

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: P635321

Luminaire Tested: GWS-SA3D-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635321
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12667.3 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

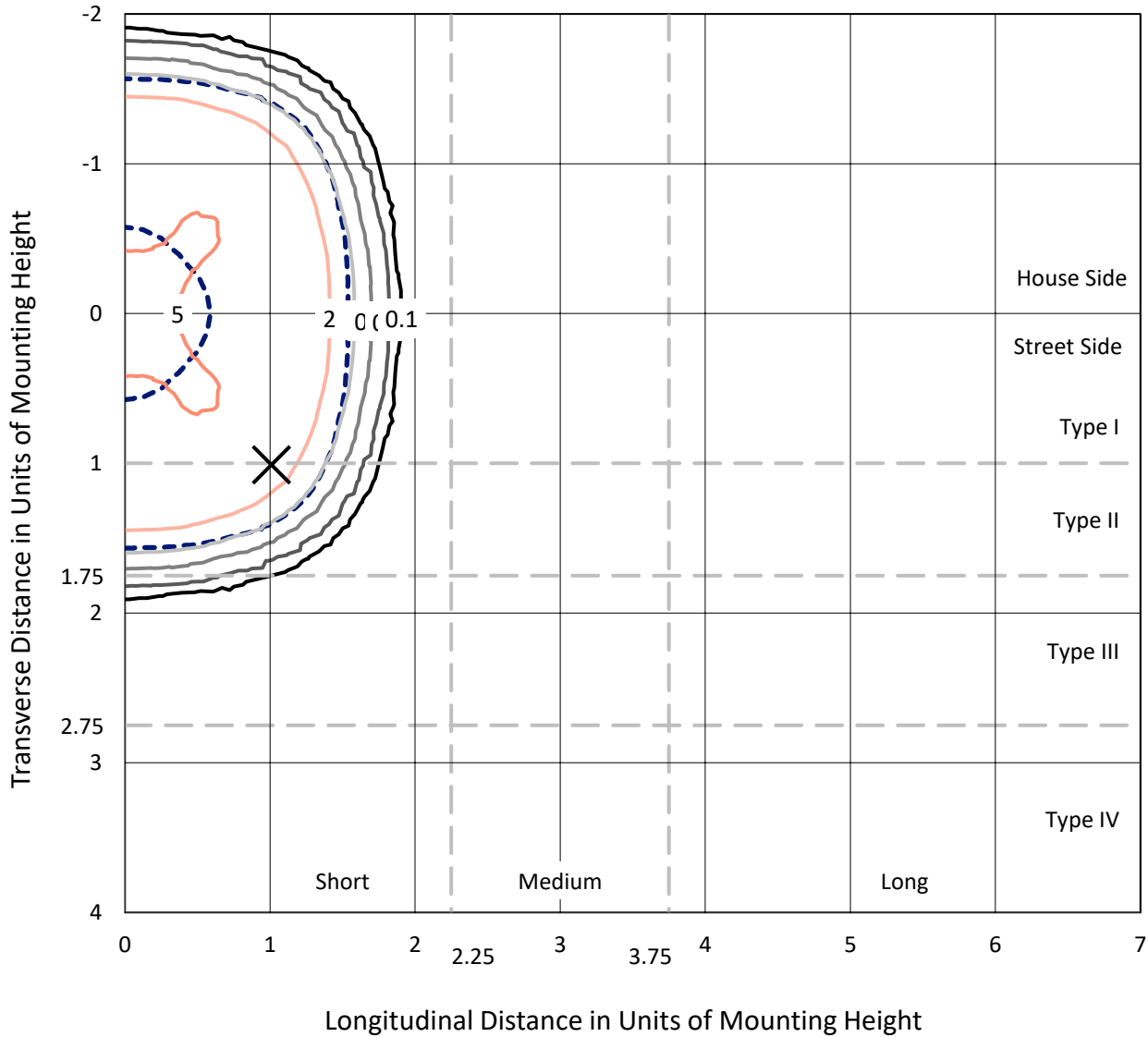
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

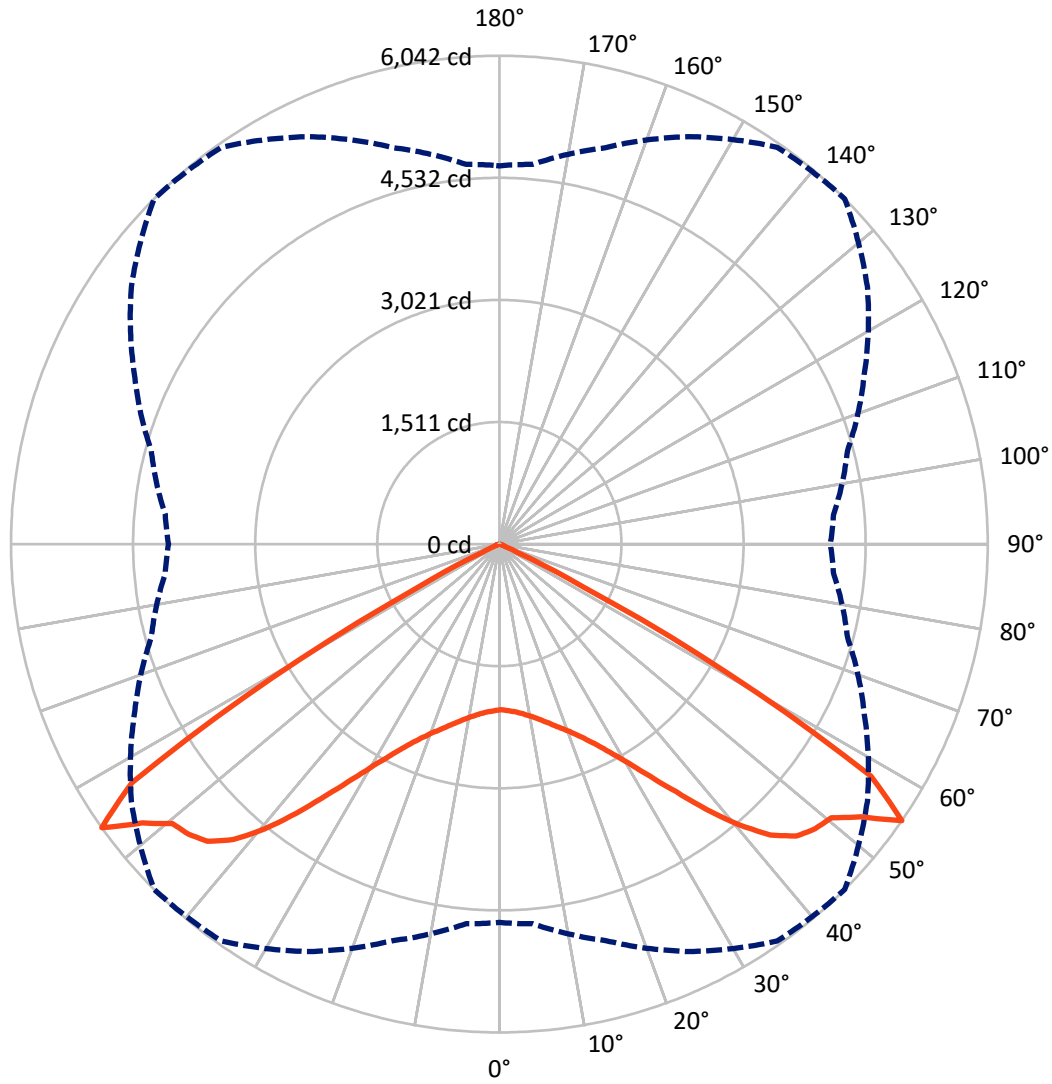
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	6333.7	0.0	6333.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6333.7	0.0	6333.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12667.3	0.0	12667.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	1.6
10°-20°	650.5	5.1
20°-30°	1259.7	9.9
30°-40°	2256.8	17.8
40°-50°	3783.7	29.9
50°-60°	4050.3	32.0
60°-70°	445.1	3.5
70°-80°	19.6	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°	12667.3	100.0
0°-180°	12667.3	100.0

Coefficient of Utilization



