

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: P640270

Luminaire Tested: GWS-SA5D-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640270
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-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31823.1 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

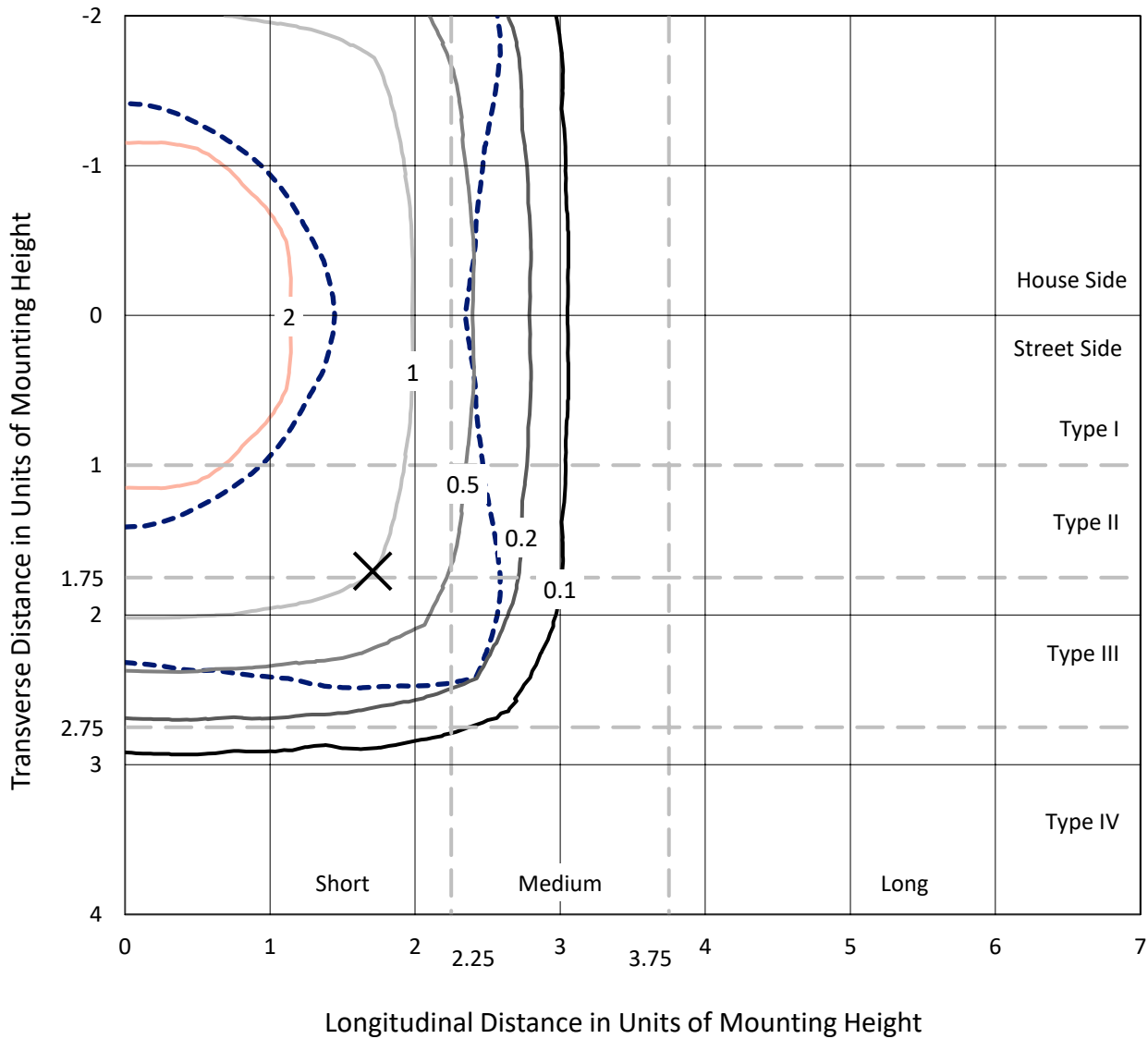
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

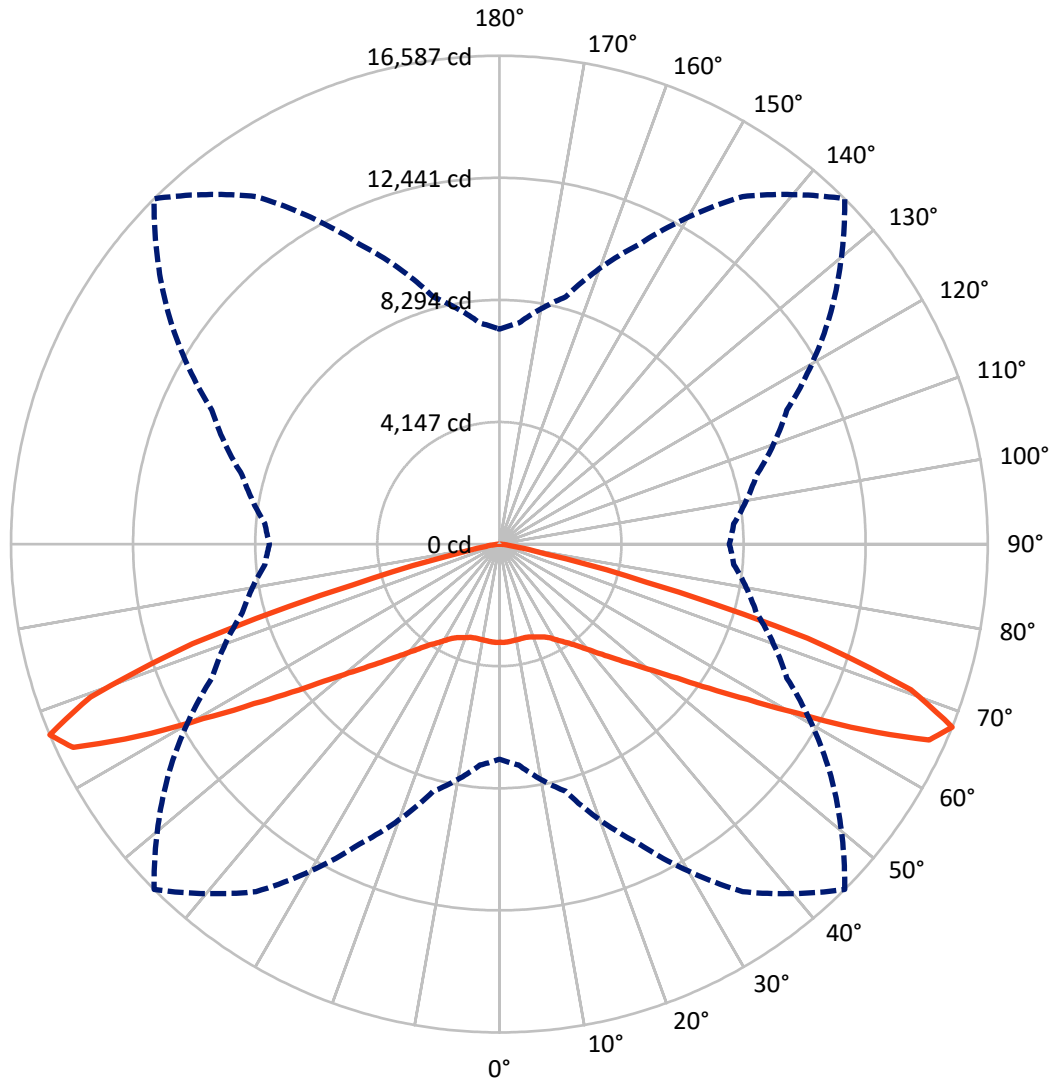
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 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	15911.6	0.0	15911.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15911.6	0.0	15911.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	31823.1	0.0	31823.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	1.0
10°-20°	926.5	2.9
20°-30°	1597.9	5.0
30°-40°	2598.3	8.2
40°-50°	4375.1	13.7
50°-60°	7751.8	24.4
60°-70°	11080.6	34.8
70°-80°	3041.2	9.6
80°-90°	136.2	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°	31823.1	100.0
0°-180°	31823.1	100.0

Coefficient of Utilization



