

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: P638179

Luminaire Tested: GWS-SA4E-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638179
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26428 lumens
Efficiency: N/A
Efficacy: 130.4 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

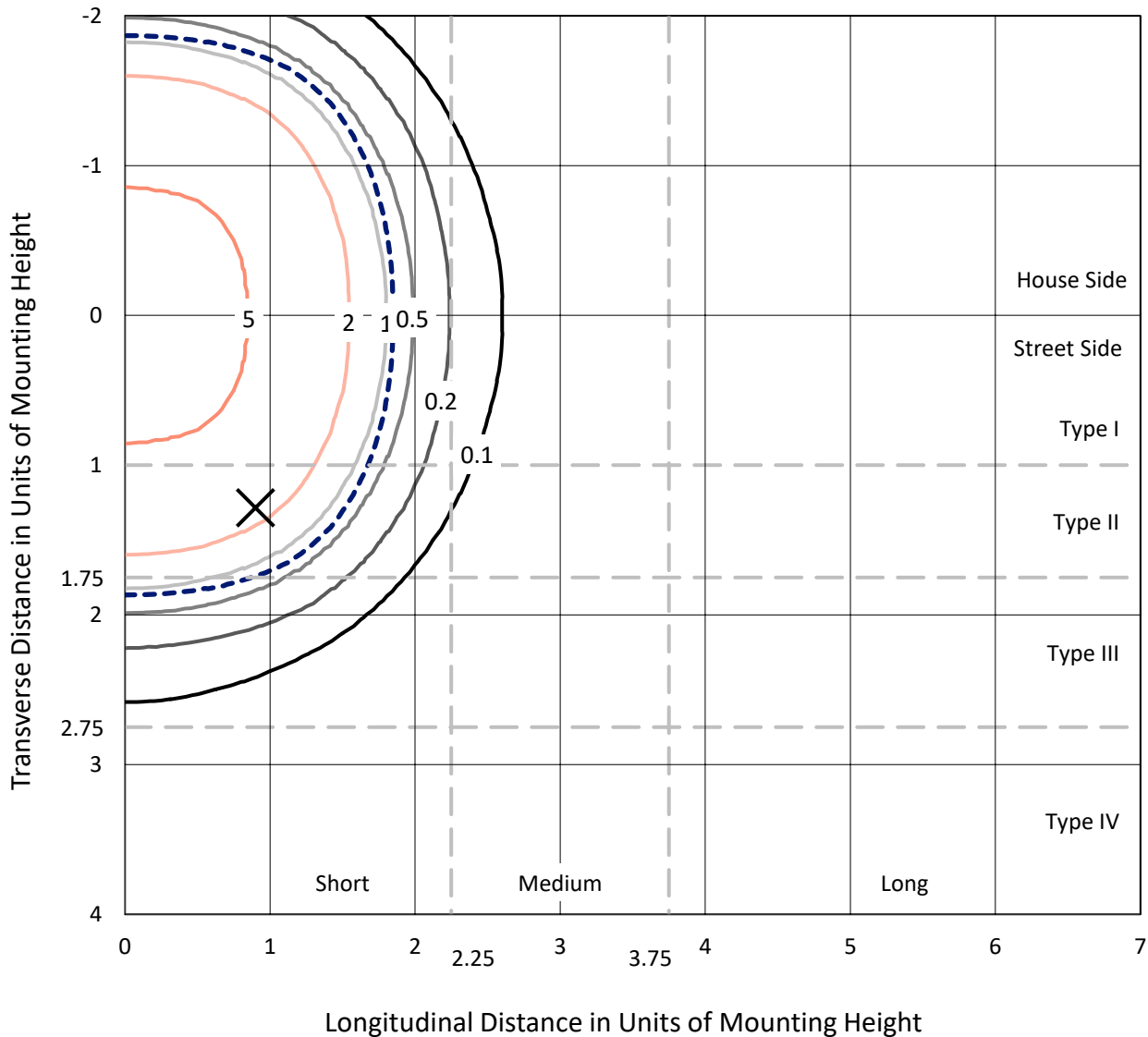


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Iso-Footcandle Lines of Horizontal Illumination

