

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: P643295

Luminaire Tested: GWS-SA6E-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643295
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46770.2 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

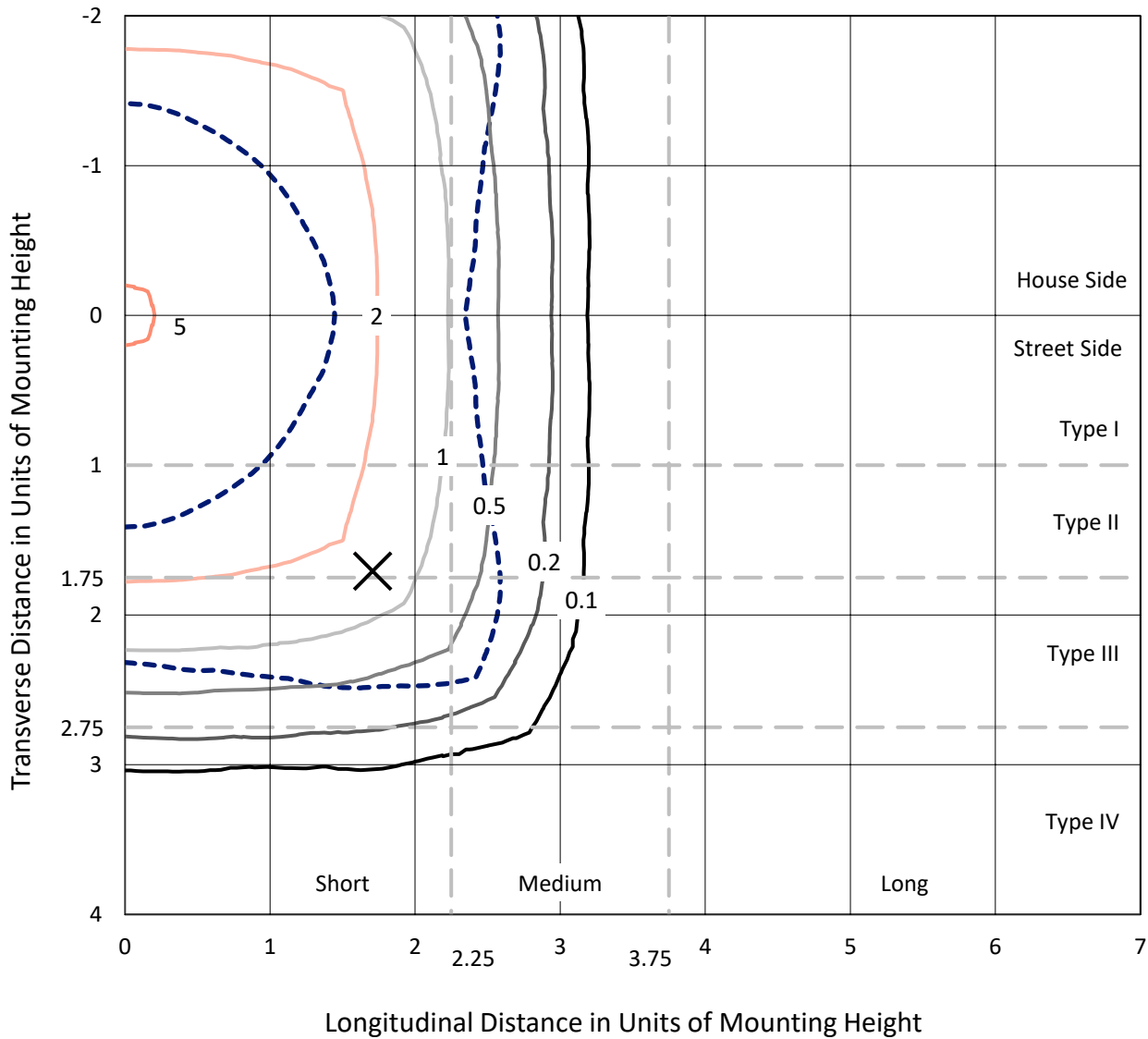
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643295
 CATALOG NUMBER: GWS-SA6E-760-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

