

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: P635378

Luminaire Tested: GWS-SA3D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635378
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-SA3D-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18557.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

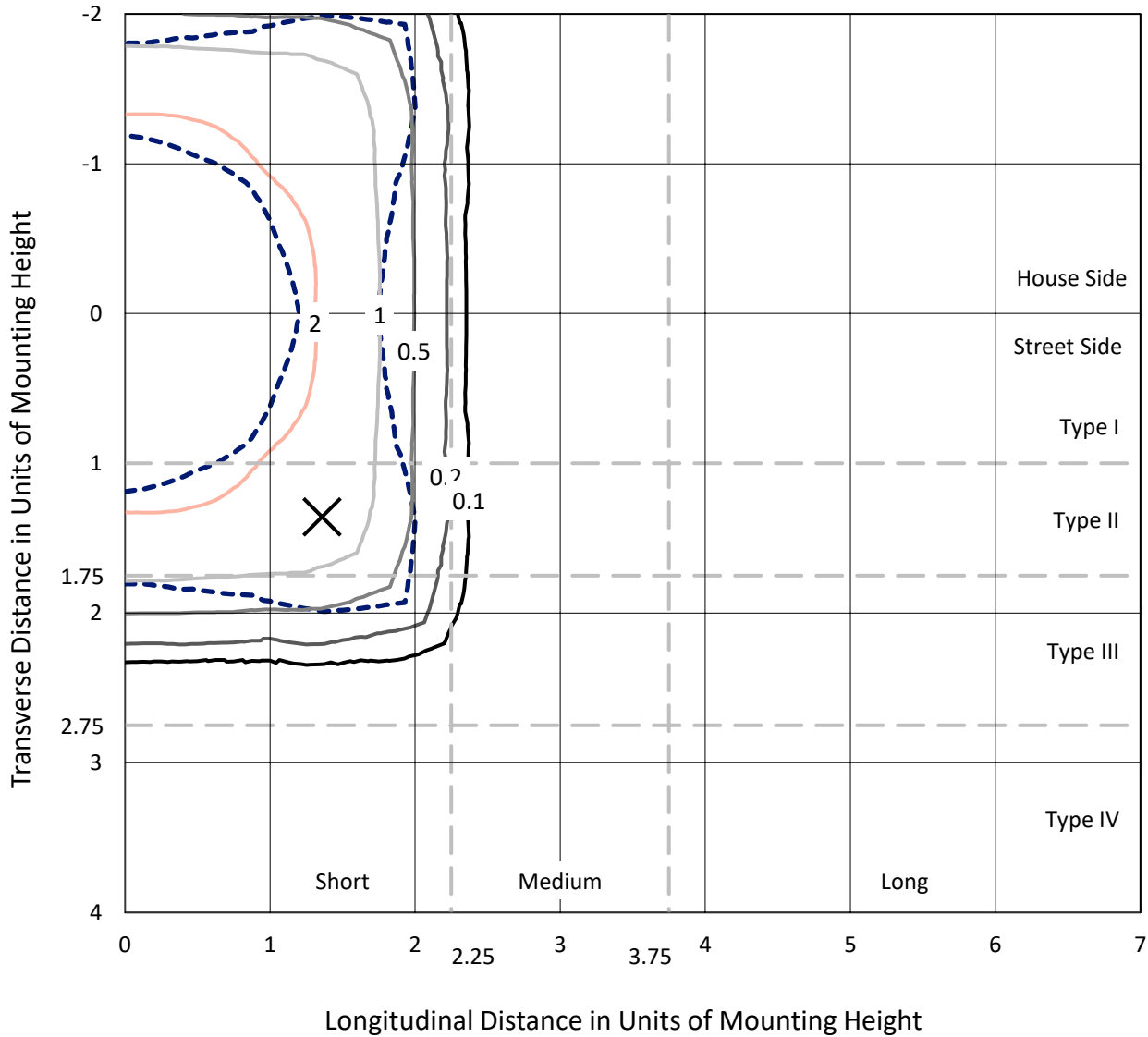
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

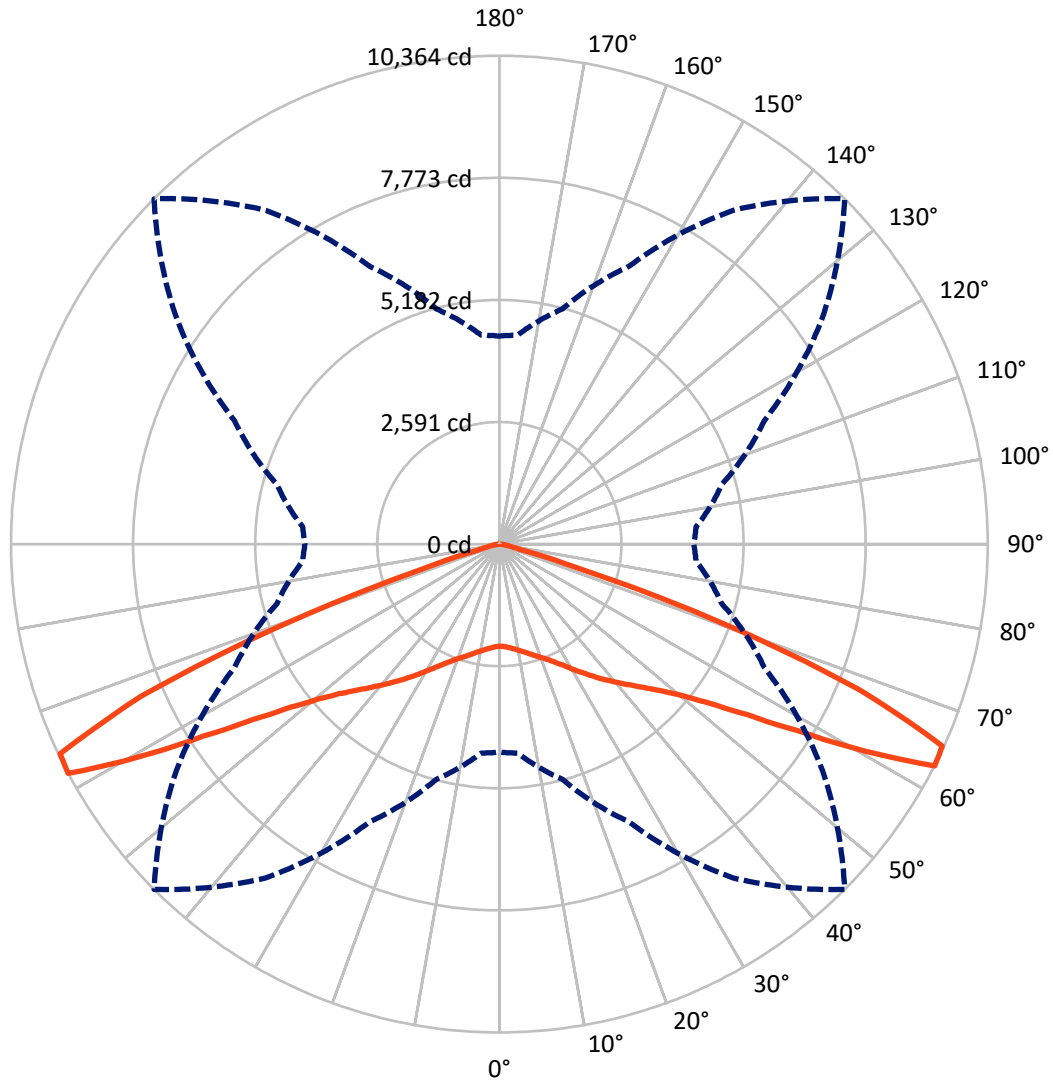
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	9278.6	0.0	9278.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9278.6	0.0	9278.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18557.2	0.0	18557.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	1.1
10°-20°	685.0	3.7
20°-30°	1295.9	7.0
30°-40°	2181.2	11.8
40°-50°	3484.9	18.8
50°-60°	5617.5	30.3
60°-70°	4583.3	24.7
70°-80°	445.1	2.4
80°-90°	51.8	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°	18557.2	100.0
0°-180°	18557.2	100.0

Coefficient of Utilization



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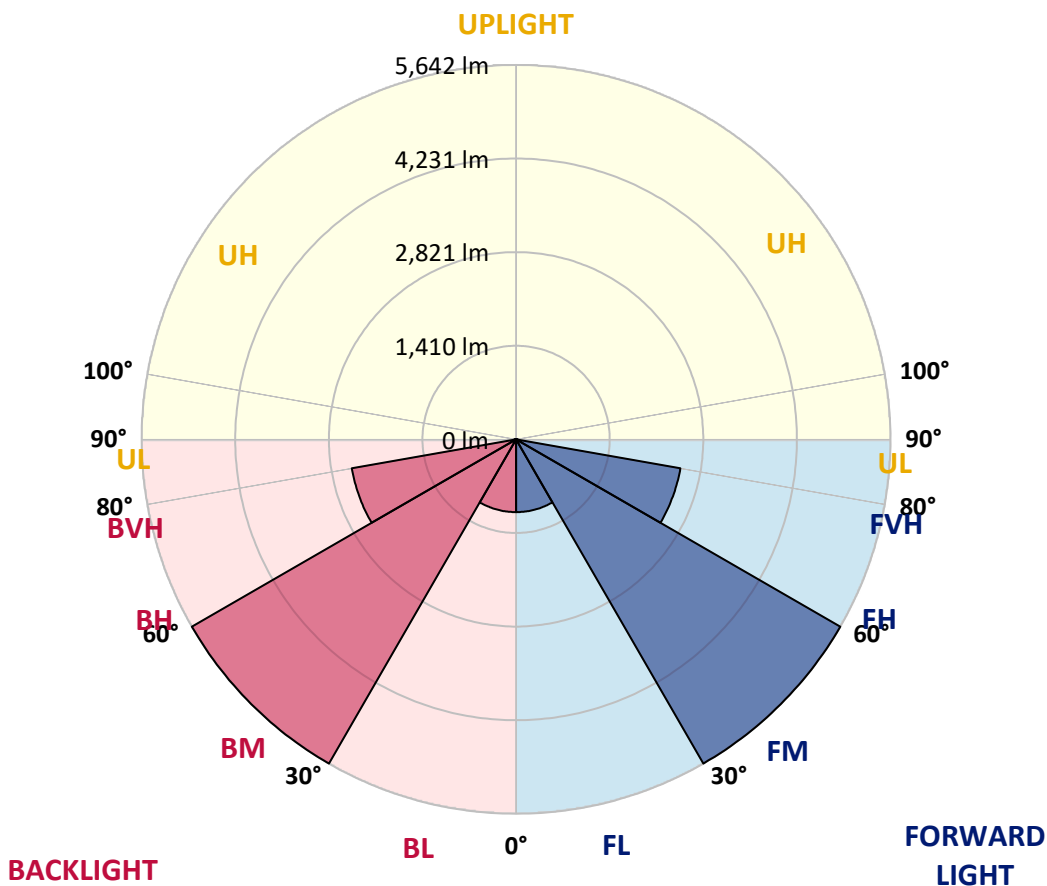