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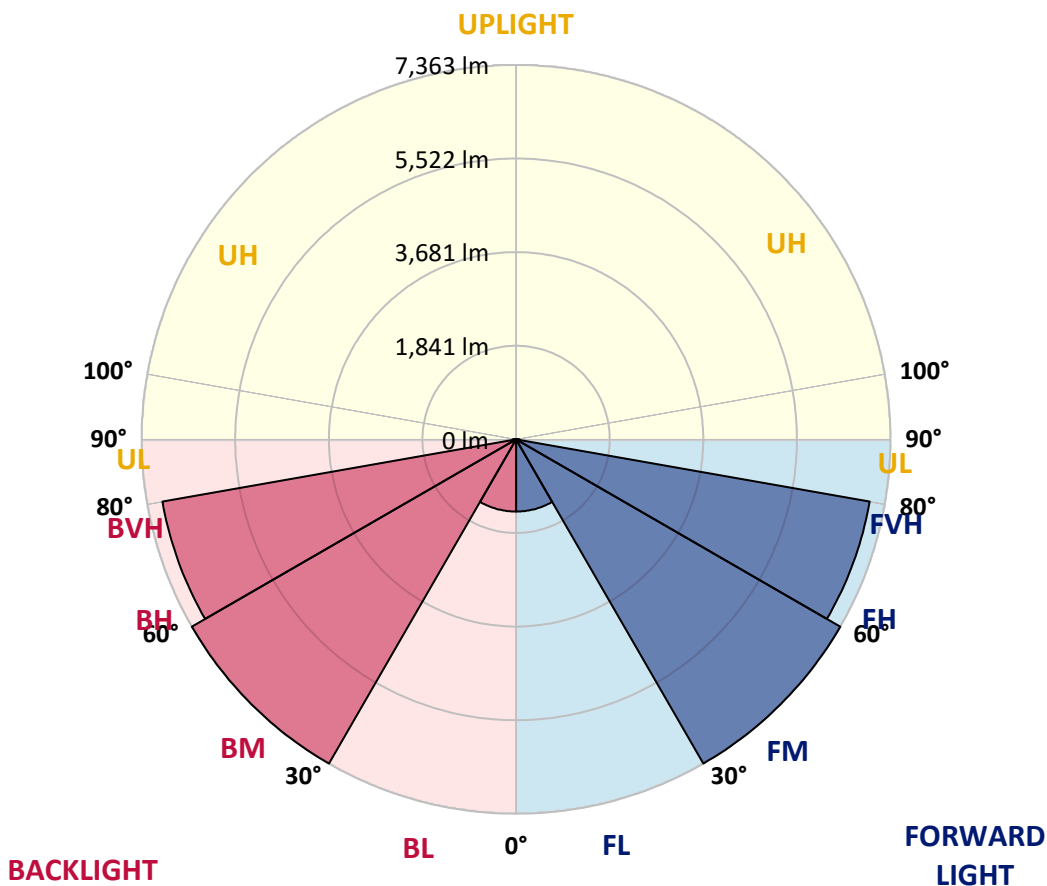
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1419.9	4.5			
FM (30°-60°)	7362.6	23.1			
FH (60°-80°)	7060.9	22.2			G3/7500
FVH (80°-90°)	68.1	0.2			G1/100
BL (0°-30°)	1419.9	4.5	B3/2500		
BM (30°-60°)	7362.6	23.1	B4/8500		
BH (60°-80°)	7060.9	22.2	B5		G3/7500
BVH (80°-90°)	68.1	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9	3332.9
2.5°	3310.9	3308.7	3319.7	3326.3	3324.1	3339.5	3337.3	3332.9	3332.9	3326.3	3343.9
5°	3310.9	3308.7	3317.5	3319.7	3315.3	3328.5	3324.1	3319.7	3319.7	3310.9	3326.3
7.5°	3293.3	3295.5	3302.1	3306.5	3302.1	3313.1	3306.5	3297.7	3295.5	3286.6	3302.1
10°	3260.2	3262.4	3269.0	3280.0	3282.2	3302.1	3291.1	3275.6	3269.0	3260.2	3275.6
12.5°	3240.4	3242.6	3249.2	3262.4	3266.8	3293.3	3282.2	3258.0	3247.0	3238.2	3253.6
15°	3236.0	3238.2	3247.0	3260.2	3266.8	3293.3	3282.2	3253.6	3238.2	3227.2	3240.4
17.5°	3236.0	3240.4	3253.6	3273.4	3286.6	3313.1	3299.9	3266.8	3244.8	3225.0	3238.2
20°	3238.2	3244.8	3264.6	3293.3	3326.3	3363.7	3346.1	3302.1	3271.2	3247.0	3255.8
