

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: P640655

Luminaire Tested: GWS-SA5E-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640655
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-SA5E-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38344 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

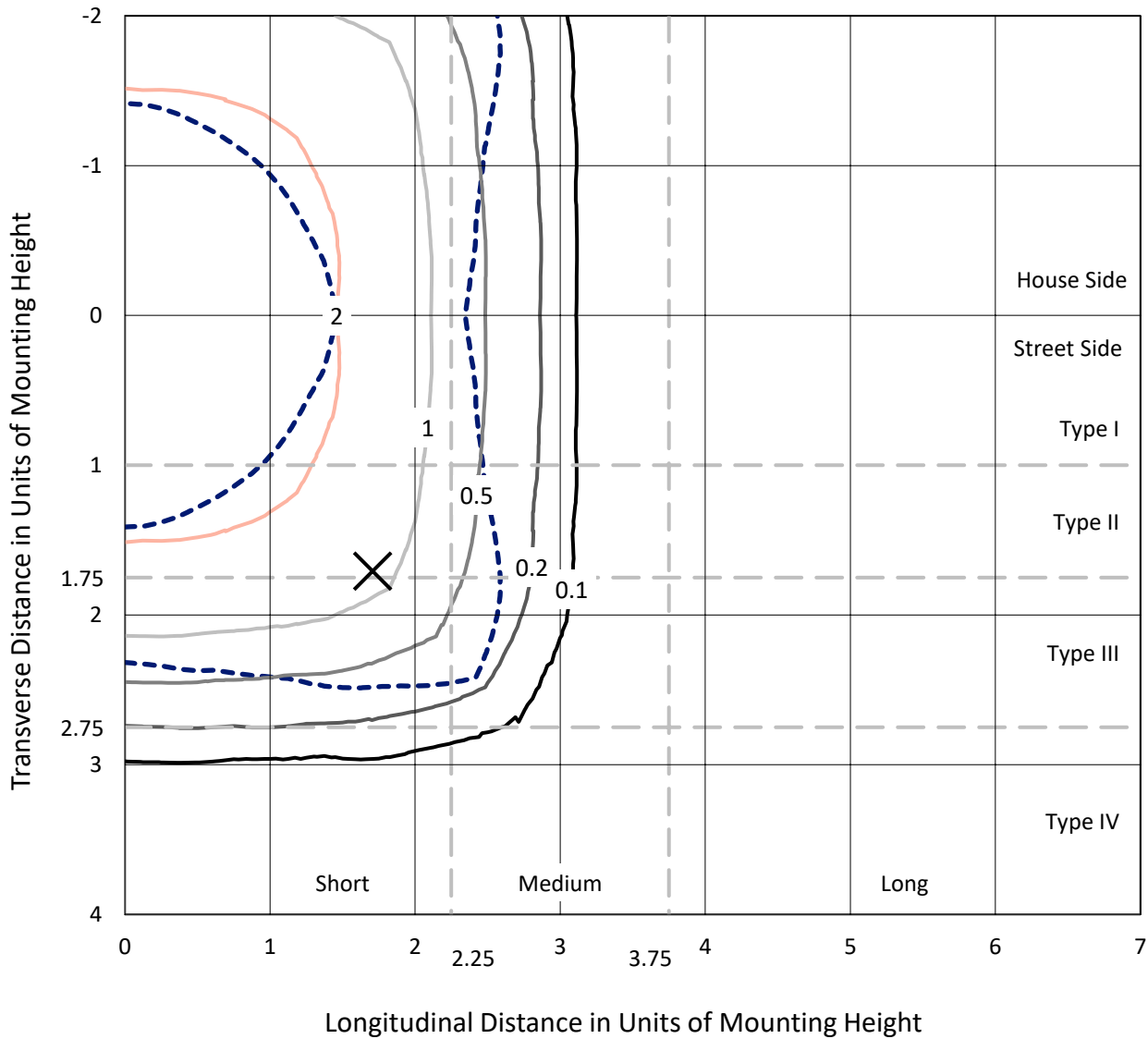
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

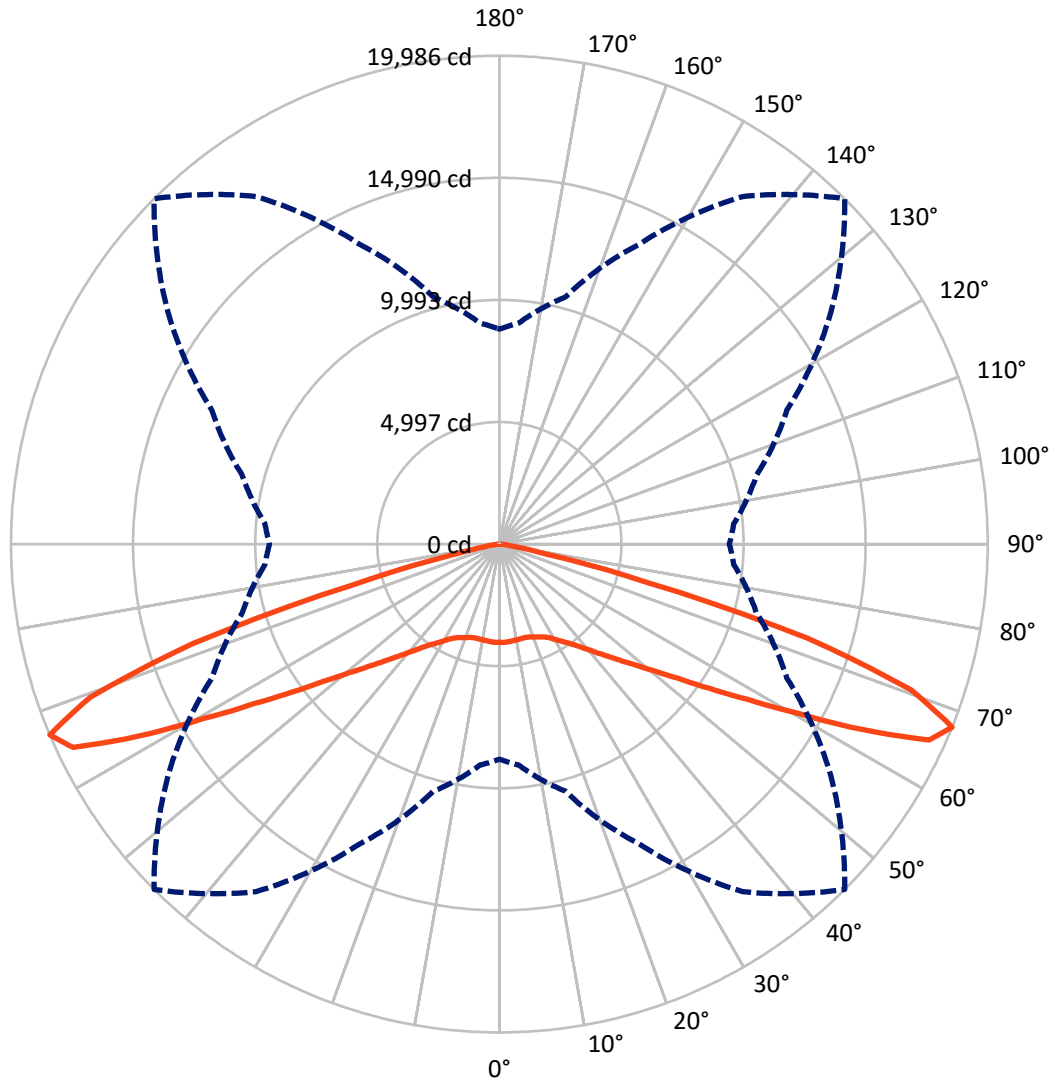
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.5 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	19172.0	0.0	19172.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19172.0	0.0	19172.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38344.0	0.0	38344.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.1	1.0
10°-20°	1116.4	2.9
20°-30°	1925.4	5.0
30°-40°	3130.8	8.2
40°-50°	5271.6	13.7
50°-60°	9340.2	24.4
60°-70°	13351.2	34.8
70°-80°	3664.3	9.6
80°-90°	164.2	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°	38344.0	100.0
0°-180°	38344.0	100.0

Coefficient of Utilization



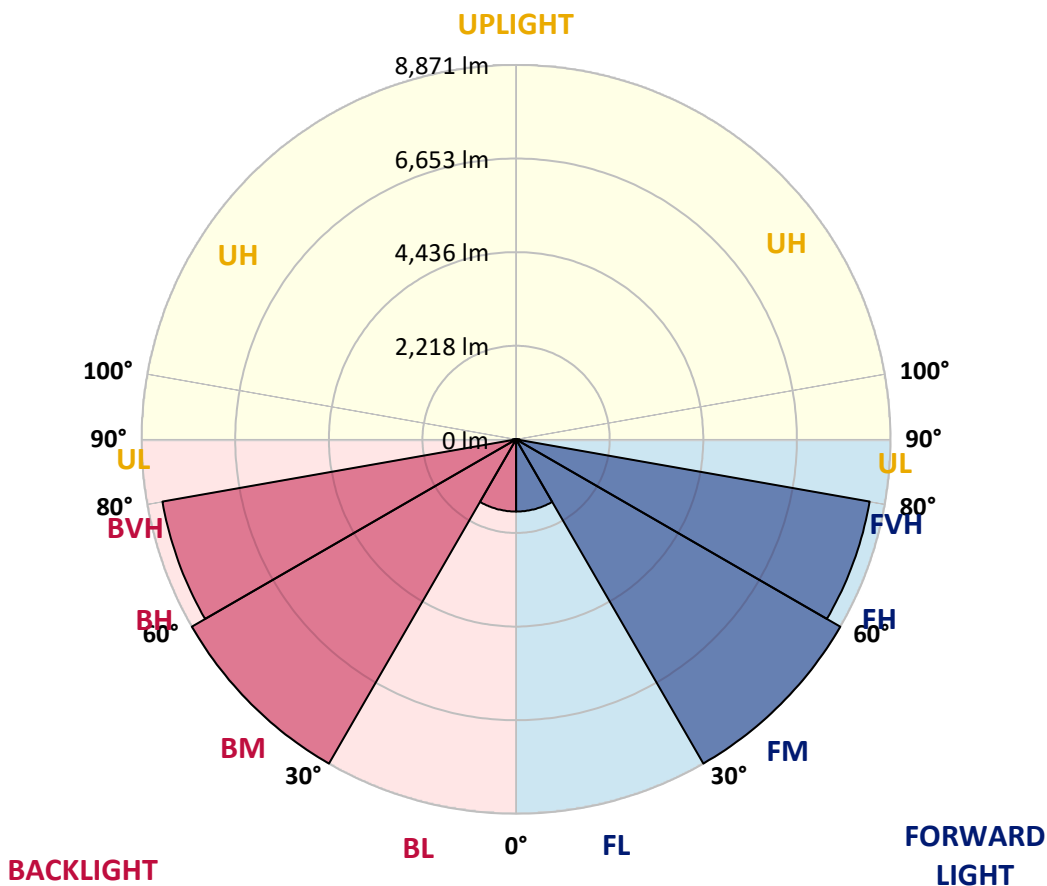