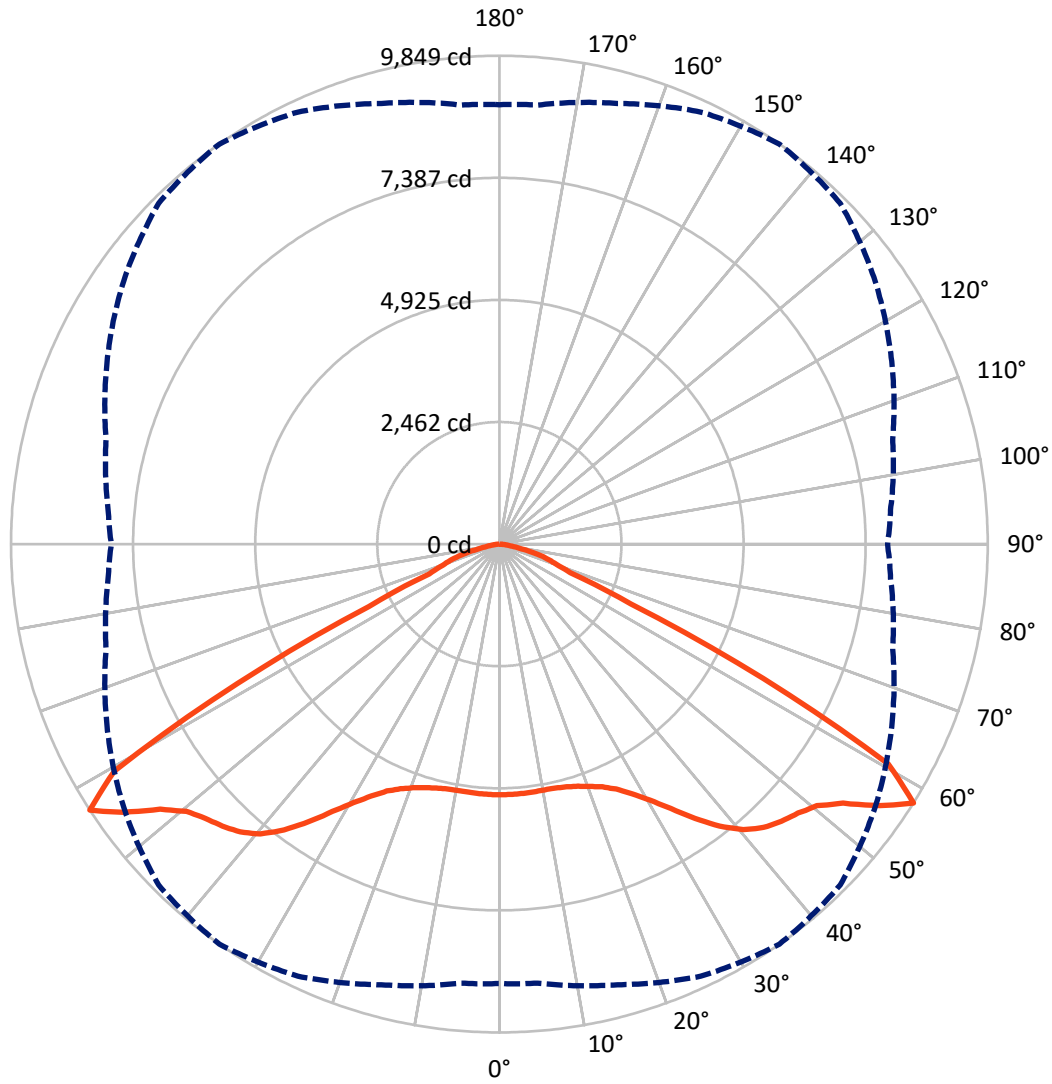
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	13214.0	0.0	13214.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13214.0	0.0	13214.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26428.0	0.0	26428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.1	1.8
10°-20°	1435.2	5.4
20°-30°	2504.2	9.5
30°-40°	4106.4	15.5
40°-50°	6047.7	22.9
50°-60°	7717.9	29.2
60°-70°	3252.7	12.3
70°-80°	777.0	2.9
80°-90°	105.8	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°	26428.0	100.0
0°-180°	26428.0	100.0

