

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: P637688

Luminaire Tested: GWS-SA4D-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25245 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

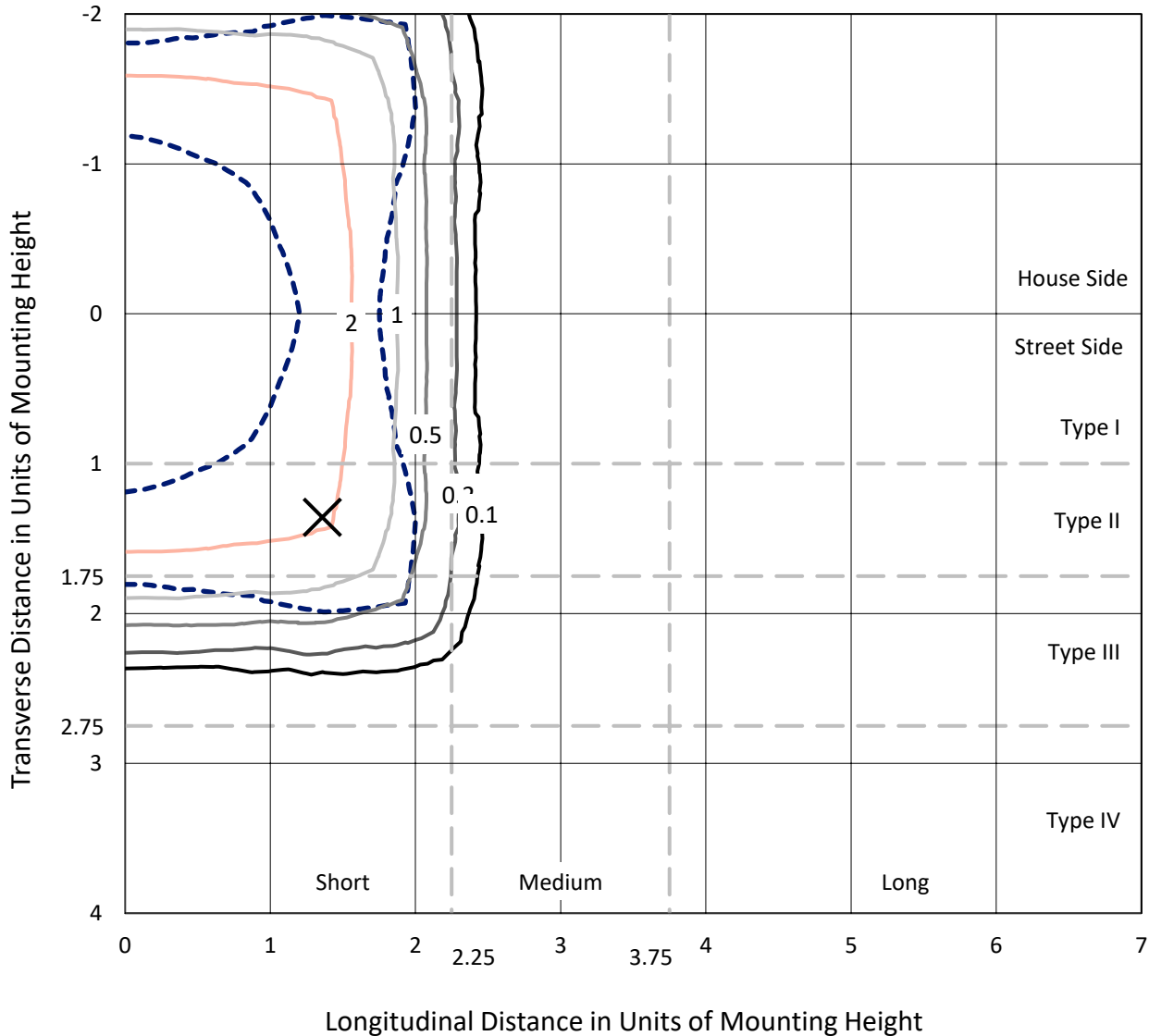
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

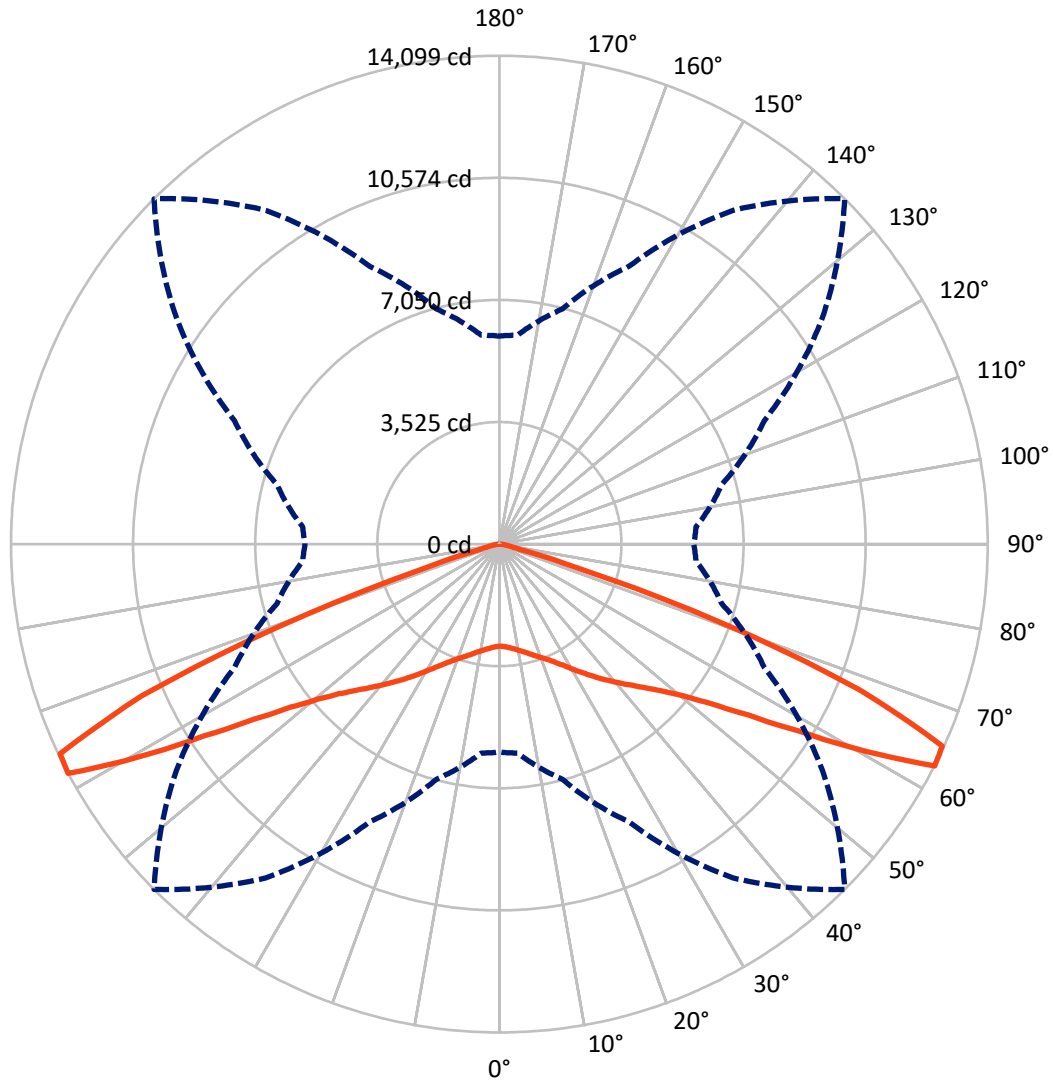
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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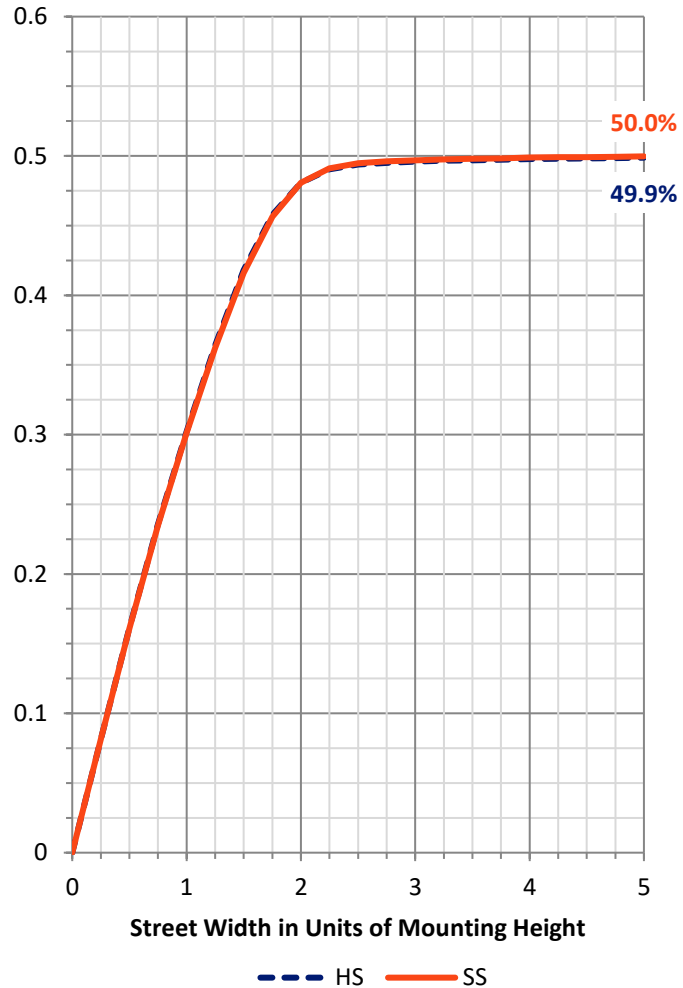
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12622.5	0.0	12622.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12622.5	0.0	12622.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25245.0	0.0	25245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.0	1.1
10°-20°	931.9	3.7
20°-30°	1762.9	7.0
30°-40°	2967.3	11.8
40°-50°	4740.9	18.8
50°-60°	7642.1	30.3
60°-70°	6235.1	24.7
70°-80°	605.5	2.4
80°-90°	70.5	0.3
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°	25245.0	100.0
0°-180°	25245.0	100.0

Coefficient of Utilization