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.7	5.9			
FM (30°-60°)	5641.9	30.4			
FH (60°-80°)	2514.2	13.5			G2/5000
FVH (80°-90°)	25.9	0.1			G1/100
BL (0°-30°)	1096.7	5.9	B3/2500		
BM (30°-60°)	5641.9	30.4	B4/8500		
BH (60°-80°)	2514.2	13.5	B4/5000		G2/5000
BVH (80°-90°)	25.9	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°	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9	2164.9
2.5°	2162.4	2162.4	2167.5	2171.3	2168.8	2178.9	2177.7	2175.1	2173.9	2170.0	2181.5
5°	2191.7	2191.7	2195.5	2199.3	2192.9	2205.7	2200.6	2198.0	2196.8	2191.7	2201.9
7.5°	2224.8	2228.6	2229.9	2236.2	2232.4	2246.4	2242.6	2237.5	2234.9	2228.6	2237.5
10°	2261.7	2264.2	2265.5	2276.9	2278.2	2294.8	2290.9	2284.6	2279.5	2273.1	2285.9
12.5°	2311.3	2312.6	2316.4	2330.4	2334.2	2347.0	2345.7	2336.8	2330.4	2321.5	2335.5
15°	2375.0	2376.2	2382.6	2396.6	2403.0	2418.2	2413.1	2399.1	2390.2	2380.0	2391.5
17.5°	2441.1	2446.2	2452.6	2466.6	2475.5	2493.3	2487.0	2471.7	2464.0	2453.9	2461.5
20°	2526.4	2527.7	2531.5	2546.8	2553.1	2573.5	2574.8	2559.5	2555.7	2545.5	2557.0
