

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: P643128

Luminaire Tested: GWS-SA6E-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26975.8 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

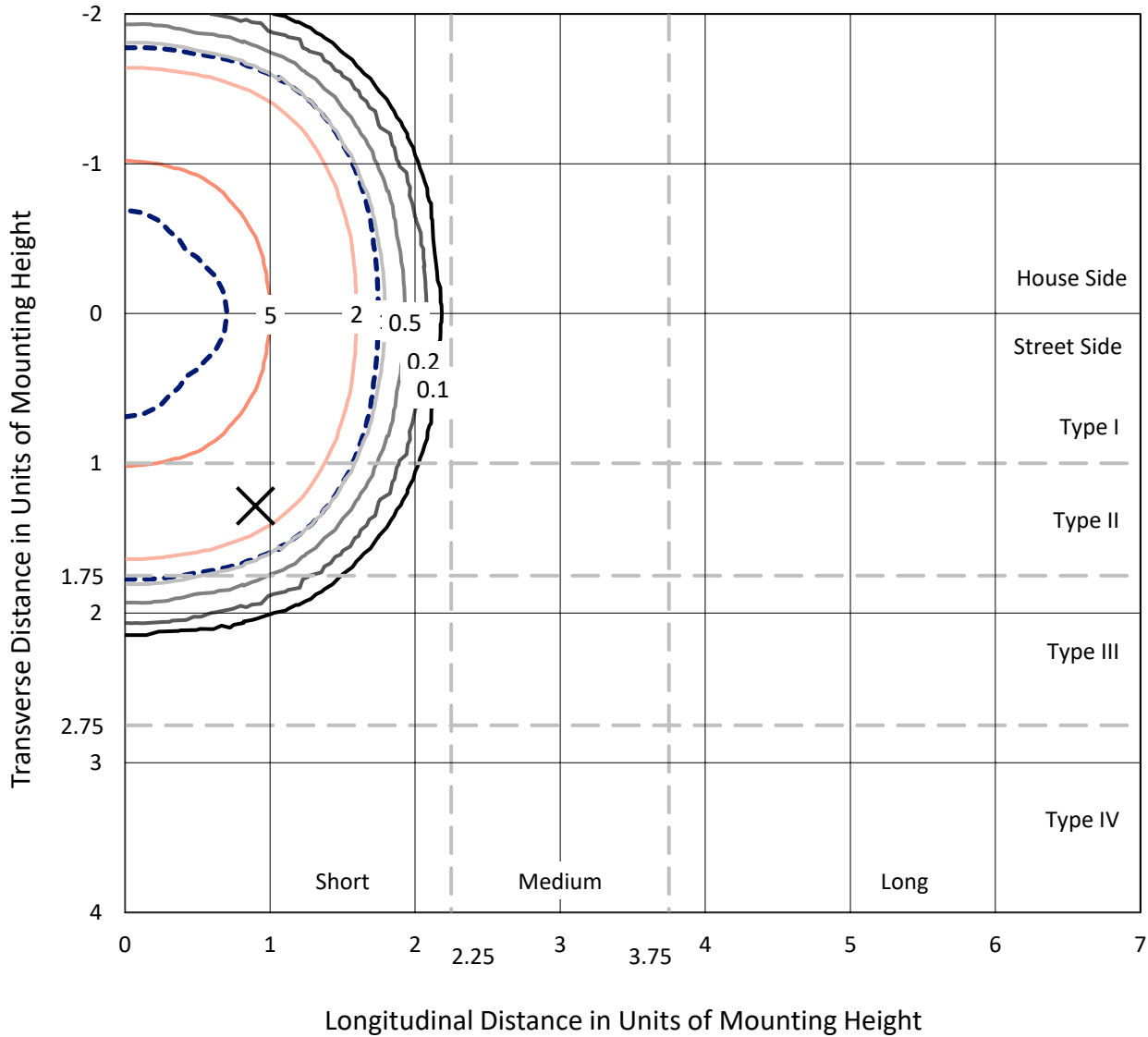
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643128
 CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

