

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: P643185

Luminaire Tested: GWS-SA6E-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46357.8 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

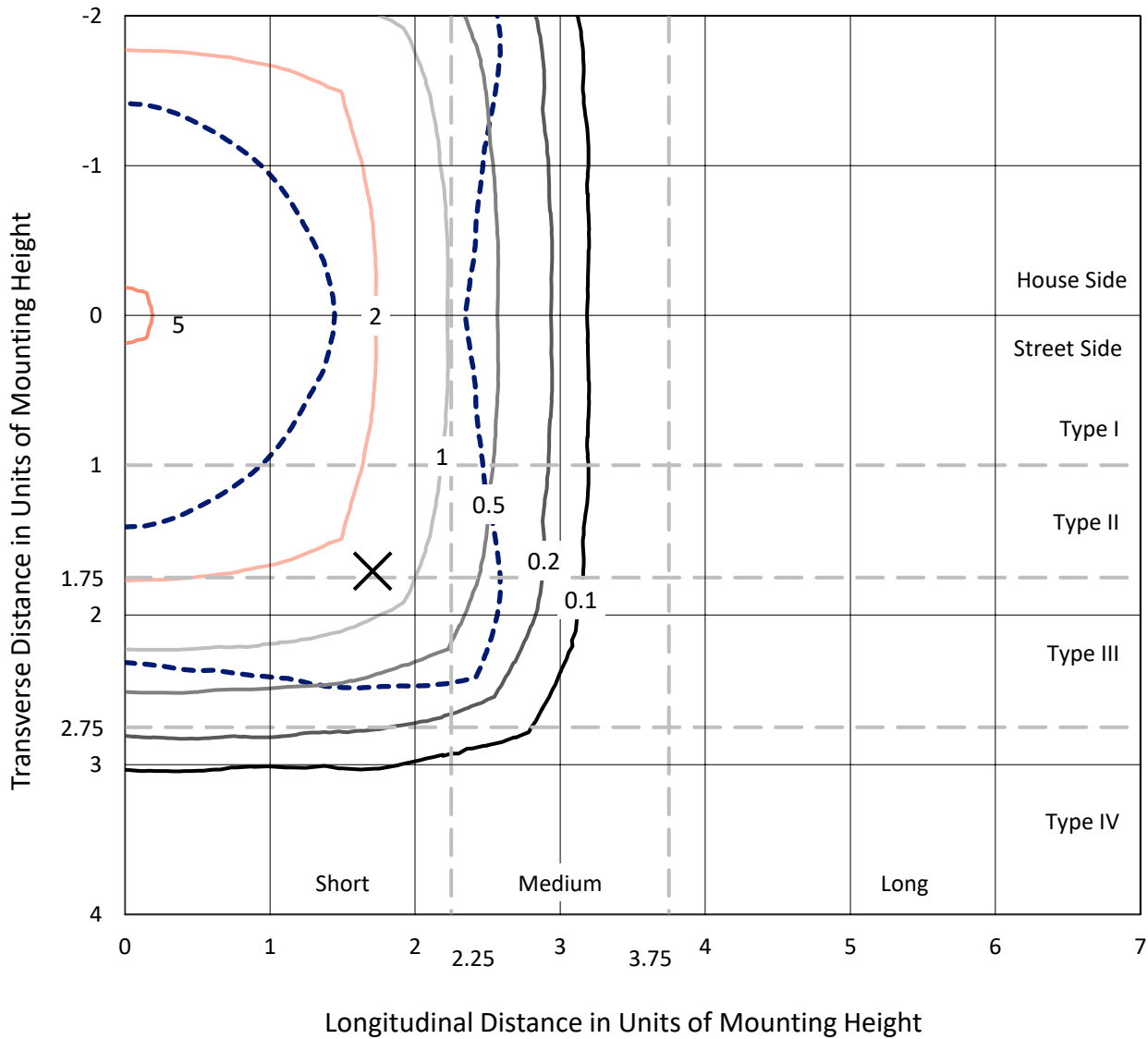
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

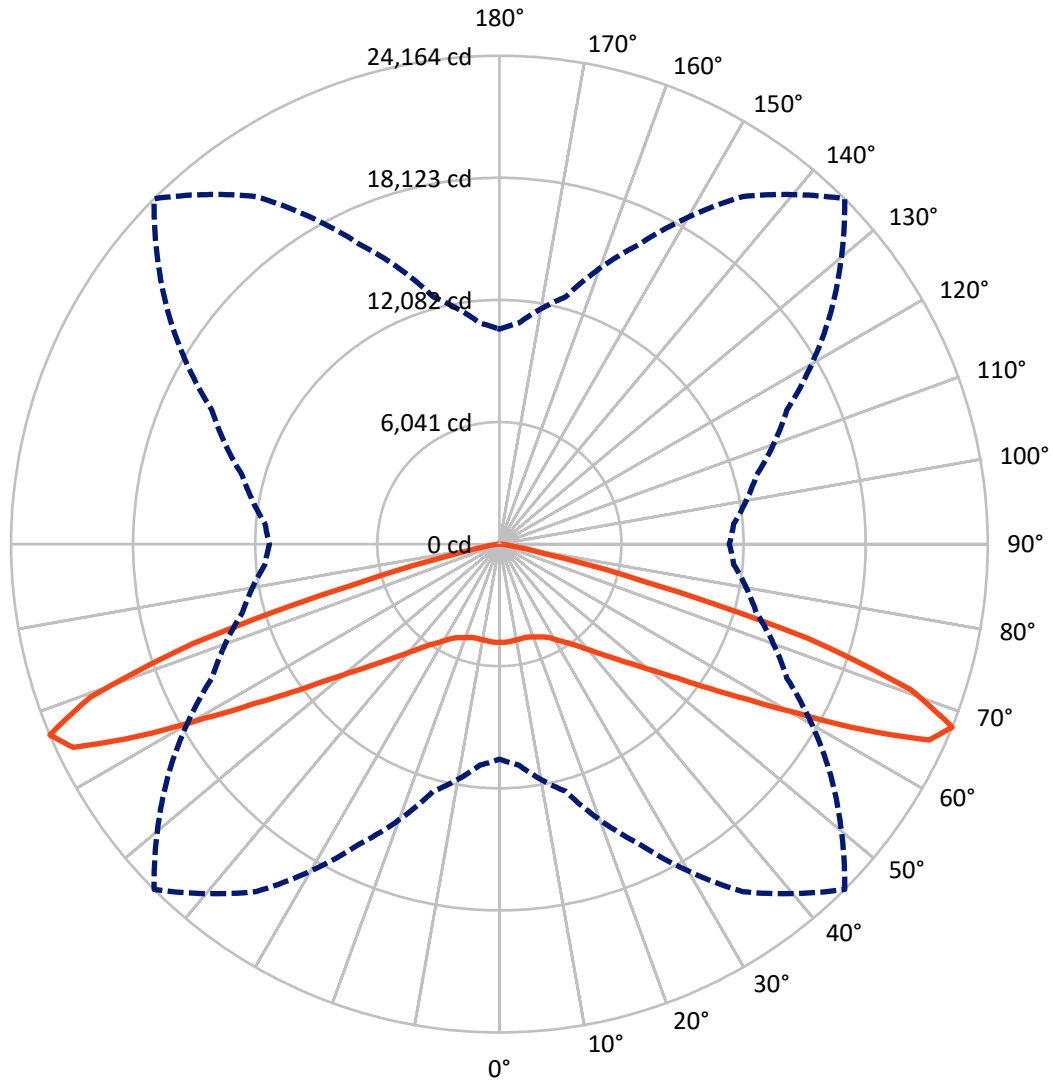
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23178.9	0.0	23178.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23178.9	0.0	23178.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	46357.8	0.0	46357.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.5	1.0
10°-20°	1349.7	2.9
20°-30°	2327.8	5.0
30°-40°	3785.1	8.2
40°-50°	6373.3	13.7
50°-60°	11292.3	24.4
60°-70°	16141.5	34.8
70°-80°	4430.2	9.6
80°-90°	198.5	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°	46357.8	100.0
0°-180°	46357.8	100.0

Coefficient of Utilization



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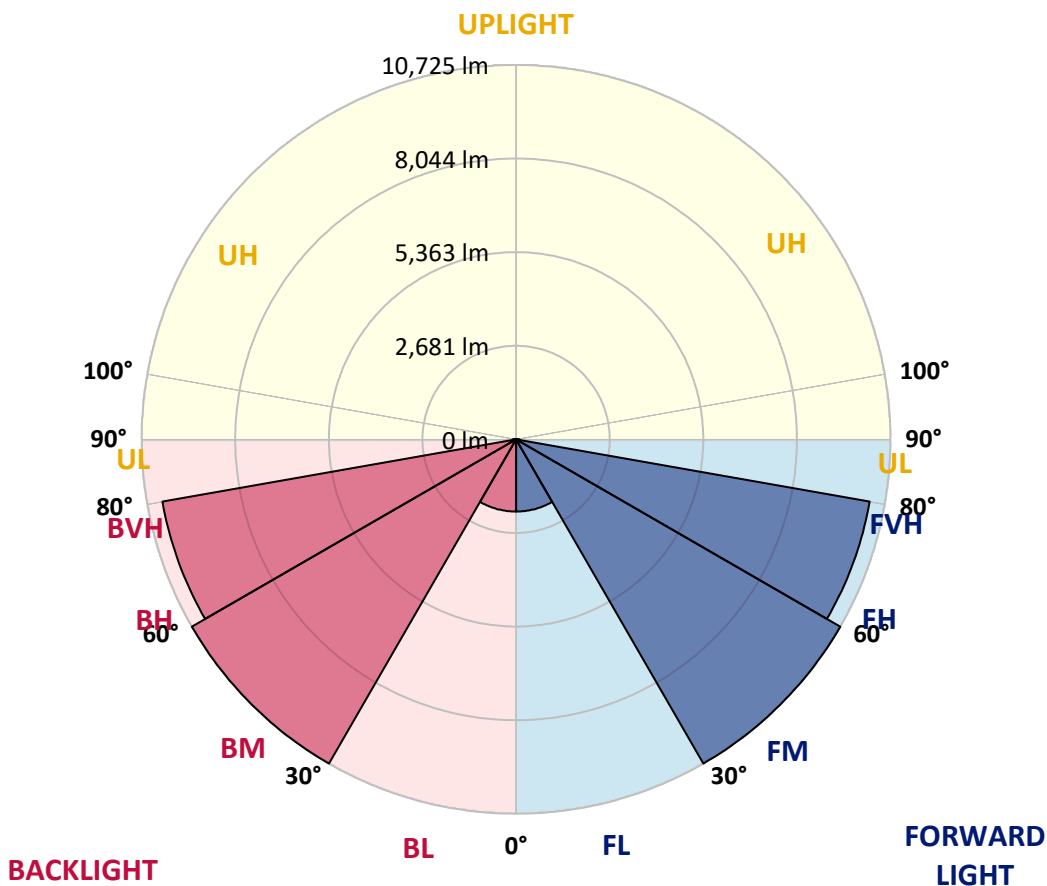
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2068.5	4.5			
