

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: P635211

Luminaire Tested: GWS-SA3D-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12213.7 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

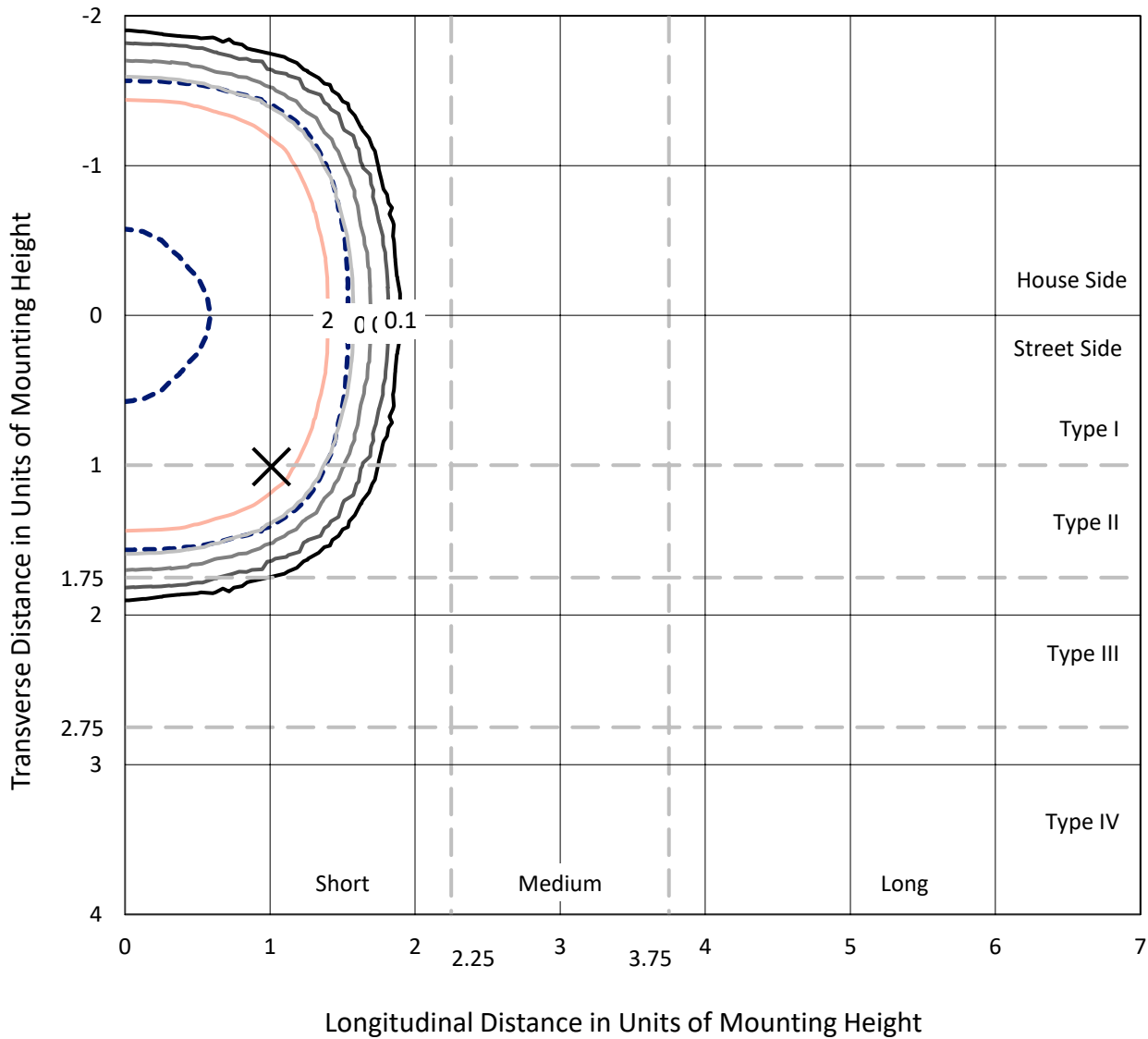
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

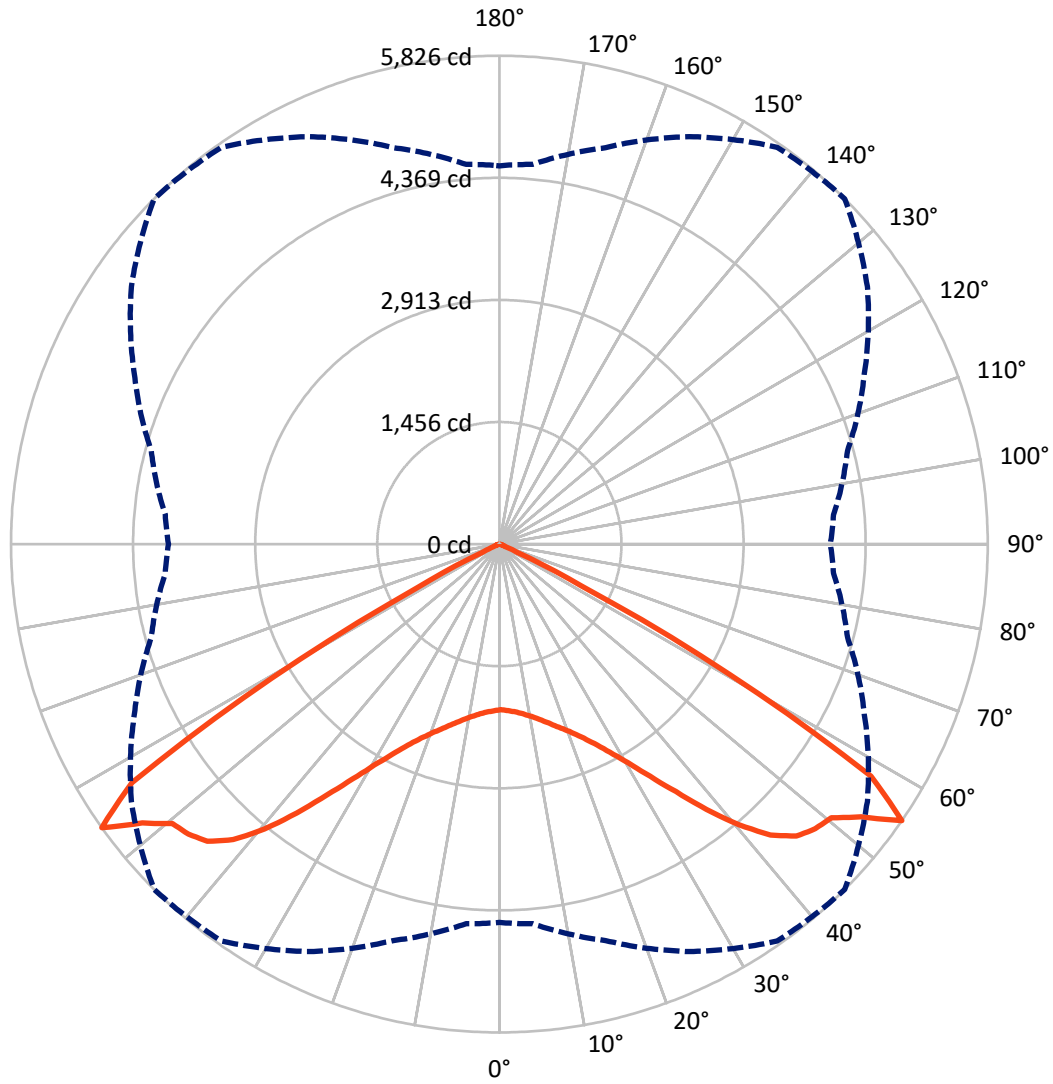
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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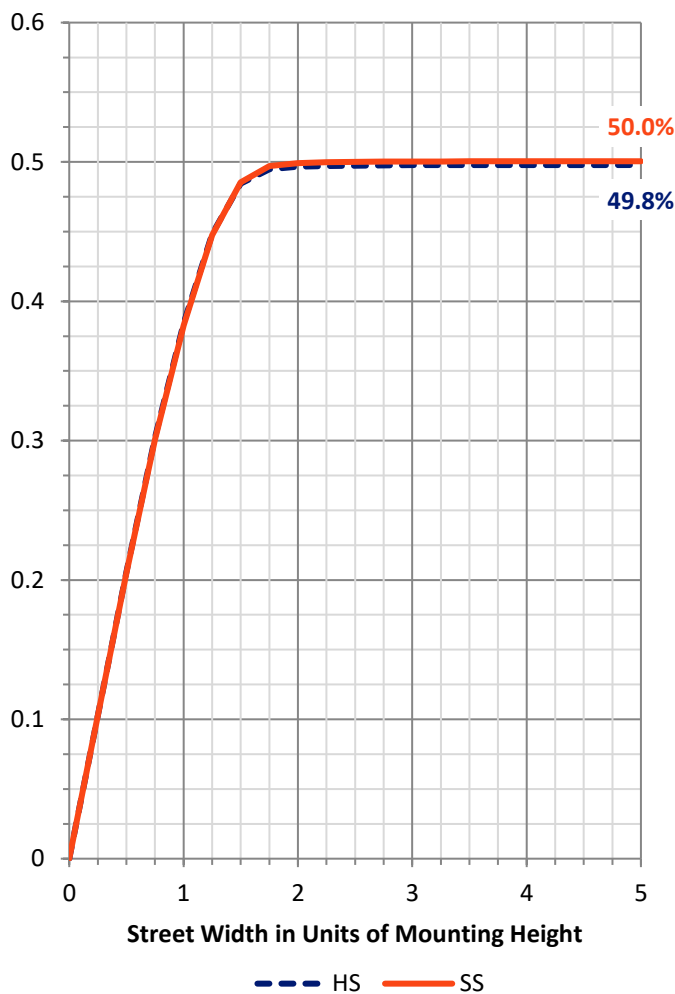
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6106.9	0.0	6106.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6106.9	0.0	6106.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12213.7	0.0	12213.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	1.6
10°-20°	627.2	5.1
20°-30°	1214.6	9.9
30°-40°	2176.0	17.8
40°-50°	3648.3	29.9
50°-60°	3905.3	32.0
60°-70°	429.1	3.5
70°-80°	18.9	0.2
80°-90°	0.9	0.0
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°	12213.7	100.0
