

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: P640820

Luminaire Tested: GWS-SA5E-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640820
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39222.7 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

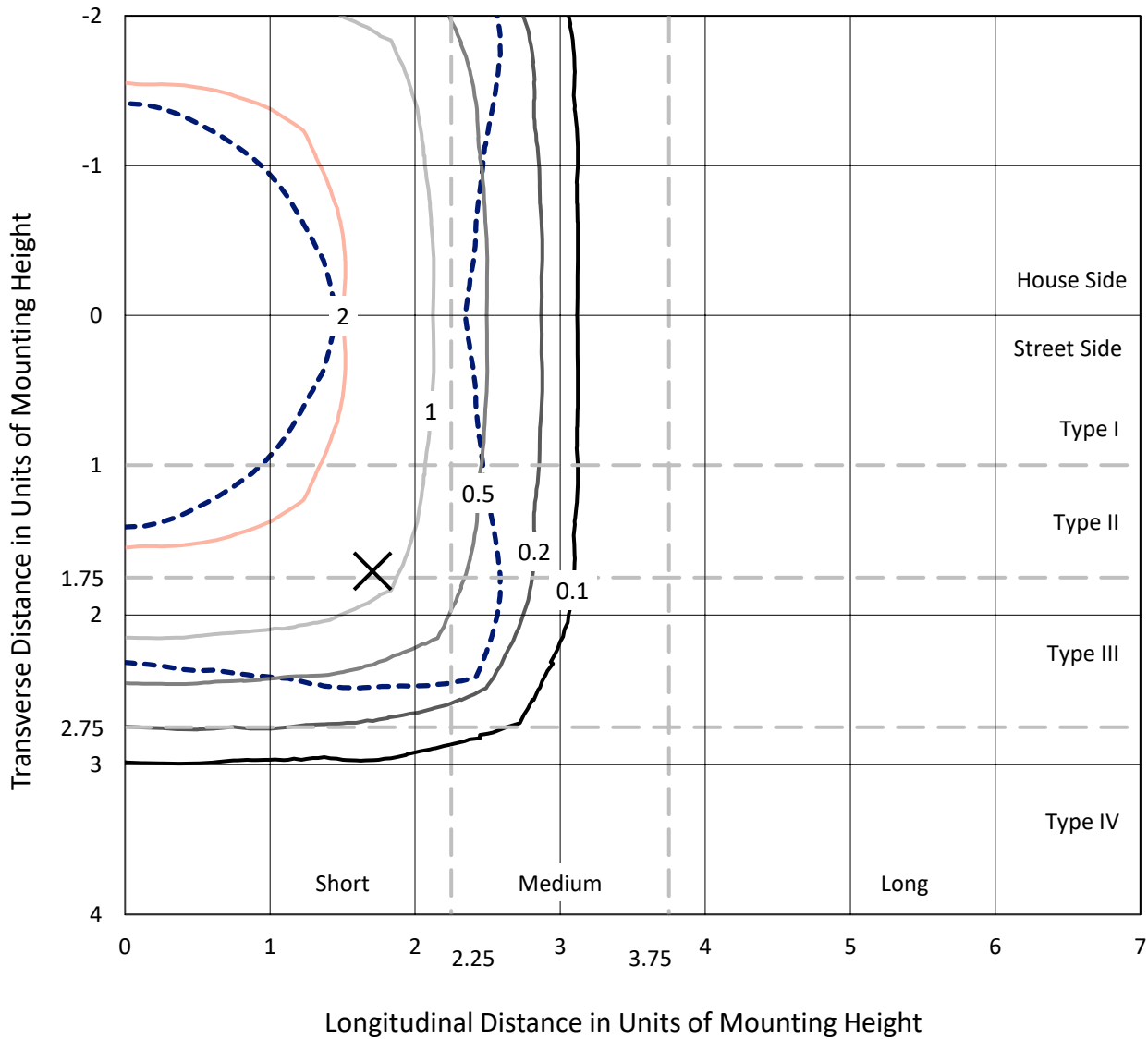
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

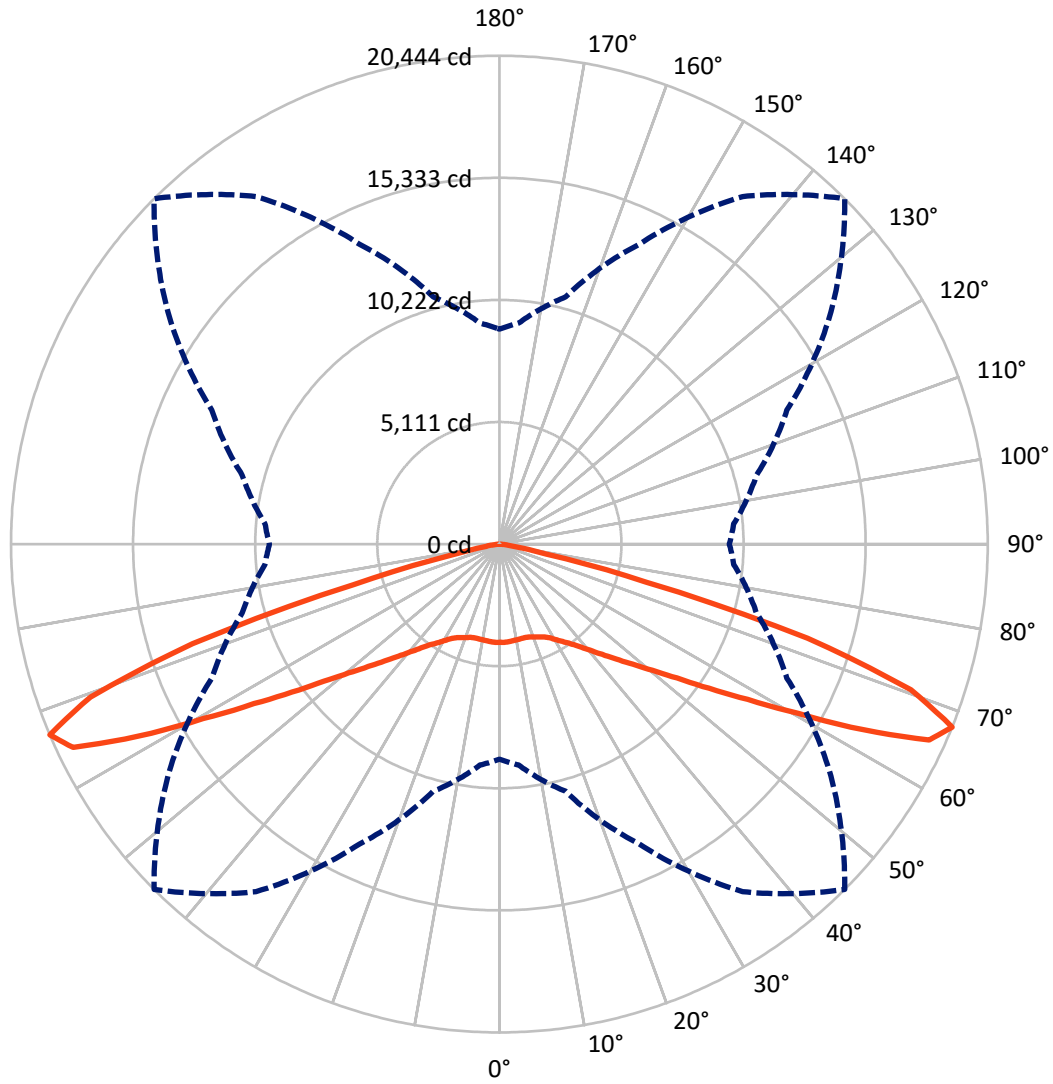
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.6 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	19611.3	0.0	19611.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19611.3	0.0	19611.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	39222.7	0.0	39222.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	1.0
10°-20°	1141.9	2.9
20°-30°	1969.5	5.0
30°-40°	3202.5	8.2
40°-50°	5392.4	13.7
50°-60°	9554.2	24.4
60°-70°	13657.1	34.8
70°-80°	3748.3	9.6
80°-90°	167.9	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°	39222.7	100.0
0°-180°	39222.7	100.0

Coefficient of Utilization



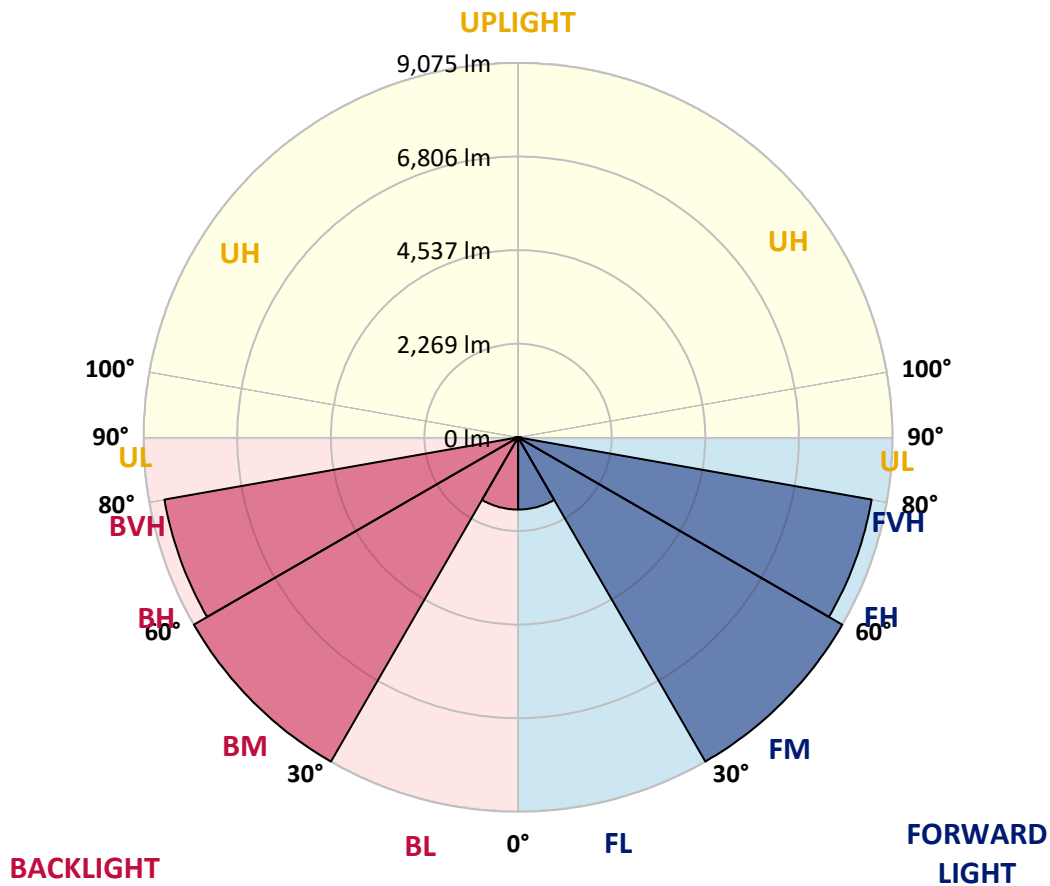
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1750.1	4.5			
