

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: P640166

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30038.1 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

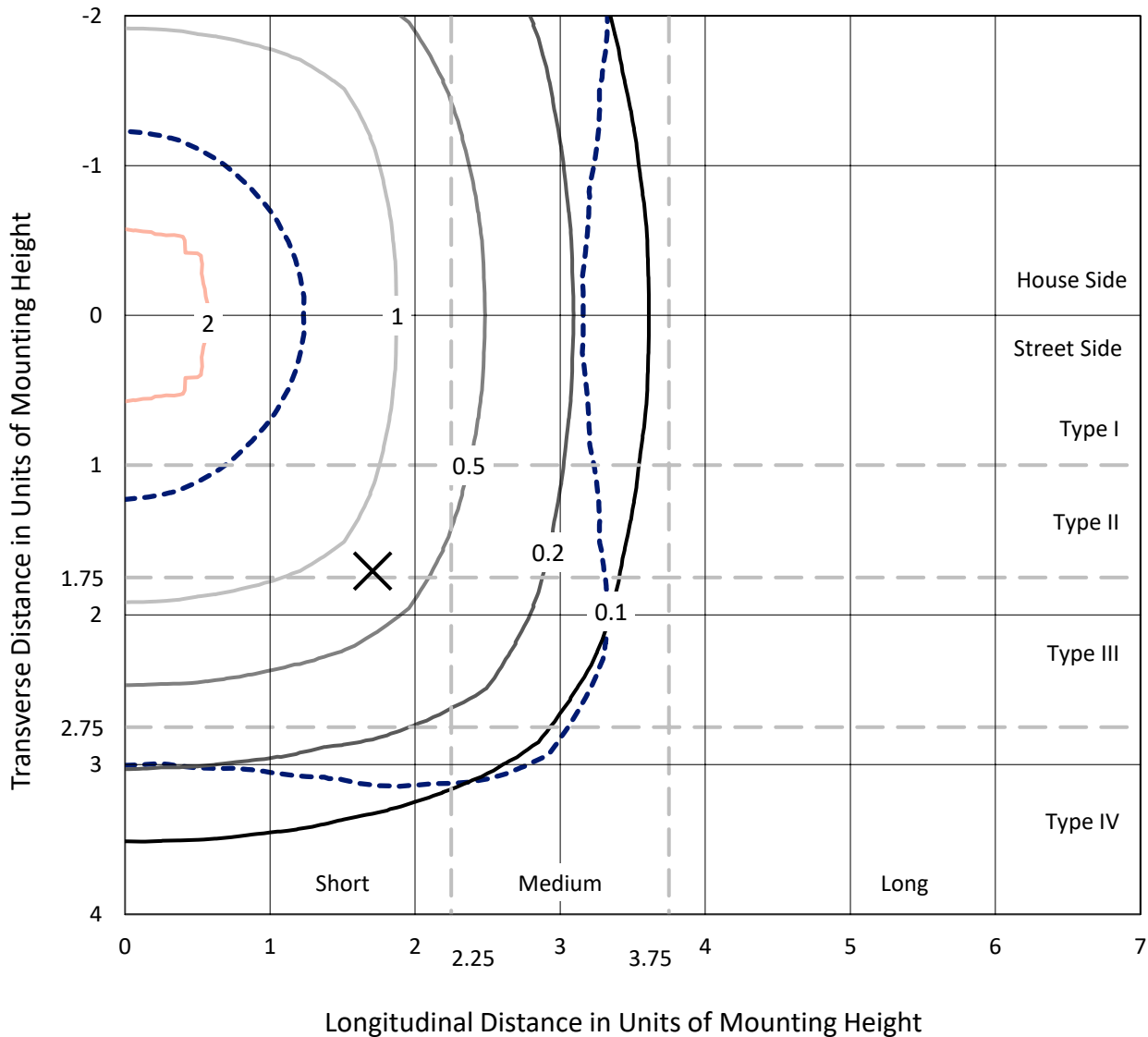
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