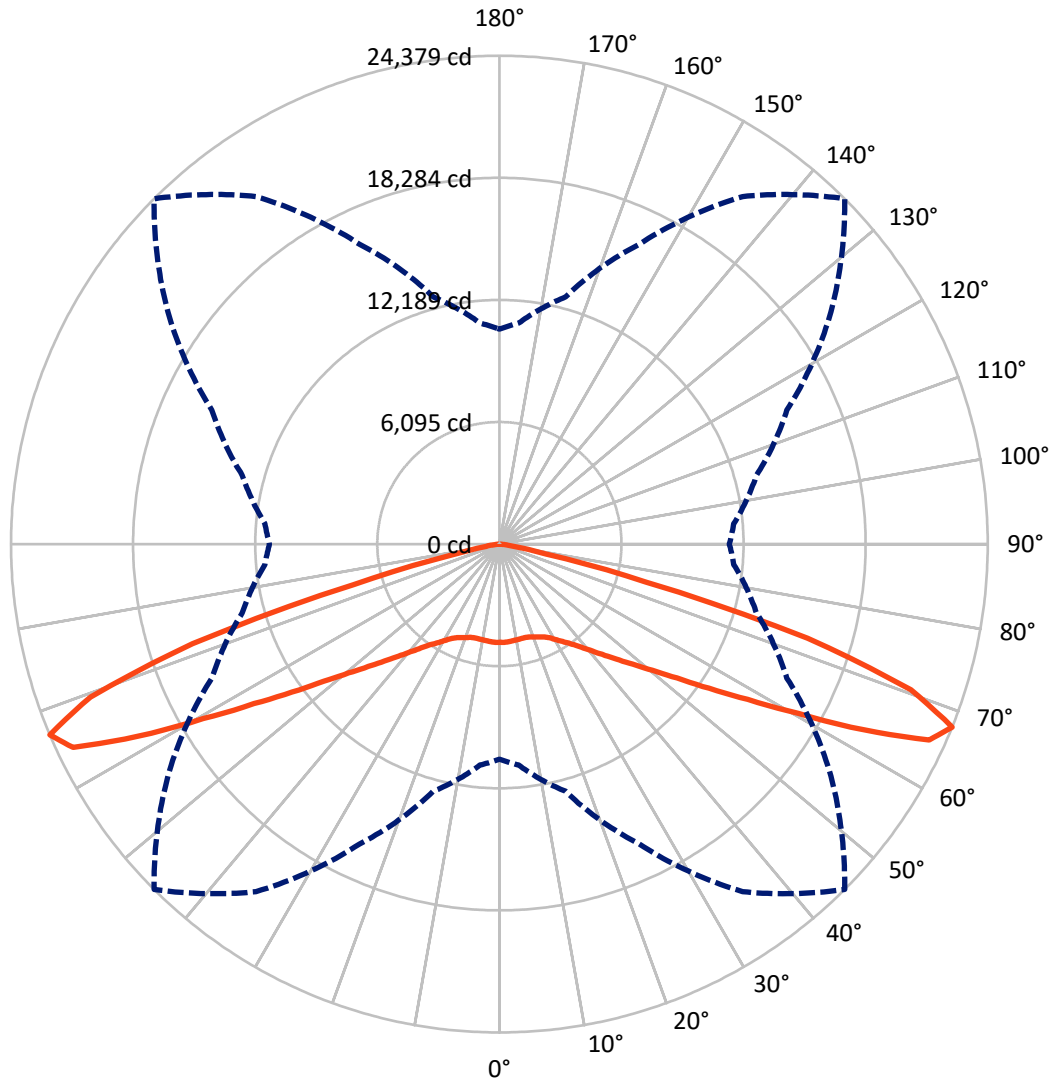
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P643295
CATALOG NUMBER: GWS-SA6E-760-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643295

CATALOG NUMBER: GWS-SA6E-760-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23385.1	0.0	23385.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23385.1	0.0	23385.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	46770.2	0.0	46770.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.6	1.0
10°-20°	1361.7	2.9
20°-30°	2348.5	5.0
30°-40°	3818.7	8.2
40°-50°	6430.0	13.7
50°-60°	11392.7	24.4
60°-70°	16285.1	34.8
70°-80°	4469.6	9.6
80°-90°	200.3	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°	46770.2	100.0
0°-180°	46770.2	100.0