FM (30°-60°)	9074.5	23.1			
FH (60°-80°)	8702.7	22.2			G4/12000
FVH (80°-90°)	84.0	0.2			G1/100
BL (0°-30°)	1750.1	4.5	B3/2500		
BM (30°-60°)	9074.5	23.1	B5		
BH (60°-80°)	8702.7	22.2	B5		G4/12000
BVH (80°-90°)	84.0	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°	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9	4107.9
2.5°	4080.7	4078.0	4091.6	4099.7	4097.0	4116.0	4113.3	4107.9	4107.9	4099.7	4121.5
5°	4080.7	4078.0	4088.9	4091.6	4086.2	4102.5	4097.0	4091.6	4091.6	4080.7	4099.7
7.5°	4059.0	4061.7	4069.9	4075.3	4069.9	4083.5	4075.3	4064.4	4061.7	4050.9	4069.9
10°	4018.3	4021.0	4029.2	4042.7	4045.4	4069.9	4056.3	4037.3	4029.2	4018.3	4037.3
12.5°	3993.9	3996.6	4004.7	4021.0	4026.4	4059.0	4045.4	4015.6	4002.0	3991.1	4010.1
15°	3988.4	3991.1	4002.0	4018.3	4026.4	4059.0	4045.4	4010.1	3991.1	3977.6	3993.9
17.5°	3988.4	3993.9	4010.1	4034.6	4050.9	4083.5	4067.2	4026.4	3999.3	3974.8	3991.1
20°	3991.1	3999.3	4023.7	4059.0	4099.7	4145.9	4124.2	4069.9	4031.9	4002.0	4012.9
22.5°	4015.6	4029.2	4059.0	4105.2	4164.9	4219.2	4200.2	4126.9	4072.6	4031.9	4042.7
