

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: P640160

Luminaire Tested: GWS-SA5D-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640160
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-SA5D-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: 30683.8 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

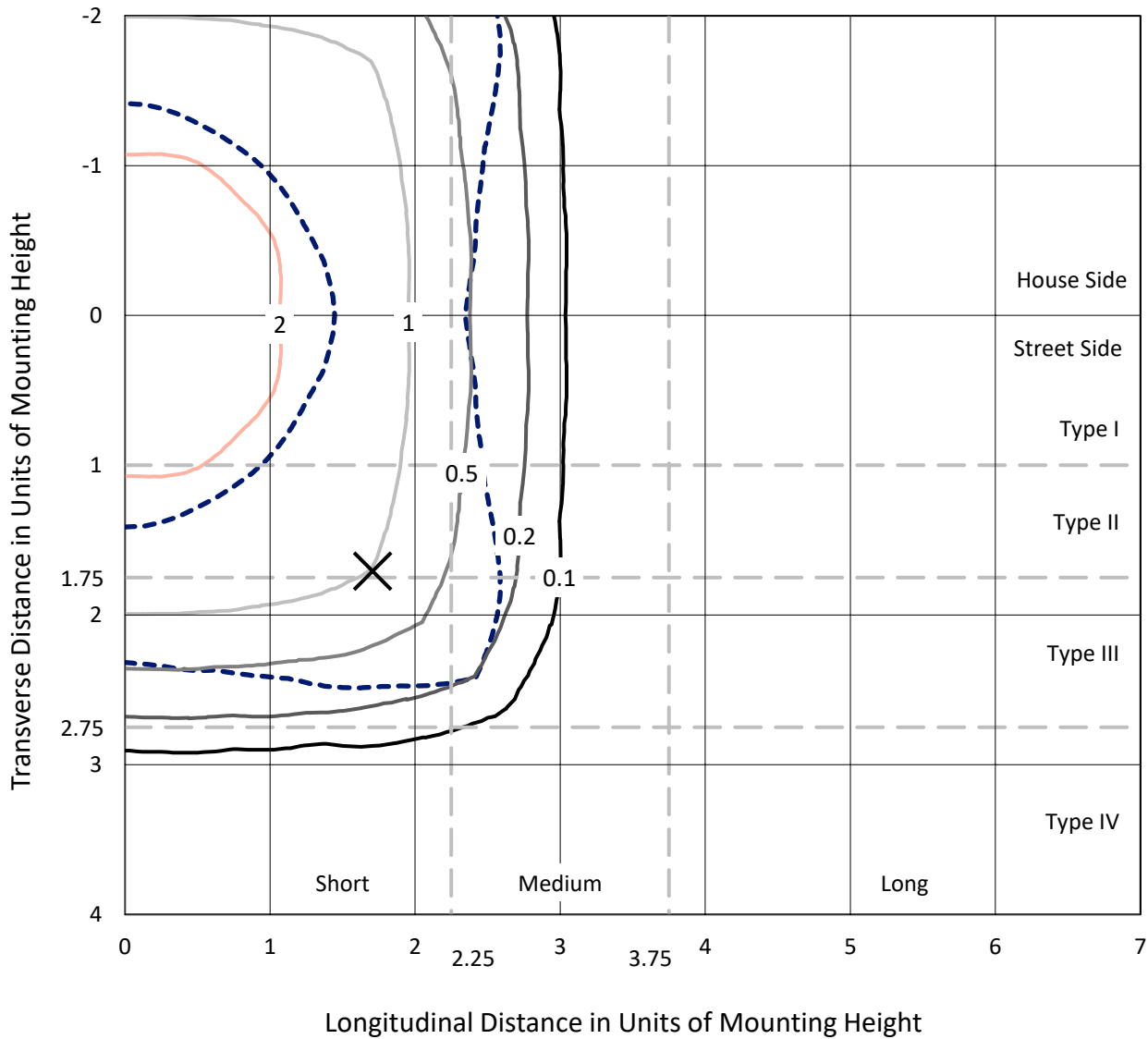
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

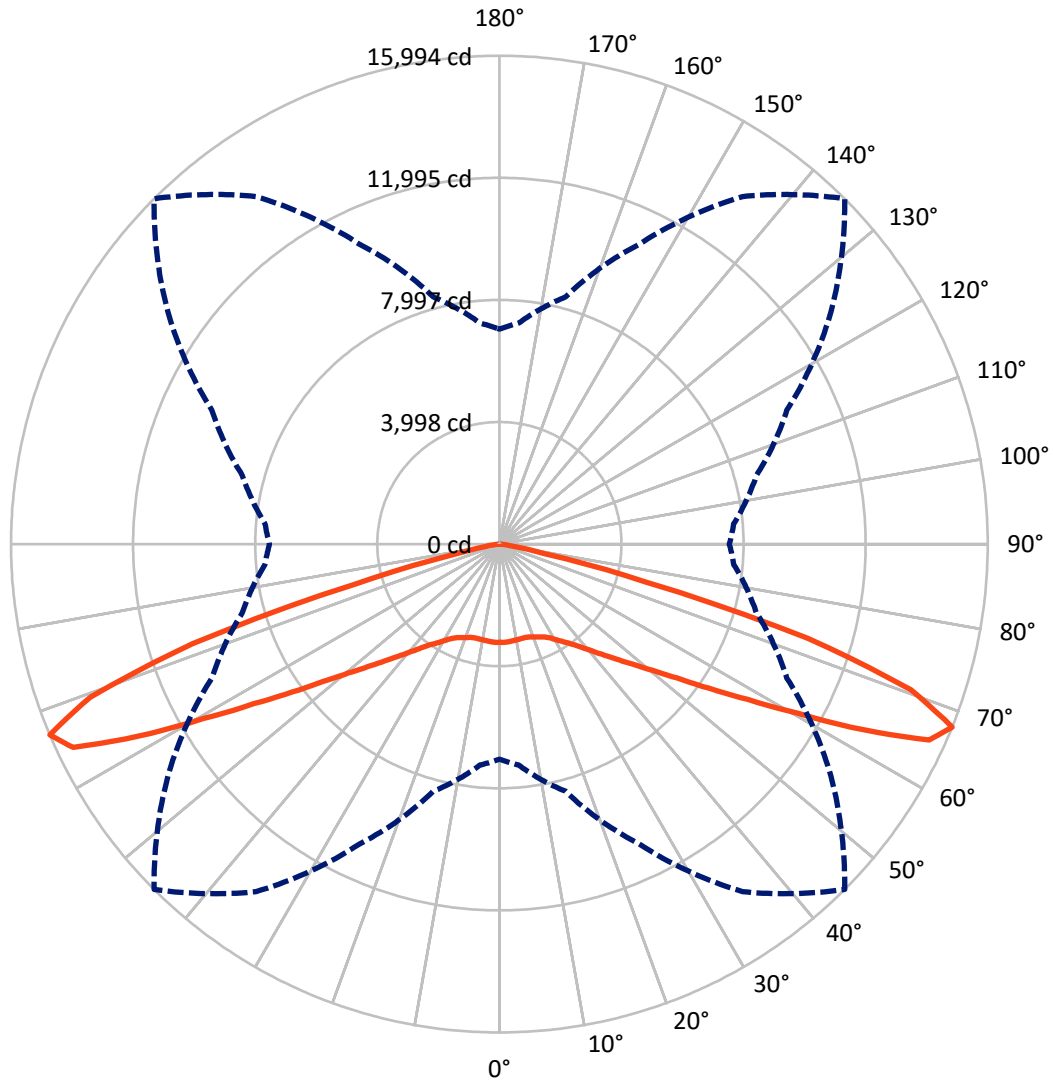
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 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	15341.9	0.0	15341.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15341.9	0.0	15341.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	30683.8	0.0	30683.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.2	1.0
10°-20°	893.3	2.9
20°-30°	1540.7	5.0
30°-40°	2505.3	8.2
40°-50°	4218.4	13.7
50°-60°	7474.3	24.4
60°-70°	10683.9	34.8
70°-80°	2932.3	9.6
80°-90°	131.4	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°	30683.8	100.0
0°-180°	30683.8	100.0

Coefficient of Utilization