FM (30°-60°)	10725.3	23.1			
FH (60°-80°)	10285.8	22.2			G4/12000
FVH (80°-90°)	99.2	0.2			G1/100
BL (0°-30°)	2068.5	4.5	B3/2500		
BM (30°-60°)	10725.3	23.1	B5		
BH (60°-80°)	10285.8	22.2	B5		G4/12000
BVH (80°-90°)	99.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2	4855.2
2.5°	4823.1	4819.9	4835.9	4845.5	4842.3	4864.8	4861.6	4855.2	4855.2	4845.5	4871.2
5°	4823.1	4819.9	4832.7	4835.9	4829.5	4848.7	4842.3	4835.9	4835.9	4823.1	4845.5
7.5°	4797.4	4800.6	4810.2	4816.7	4810.2	4826.3	4816.7	4803.8	4800.6	4787.8	4810.2
10°	4749.3	4752.5	4762.1	4778.1	4781.4	4810.2	4794.2	4771.7	4762.1	4749.3	4771.7
12.5°	4720.4	4723.6	4733.2	4752.5	4758.9	4797.4	4781.4	4746.1	4730.0	4717.2	4739.6
15°	4714.0	4717.2	4730.0	4749.3	4758.9	4797.4	4781.4	4739.6	4717.2	4701.1	4720.4
17.5°	4714.0	4720.4	4739.6	4768.5	4787.8	4826.3	4807.0	4758.9	4726.8	4697.9	4717.2
20°	4717.2	4726.8	4755.7	4797.4	4845.5	4900.1	4874.4	4810.2	4765.3	4730.0	4742.8
22.5°	4746.1	4762.1	4797.4	4852.0	4922.6	4986.7	4964.3	4877.6	4813.4	4765.3	4778.1
25°	4845.5	4852.0	4896.9	4967.5	5034.9	5089.4	5067.0	4986.7	4906.5	4848.7	4864.8