25°	4099.7	4105.2	4143.2	4202.9	4259.9	4306.1	4287.1	4219.2	4151.3	4102.5	4116.0
27.5°	4249.1	4262.6	4295.2	4357.7	4406.5	4431.0	4428.3	4382.1	4314.2	4270.8	4281.7
30°	4428.3	4441.8	4485.3	4555.9	4604.7	4631.9	4623.7	4588.5	4526.0	4466.3	4477.1
32.5°	4637.3	4642.8	4694.3	4773.1	4824.7	4865.4	4838.2	4800.2	4721.5	4650.9	4656.3
35°	4903.4	4911.5	4965.8	5039.2	5079.9	5112.5	5107.0	5069.0	4984.9	4908.8	4927.8
37.5°	5237.4	5242.8	5291.7	5384.0	5416.5	5441.0	5446.4	5427.4	5340.5	5242.8	5261.8
40°	5652.8	5655.5	5709.8	5791.2	5826.5	5842.8	5845.5	5848.2	5758.6	5685.3	5679.9
42.5°	6136.0	6149.6	6225.6	6304.4	6320.7	6312.5	6339.7	6366.8	6279.9	6179.5	6187.6
45°	6714.3	6722.5	6825.7	6912.5	6882.7	6855.5	6907.1	6961.4	6882.7	6752.4	6714.3
47.5°	7398.5	7414.8	7526.1	7613.0	7564.2	7515.3	7599.5	7656.5	7528.9	7390.4	7355.1
50°	8172.3	8183.2	8340.7	8449.3	8392.3	8302.7	8408.5	8468.3	8297.2	8126.2	8050.2
52.5°	9087.3	9065.6	9274.6	9464.7	9429.4	9312.7	9399.5	9410.4	9155.2	8913.5	8837.5
55°	10203.2	10181.5	10390.5	10599.6	10686.5	10656.6	10615.9	10550.7	10173.3	9915.4	9844.8