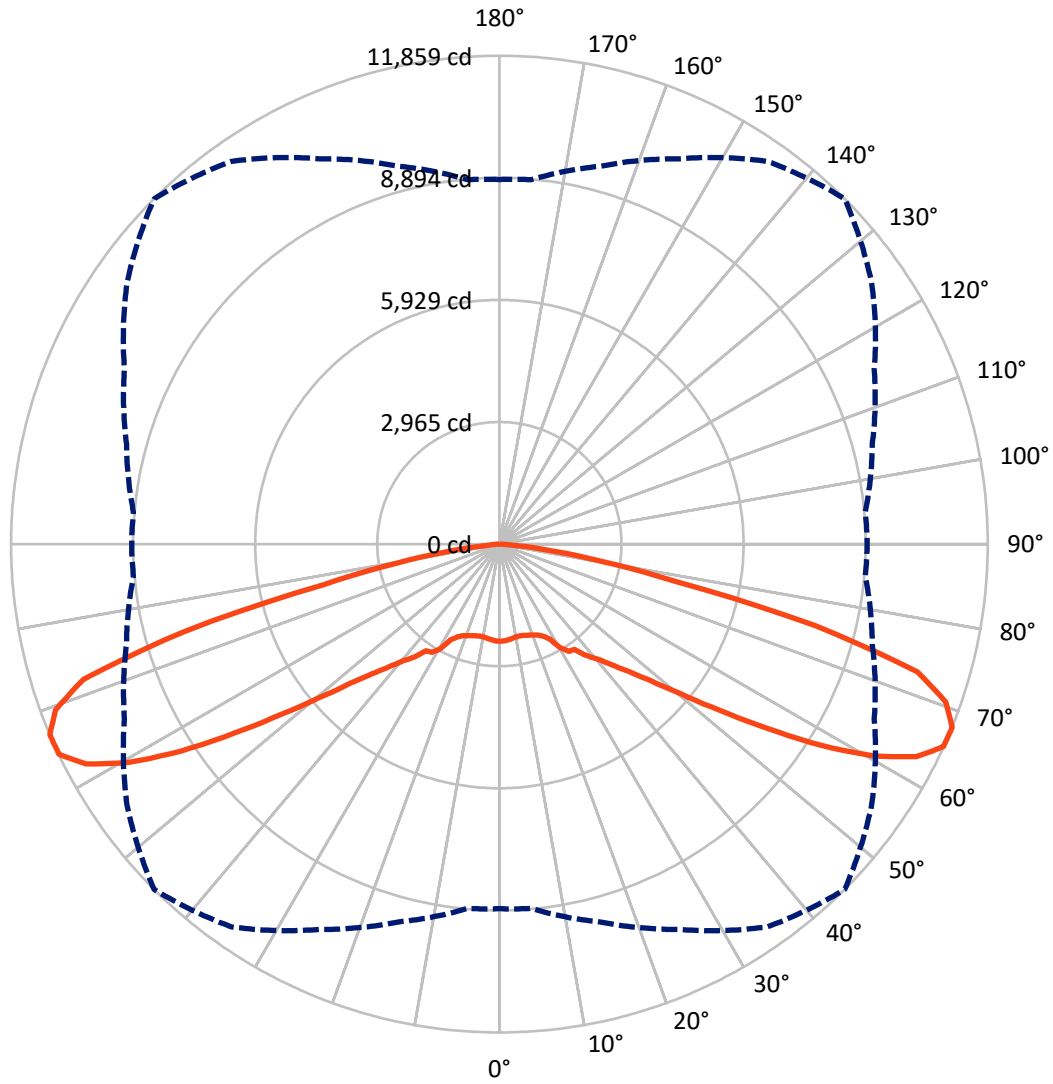
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.6 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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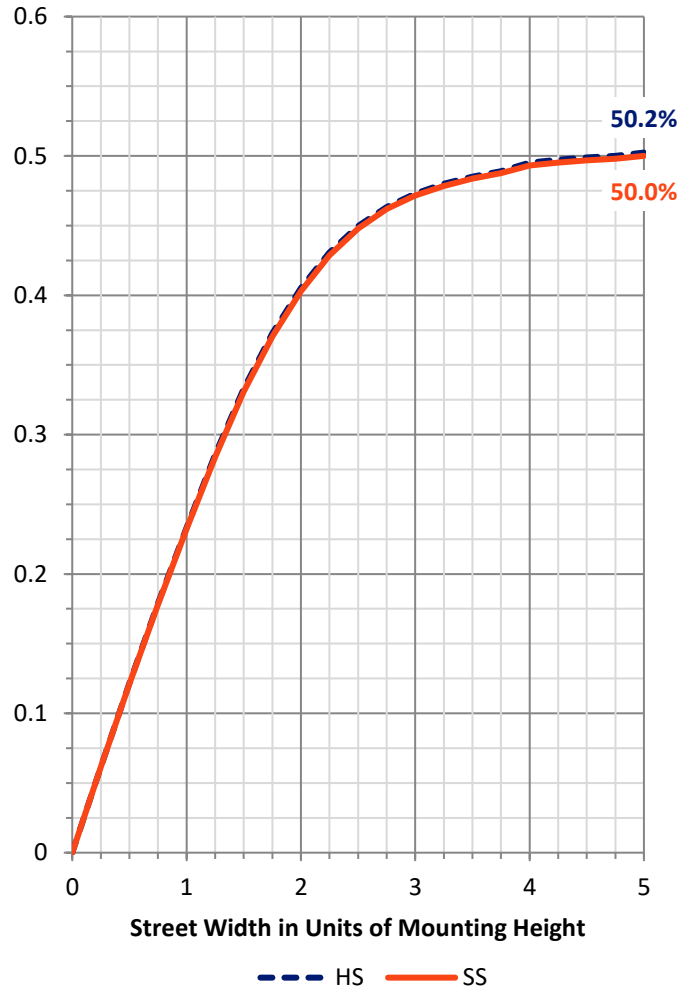
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15019.1	0.0	15019.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15019.1	0.0	15019.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	30038.1	0.0	30038.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.2	0.7
10°-20°	656.4	2.2
20°-30°	1177.4	3.9
30°-40°	1989.0	6.6
40°-50°	3494.6	11.6
50°-60°	6741.2	22.4
60°-70°	9780.5	32.6
70°-80°	5596.0	18.6
80°-90°	381.9	1.3
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°	30038.1	100.0
0°-180°	30038.1	100.0