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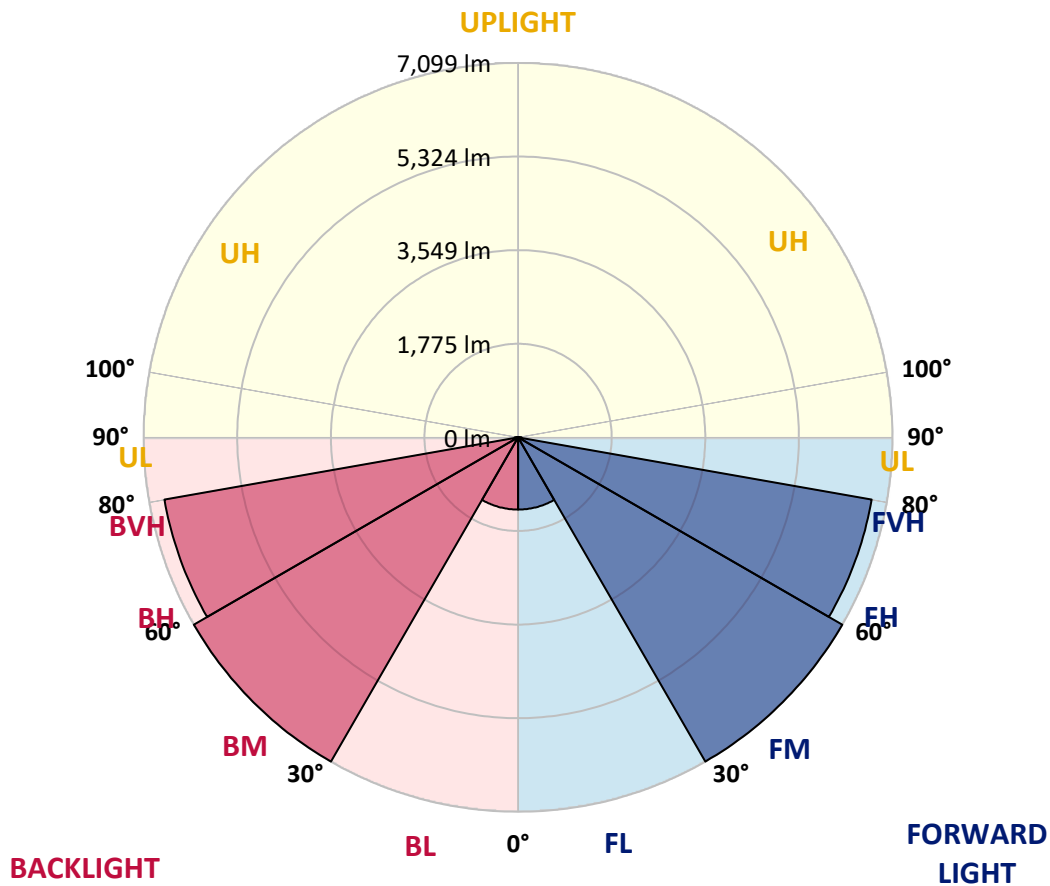
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1369.1	4.5			
FM (30°-60°)	7099.0	23.1			
FH (60°-80°)	6808.1	22.2			G3/7500
FVH (80°-90°)	65.7	0.2			G1/100
BL (0°-30°)	1369.1	4.5	B3/2500		
BM (30°-60°)	7099.0	23.1	B4/8500		
BH (60°-80°)	6808.1	22.2	B5		G3/7500
BVH (80°-90°)	65.7	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6	3213.6
2.5°	3192.3	3190.2	3200.8	3207.2	3205.1	3220.0	3217.8	3213.6	3213.6	3207.2	3224.2
5°	3192.3	3190.2	3198.7	3200.8	3196.6	3209.3	3205.1	3200.8	3200.8	3192.3	3207.2
7.5°	3175.4	3177.5	3183.9	3188.1	3183.9	3194.5	3188.1	3179.6	3177.5	3169.0	3183.9
10°	3143.5	3145.6	3152.0	3162.6	3164.7	3183.9	3173.2	3158.4	3152.0	3143.5	3158.4
12.5°	3124.4	3126.5	3132.9	3145.6	3149.9	3175.4	3164.7	3141.4	3130.8	3122.3	3137.1
15°	3120.1	3122.3	3130.8	3143.5	3149.9	3175.4	3164.7	3137.1	3122.3	3111.6	3124.4
17.5°	3120.1	3124.4	3137.1	3156.2	3169.0	3194.5	3181.7	3149.9	3128.6	3109.5	3122.3
20°	3122.3	3128.6	3147.7	3175.4	3207.2	3243.3	3226.3	3183.9	3154.1	3130.8	3139.2