57.5°	11503.7	11435.8	11729.1	12011.4	12201.5	12255.8	12082.0	11930.0	11631.3	11313.7	11232.2
60°	12711.9	12709.2	13173.5	13662.2	14183.5	14400.7	13960.8	13548.2	12877.5	12299.2	12182.5
62.5°	13051.3	13108.3	13868.5	15079.4	16366.4	17134.7	15975.4	14609.7	13314.7	12443.1	12288.4
65°	12215.1	12356.2	13436.8	15348.2	17889.5	19768.4	17151.0	14634.2	12828.7	11742.6	11579.7
67.5°	9003.1	9285.5	10716.3	13849.5	17759.2	20444.4	16942.0	13279.4	11142.6	9850.2	9624.9
70°	4441.8	4710.6	5845.5	9111.7	14612.5	18275.1	14658.6	10007.7	7526.1	6282.7	6076.3
72.5°	1634.5	1743.1	2188.3	3898.8	8063.7	13499.3	10024.0	5590.3	3646.3	2902.4	2763.9
75°	800.9	819.9	887.8	1308.7	2975.7	6353.2	4710.6	2144.9	1341.2	1167.5	1129.5
77.5°	510.4	518.6	551.2	624.5	955.7	2001.0	1428.1	847.1	657.0	629.9	629.9
80°	285.1	293.2	336.7	388.3	448.0	686.9	513.1	507.7	431.7	377.4	369.2
82.5°	135.8	149.3	214.5	211.8	236.2	344.8	301.4	274.2	276.9	209.1	198.2
85°	62.4	62.4	84.2	100.5	105.9	116.7	138.5	157.5	154.8	105.9	114.0
87.5°	29.9	29.9	29.9	27.2	24.4	21.7	29.9	48.9	70.6	48.9	46.2
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)