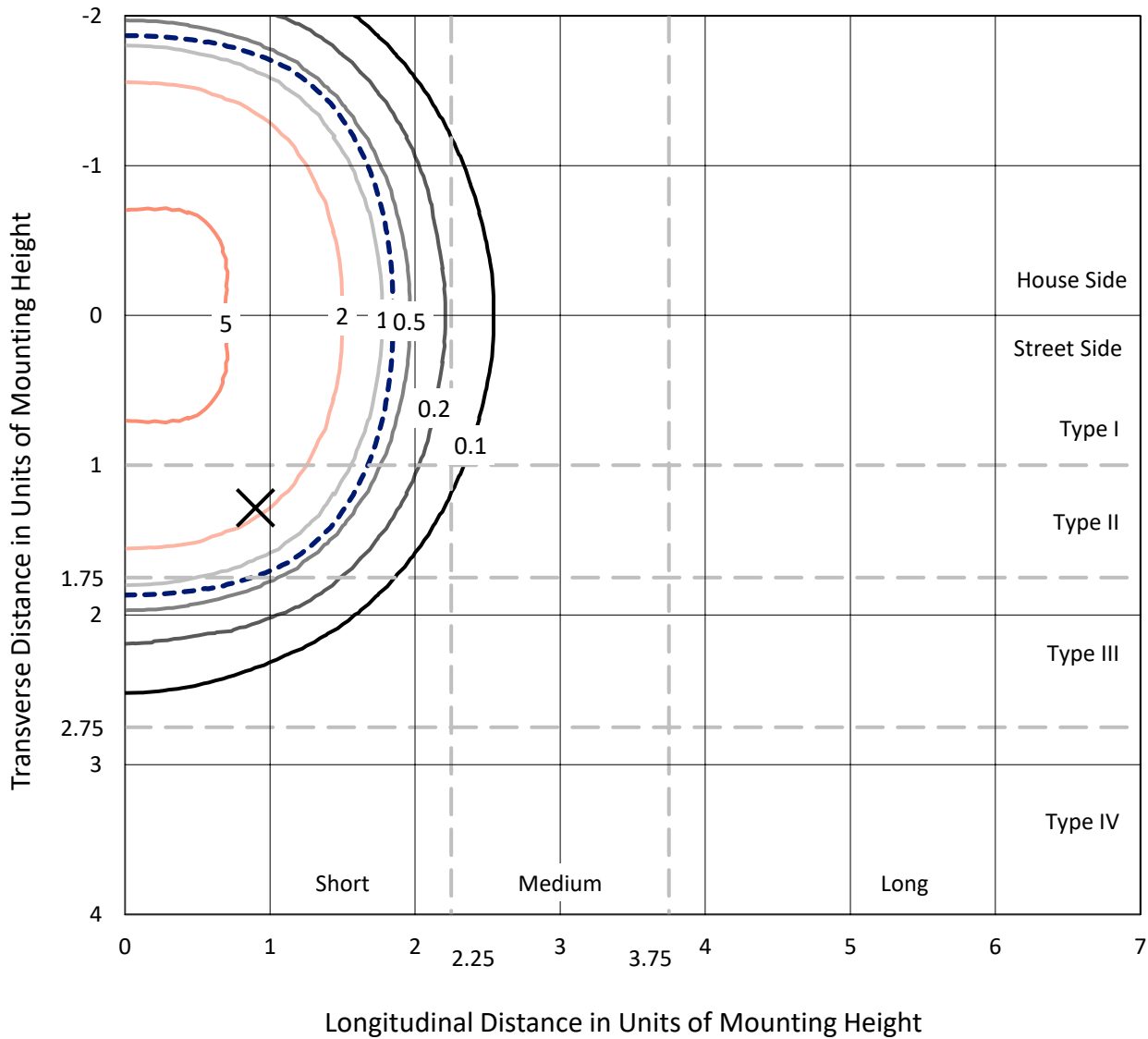
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

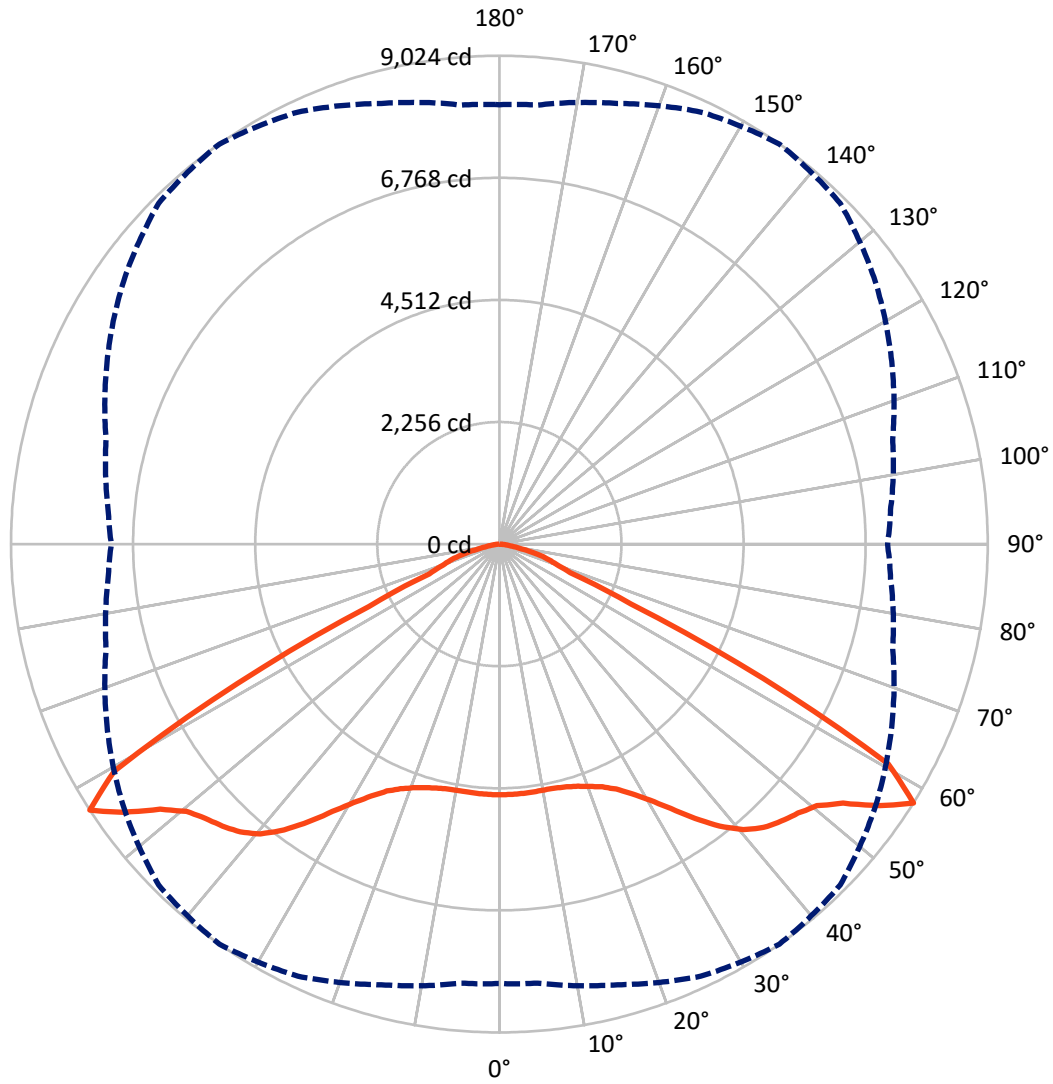
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	12105.9	0.0	12105.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12105.9	0.0	12105.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	24211.9	0.0	24211.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.7	1.8
10°-20°	1314.9	5.4
20°-30°	2294.2	9.5
30°-40°	3762.0	15.5
40°-50°	5540.6	22.9
50°-60°	7070.8	29.2
60°-70°	2979.9	12.3
70°-80°	711.8	2.9
80°-90°	96.9	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°	24211.9	100.0
0°-180°	24211.9	100.0

Coefficient of Utilization



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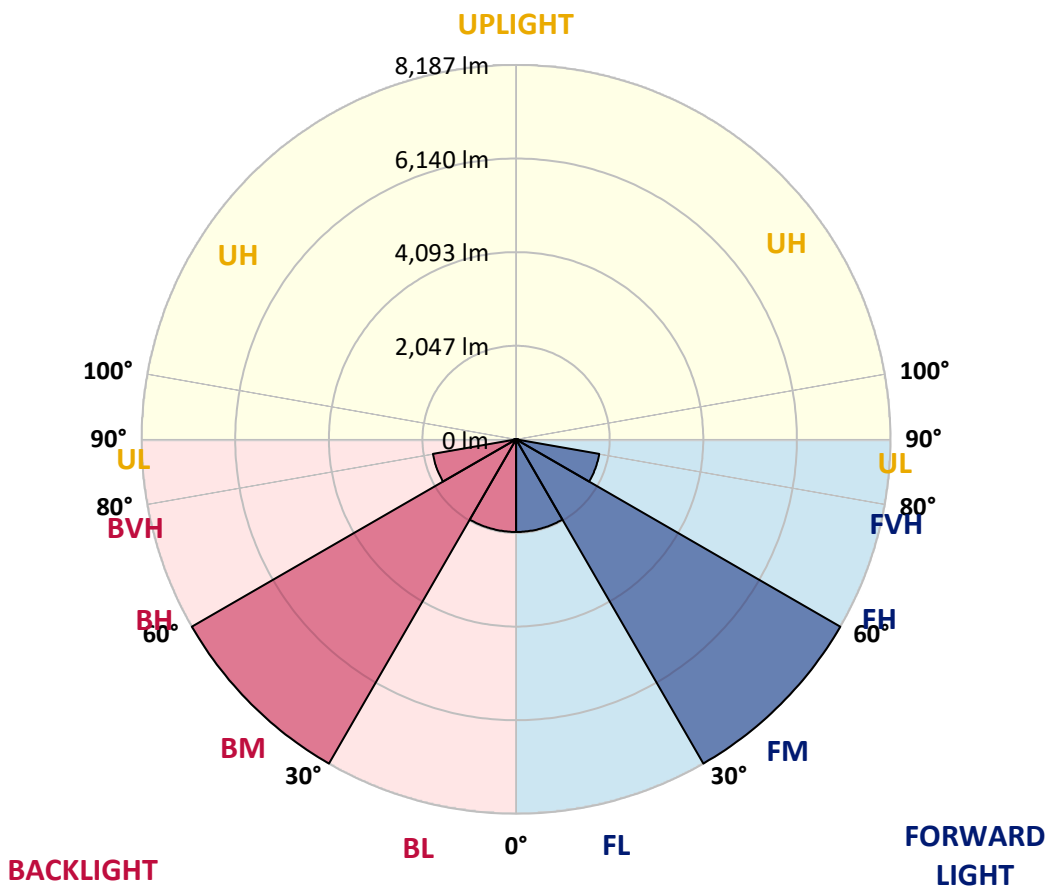
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2024.9	8.4			
FM (30°-60°)	8186.7	33.8			
FH (60°-80°)	1845.9	7.6			G2/5000
FVH (80°-90°)	48.4	0.2			G1/100
BL (0°-30°)	2024.9	8.4	B3/2500		
