

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: P640710

Luminaire Tested: GWS-SA5E-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640710
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38876.8 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

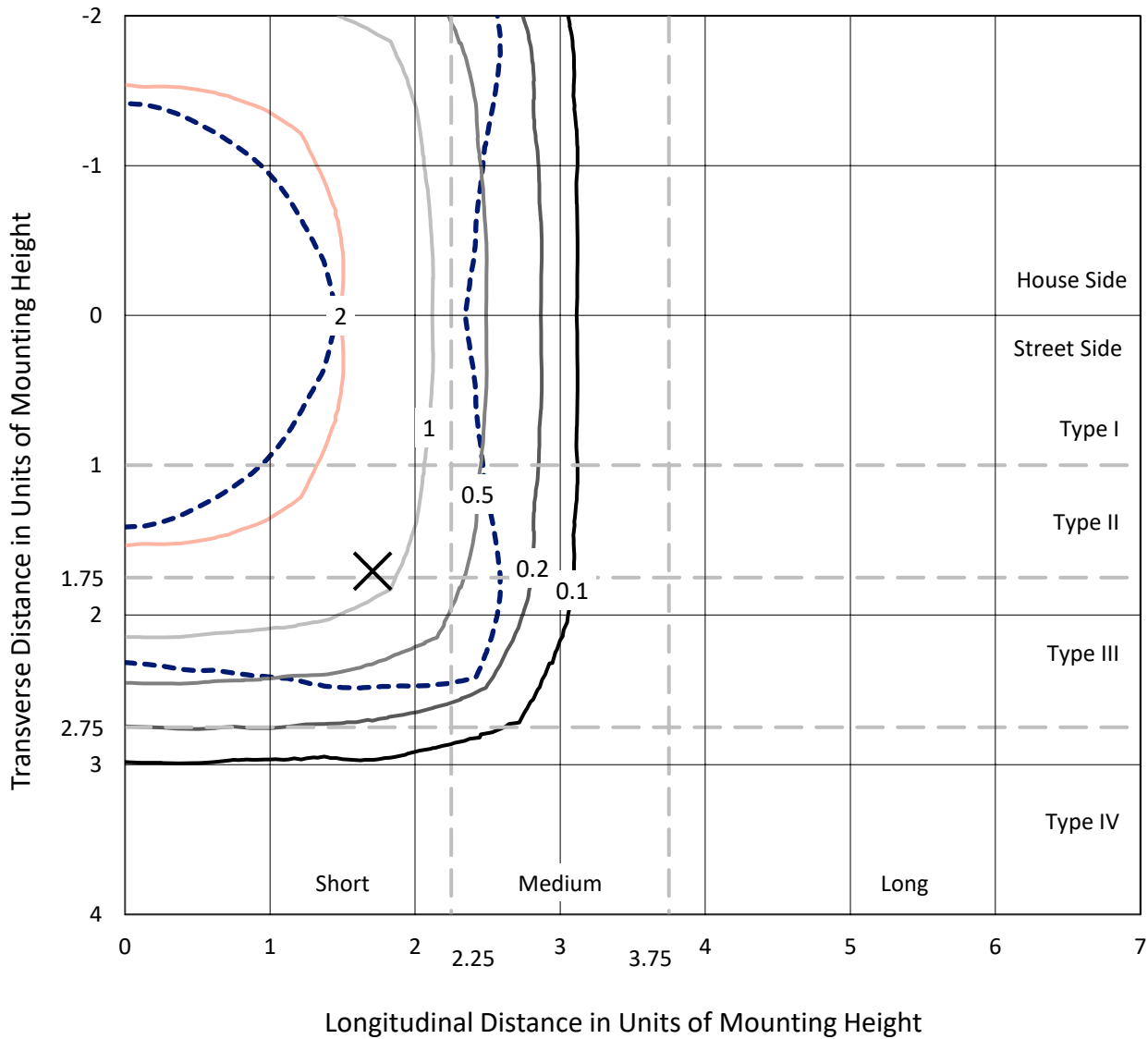
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