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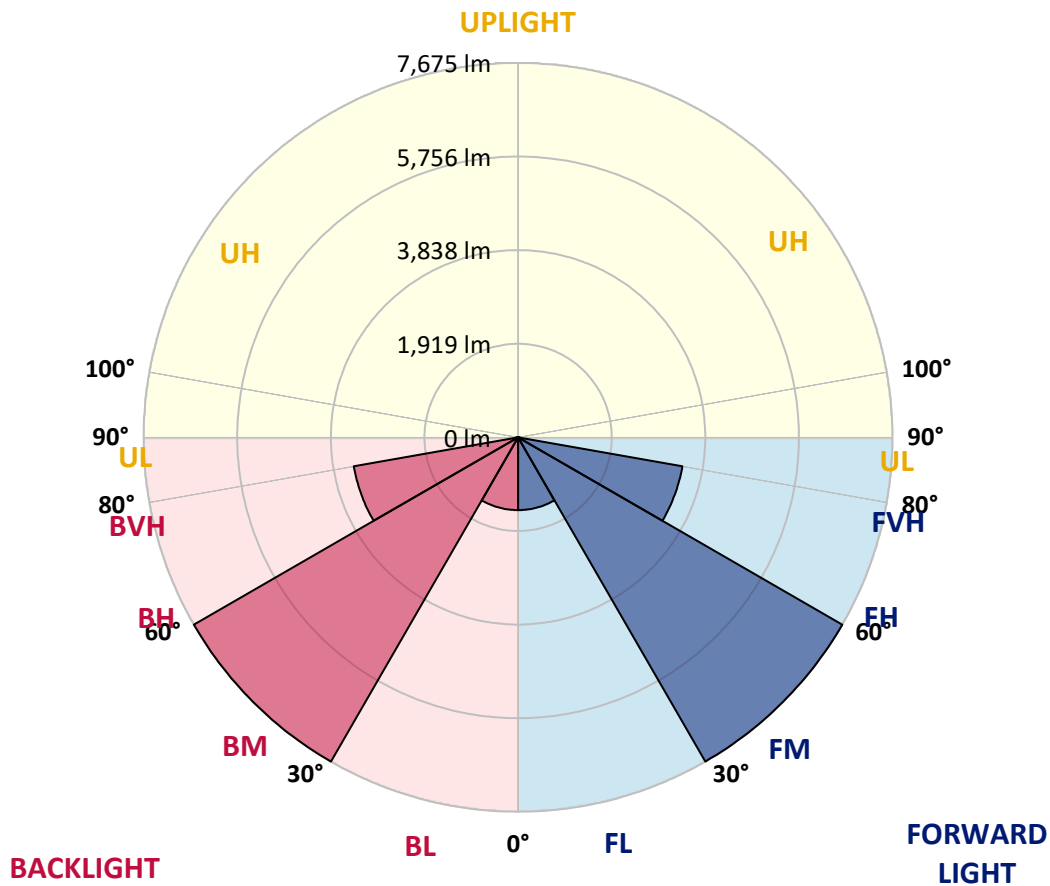
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1491.9	5.9			
FM (30°-60°)	7675.1	30.4			
FH (60°-80°)	3420.3	13.5			G2/5000
FVH (80°-90°)	35.2	0.1			G1/100
BL (0°-30°)	1491.9	5.9	B3/2500		
BM (30°-60°)	7675.1	30.4	B4/8500		
BH (60°-80°)	3420.3	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2	2945.2
2.5°	2941.7	2941.7	2948.6	2953.8	2950.4	2964.2	2962.5	2959.0	2957.3	2952.1	2967.7
5°	2981.5	2981.5	2986.7	2991.9	2983.3	3000.6	2993.6	2990.2	2988.5	2981.5	2995.4
7.5°	3026.5	3031.7	3033.5	3042.1	3036.9	3056.0	3050.8	3043.9	3040.4	3031.7	3043.9
10°	3076.8	3080.2	3082.0	3097.5	3099.3	3121.8	3116.6	3107.9	3101.0	3092.3	3109.7
12.5°	3144.3	3146.0	3151.2	3170.3	3175.5	3192.8	3191.0	3178.9	3170.3	3158.1	3177.2
15°	3230.9	3232.6	3241.2	3260.3	3268.9	3289.7	3282.8	3263.8	3251.6	3237.8	3253.4
17.5°	3320.9	3327.8	3336.5	3355.5	3367.6	3391.9	3383.2	3362.4	3352.1	3338.2	3348.6
20°	3436.9	3438.6	3443.8	3464.6	3473.3	3501.0	3502.7	3481.9	3476.7	3462.9	3478.5