22.5°	3141.4	3152.0	3175.4	3211.5	3258.2	3300.7	3285.8	3228.5	3186.0	3154.1	3162.6
25°	3207.2	3211.5	3241.2	3287.9	3332.5	3368.6	3353.8	3300.7	3247.6	3209.3	3220.0
27.5°	3324.0	3334.7	3360.1	3409.0	3447.2	3466.3	3464.2	3428.1	3375.0	3341.0	3349.5
30°	3464.2	3474.8	3508.8	3564.0	3602.3	3623.5	3617.1	3589.5	3540.7	3494.0	3502.4
32.5°	3627.8	3632.0	3672.4	3734.0	3774.3	3806.2	3784.9	3755.2	3693.6	3638.4	3642.6
35°	3835.9	3842.3	3884.8	3942.1	3974.0	3999.5	3995.2	3965.5	3899.6	3840.2	3855.0
37.5°	4097.2	4101.4	4139.6	4211.9	4237.3	4256.5	4260.7	4245.8	4177.9	4101.4	4116.3
40°	4422.1	4424.3	4466.7	4530.5	4558.1	4570.8	4572.9	4575.1	4505.0	4447.6	4443.4
42.5°	4800.2	4810.8	4870.3	4931.9	4944.6	4938.3	4959.5	4980.7	4912.8	4834.2	4840.6
45°	5252.6	5259.0	5339.7	5407.7	5384.3	5363.1	5403.4	5445.9	5384.3	5282.3	5252.6
47.5°	5787.9	5800.6	5887.7	5955.7	5917.4	5879.2	5945.0	5989.6	5889.8	5781.5	5753.9
50°	6393.2	6401.7	6524.9	6609.8	6565.2	6495.1	6578.0	6624.7	6490.9	6357.1	6297.6
52.5°	7109.0	7092.0	7255.5	7404.2	7376.6	7285.3	7353.2	7361.7	7162.1	6973.0	6913.6
55°	7981.9	7964.9	8128.5	8292.0	8360.0	8336.6	8304.8	8253.8	7958.6	7756.8	7701.6
