

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: P635490

Luminaire Tested: GWS-SA3D-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11806.6 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

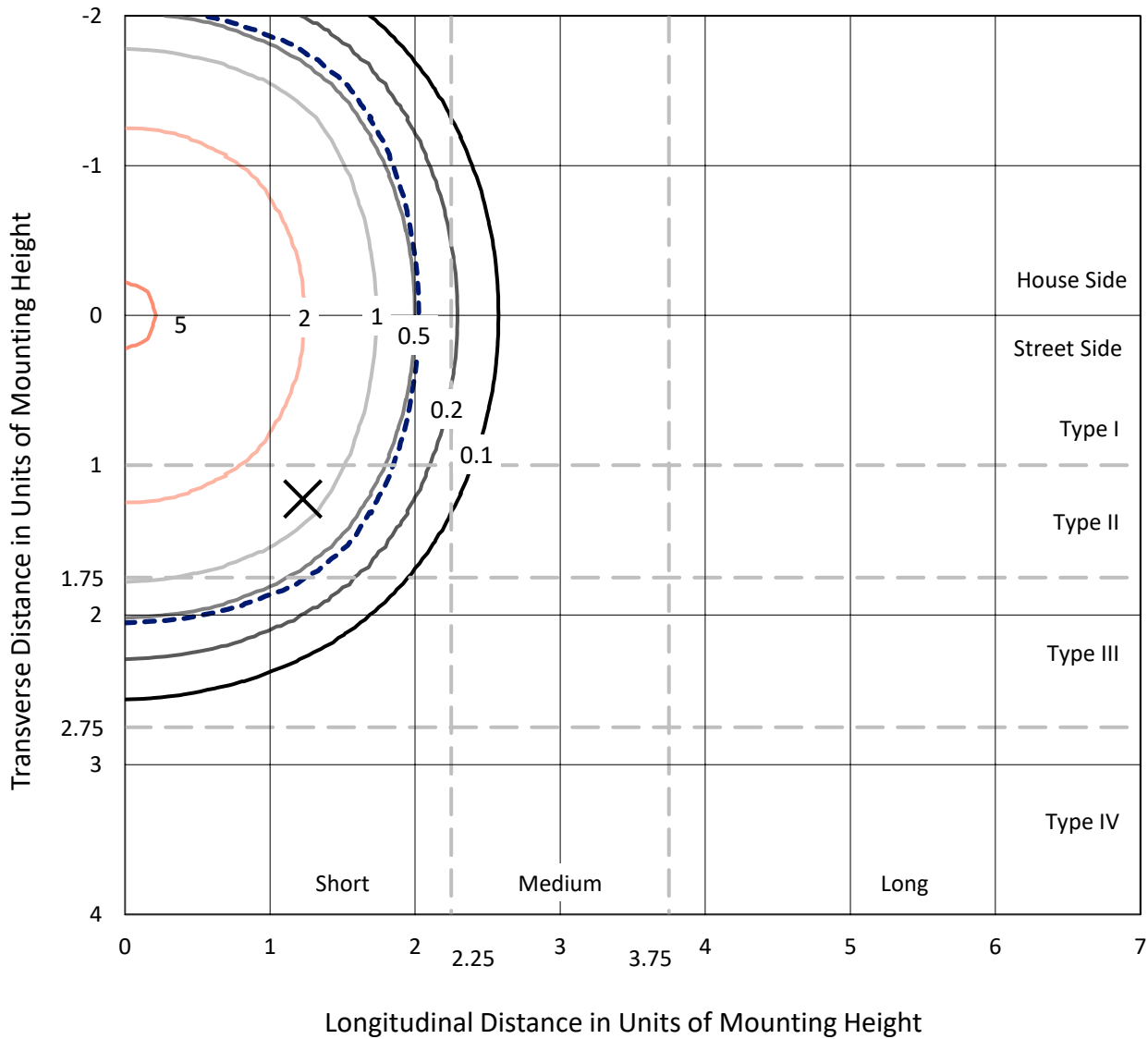
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