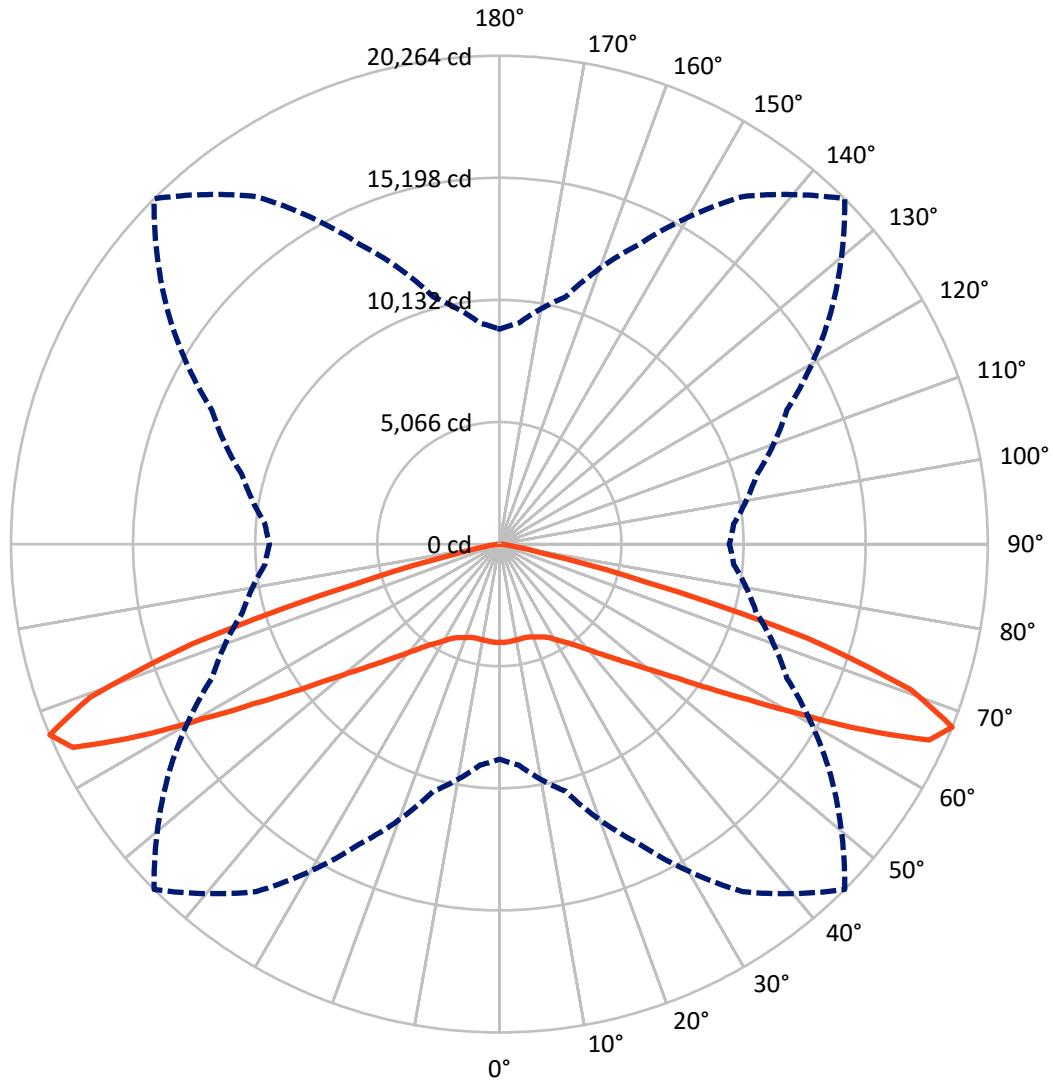
✕ Max cd
 - - - 1/2 Max cd



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	19438.4	0.0	19438.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19438.4	0.0	19438.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	38876.8	0.0	38876.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.4	1.0
10°-20°	1131.9	2.9
20°-30°	1952.1	5.0
30°-40°	3174.3	8.2
40°-50°	5344.8	13.7
50°-60°	9470.0	24.4
60°-70°	13536.7	34.8
70°-80°	3715.3	9.6
80°-90°	166.4	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°	38876.8	100.0
0°-180°	38876.8	100.0