0°-180°	12213.7	100.0

Coefficient of Utilization



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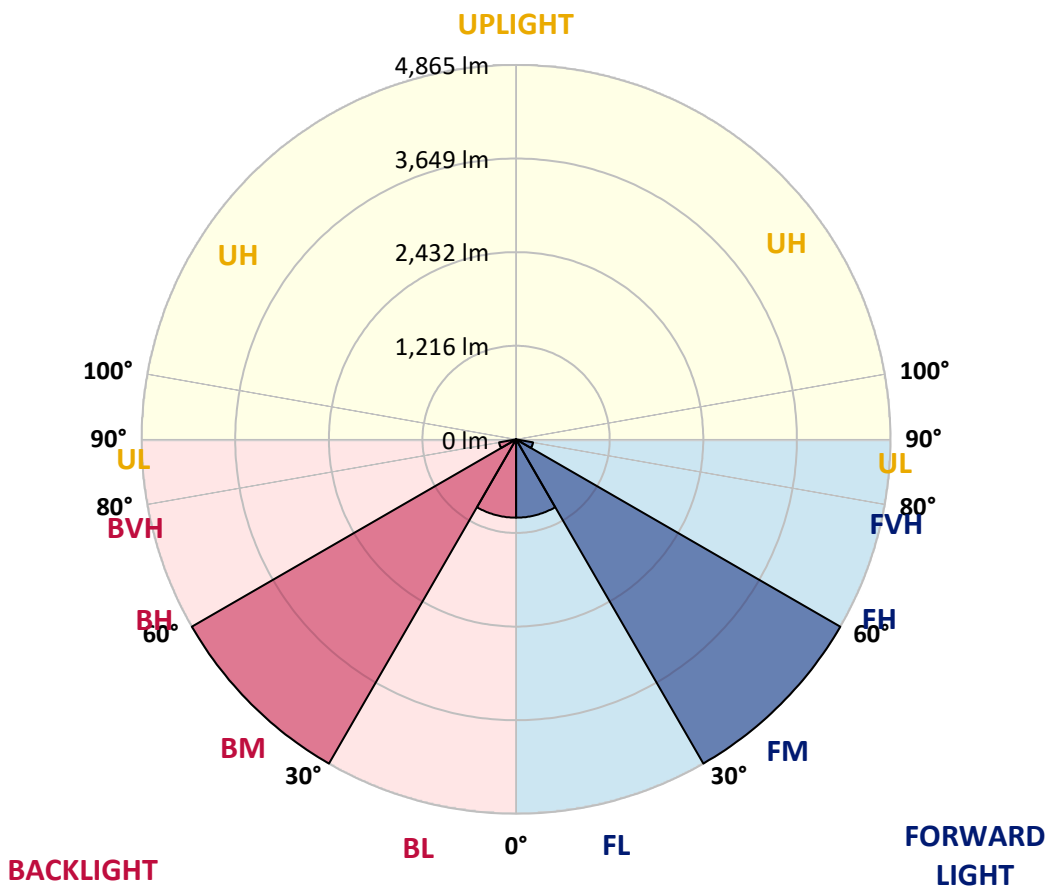
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.6	8.3			
FM (30°-60°)	4864.8	39.8			
FH (60°-80°)	224.0	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1017.6	8.3	B3/2500		
BM (30°-60°)	4864.8	39.8	B3/5000		
BH (60°-80°)	224.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7	1974.7
2.5°	1971.0	1971.0	1976.0	1979.7	1979.7	1989.7	1985.9	1982.2	1982.2	1977.2	1987.2
5°	1999.6	1998.4	2003.4	2005.8	2000.9	2010.8	2004.6	2000.9	1998.4	1993.4	2003.4
7.5°	2030.7	2032.0	2033.2	2038.2	2035.7	2045.7	2040.7	2033.2	2030.7	2023.3	2033.2
10°	2068.1	2068.1	2070.5	2076.8	2078.0	2090.5	2085.5	2076.8	2069.3	2061.8	2071.8
12.5°	2115.3	2116.6	2120.3	2129.0	2134.0	2147.7	2140.2	2122.8	2111.6	2102.9	2114.1
15°	2183.8	2182.5	2187.5	2200.0	2206.2	2216.1	2204.9	2181.3	2167.6	2157.7	2165.1
17.5°	2258.4	2258.4	2260.9	2273.4	2282.1	2297.0	2283.3	2254.7	2242.3	2228.6	2236.0