Coefficient of Utilization

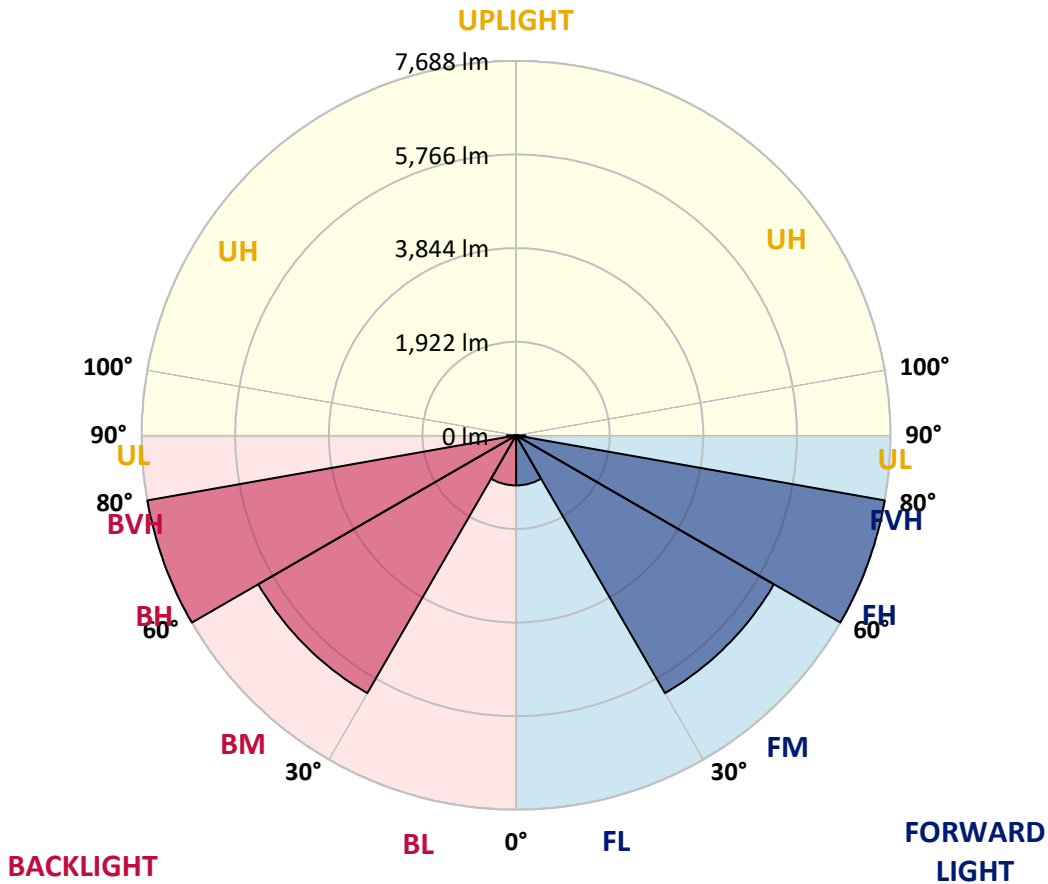


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1027.5	3.4			
FM (30°-60°)	6112.4	20.3			
FH (60°-80°)	7688.3	25.6			G4/12000
FVH (80°-90°)	191.0	0.6			G2/225
BL (0°-30°)	1027.5	3.4	B3/2500		
BM (30°-60°)	6112.4	20.3	B4/8500		
BH (60°-80°)	7688.3	25.6	B5		G4/12000
BVH (80°-90°)	191.0	0.6			G2/225
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°	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6	2355.6
2.5°	2336.5	2338.6	2342.9	2342.9	2347.1	2353.5	2355.6	2351.4	2353.5	2342.9	2353.5
5°	2330.1	2332.2	2334.4	2330.1	2330.1	2332.2	2332.2	2328.0	2330.1	2319.5	2330.1
7.5°	2315.2	2317.4	2317.4	2311.0	2304.6	2308.9	2308.9	2304.6	2306.7	2296.1	2308.9
10°	2302.5	2302.5	2300.4	2287.6	2281.3	2287.6	2289.8	2291.9	2300.4	2291.9	2306.7
12.5°	2311.0	2311.0	2304.6	2287.6	2277.0	2281.3	2285.5	2289.8	2304.6	2302.5	2319.5
15°	2334.4	2336.5	2319.5	2300.4	2294.0	2300.4	2296.1	2294.0	2313.1	2319.5	2338.6
17.5°	2353.5	2353.5	2332.2	2313.1	2315.2	2325.9	2317.4	2306.7	2325.9	2338.6	2359.8
20°	2370.5	2368.3	2345.0	2332.2	2340.7	2355.6	2349.2	2334.4	2347.1	2362.0	2381.1
22.5°	2413.0	2410.8	2385.3	2379.0	2387.5	2402.3	2396.0	2383.2	2398.1	2419.3	2442.7
25°	2534.0	2529.8	2491.5	2470.3	2466.1	2476.7	2474.5	2470.3	2493.7	2519.2	2546.8
27.5°	2695.5	2693.3	2665.7	2644.5	2616.9	2608.4	2614.7	2633.9	2667.8	2687.0	2710.3
30°	2776.2	2776.2	2771.9	2805.9	2865.4	2922.7	2878.1	2805.9	2776.2	2767.7	2791.0
32.5°	2882.4	2893.0	2878.1	2916.4	3016.2	3101.2	3016.2	2899.4	2878.1	2878.1	2903.6
35°	3126.6	3130.9	3107.5	3101.2	3133.0	3143.6	3103.3	3060.8	3084.2	3088.4	3120.3
37.5°	3322.1	3322.1	3311.4	3328.4	3394.3	3434.6	3368.8	3292.3	3298.7	3302.9	3343.3