22.5°	2620.6	2621.9	2625.7	2642.2	2653.7	2666.4	2674.0	2665.1	2658.8	2646.0	2660.0
25°	2725.0	2737.7	2741.5	2761.9	2774.6	2782.2	2791.1	2787.3	2778.4	2763.1	2769.5
27.5°	2871.3	2873.9	2880.2	2903.1	2910.8	2918.4	2927.3	2928.6	2915.9	2898.1	2907.0
30°	3038.1	3036.8	3050.8	3068.6	3075.0	3081.3	3094.1	3101.7	3085.1	3066.1	3075.0
32.5°	3208.6	3223.9	3241.7	3258.2	3254.4	3257.0	3277.3	3291.3	3268.4	3234.1	3241.7
35°	3400.8	3411.0	3433.9	3458.1	3453.0	3449.2	3461.9	3475.9	3444.1	3399.5	3411.0
37.5°	3598.1	3613.3	3647.7	3677.0	3669.3	3651.5	3665.5	3680.8	3650.2	3599.3	3594.2
40°	3818.2	3842.4	3892.1	3916.3	3895.9	3861.5	3885.7	3922.6	3892.1	3833.5	3819.5
42.5°	4076.6	4105.9	4155.5	4192.4	4147.9	4091.9	4132.6	4186.1	4178.4	4100.8	4076.6
45°	4396.1	4415.2	4476.3	4494.1	4427.9	4350.3	4424.1	4505.5	4486.4	4402.4	4370.6
47.5°	4743.5	4772.8	4826.3	4859.4	4752.4	4655.7	4758.8	4868.3	4847.9	4769.0	4732.1
50°	5186.5	5224.6	5294.6	5322.6	5175.0	5064.3	5196.6	5335.4	5295.9	5190.3	5141.9
52.5°	5668.8	5699.4	5819.0	5875.0	5736.3	5616.6	5732.5	5868.6	5784.6	5644.6	5579.7