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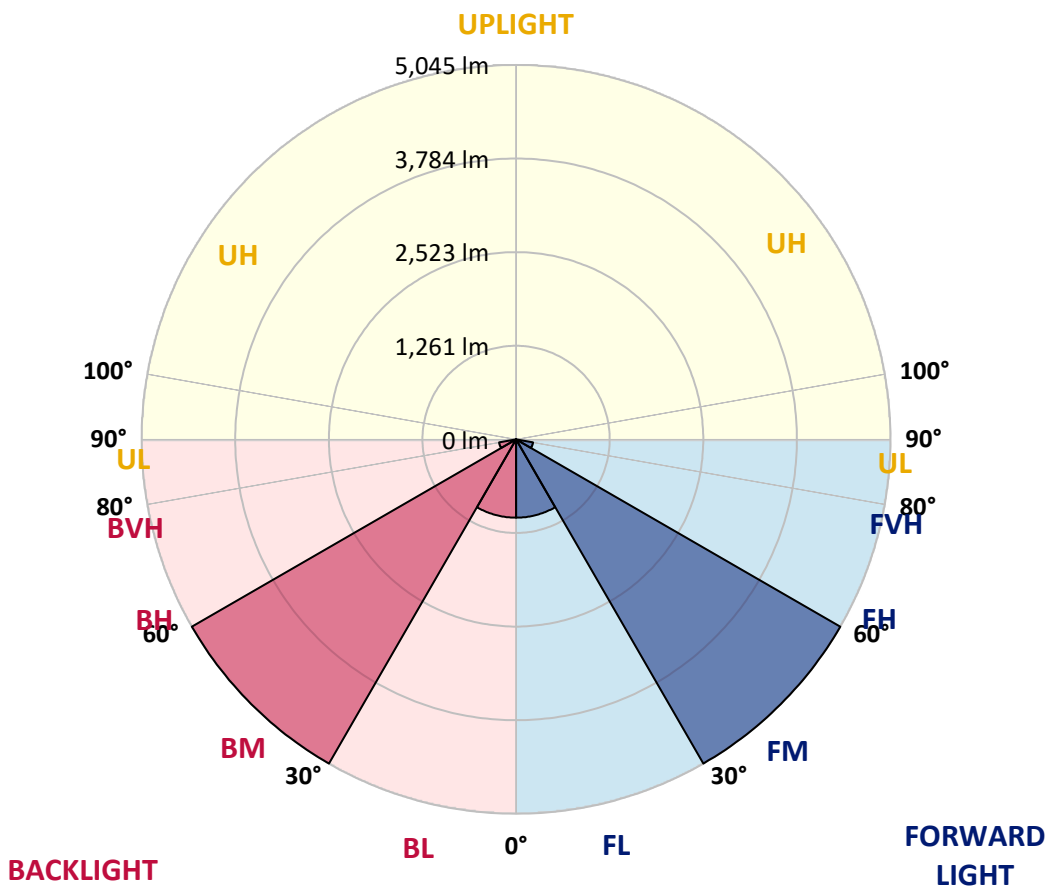
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.4	8.3			
FM (30°-60°)	5045.4	39.8			
FH (60°-80°)	232.3	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1055.4	8.3	B3/2500		
BM (30°-60°)	5045.4	39.8	B4/8500		
BH (60°-80°)	232.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1	2048.1
2.5°	2044.2	2044.2	2049.3	2053.2	2053.2	2063.5	2059.7	2055.8	2055.8	2050.6	2061.0
5°	2073.9	2072.6	2077.7	2080.3	2075.2	2085.5	2079.0	2075.2	2072.6	2067.4	2077.7
7.5°	2106.1	2107.4	2108.7	2113.9	2111.3	2121.6	2116.5	2108.7	2106.1	2098.4	2108.7
10°	2144.8	2144.8	2147.4	2153.9	2155.2	2168.1	2162.9	2153.9	2146.1	2138.4	2148.7
12.5°	2193.9	2195.2	2199.0	2208.1	2213.2	2227.4	2219.7	2201.6	2190.0	2181.0	2192.6
15°	2264.9	2263.6	2268.7	2281.6	2288.1	2298.4	2286.8	2262.3	2248.1	2237.8	2245.5
17.5°	2342.3	2342.3	2344.9	2357.8	2366.8	2382.3	2368.1	2338.4	2325.5	2311.3	2319.1