Coefficient of Utilization



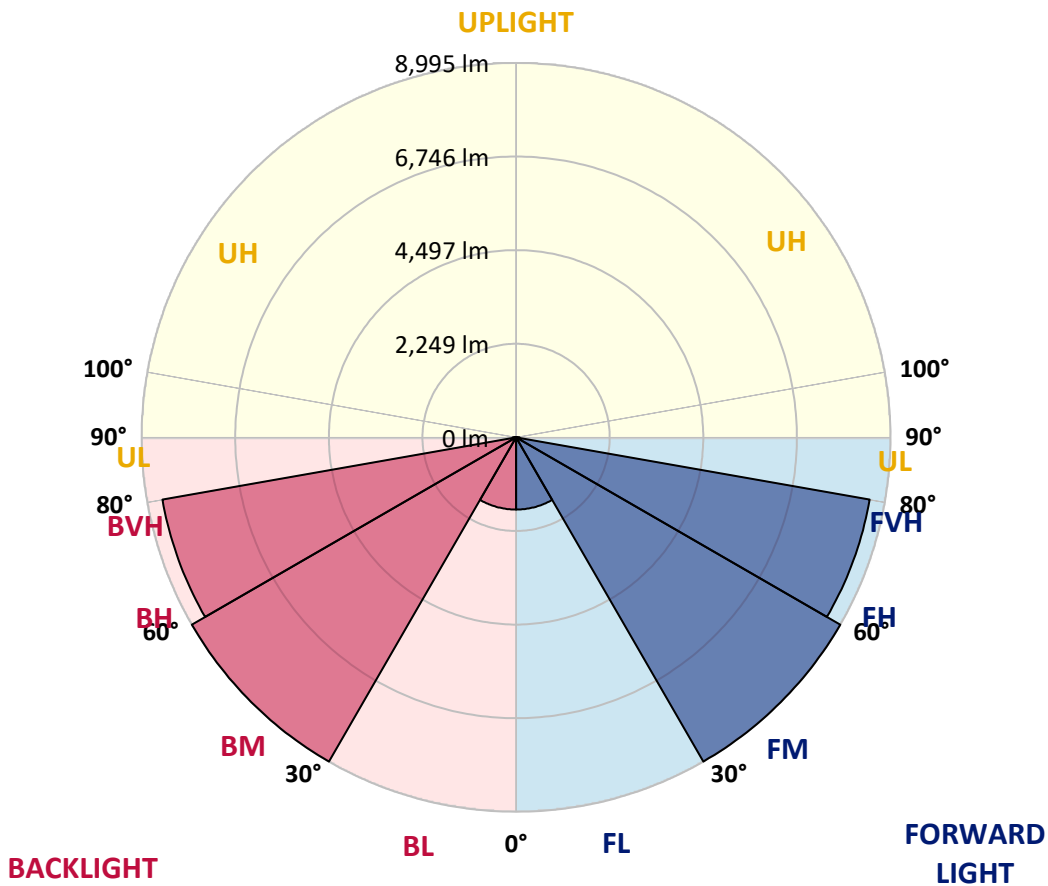
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1734.7	4.5			
FM (30°-60°)	8994.5	23.1			
FH (60°-80°)	8626.0	22.2			G4/12000
FVH (80°-90°)	83.2	0.2			G1/100
BL (0°-30°)	1734.7	4.5	B3/2500		
BM (30°-60°)	8994.5	23.1	B5		
BH (60°-80°)	8626.0	22.2	B5		G4/12000
BVH (80°-90°)	83.2	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°	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7	4071.7
2.5°	4044.7	4042.1	4055.5	4063.6	4060.9	4079.7	4077.0	4071.7	4071.7	4063.6	4085.1
5°	4044.7	4042.1	4052.8	4055.5	4050.1	4066.3	4060.9	4055.5	4055.5	4044.7	4063.6
7.5°	4023.2	4025.9	4034.0	4039.4	4034.0	4047.4	4039.4	4028.6	4025.9	4015.1	4034.0
10°	3982.9	3985.5	3993.6	4007.1	4009.8	4034.0	4020.5	4001.7	3993.6	3982.9	4001.7
12.5°	3958.6	3961.3	3969.4	3985.5	3990.9	4023.2	4009.8	3980.2	3966.7	3955.9	3974.8
15°	3953.3	3955.9	3966.7	3982.9	3990.9	4023.2	4009.8	3974.8	3955.9	3942.5	3958.6
17.5°	3953.3	3958.6	3974.8	3999.0	4015.1	4047.4	4031.3	3990.9	3964.0	3939.8	3955.9
20°	3955.9	3964.0	3988.2	4023.2	4063.6	4109.3	4087.8	4034.0	3996.3	3966.7	3977.5
22.5°	3980.2	3993.6	4023.2	4069.0	4128.2	4182.0	4163.2	4090.5	4036.7	3996.3	4007.1
25°	4063.6	4069.0	4106.6	4165.8	4222.4	4268.1	4249.3	4182.0	4114.7	4066.3	4079.7
27.5°	4211.6	4225.1	4257.3	4319.2	4367.7	4391.9	4389.2	4343.5	4276.2	4233.1	4243.9
30°	4389.2	4402.7	4445.7	4515.7	4564.1	4591.0	4583.0	4548.0	4486.1	4426.9	4437.7
32.5°	4596.4	4601.8	4652.9	4731.0	4782.1	4822.5	4795.6	4757.9	4679.9	4609.9	4615.3
35°	4860.2	4868.2	4922.1	4994.7	5035.1	5067.4	5062.0	5024.3	4940.9	4865.5	4884.4
37.5°	5191.2	5196.5	5245.0	5336.5	5368.8	5393.0	5398.4	5379.5	5293.4	5196.5	5215.4