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.9	4.5			
FM (30°-60°)	8871.3	23.1			
FH (60°-80°)	8507.7	22.2			G4/12000
FVH (80°-90°)	82.1	0.2			G1/100
BL (0°-30°)	1710.9	4.5	B3/2500		
BM (30°-60°)	8871.3	23.1	B5		
BH (60°-80°)	8507.7	22.2	B5		G4/12000
BVH (80°-90°)	82.1	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-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9	4015.9
2.5°	3989.3	3986.7	3999.9	4007.9	4005.2	4023.8	4021.2	4015.9	4015.9	4007.9	4029.1
5°	3989.3	3986.7	3997.3	3999.9	3994.6	4010.5	4005.2	3999.9	3999.9	3989.3	4007.9
7.5°	3968.1	3970.7	3978.7	3984.0	3978.7	3992.0	3984.0	3973.4	3970.7	3960.1	3978.7
10°	3928.3	3930.9	3938.9	3952.2	3954.8	3978.7	3965.4	3946.8	3938.9	3928.3	3946.8
12.5°	3904.4	3907.0	3915.0	3930.9	3936.2	3968.1	3954.8	3925.6	3912.3	3901.7	3920.3
15°	3899.1	3901.7	3912.3	3928.3	3936.2	3968.1	3954.8	3920.3	3901.7	3888.5	3904.4
17.5°	3899.1	3904.4	3920.3	3944.2	3960.1	3992.0	3976.0	3936.2	3909.7	3885.8	3901.7
20°	3901.7	3909.7	3933.6	3968.1	4007.9	4053.0	4031.8	3978.7	3941.5	3912.3	3923.0
22.5°	3925.6	3938.9	3968.1	4013.2	4071.6	4124.7	4106.1	4034.4	3981.4	3941.5	3952.2