22.5°	3565.0	3566.8	3571.9	3594.5	3610.0	3627.4	3637.7	3625.6	3617.0	3599.7	3618.7
25°	3707.0	3724.3	3729.5	3757.2	3774.5	3784.9	3797.0	3791.8	3779.7	3758.9	3767.6
27.5°	3906.1	3909.6	3918.2	3949.4	3959.8	3970.2	3982.3	3984.0	3966.7	3942.5	3954.6
30°	4132.9	4131.2	4150.2	4174.5	4183.1	4191.8	4209.1	4219.5	4197.0	4171.0	4183.1
32.5°	4364.9	4385.7	4410.0	4432.5	4427.3	4430.7	4458.4	4477.5	4446.3	4399.6	4410.0
35°	4626.4	4640.2	4671.4	4704.3	4697.4	4692.2	4709.5	4728.5	4685.3	4624.7	4640.2
37.5°	4894.8	4915.5	4962.3	5002.1	4991.7	4967.5	4986.5	5007.3	4965.8	4896.5	4889.6
40°	5194.3	5227.2	5294.7	5327.6	5299.9	5253.2	5286.1	5336.3	5294.7	5215.1	5196.0
42.5°	5545.8	5585.6	5653.1	5703.3	5642.7	5566.6	5622.0	5694.7	5684.3	5578.7	5545.8
45°	5980.4	6006.3	6089.5	6113.7	6023.7	5918.0	6018.5	6129.3	6103.3	5989.0	5945.7
47.5°	6453.1	6492.9	6565.6	6610.6	6465.2	6333.6	6473.8	6622.7	6595.0	6487.7	6437.5
50°	7055.6	7107.5	7202.8	7240.9	7040.0	6889.4	7069.4	7258.2	7204.5	7060.8	6995.0
52.5°	7711.8	7753.4	7916.1	7992.3	7803.6	7640.8	7798.4	7983.6	7869.4	7678.9	7590.6