22.5°	3258.0	3269.0	3293.3	3330.7	3379.2	3423.2	3407.8	3348.3	3304.3	3271.2	3280.0
25°	3326.3	3330.7	3361.5	3410.0	3456.3	3493.7	3478.3	3423.2	3368.2	3328.5	3339.5
27.5°	3447.5	3458.5	3484.9	3535.6	3575.2	3595.0	3592.8	3555.4	3500.3	3465.1	3473.9
30°	3592.8	3603.9	3639.1	3696.4	3736.0	3758.1	3751.5	3722.8	3672.1	3623.7	3632.5
32.5°	3762.5	3766.9	3808.7	3872.6	3914.5	3947.5	3925.5	3894.6	3830.8	3773.5	3777.9
35°	3978.3	3985.0	4029.0	4088.5	4121.5	4148.0	4143.6	4112.7	4044.4	3982.7	3998.2
37.5°	4249.3	4253.7	4293.4	4368.2	4394.7	4414.5	4418.9	4403.5	4333.0	4253.7	4269.1
40°	4586.3	4588.5	4632.6	4698.7	4727.3	4740.5	4742.7	4744.9	4672.2	4612.8	4608.4
42.5°	4978.4	4989.5	5051.1	5115.0	5128.2	5121.6	5143.7	5165.7	5095.2	5013.7	5020.3
45°	5447.6	5454.3	5538.0	5608.5	5584.2	5562.2	5604.0	5648.1	5584.2	5478.5	5447.6
47.5°	6002.8	6016.0	6106.3	6176.8	6137.1	6097.5	6165.8	6212.0	6108.5	5996.2	5967.5
50°	6630.6	6639.4	6767.1	6855.3	6809.0	6736.3	6822.2	6870.7	6731.9	6593.1	6531.4
52.5°	7372.9	7355.3	7524.9	7679.1	7650.5	7555.8	7626.3	7635.1	7428.0	7232.0	7170.3
55°	8278.3	8260.7	8430.3	8599.9	8670.4	8646.2	8613.1	8560.3	8254.1	8044.8	7987.5