27.5°	5022.0	5038.1	5076.6	5150.4	5208.1	5237.0	5233.8	5179.3	5099.0	5047.7	5060.5
30°	5233.8	5249.9	5301.2	5384.6	5442.4	5474.5	5464.9	5423.1	5349.3	5278.7	5291.6
32.5°	5480.9	5487.3	5548.3	5641.4	5702.3	5750.5	5718.4	5673.4	5580.4	5497.0	5503.4
35°	5795.4	5805.0	5869.2	5955.8	6004.0	6042.5	6036.1	5991.1	5891.7	5801.8	5824.3
37.5°	6190.1	6196.5	6254.3	6363.4	6401.9	6430.8	6437.2	6414.7	6312.0	6196.5	6219.0
40°	6681.1	6684.3	6748.5	6844.7	6886.4	6905.7	6908.9	6912.1	6806.2	6719.6	6713.2
42.5°	7252.3	7268.3	7358.2	7451.2	7470.5	7460.8	7492.9	7525.0	7422.3	7303.6	7313.2
45°	7935.8	7945.4	8067.3	8170.0	8134.7	8102.6	8163.6	8227.8	8134.7	7980.7	7935.8
47.5°	8744.4	8763.7	8895.2	8997.9	8940.2	8882.4	8981.9	9049.3	8898.5	8734.8	8693.1
50°	9659.0	9671.8	9857.9	9986.3	9918.9	9813.0	9938.2	10008.8	9806.6	9604.4	9514.6
52.5°	10740.4	10714.7	10961.8	11186.4	11144.7	11006.7	11109.4	11122.3	10820.6	10535.0	10445.2
55°	12059.3	12033.6	12280.7	12527.8	12630.5	12595.2	12547.0	12470.0	12024.0	11719.1	11635.7
57.5°	13596.4	13516.2	13862.7	14196.5	14421.1	14485.3	14279.9	14100.2	13747.2	13371.8	13275.5