BM (30°-60°)	8186.7	33.8	B4/8500		
BH (60°-80°)	1845.9	7.6	B3/2500		G2/5000
BVH (80°-90°)	48.4	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7	4632.7
2.5°	4604.9	4604.9	4614.8	4624.7	4628.7	4646.5	4644.6	4638.6	4634.7	4622.8	4638.6
5°	4614.8	4614.8	4622.8	4628.7	4626.7	4640.6	4634.7	4624.7	4618.8	4606.9	4624.7
7.5°	4612.8	4612.8	4618.8	4624.7	4620.8	4632.7	4622.8	4608.9	4599.0	4587.1	4602.9
10°	4587.1	4591.0	4597.0	4610.9	4616.8	4634.7	4620.8	4599.0	4583.1	4569.2	4585.1
12.5°	4583.1	4587.1	4595.0	4612.8	4622.8	4648.5	4630.7	4595.0	4571.2	4553.4	4569.2
15°	4601.0	4604.9	4616.8	4638.6	4654.5	4682.2	4656.5	4606.9	4573.2	4549.4	4563.3
17.5°	4622.8	4628.7	4646.5	4678.3	4704.0	4733.8	4702.1	4642.6	4595.0	4563.3	4575.2
20°	4646.5	4654.5	4682.2	4729.8	4777.4	4815.0	4775.4	4696.1	4638.6	4597.0	4608.9
22.5°	4688.2	4698.1	4733.8	4801.2	4872.5	4928.0	4878.5	4771.4	4696.1	4642.6	4652.5
25°	4773.4	4785.3	4830.9	4912.2	5013.3	5080.7	5011.3	4890.4	4785.3	4719.9	4729.8