Coefficient of Utilization



REPORT NUMBER: P643295

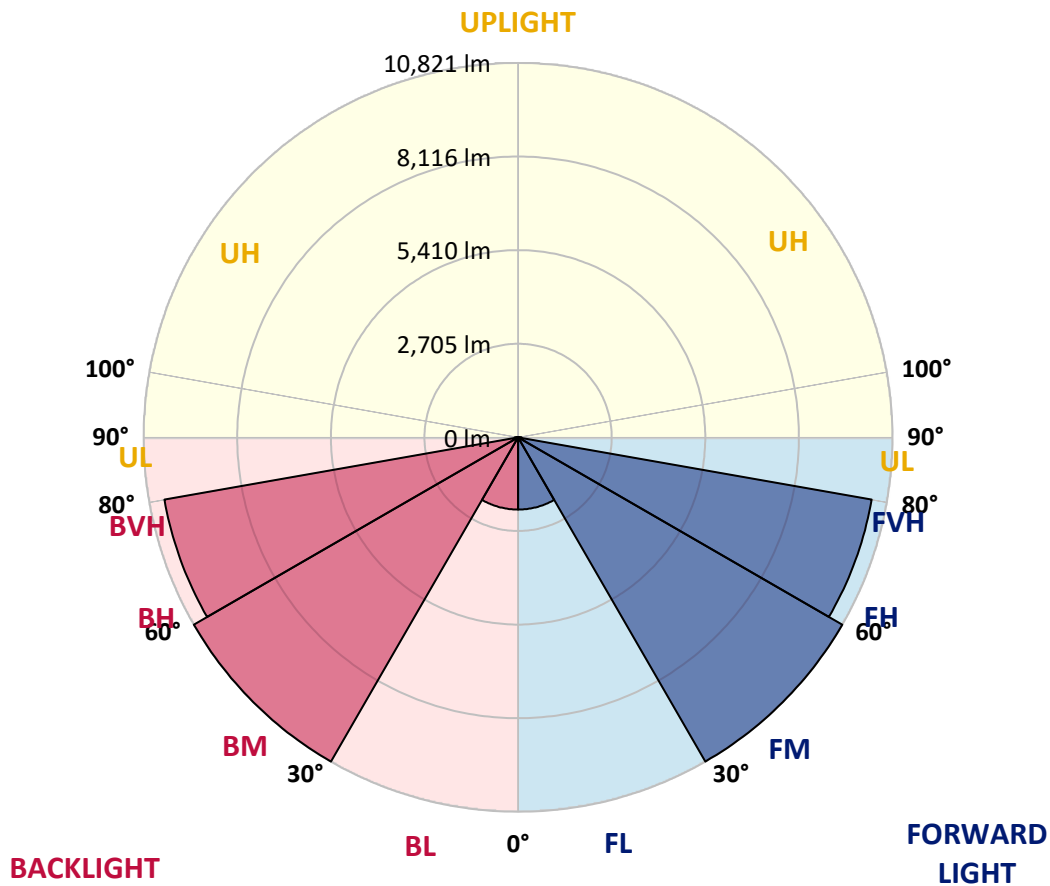
CATALOG NUMBER: GWS-SA6E-760-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2086.9	4.5			
FM (30°-60°)	10820.7	23.1			
FH (60°-80°)	10377.4	22.2			G4/12000
FVH (80°-90°)	100.1	0.2			G2/225
BL (0°-30°)	2086.9	4.5	B3/2500		
BM (30°-60°)	10820.7	23.1	B5		
BH (60°-80°)	10377.4	22.2	B5		G4/12000
BVH (80°-90°)	100.1	0.2			G2/225
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