55°	6093.9	6124.5	6300.1	6485.9	6479.6	6396.8	6455.4	6457.9	6230.1	5998.5	5929.7
57.5°	6185.6	6216.1	6550.8	7037.0	7380.7	7476.1	7304.3	6942.9	6368.8	5962.8	5885.2
60°	5696.8	5731.2	6263.2	7151.6	8281.8	8919.4	8127.8	6932.7	5939.9	5390.1	5316.3
62.5°	4413.9	4450.8	5166.1	6499.9	8645.8	10364.0	8367.1	6203.4	4886.1	4189.9	4125.0
65°	2107.7	2107.7	3016.4	4662.1	7920.3	10329.6	7674.7	4589.5	2941.3	2259.1	2203.1
67.5°	521.8	524.4	776.4	1814.9	5387.6	8243.6	5475.4	2203.1	1036.0	733.1	714.0
70°	325.8	324.6	360.2	491.3	1884.9	5003.2	2238.8	664.4	421.3	371.6	369.1
72.5°	253.3	253.3	271.1	314.4	493.8	1704.2	652.9	369.1	305.5	274.9	274.9
75°	199.8	199.8	212.5	235.5	291.5	439.1	347.5	273.6	236.7	216.4	213.8
77.5°	148.9	151.5	161.6	176.9	198.5	246.9	220.2	206.2	184.5	169.3	164.2
80°	96.7	100.5	113.3	122.2	129.8	162.9	143.8	150.2	140.0	122.2	119.6
82.5°	52.2	53.5	68.7	71.3	73.8	89.1	91.6	95.5	99.3	77.6	72.5
85°	19.1	19.1	22.9	26.7	29.3	31.8	43.3	53.5	56.0	44.5	43.3
87.5°	3.8	3.8	3.8	2.5	2.5	2.5	7.6	14.0	22.9	17.8	17.8
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)