27.5°	4924.1	4930.0	4989.5	5096.5	5221.4	5298.7	5215.5	5072.7	4955.8	4880.5	4888.4
30°	5122.3	5140.1	5199.6	5340.4	5489.0	5592.1	5483.1	5314.6	5179.8	5088.6	5096.5
32.5°	5364.1	5376.0	5465.2	5611.9	5826.0	5945.0	5796.3	5596.1	5433.5	5322.5	5330.4
35°	5681.3	5691.2	5776.5	5962.8	6222.5	6333.5	6163.0	5933.1	5744.7	5639.7	5669.4
37.5°	6059.9	6077.8	6139.2	6323.6	6613.0	6722.0	6525.8	6311.7	6115.4	6018.3	6040.1
40°	6466.3	6464.3	6513.9	6676.4	6940.1	7007.5	6831.1	6660.6	6492.1	6428.6	6464.3
42.5°	6815.2	6805.3	6841.0	6975.8	7158.1	7164.1	7047.1	6952.0	6833.0	6789.4	6823.1
45°	7059.0	7063.0	7116.5	7209.7	7302.8	7253.3	7217.6	7201.8	7108.6	7049.1	7055.1
47.5°	7251.3	7267.2	7352.4	7415.8	7427.7	7344.5	7394.0	7417.8	7340.5	7249.3	7223.6
50°	7421.8	7447.6	7558.6	7626.0	7600.2	7495.1	7592.3	7627.9	7457.5	7283.0	7231.5
52.5°	7731.0	7760.8	7895.6	7982.8	7953.0	7848.0	7939.2	7812.3	7524.9	7310.8	7245.4
55°	8224.6	8238.5	8403.0	8545.8	8531.9	8403.0	8329.7	8048.2	7699.3	7477.3	7415.8