20°	2427.5	2431.3	2433.9	2443.0	2458.4	2473.9	2462.3	2432.6	2418.4	2400.4	2409.4
22.5°	2539.7	2535.9	2537.2	2552.7	2574.6	2590.1	2581.0	2546.2	2521.7	2507.5	2512.6
25°	2664.9	2663.6	2667.5	2690.7	2715.3	2732.0	2719.1	2674.0	2649.4	2624.9	2635.2
27.5°	2818.5	2819.8	2822.4	2850.8	2889.5	2914.0	2881.7	2836.6	2803.0	2770.8	2778.5
30°	3000.5	2997.9	3005.6	3044.3	3101.1	3139.8	3102.4	3039.2	2991.4	2960.5	2964.3
32.5°	3194.0	3196.6	3217.3	3279.2	3354.1	3422.5	3346.3	3262.4	3200.5	3142.4	3150.2
35°	3403.1	3409.6	3456.0	3547.6	3670.2	3761.9	3656.0	3518.0	3430.2	3355.4	3357.9
37.5°	3649.6	3665.1	3729.6	3866.4	4041.9	4164.5	4009.7	3826.4	3712.8	3619.9	3613.5
40°	3973.5	3991.6	4079.3	4241.9	4454.9	4567.2	4387.8	4199.4	4058.7	3958.0	3942.5
42.5°	4345.2	4368.4	4463.9	4630.4	4843.3	4919.5	4744.0	4585.2	4458.8	4340.0	4334.9
45°	4764.6	4777.5	4854.9	4982.7	5136.3	5154.3	5022.7	4935.0	4807.2	4696.2	4687.2
47.5°	5158.2	5171.1	5224.0	5289.8	5326.0	5261.5	5238.2	5199.5	5034.3	4897.5	4869.1