60°	15024.4	15021.2	15569.9	16147.5	16763.6	17020.3	16500.5	16012.7	15220.1	14536.6	14398.6
62.5°	15425.5	15492.9	16391.4	17822.6	19343.6	20251.8	18881.5	17267.4	15736.8	14706.7	14523.8
65°	14437.1	14604.0	15881.2	18140.3	21143.9	23364.5	20271.0	17296.3	15162.4	13878.8	13686.2
67.5°	10640.9	10974.7	12665.8	16368.9	20989.8	24163.5	20023.9	15695.0	13169.6	11642.1	11375.8
70°	5249.9	5567.6	6908.9	10769.3	17270.6	21599.5	17325.2	11828.2	8895.2	7425.5	7181.7
72.5°	1931.8	2060.2	2586.4	4608.1	9530.6	15955.0	11847.5	6607.3	4309.6	3430.4	3266.7
75°	946.6	969.1	1049.3	1546.7	3517.0	7509.0	5567.6	2535.1	1585.2	1379.9	1334.9
77.5°	603.3	612.9	651.4	738.1	1129.6	2365.0	1687.9	1001.2	776.6	744.5	744.5
80°	336.9	346.6	397.9	458.9	529.5	811.9	606.5	600.1	510.2	446.0	436.4
82.5°	160.4	176.5	253.5	250.3	279.2	407.5	356.2	324.1	327.3	247.1	234.3
85°	73.8	73.8	99.5	118.7	125.1	138.0	163.7	186.1	182.9	125.1	134.8
87.5°	35.3	35.3	35.3	32.1	28.9	25.7	35.3	57.8	83.4	57.8	54.6
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)