

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: P635213

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635213
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-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18141.5 lumens
Efficiency: N/A
Efficacy: 150.2 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

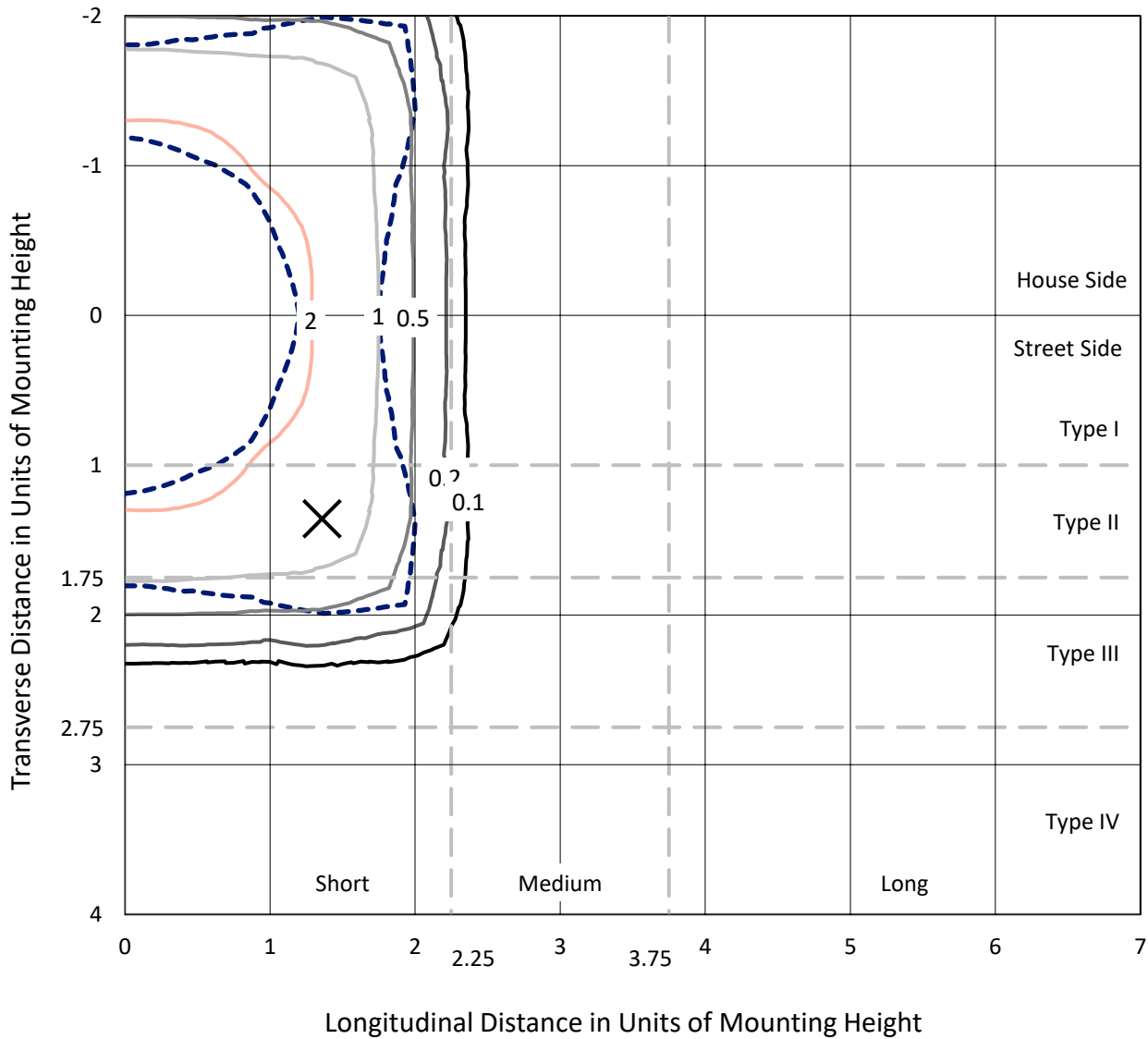
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635213
 CATALOG NUMBER: GWS-SA3D-735-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