25°	4007.9	4013.2	4050.4	4108.8	4164.5	4209.6	4191.0	4124.7	4058.3	4010.5	4023.8
27.5°	4153.9	4167.1	4199.0	4260.0	4307.8	4331.7	4329.1	4283.9	4217.6	4175.1	4185.7
30°	4329.1	4342.3	4384.8	4453.8	4501.6	4528.1	4520.2	4485.7	4424.6	4366.2	4376.8
32.5°	4533.4	4538.7	4589.2	4666.1	4716.6	4756.4	4729.8	4692.7	4615.7	4546.7	4552.0
35°	4793.5	4801.5	4854.6	4926.3	4966.1	4997.9	4992.6	4955.5	4873.2	4798.9	4817.4
37.5°	5120.0	5125.3	5173.1	5263.3	5295.2	5319.1	5324.4	5305.8	5220.9	5125.3	5143.9
40°	5526.1	5528.8	5581.9	5661.5	5696.0	5711.9	5714.6	5717.2	5629.6	5558.0	5552.7
42.5°	5998.6	6011.8	6086.2	6163.1	6179.1	6171.1	6197.6	6224.2	6139.2	6041.0	6049.0
45°	6563.9	6571.9	6672.7	6757.7	6728.5	6701.9	6752.4	6805.5	6728.5	6601.1	6563.9
47.5°	7232.8	7248.7	7357.5	7442.5	7394.7	7346.9	7429.2	7484.9	7360.2	7224.8	7190.3
50°	7989.2	7999.9	8153.8	8260.0	8204.2	8116.7	8220.2	8278.6	8111.3	7944.1	7869.8
52.5°	8883.7	8862.5	9066.9	9252.7	9218.2	9104.0	9189.0	9199.6	8950.1	8713.9	8639.5
55°	9974.6	9953.4	10157.8	10362.1	10447.1	10417.9	10378.1	10314.4	9945.4	9693.3	9624.3