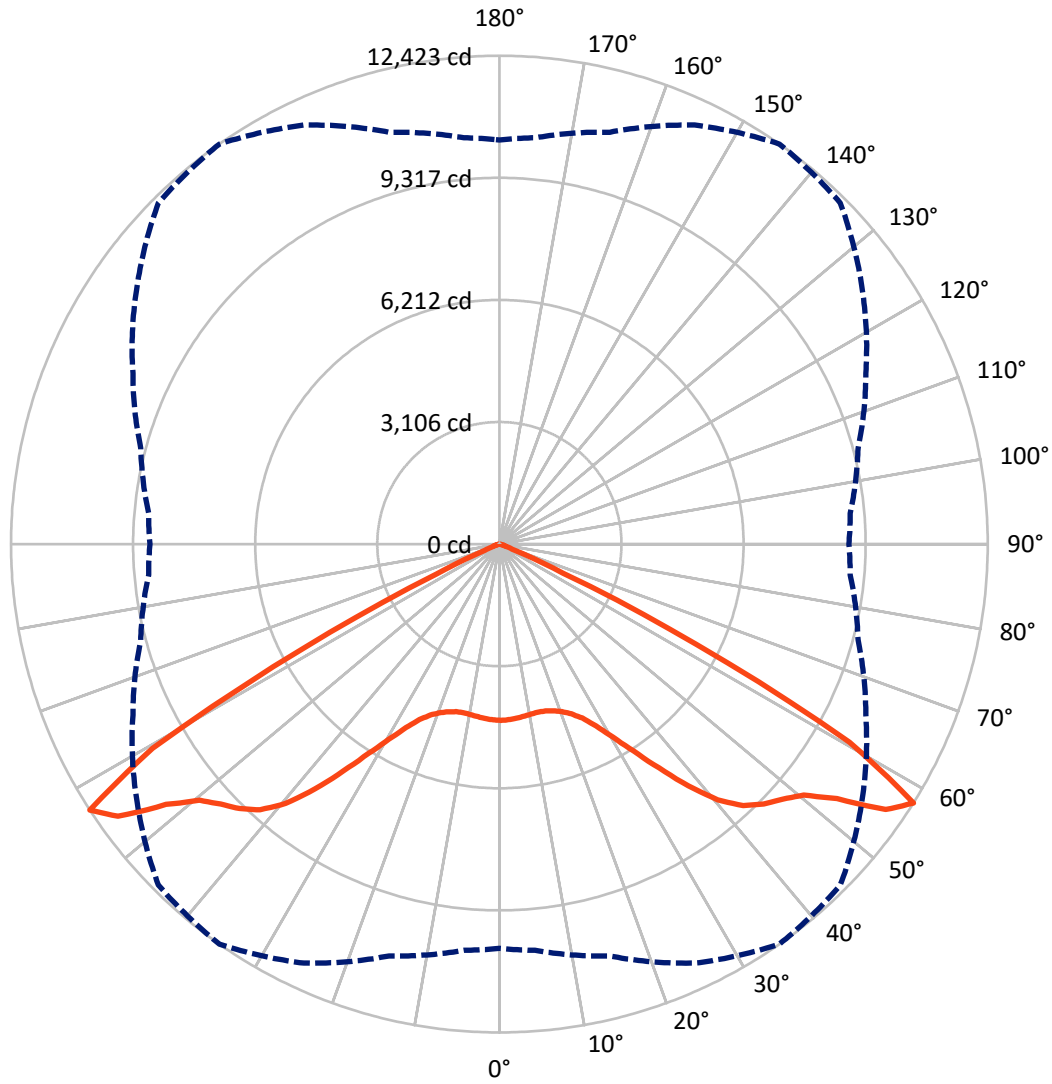
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

REPORT NUMBER: P643128
CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643128

CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13487.9	0.0	13487.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13487.9	0.0	13487.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	26975.8	0.0	26975.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.6	1.6
10°-20°	1243.0	4.6
20°-30°	2246.7	8.3
30°-40°	4191.5	15.5
40°-50°	7031.3	26.1
50°-60°	9285.5	34.4
60°-70°	2466.0	9.1
70°-80°	87.6	0.3
80°-90°	1.6	0.0
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°	26975.8	100.0
0°-180°	26975.8	100.0