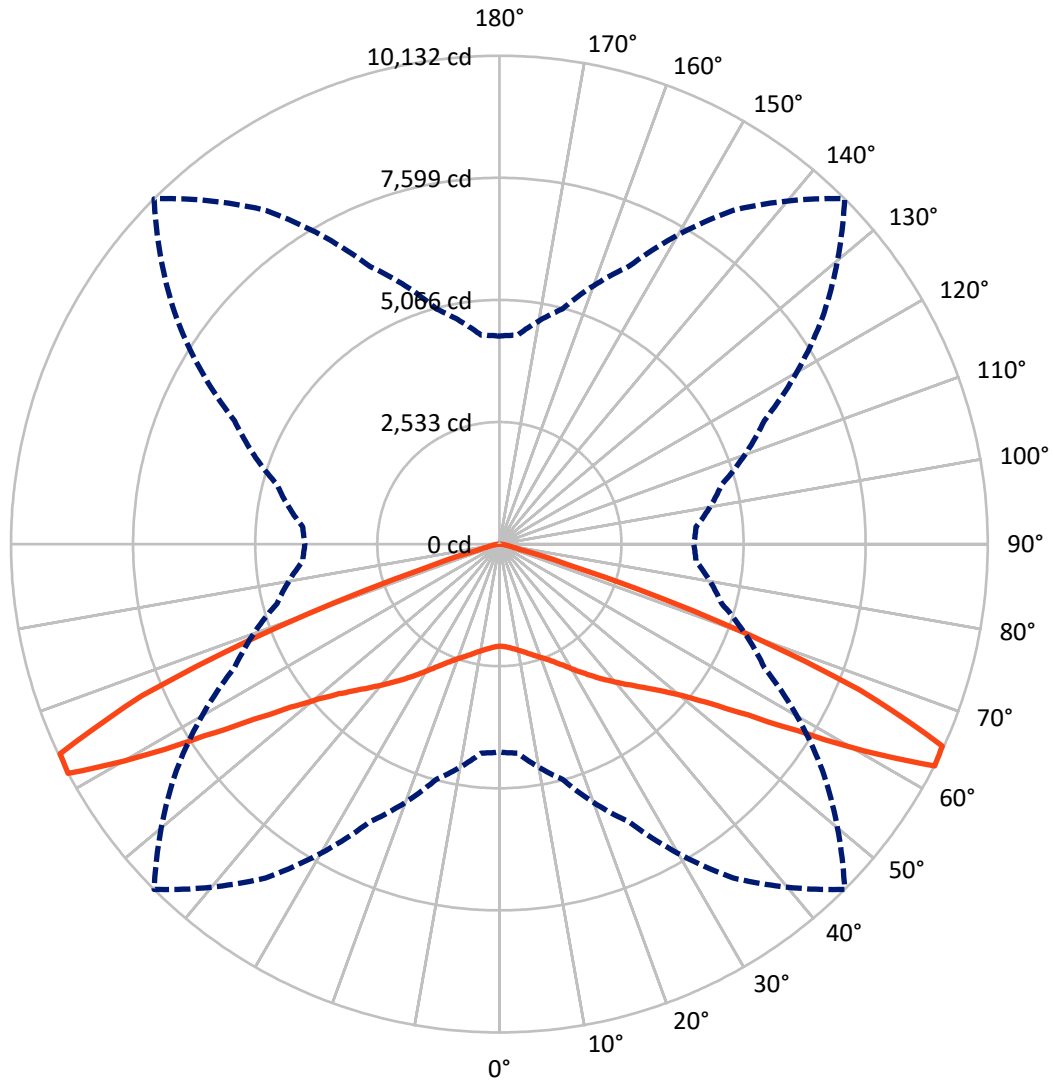
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

REPORT NUMBER: P635213
CATALOG NUMBER: GWS-SA3D-735-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635213

CATALOG NUMBER: GWS-SA3D-735-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9070.7	0.0	9070.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9070.7	0.0	9070.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18141.5	0.0	18141.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	1.1
10°-20°	669.6	3.7
20°-30°	1266.9	7.0
30°-40°	2132.4	11.8
40°-50°	3406.9	18.8
50°-60°	5491.7	30.3
60°-70°	4480.6	24.7
70°-80°	435.1	2.4
80°-90°	50.6	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°	18141.5	100.0
0°-180°	18141.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635213