57.5°	9333.5	9278.4	9516.3	9745.4	9899.6	9943.7	9802.7	9679.3	9437.0	9179.3	9113.2
60°	10313.7	10311.5	10688.2	11084.7	11507.7	11683.9	11327.0	10992.2	10448.1	9978.9	9884.2
62.5°	10589.1	10635.4	11252.1	12234.6	13278.8	13902.2	12961.6	11853.5	10802.8	10095.7	9970.1
65°	9910.6	10025.2	10901.9	12452.7	14514.6	16038.9	13915.4	11873.4	10408.5	9527.3	9395.1
67.5°	7304.6	7533.7	8694.6	11236.7	14408.8	16587.4	13745.8	10774.1	9040.5	7991.9	7809.1
70°	3603.9	3821.9	4742.7	7392.8	11855.7	14827.4	11893.2	8119.7	6106.3	5097.4	4930.0
72.5°	1326.1	1414.2	1775.5	3163.3	6542.5	10952.6	8132.9	4535.7	2958.4	2354.8	2242.5
75°	649.8	665.3	720.3	1061.8	2414.3	5154.7	3821.9	1740.2	1088.2	947.2	916.4
77.5°	414.1	420.7	447.2	506.7	775.4	1623.5	1158.7	687.3	533.1	511.1	511.1
80°	231.3	237.9	273.2	315.0	363.5	557.3	416.3	411.9	350.3	306.2	299.6
82.5°	110.1	121.2	174.0	171.8	191.6	279.8	244.5	222.5	224.7	169.6	160.8
85°	50.7	50.7	68.3	81.5	85.9	94.7	112.3	127.8	125.6	85.9	92.5
87.5°	24.2	24.2	24.2	22.0	19.8	17.6	24.2	39.7	57.3	39.7	37.4
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)