Coefficient of Utilization



REPORT NUMBER: P643128

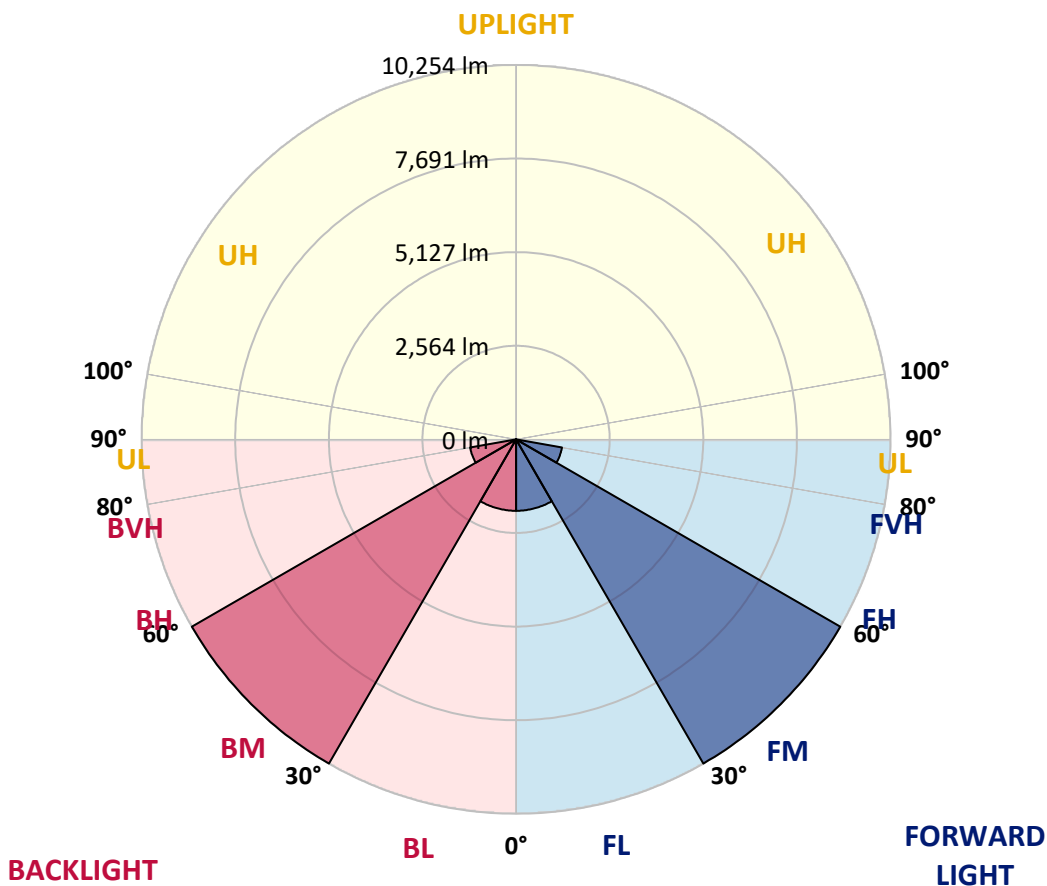
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.1	7.3			
FM (30°-60°)	10254.2	38.0			
FH (60°-80°)	1276.8	4.7			G1/1800
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1956.1	7.3	B3/2500		
BM (30°-60°)	10254.2	38.0	B5		
BH (60°-80°)	1276.8	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P643128

CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0	4485.0
2.5°	4453.3	4450.2	4462.8	4472.3	4472.3	4494.5	4488.1	4481.8	4475.5	4466.0	4488.1
5°	4447.0	4443.8	4453.3	4459.6	4453.3	4472.3	4459.6	4447.0	4440.7	4428.0	4453.3
7.5°	4418.5	4421.7	4428.0	4434.3	4424.8	4440.7	4424.8	4405.8	4390.0	4377.4	4399.5
10°	4374.2	4377.4	4383.7	4396.3	4399.5	4421.7	4399.5	4364.7	4342.5	4323.5	4345.7
12.5°	4352.0	4355.2	4364.7	4380.5	4383.7	4412.2	4383.7	4333.0	4301.4	4279.2	4301.4
15°	4358.4	4364.7	4377.4	4396.3	4402.7	4431.2	4393.2	4326.7	4282.4	4253.9	4272.9
17.5°	4380.5	4386.9	4405.8	4437.5	4459.6	4488.1	4440.7	4355.2	4295.1	4253.9	4272.9
20°	4409.0	4418.5	4450.2	4500.8	4548.3	4598.9	4538.8	4421.7	4342.5	4291.9	4307.7
22.5°	4488.1	4497.6	4541.9	4608.4	4687.5	4750.8	4678.0	4529.3	4421.7	4355.2	4371.0
25°	4649.6	4659.1	4716.0	4801.5	4902.8	4985.1	4893.3	4706.5	4567.3	4491.3	4497.6
27.5°	4902.8	4912.3	4978.7	5099.0	5235.1	5352.2	5219.3	5000.9	4842.6	4754.0	4754.0
30°	5222.4	5235.1	5323.7	5485.1	5697.2	5852.3	5671.9	5406.0	5203.5	5083.2	5086.3
32.5°	5633.9	5621.2	5747.9	5969.4	6270.1	6475.8	6210.0	5887.1	5637.1	5469.3	5485.1
35°	6162.5	6159.3	6301.7	6602.4	6994.9	7241.8	6925.3	6507.5	6206.8	6035.9	6039.0
37.5°	6843.0	6839.8	7004.4	7330.4	7802.0	8007.7	7653.3	7229.1	6906.3	6741.7	6760.7
40°	7640.6	7621.6	7767.2	8080.5	8552.1	8685.1	8298.9	7957.1	7646.9	7542.5	7593.1
42.5°	8400.2	8359.1	8444.5	8729.4	9093.4	9112.4	8821.2	8587.0	8374.9	8292.6	8324.3
45°	9011.1	8979.4	9058.6	9223.1	9432.0	9337.1	9197.8	9125.0	8954.1	8865.5	8894.0
47.5°	9466.9	9466.9	9561.8	9663.1	9694.8	9520.7	9542.8	9542.8	9371.9	9232.6	9197.8
50°	9859.3	9887.8	10030.3	10134.7	10030.3	9808.7	9935.3	9910.0	9561.8	9283.3	9210.5
52.5°	10486.0	10514.5	10732.9	10875.3	10758.2	10539.8	10555.7	10239.2	9726.4	9397.2	9283.3
55°	11150.7	11220.3	11536.8	11916.7	11919.8	11695.1	11277.3	10717.1	10093.6	9735.9	9618.8
57.5°	10280.3	10375.3	10846.9	11761.6	12423.1	12268.0	11271.0	10286.6	9444.7	8957.3	8890.8
60°	7074.0	7238.6	7710.2	8960.4	10236.0	10296.1	9118.7	8014.1	7048.7	6447.3	6460.0
62.5°	2987.9	3155.6	3421.5	4450.2	5621.2	5694.0	5124.3	4333.0	3544.9	3111.3	3177.8
65°	702.7	750.1	829.3	1231.2	1785.1	1867.4	1721.8	1342.0	990.7	838.8	854.6
67.5°	307.0	313.3	297.5	316.5	392.5	402.0	389.3	341.8	322.8	329.2	329.2
70°	215.2	218.4	205.7	196.2	186.7	174.1	180.4	199.4	215.2	227.9	224.7
72.5°	132.9	136.1	139.3	139.3	129.8	117.1	123.4	136.1	139.3	142.4	139.3
75°	66.5	69.6	76.0	79.1	76.0	72.8	72.8	76.0	76.0	72.8	72.8
77.5°	12.7	15.8	22.2	25.3	25.3	25.3	25.3	25.3	28.5	25.3	25.3
80°	3.2	3.2	6.3	3.2	3.2	3.2	3.2	3.2	3.2	6.3	6.3
82.5°	3.2	3.2	3.2	3.2	0.0	0.0	3.2	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
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)