50°	5457.6	5467.9	5533.8	5559.6	5458.9	5322.1	5367.3	5284.7	5105.3	4951.7	4907.9
52.5°	5437.0	5462.8	5631.8	5779.0	5715.7	5604.7	5483.4	5305.3	5026.6	4816.2	4762.0
55°	4680.7	4715.6	5078.2	5562.1	5994.5	6042.2	5557.0	4982.7	4458.8	4150.3	4094.8
57.5°	3008.2	3017.2	3459.9	4138.7	5113.0	5420.2	4608.5	3756.7	3105.0	2765.6	2742.4
60°	1106.0	1087.9	1422.2	1984.8	2945.0	3270.2	2712.7	1899.6	1355.0	1115.0	1095.7
62.5°	265.8	268.4	333.0	499.4	924.0	1143.4	903.4	504.6	321.3	269.7	267.1
65°	134.2	131.6	132.9	143.2	197.4	236.2	193.6	136.8	131.6	132.9	131.6
67.5°	86.5	85.2	87.8	89.0	87.8	82.6	81.3	83.9	83.9	85.2	82.6
70°	52.9	51.6	54.2	58.1	55.5	49.0	51.6	54.2	51.6	50.3	50.3
72.5°	28.4	28.4	31.0	33.6	31.0	28.4	28.4	29.7	28.4	28.4	28.4
75°	12.9	12.9	14.2	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9
77.5°	3.9	3.9	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
80°	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)