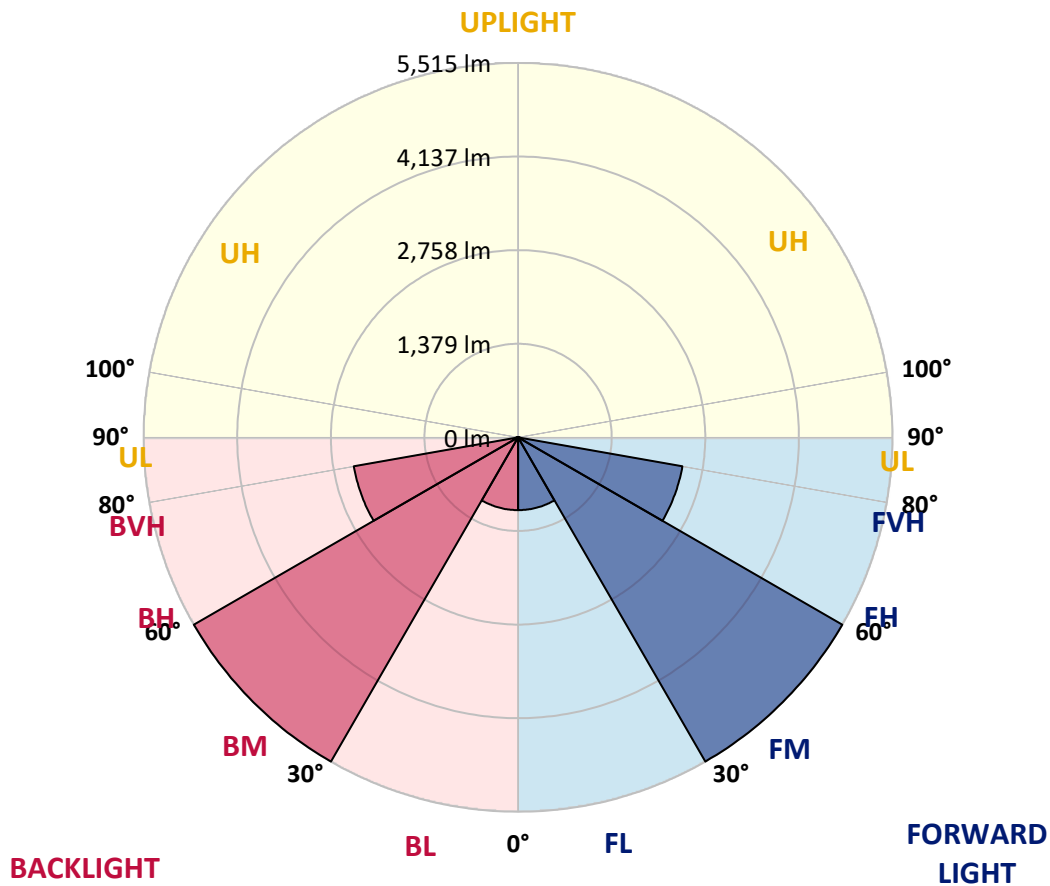
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1072.1	5.9			
FM (30°-60°)	5515.5	30.4			
FH (60°-80°)	2457.9	13.5			G2/5000
FVH (80°-90°)	25.3	0.1			G1/100
BL (0°-30°)	1072.1	5.9	B3/2500		
BM (30°-60°)	5515.5	30.4	B4/8500		
BH (60°-80°)	2457.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	25.3	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





