

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: P638344

Luminaire Tested: GWS-SA4E-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638344
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-SA4E-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27033.6 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

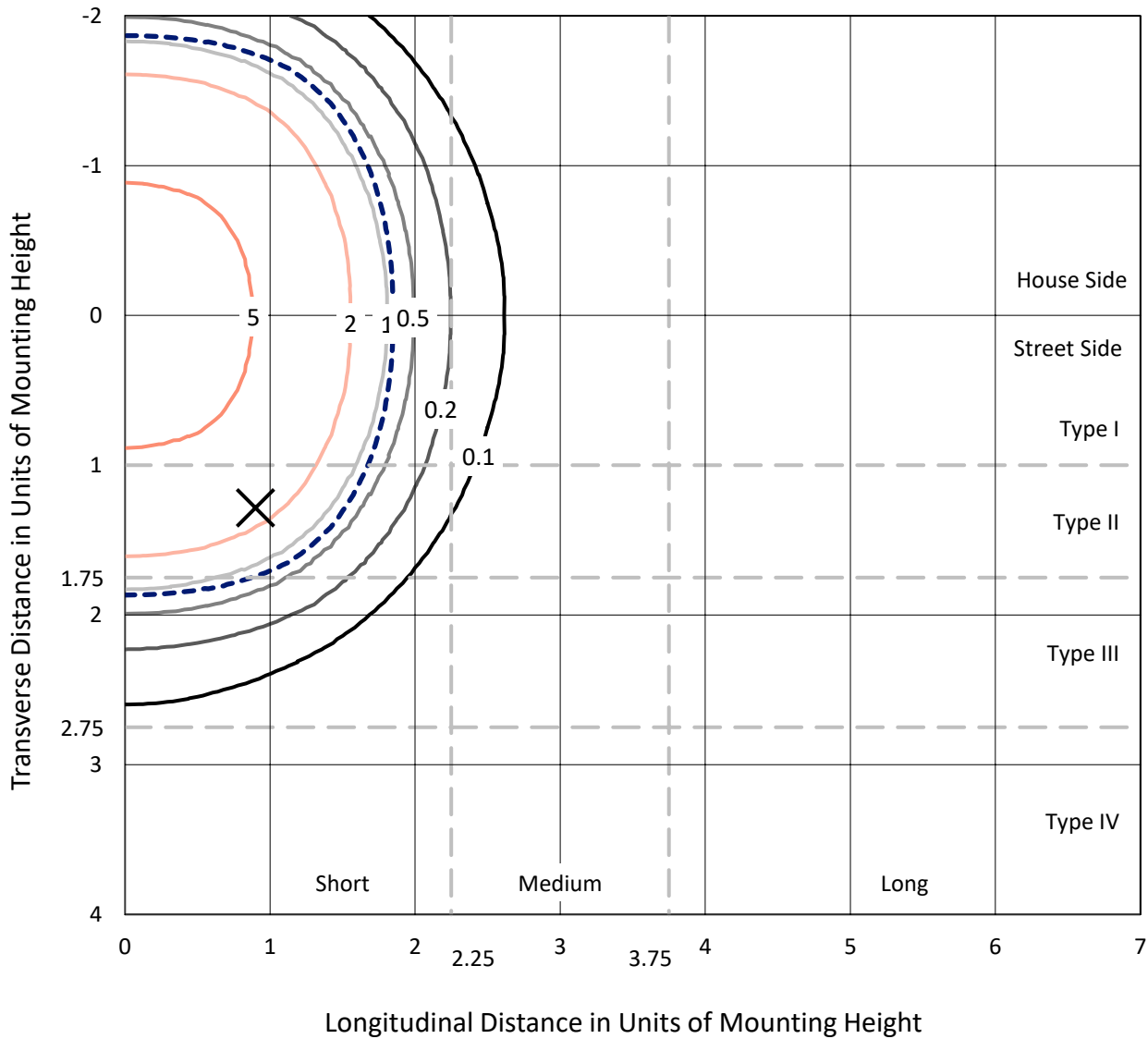
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

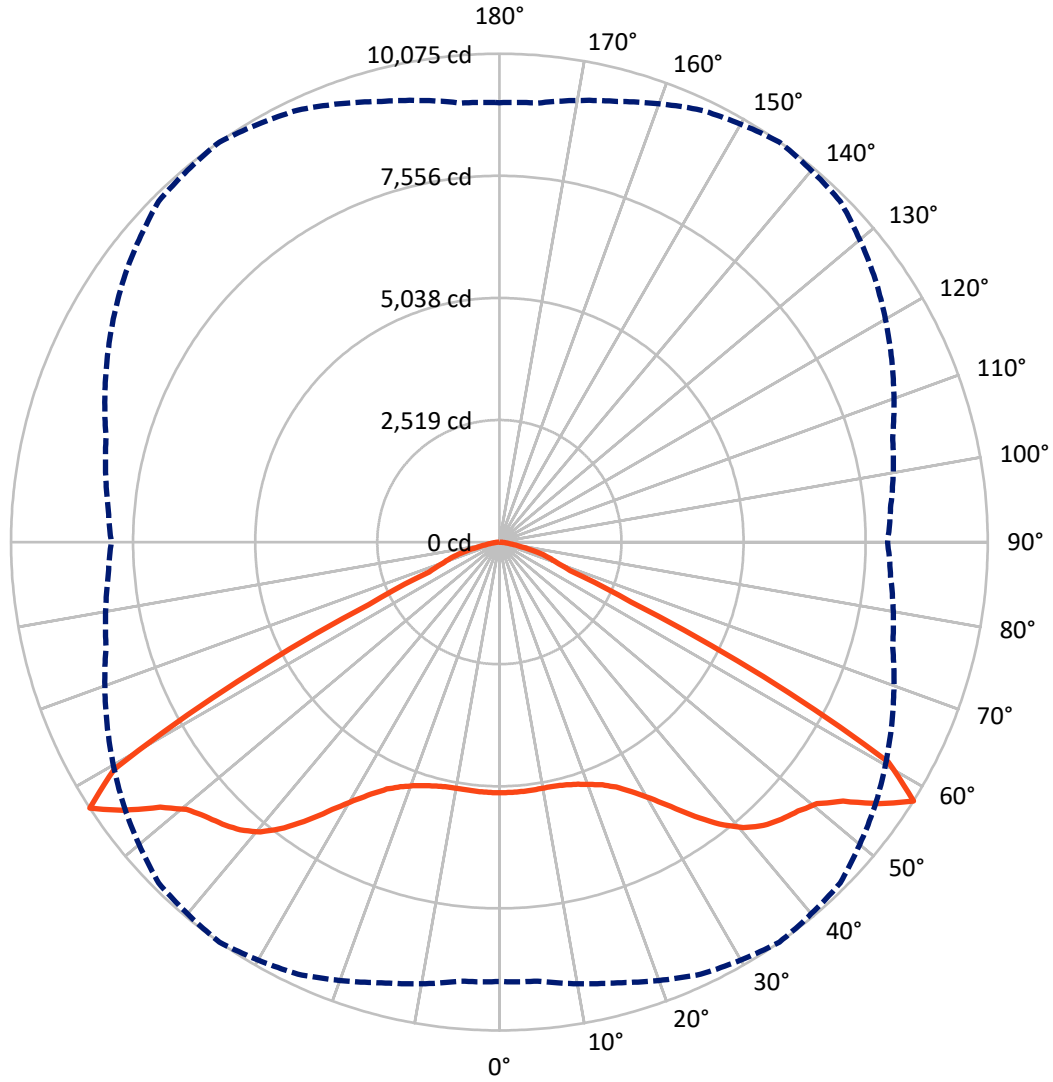
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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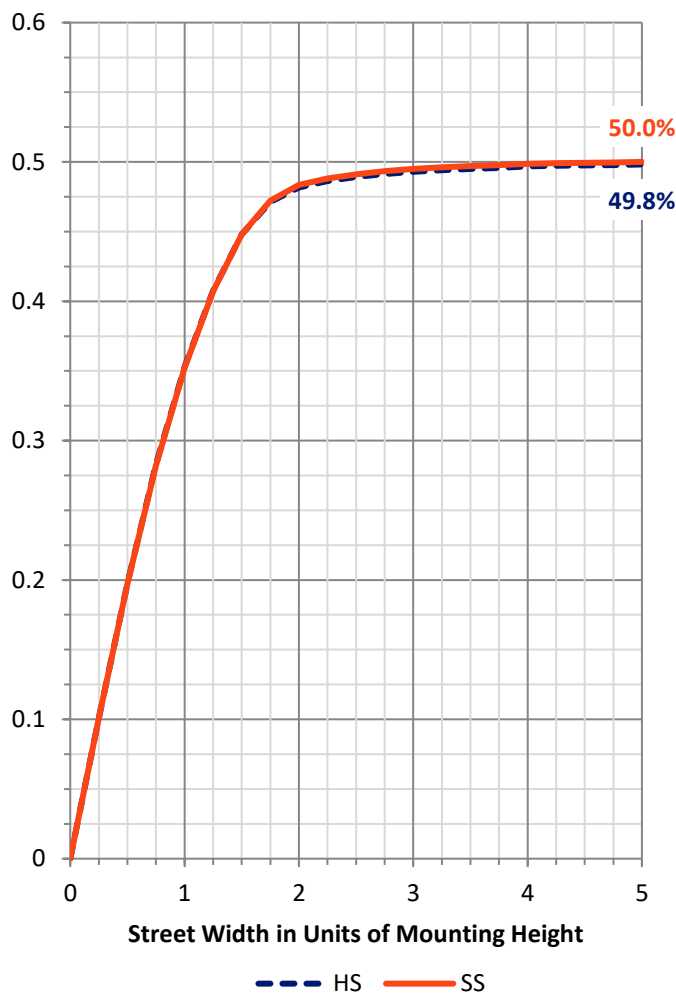
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13516.8	0.0	13516.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13516.8	0.0	13516.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	27033.6	0.0	27033.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.1	1.8
10°-20°	1468.1	5.4
20°-30°	2561.6	9.5
30°-40°	4200.5	15.5
40°-50°	6186.3	22.9
50°-60°	7894.8	29.2
60°-70°	3327.2	12.3
70°-80°	794.8	2.9
80°-90°	108.2	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°	27033.6	100.0