40°	3623.7	3632.2	3606.7	3604.6	3630.0	3666.2	3596.1	3547.2	3581.2	3591.8	3653.4
42.5°	3999.6	3999.6	3961.4	3950.8	3967.8	4006.0	3940.2	3908.3	3952.9	3961.4	3997.5
45°	4447.8	4458.4	4407.5	4388.3	4396.8	4409.6	4362.9	4348.0	4390.5	4409.6	4473.3
47.5°	4993.7	5004.3	4959.7	4957.6	4949.1	4957.6	4913.0	4904.5	4938.5	4923.6	4991.6
50°	5667.0	5686.2	5647.9	5701.0	5694.6	5720.1	5658.5	5613.9	5613.9	5573.6	5611.8
52.5°	6421.1	6459.3	6478.4	6567.6	6635.6	6699.3	6597.4	6527.3	6425.3	6342.5	6446.6
55°	7243.1	7232.5	7353.6	7549.0	7748.6	7899.4	7699.8	7478.9	7313.2	7141.1	7181.5
57.5°	7963.2	7999.3	8158.6	8515.4	8910.5	9229.1	8870.1	8445.3	8069.4	7823.0	7857.0
60°	8562.1	8591.9	8804.3	9318.3	10008.6	10448.3	9879.1	9178.1	8632.2	8292.4	8328.5
62.5°	9114.4	9142.0	9356.6	9923.7	10794.6	11368.1	10633.1	9675.2	9067.7	8725.7	8746.9
65°	9433.0	9450.0	9743.1	10340.0	11257.6	11850.2	11021.8	10034.1	9437.3	9088.9	9101.7
67.5°	8853.1	8880.8	9498.9	10323.0	11346.8	11858.7	11038.8	10044.8	9373.5	8919.0	8929.6
70°	6984.0	6960.6	7697.7	9114.4	10834.9	11501.9	10548.2	9290.7	8254.2	7619.1	7608.4
72.5°	5325.1	5331.4	5741.4	6712.1	8834.0	10614.0	9307.7	7481.0	6363.7	5881.6	5862.4
75°	3861.6	3921.0	4254.5	4966.1	6178.9	7933.4	7007.3	5543.8	4796.2	4507.3	4464.8
77.5°	1739.6	1816.1	2281.3	3118.1	4131.3	4384.1	4401.1	3763.9	2839.9	2359.8	2285.5
80°	507.7	543.8	698.8	1195.9	1924.4	2487.3	1975.4	1661.0	1034.4	811.4	773.2
82.5°	214.5	244.3	299.5	331.4	558.6	1153.4	717.9	456.7	424.8	344.1	314.4
85°	91.3	97.7	125.3	133.8	180.5	246.4	227.3	206.0	197.5	152.9	140.2
87.5°	38.2	38.2	38.2	34.0	31.9	34.0	46.7	59.5	78.6	61.6	57.4
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)