Coefficient of Utilization



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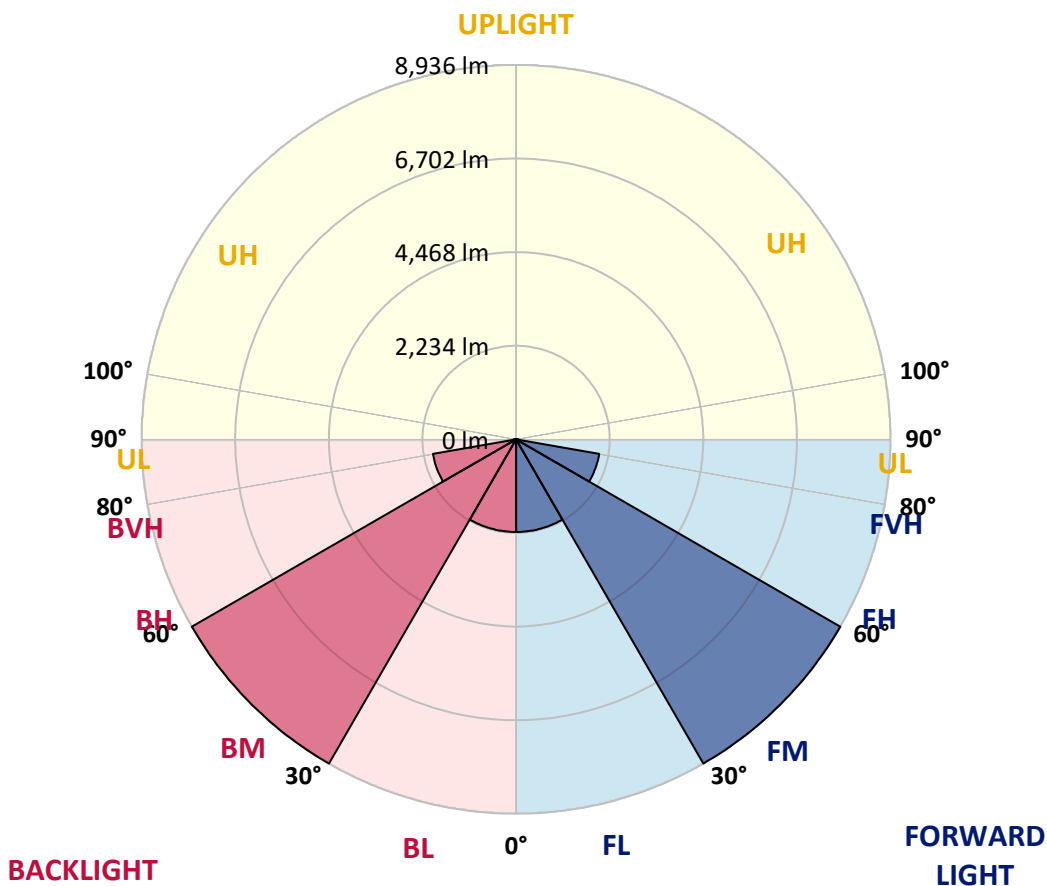
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2210.3	8.4			
FM (30°-60°)	8936.0	33.8			
FH (60°-80°)	2014.8	7.6			G2/5000
FVH (80°-90°)	52.9	0.2			G1/100
BL (0°-30°)	2210.3	8.4	B3/2500		
BM (30°-60°)	8936.0	33.8	B5		
BH (60°-80°)	2014.8	7.6	B3/2500		G2/5000
BVH (80°-90°)	52.9	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°	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7	5056.7
2.5°	5026.4	5026.4	5037.2	5048.0	5052.4	5071.8	5069.7	5063.2	5058.9	5045.9	5063.2
5°	5037.2	5037.2	5045.9	5052.4	5050.2	5065.4	5058.9	5048.0	5041.5	5028.6	5048.0
7.5°	5035.1	5035.1	5041.5	5048.0	5043.7	5056.7	5045.9	5030.7	5019.9	5006.9	5024.2
10°	5006.9	5011.3	5017.7	5032.9	5039.4	5058.9	5043.7	5019.9	5002.6	4987.5	5004.8
12.5°	5002.6	5006.9	5015.6	5035.1	5045.9	5074.0	5054.5	5015.6	4989.6	4970.1	4987.5
15°	5022.1	5026.4	5039.4	5063.2	5080.5	5110.8	5082.7	5028.6	4991.8	4965.8	4981.0
17.5°	5045.9	5052.4	5071.8	5106.5	5134.6	5167.0	5132.4	5067.5	5015.6	4981.0	4993.9
20°	5071.8	5080.5	5110.8	5162.7	5214.6	5255.8	5212.5	5125.9	5063.2	5017.7	5030.7
22.5°	5117.3	5128.1	5167.0	5240.6	5318.5	5379.1	5325.0	5208.2	5125.9	5067.5	5078.3
25°	5210.3	5223.3	5273.1	5361.8	5472.1	5545.7	5470.0	5338.0	5223.3	5151.9	5162.7
27.5°	5374.8	5381.3	5446.2	5563.0	5699.3	5783.7	5692.8	5537.0	5409.4	5327.2	5335.8
30°	5591.1	5610.6	5675.5	5829.2	5991.4	6104.0	5984.9	5801.0	5653.9	5554.4	5563.0
32.5°	5855.1	5868.1	5965.5	6125.6	6359.3	6489.1	6326.8	6108.3	5930.9	5809.7	5818.3
35°	6201.3	6212.1	6305.2	6508.6	6792.0	6913.2	6727.1	6476.1	6270.6	6155.9	6188.3