0°-180°	27033.6	100.0

Coefficient of Utilization



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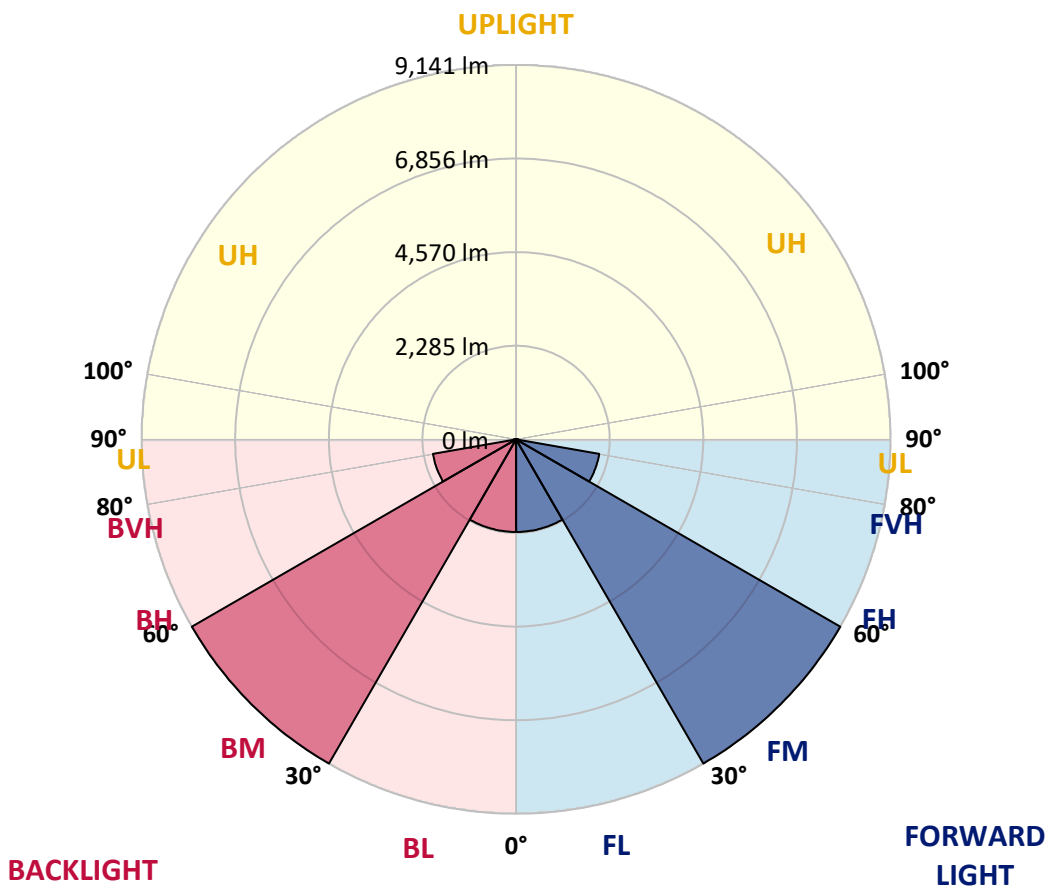
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2260.9	8.4			
FM (30°-60°)	9140.8	33.8			
FH (60°-80°)	2061.0	7.6			G2/5000
FVH (80°-90°)	54.1	0.2			G1/100
BL (0°-30°)	2260.9	8.4	B3/2500		
BM (30°-60°)	9140.8	33.8	B5		
BH (60°-80°)	2061.0	7.6	B3/2500		G2/5000
BVH (80°-90°)	54.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6	5172.6
2.5°	5141.6	5141.6	5152.6	5163.7	5168.1	5188.1	5185.9	5179.2	5174.8	5161.5	5179.2
5°	5152.6	5152.6	5161.5	5168.1	5165.9	5181.4	5174.8	5163.7	5157.1	5143.8	5163.7
7.5°	5150.4	5150.4	5157.1	5163.7	5159.3	5172.6	5161.5	5146.0	5134.9	5121.7	5139.4
10°	5121.7	5126.1	5132.7	5148.2	5154.9	5174.8	5159.3	5134.9	5117.2	5101.7	5119.4
12.5°	5117.2	5121.7	5130.5	5150.4	5161.5	5190.3	5170.4	5130.5	5104.0	5084.0	5101.7
15°	5137.2	5141.6	5154.9	5179.2	5196.9	5227.9	5199.1	5143.8	5106.2	5079.6	5095.1
17.5°	5161.5	5168.1	5188.1	5223.5	5252.3	5285.5	5250.0	5183.6	5130.5	5095.1	5108.4
20°	5188.1	5196.9	5227.9	5281.0	5334.1	5376.2	5331.9	5243.4	5179.2	5132.7	5146.0