57.5°	8999.3	8946.2	9175.6	9396.5	9545.2	9587.7	9451.7	9332.8	9099.1	8850.6	8786.9
60°	9944.5	9942.4	10305.6	10687.9	11095.7	11265.6	10921.5	10598.7	10074.1	9621.6	9530.3
62.5°	10210.0	10254.6	10849.3	11796.6	12803.4	13404.5	12497.5	11429.2	10416.0	9734.2	9613.2
65°	9555.8	9666.3	10511.6	12006.9	13994.9	15464.7	13417.2	11448.3	10035.8	9186.2	9058.8
67.5°	7043.1	7264.0	8383.4	10834.4	13893.0	15993.6	13253.7	10388.4	8716.8	7705.8	7529.5
70°	3474.8	3685.1	4572.9	7128.1	11431.3	14296.5	11467.4	7829.0	5887.7	4914.9	4753.5
72.5°	1278.6	1363.6	1711.9	3050.0	6308.2	10560.4	7841.7	4373.3	2852.5	2270.5	2162.2
75°	626.6	641.4	694.5	1023.8	2327.9	4970.1	3685.1	1677.9	1049.2	913.3	883.6
77.5°	399.3	405.7	431.2	488.5	747.6	1565.4	1117.2	662.7	514.0	492.8	492.8
80°	223.0	229.4	263.4	303.7	350.5	537.4	401.4	397.2	337.7	295.2	288.9
82.5°	106.2	116.8	167.8	165.7	184.8	269.7	235.8	214.5	216.6	163.5	155.1
85°	48.9	48.9	65.8	78.6	82.8	91.3	108.3	123.2	121.1	82.8	89.2
87.5°	23.4	23.4	23.4	21.2	19.1	17.0	23.4	38.2	55.2	38.2	36.1
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)