37.5°	6614.6	6634.1	6701.1	6902.4	7218.3	7337.3	7123.1	6889.4	6675.2	6569.2	6593.0
40°	7058.2	7056.0	7110.1	7287.5	7575.3	7648.9	7456.3	7270.2	7086.3	7017.1	7056.0
42.5°	7439.0	7428.2	7467.1	7614.3	7813.3	7819.8	7692.1	7588.3	7458.5	7410.9	7447.6
45°	7705.1	7709.5	7767.9	7869.6	7971.3	7917.2	7878.2	7860.9	7759.2	7694.3	7700.8
47.5°	7915.0	7932.3	8025.4	8094.6	8107.6	8016.7	8070.8	8096.8	8012.4	7912.9	7884.7
50°	8101.1	8129.2	8250.4	8324.0	8295.8	8181.2	8287.2	8326.1	8140.0	7949.6	7893.4
52.5°	8438.6	8471.1	8618.2	8713.4	8681.0	8566.3	8665.8	8527.4	8213.6	7979.9	7908.5
55°	8977.4	8992.6	9172.2	9327.9	9312.8	9172.2	9092.1	8784.8	8404.0	8161.7	8094.6
57.5°	8862.7	8888.7	9200.3	9615.7	9849.4	9721.8	9252.2	8728.6	8211.5	7919.3	7828.5
60°	6973.8	7036.5	7423.8	8155.2	9012.0	9009.9	8137.9	7324.3	6701.1	6313.8	6274.9
62.5°	4072.2	4115.5	4468.2	5208.2	5976.3	6023.9	5411.6	4853.3	4308.0	4046.2	3920.7
65°	1927.9	1925.7	2066.4	2399.6	2918.9	2960.0	2776.1	2471.0	2148.6	2059.9	2036.1
67.5°	1423.8	1423.8	1412.9	1436.7	1536.3	1557.9	1536.3	1486.5	1456.2	1475.7	1462.7
70°	1235.5	1237.7	1224.7	1218.2	1218.2	1211.7	1220.4	1239.8	1252.8	1278.8	1265.8
72.5°	1001.8	1004.0	1004.0	1006.1	1008.3	999.7	1012.6	1023.5	1025.6	1034.3	1025.6
75°	711.9	716.2	729.2	740.0	748.7	748.7	753.0	755.2	746.5	757.3	740.0
77.5°	391.6	396.0	419.8	439.2	458.7	460.9	467.4	471.7	467.4	476.0	463.0
80°	216.4	220.7	231.5	240.2	255.3	268.3	277.0	281.3	281.3	287.8	281.3
82.5°	123.3	127.7	134.2	138.5	151.5	162.3	170.9	177.4	177.4	179.6	175.3
85°	58.4	58.4	62.7	67.1	73.6	77.9	88.7	95.2	95.2	99.5	95.2
87.5°	8.7	10.8	13.0	13.0	17.3	21.6	26.0	28.1	32.5	34.6	34.6
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)