55°	8290.1	8331.7	8570.6	8823.4	8814.7	8702.2	8781.8	8785.3	8475.4	8160.2	8066.8
57.5°	8414.8	8456.3	8911.7	9573.1	10040.6	10170.4	9936.7	9445.0	8664.1	8111.8	8006.2
60°	7749.9	7796.6	8520.4	9728.9	11266.4	12133.9	11056.9	9431.1	8080.6	7332.6	7232.2
62.5°	6004.6	6054.8	7027.9	8842.4	11761.6	14099.1	11382.4	8439.0	6647.0	5699.9	5611.6
65°	2867.3	2867.3	4103.5	6342.2	10774.7	14052.3	10440.5	6243.6	4001.3	3073.3	2997.1
67.5°	709.9	713.4	1056.2	2469.0	7329.2	11214.5	7448.6	2997.1	1409.4	997.3	971.3
70°	443.2	441.5	490.0	668.3	2564.3	6806.3	3045.6	903.8	573.1	505.6	502.1
72.5°	344.6	344.6	368.8	427.7	671.8	2318.4	888.2	502.1	415.5	374.0	374.0
75°	271.8	271.8	289.1	320.3	396.5	597.3	472.7	372.3	322.0	294.3	290.9
77.5°	202.6	206.0	219.9	240.7	270.1	335.9	299.5	280.5	251.1	230.3	223.4
80°	131.6	136.8	154.1	166.2	176.6	221.6	195.7	204.3	190.5	166.2	162.8
82.5°	71.0	72.7	93.5	97.0	100.4	121.2	124.7	129.9	135.1	105.6	98.7
85°	26.0	26.0	31.2	36.4	39.8	43.3	58.9	72.7	76.2	60.6	58.9
87.5°	5.2	5.2	5.2	3.5	3.5	3.5	10.4	19.0	31.2	24.2	24.2
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)