40°	5602.9	5605.6	5659.4	5740.2	5775.1	5791.3	5794.0	5796.7	5707.9	5635.2	5629.8
42.5°	6081.9	6095.4	6170.7	6248.8	6264.9	6256.8	6283.8	6310.7	6224.6	6125.0	6133.1
45°	6655.1	6663.2	6765.5	6851.6	6822.0	6795.1	6846.2	6900.0	6822.0	6692.8	6655.1
47.5°	7333.3	7349.4	7459.8	7545.9	7497.5	7449.0	7532.4	7588.9	7462.5	7325.2	7290.2
50°	8100.3	8111.0	8267.1	8374.8	8318.2	8229.4	8334.4	8393.6	8224.1	8054.5	7979.2
52.5°	9007.2	8985.6	9192.9	9381.2	9346.2	9230.5	9316.6	9327.4	9074.4	8834.9	8759.6
55°	10113.2	10091.7	10298.9	10506.1	10592.2	10562.6	10522.3	10457.7	10083.6	9828.0	9758.0
57.5°	11402.3	11335.0	11625.6	11905.5	12093.9	12147.7	11975.5	11824.8	11528.7	11213.9	11133.2
60°	12599.8	12597.1	13057.3	13541.7	14058.4	14273.7	13837.7	13428.7	12764.0	12190.8	12075.0
62.5°	12936.2	12992.7	13746.2	14946.5	16222.1	16983.6	15834.5	14480.9	13197.2	12333.4	12180.0
65°	12107.3	12247.3	13318.3	15212.9	17731.8	19594.0	16999.8	14505.1	12715.5	11639.1	11477.6
67.5°	8923.7	9203.6	10621.8	13727.4	17602.6	20264.1	16792.6	13162.3	11044.3	9763.4	9540.0
70°	4402.7	4669.1	5794.0	9031.4	14483.6	18113.9	14529.3	9919.5	7459.8	6227.2	6022.7
72.5°	1620.1	1727.7	2169.0	3864.4	7992.6	13380.2	9935.6	5541.0	3614.2	2876.8	2739.6
75°	793.9	812.7	880.0	1297.1	2949.5	6297.2	4669.1	2126.0	1329.4	1157.2	1119.5
77.5°	505.9	514.0	546.3	619.0	947.3	1983.4	1415.5	839.6	651.3	624.3	624.3
80°	282.6	290.6	333.7	384.8	444.0	680.9	508.6	503.2	427.9	374.1	366.0
82.5°	134.6	148.0	212.6	209.9	234.1	341.8	298.7	271.8	274.5	207.2	196.5
85°	61.9	61.9	83.4	99.6	105.0	115.7	137.2	156.1	153.4	105.0	113.0
87.5°	29.6	29.6	29.6	26.9	24.2	21.5	29.6	48.4	70.0	48.4	45.7
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)