20°	2340.6	2344.3	2346.8	2355.5	2370.4	2385.4	2374.2	2345.5	2331.9	2314.4	2323.1
22.5°	2448.8	2445.1	2446.3	2461.3	2482.4	2497.4	2488.6	2455.0	2431.4	2417.7	2422.7
25°	2569.5	2568.3	2572.0	2594.4	2618.0	2634.2	2621.8	2578.2	2554.6	2530.9	2540.9
27.5°	2717.6	2718.8	2721.3	2748.7	2786.0	2809.7	2778.6	2735.0	2702.7	2671.6	2679.0
30°	2893.0	2890.6	2898.0	2935.4	2990.1	3027.4	2991.3	2930.4	2884.3	2854.5	2858.2
32.5°	3079.7	3082.2	3102.1	3161.8	3234.0	3299.9	3226.5	3145.6	3085.9	3029.9	3037.4
35°	3281.3	3287.5	3332.3	3420.6	3538.8	3627.2	3525.2	3392.0	3307.4	3235.2	3237.7
37.5°	3518.9	3533.9	3596.1	3728.0	3897.2	4015.4	3866.1	3689.4	3579.9	3490.3	3484.1
40°	3831.3	3848.7	3933.3	4090.1	4295.4	4403.6	4230.7	4049.0	3913.4	3816.3	3801.4
42.5°	4189.6	4212.0	4304.1	4464.6	4669.9	4743.3	4574.1	4421.1	4299.1	4184.6	4179.7
45°	4594.0	4606.5	4681.1	4804.3	4952.4	4969.8	4842.9	4758.3	4635.1	4528.1	4519.4
47.5°	4973.5	4986.0	5037.0	5100.5	5135.3	5073.1	5050.7	5013.4	4854.1	4722.2	4694.8