57.5°	8119.6	8143.3	8428.8	8809.4	9023.5	8906.5	8476.4	7996.7	7522.9	7255.3	7172.0
60°	6389.0	6446.5	6801.3	7471.3	8256.3	8254.4	7455.5	6710.1	6139.2	5784.4	5748.7
62.5°	3730.7	3770.4	4093.5	4771.4	5475.2	5518.8	4957.8	4446.3	3946.8	3706.9	3592.0
65°	1766.2	1764.3	1893.1	2198.4	2674.1	2711.8	2543.3	2263.8	1968.4	1887.2	1865.4
67.5°	1304.4	1304.4	1294.5	1316.3	1407.4	1427.3	1407.4	1361.9	1334.1	1351.9	1340.0
70°	1131.9	1133.9	1122.0	1116.0	1116.0	1110.1	1118.0	1135.9	1147.8	1171.5	1159.7
72.5°	917.8	919.8	919.8	921.8	923.8	915.8	927.7	937.6	939.6	947.5	939.6
75°	652.2	656.1	668.0	678.0	685.9	685.9	689.8	691.8	683.9	693.8	678.0
77.5°	358.8	362.8	384.6	402.4	420.3	422.2	428.2	432.1	428.2	436.1	424.2
80°	198.2	202.2	212.1	220.0	233.9	245.8	253.7	257.7	257.7	263.6	257.7
82.5°	113.0	117.0	122.9	126.9	138.8	148.7	156.6	162.5	162.5	164.5	160.6
85°	53.5	53.5	57.5	61.5	67.4	71.4	81.3	87.2	87.2	91.2	87.2
87.5°	7.9	9.9	11.9	11.9	15.9	19.8	23.8	25.8	29.7	31.7	31.7
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)