22.5°	5234.5	5245.6	5285.5	5360.7	5440.4	5502.4	5447.0	5327.5	5243.4	5183.6	5194.7
25°	5329.7	5343.0	5393.9	5484.7	5597.5	5672.8	5595.3	5460.3	5343.0	5270.0	5281.0
27.5°	5497.9	5504.6	5571.0	5690.5	5829.9	5916.3	5823.3	5663.9	5533.3	5449.2	5458.1
30°	5719.3	5739.2	5805.6	5962.7	6128.7	6243.8	6122.1	5934.0	5783.5	5681.6	5690.5
32.5°	5989.3	6002.6	6102.2	6266.0	6505.0	6637.8	6471.8	6248.3	6066.8	5942.8	5951.7
35°	6343.4	6354.5	6449.7	6657.7	6947.7	7071.6	6881.3	6624.5	6414.3	6296.9	6330.1
37.5°	6766.2	6786.1	6854.7	7060.5	7383.7	7505.4	7286.3	7047.3	6828.1	6719.7	6744.0
40°	7219.9	7217.7	7273.0	7454.5	7748.9	7824.1	7627.2	7436.8	7248.7	7177.9	7217.7
42.5°	7609.5	7598.4	7638.2	7788.7	7992.4	7999.0	7868.4	7762.2	7629.4	7580.7	7618.3
45°	7881.7	7886.1	7945.9	8049.9	8153.9	8098.6	8058.8	8041.1	7937.0	7870.6	7877.3
47.5°	8096.4	8114.1	8209.3	8280.1	8293.4	8200.4	8255.7	8282.3	8196.0	8094.2	8065.4
50°	8286.7	8315.5	8439.5	8514.7	8485.9	8368.6	8477.1	8516.9	8326.6	8131.8	8074.3
52.5°	8632.0	8665.2	8815.7	8913.1	8879.9	8762.6	8864.4	8722.8	8401.8	8162.8	8089.7