50°	5262.2	5272.2	5335.6	5360.5	5263.5	5131.6	5175.1	5095.5	4922.5	4774.5	4732.1
52.5°	5242.3	5267.2	5430.2	5572.1	5511.1	5404.1	5287.1	5115.4	4846.6	4643.8	4591.5
55°	4513.1	4546.7	4896.4	5363.0	5779.9	5825.9	5358.0	4804.3	4299.1	4001.7	3948.2
57.5°	2900.5	2909.2	3336.0	3990.5	4930.0	5226.1	4443.5	3622.2	2993.8	2666.6	2644.2
60°	1066.4	1049.0	1371.2	1913.8	2839.5	3153.1	2615.6	1831.6	1306.5	1075.1	1056.4
62.5°	256.3	258.8	321.0	481.6	890.9	1102.5	871.0	486.5	309.8	260.1	257.6
65°	129.4	126.9	128.2	138.1	190.4	227.7	186.6	131.9	126.9	128.2	126.9
67.5°	83.4	82.1	84.6	85.9	84.6	79.6	78.4	80.9	80.9	82.1	79.6
70°	51.0	49.8	52.3	56.0	53.5	47.3	49.8	52.3	49.8	48.5	48.5
72.5°	27.4	27.4	29.9	32.4	29.9	27.4	27.4	28.6	27.4	27.4	27.4
75°	12.4	12.4	13.7	14.9	12.4	12.4	12.4	12.4	12.4	12.4	12.4
77.5°	3.7	3.7	5.0	5.0	3.7	3.7	3.7	3.7	5.0	5.0	5.0
80°	1.2	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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)