REPORT NUMBER: P643295
 CATALOG NUMBER: GWS-SA6E-760-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4	4898.4
2.5°	4866.0	4862.7	4878.9	4888.6	4885.4	4908.1	4904.8	4898.4	4898.4	4888.6	4914.5
5°	4866.0	4862.7	4875.7	4878.9	4872.5	4891.9	4885.4	4878.9	4878.9	4866.0	4888.6
7.5°	4840.1	4843.3	4853.0	4859.5	4853.0	4869.2	4859.5	4846.6	4843.3	4830.4	4853.0
10°	4791.5	4794.8	4804.5	4820.7	4823.9	4853.0	4836.8	4814.2	4804.5	4791.5	4814.2
12.5°	4762.4	4765.6	4775.3	4794.8	4801.2	4840.1	4823.9	4788.3	4772.1	4759.1	4781.8
15°	4755.9	4759.1	4772.1	4791.5	4801.2	4840.1	4823.9	4781.8	4759.1	4743.0	4762.4
17.5°	4755.9	4762.4	4781.8	4810.9	4830.4	4869.2	4849.8	4801.2	4768.9	4739.7	4759.1
20°	4759.1	4768.9	4798.0	4840.1	4888.6	4943.7	4917.8	4853.0	4807.7	4772.1	4785.0
22.5°	4788.3	4804.5	4840.1	4895.1	4966.3	5031.1	5008.4	4921.0	4856.3	4807.7	4820.7
25°	4888.6	4895.1	4940.4	5011.7	5079.7	5134.7	5112.0	5031.1	4950.2	4891.9	4908.1
27.5°	5066.7	5082.9	5121.7	5196.2	5254.5	5283.6	5280.4	5225.3	5144.4	5092.6	5105.6
30°	5280.4	5296.6	5348.4	5432.5	5490.8	5523.2	5513.5	5471.4	5396.9	5325.7	5338.7
32.5°	5529.7	5536.1	5597.7	5691.5	5753.1	5801.6	5769.2	5723.9	5630.0	5545.9	5552.3
35°	5846.9	5856.7	5921.4	6008.8	6057.4	6096.2	6089.8	6044.4	5944.1	5853.4	5876.1
37.5°	6245.2	6251.6	6309.9	6420.0	6458.8	6488.0	6494.4	6471.8	6368.2	6251.6	6274.3
40°	6740.5	6743.7	6808.5	6905.6	6947.7	6967.1	6970.4	6973.6	6866.8	6779.3	6772.9
42.5°	7316.8	7333.0	7423.6	7517.5	7536.9	7527.2	7559.6	7592.0	7488.4	7368.6	7378.3
45°	8006.4	8016.1	8139.1	8242.7	8207.1	8174.7	8236.2	8301.0	8207.1	8051.7	8006.4
47.5°	8822.2	8841.6	8974.4	9078.0	9019.7	8961.4	9061.8	9129.8	8977.6	8812.5	8770.4
50°	9744.9	9757.9	9945.6	10075.1	10007.1	9900.3	10026.6	10097.8	9893.8	9689.9	9599.2
52.5°	10835.9	10810.0	11059.3	11286.0	11243.9	11104.7	11208.3	11221.2	10916.9	10628.7	10538.1
55°	12166.6	12140.7	12390.0	12639.2	12742.8	12707.2	12658.7	12581.0	12131.0	11823.4	11739.2
57.5°	13717.3	13636.4	13986.0	14322.7	14549.4	14614.1	14406.9	14225.6	13869.5	13490.7	13393.6
60°	15158.0	15154.8	15708.4	16291.2	16912.8	17171.8	16647.3	16155.2	15355.5	14665.9	14526.7
62.5°	15562.7	15630.7	16537.2	17981.1	19515.7	20431.9	19049.5	17421.0	15876.8	14837.5	14653.0
65°	14565.6	14733.9	16022.4	18301.7	21332.0	23572.3	20451.4	17450.2	15297.2	14002.2	13808.0
67.5°	10735.6	11072.3	12778.5	16514.5	21176.6	24378.5	20202.1	15834.7	13286.7	11745.7	11477.0
70°	5296.6	5617.1	6970.4	10865.1	17424.3	21791.7	17479.3	11933.5	8974.4	7491.6	7245.6
72.5°	1949.0	2078.5	2609.4	4649.1	9615.4	16096.9	11952.9	6666.0	4348.0	3460.9	3295.8
75°	955.1	977.7	1058.7	1560.5	3548.3	7575.8	5617.1	2557.6	1599.3	1392.1	1346.8
77.5°	608.7	618.4	657.2	744.6	1139.6	2386.0	1702.9	1010.1	783.5	751.1	751.1
80°	339.9	349.7	401.5	463.0	534.2	819.1	611.9	605.4	514.8	450.0	440.3
82.5°	161.9	178.1	255.8	252.5	281.7	411.2	359.4	327.0	330.2	249.3	236.3
85°	74.5	74.5	100.4	119.8	126.3	139.2	165.1	187.8	184.5	126.3	136.0
87.5°	35.6	35.6	35.6	32.4	29.1	25.9	35.6	58.3	84.2	58.3	55.0
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)