55°	9183.1	9198.6	9382.3	9541.7	9526.2	9382.3	9300.4	8986.2	8596.6	8348.7	8280.1
57.5°	9065.8	9092.4	9411.1	9836.1	10075.1	9944.5	9464.2	8928.6	8399.6	8100.8	8007.9
60°	7133.6	7197.8	7594.0	8342.1	9218.6	9216.3	8324.4	7492.1	6854.7	6458.5	6418.7
62.5°	4165.5	4209.8	4570.5	5327.5	6113.2	6161.9	5535.6	4964.5	4406.8	4138.9	4010.6
65°	1972.1	1969.9	2113.7	2454.6	2985.8	3027.8	2839.7	2527.6	2197.8	2107.1	2082.8
67.5°	1456.4	1456.4	1445.3	1469.7	1571.5	1593.6	1571.5	1520.6	1489.6	1509.5	1496.2
70°	1263.8	1266.0	1252.7	1246.1	1246.1	1239.5	1248.3	1268.2	1281.5	1308.1	1294.8
72.5°	1024.8	1027.0	1027.0	1029.2	1031.4	1022.6	1035.8	1046.9	1049.1	1058.0	1049.1
75°	728.2	732.6	745.9	757.0	765.8	765.8	770.2	772.5	763.6	774.7	757.0
77.5°	400.6	405.0	429.4	449.3	469.2	471.4	478.1	482.5	478.1	486.9	473.7
80°	221.3	225.8	236.8	245.7	261.2	274.5	283.3	287.7	287.7	294.4	287.7
82.5°	126.2	130.6	137.2	141.7	154.9	166.0	174.9	181.5	181.5	183.7	179.3
85°	59.8	59.8	64.2	68.6	75.3	79.7	90.7	97.4	97.4	101.8	97.4
87.5°	8.9	11.1	13.3	13.3	17.7	22.1	26.6	28.8	33.2	35.4	35.4
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)