57.5°	11246.0	11179.6	11466.3	11742.3	11928.1	11981.2	11811.3	11662.7	11370.7	11060.2	10980.6
60°	12427.1	12424.5	12878.4	13356.1	13865.7	14078.1	13648.1	13244.6	12589.0	12023.7	11909.6
62.5°	12758.9	12814.6	13557.8	14741.6	15999.7	16750.9	15617.5	14282.4	13016.4	12164.4	12013.1
65°	11941.4	12079.4	13135.8	15004.4	17488.8	19325.5	16766.8	14306.3	12541.3	11479.6	11320.3
67.5°	8801.4	9077.5	10476.3	13539.3	17361.4	19986.4	16562.4	12981.9	10893.0	9629.6	9409.3
70°	4342.3	4605.1	5714.6	8907.6	14285.1	17865.7	14330.2	9783.5	7357.5	6141.9	5940.2
72.5°	1597.8	1704.0	2139.3	3811.5	7883.1	13196.9	9799.4	5465.1	3564.6	2837.4	2702.0
75°	783.0	801.6	867.9	1279.3	2909.0	6210.9	4605.1	2096.8	1311.2	1141.3	1104.2
77.5°	499.0	507.0	538.8	610.5	934.3	1956.2	1396.1	828.1	642.3	615.8	615.8
80°	278.7	286.7	329.1	379.6	437.9	671.5	501.7	496.3	422.0	368.9	361.0
82.5°	132.7	146.0	209.7	207.0	230.9	337.1	294.6	268.1	270.7	204.4	193.8
85°	61.0	61.0	82.3	98.2	103.5	114.1	135.4	153.9	151.3	103.5	111.5
87.5°	29.2	29.2	29.2	26.5	23.9	21.2	29.2	47.8	69.0	47.8	45.1
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)