REPORT NUMBER: P635213
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5	2116.5
2.5°	2114.0	2114.0	2118.9	2122.7	2120.2	2130.1	2128.9	2126.4	2125.2	2121.4	2132.6
5°	2142.6	2142.6	2146.3	2150.0	2143.8	2156.3	2151.3	2148.8	2147.6	2142.6	2152.5
7.5°	2174.9	2178.7	2179.9	2186.1	2182.4	2196.1	2192.3	2187.4	2184.9	2178.7	2187.4
10°	2211.0	2213.5	2214.7	2225.9	2227.2	2243.4	2239.6	2233.4	2228.4	2222.2	2234.7
12.5°	2259.5	2260.8	2264.5	2278.2	2281.9	2294.4	2293.1	2284.4	2278.2	2269.5	2283.2
15°	2321.8	2323.0	2329.2	2342.9	2349.1	2364.1	2359.1	2345.4	2336.7	2326.7	2337.9
17.5°	2386.5	2391.4	2397.6	2411.3	2420.0	2437.5	2431.2	2416.3	2408.8	2398.9	2406.4
20°	2469.8	2471.1	2474.8	2489.7	2495.9	2515.9	2517.1	2502.2	2498.4	2488.5	2499.7
22.5°	2561.9	2563.1	2566.9	2583.0	2594.2	2606.7	2614.1	2605.4	2599.2	2586.8	2600.5
25°	2663.9	2676.4	2680.1	2700.0	2712.4	2719.9	2728.6	2724.9	2716.2	2701.2	2707.5
27.5°	2807.0	2809.5	2815.7	2838.1	2845.6	2853.0	2861.7	2863.0	2850.6	2833.1	2841.8
30°	2970.0	2968.8	2982.4	2999.9	3006.1	3012.3	3024.7	3032.2	3016.0	2997.4	3006.1
32.5°	3136.7	3151.7	3169.1	3185.3	3181.5	3184.0	3203.9	3217.6	3195.2	3161.6	3169.1
35°	3324.6	3334.6	3357.0	3380.6	3375.6	3371.9	3384.3	3398.0	3366.9	3323.4	3334.6
37.5°	3517.5	3532.4	3566.0	3594.6	3587.1	3569.7	3583.4	3598.3	3568.5	3518.7	3513.7
40°	3732.7	3756.4	3804.9	3828.5	3808.6	3775.0	3798.7	3834.7	3804.9	3747.6	3734.0
42.5°	3985.3	4013.9	4062.4	4098.5	4055.0	4000.2	4040.0	4092.3	4084.8	4008.9	3985.3
45°	4297.6	4316.3	4376.0	4393.4	4328.7	4252.8	4325.0	4404.6	4385.9	4303.8	4272.7
47.5°	4637.3	4665.9	4718.2	4750.5	4646.0	4551.4	4652.2	4759.2	4739.3	4662.2	4626.1
50°	5070.3	5107.6	5176.0	5203.4	5059.1	4950.8	5080.2	5215.9	5177.3	5074.0	5026.7
52.5°	5541.8	5571.7	5688.7	5743.4	5607.8	5490.8	5604.1	5737.2	5655.1	5518.2	5454.7
55°	5957.4	5987.3	6159.0	6340.6	6334.4	6253.5	6310.8	6313.3	6090.6	5864.1	5796.9
57.5°	6047.0	6076.9	6404.1	6879.4	7215.3	7308.7	7140.7	6787.3	6226.2	5829.3	5753.4
60°	5569.2	5602.8	6122.9	6991.4	8096.3	8719.6	7945.7	6777.4	5806.9	5269.4	5197.2
62.5°	4315.0	4351.1	5050.4	6354.3	8452.1	10131.8	8179.6	6064.4	4776.6	4096.0	4032.6
65°	2060.5	2060.5	2948.8	4557.6	7742.9	10098.2	7502.8	4486.7	2875.4	2208.5	2153.8
67.5°	510.1	512.6	759.0	1774.3	5266.9	8058.9	5352.7	2153.8	1012.8	716.7	698.0
70°	318.5	317.3	352.1	480.3	1842.7	4891.1	2188.6	649.5	411.8	363.3	360.8
72.5°	247.6	247.6	265.0	307.3	482.8	1666.0	638.3	360.8	298.6	268.8	268.8
75°	195.3	195.3	207.8	230.2	284.9	429.3	339.7	267.5	231.4	211.5	209.0
77.5°	145.6	148.1	158.0	172.9	194.1	241.4	215.3	201.6	180.4	165.5	160.5
80°	94.6	98.3	110.7	119.4	126.9	159.3	140.6	146.8	136.9	119.4	117.0
82.5°	51.0	52.3	67.2	69.7	72.2	87.1	89.6	93.3	97.1	75.9	70.9
85°	18.7	18.7	22.4	26.1	28.6	31.1	42.3	52.3	54.7	43.5	42.3
87.5°	3.7	3.7	3.7	2.5	2.5	2.5	7.5	13.7	22.4	17.4	17.4
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)