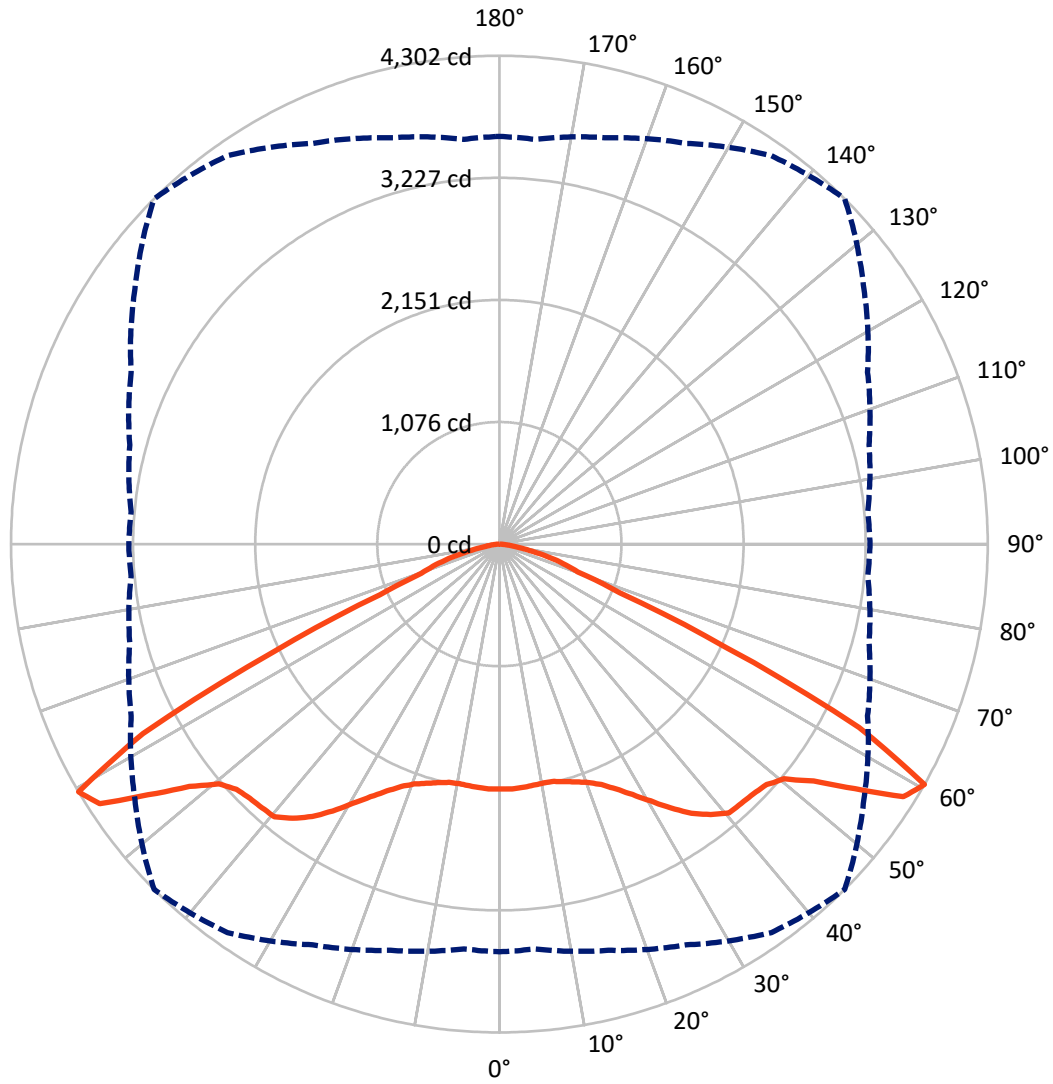
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5903.3	0.0	5903.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5903.3	0.0	5903.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11806.6	0.0	11806.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	1.7
10°-20°	615.5	5.2
20°-30°	1088.9	9.2
30°-40°	1753.1	14.8
40°-50°	2409.6	20.4
50°-60°	3211.0	27.2
60°-70°	2001.3	17.0
70°-80°	460.2	3.9
80°-90°	62.4	0.5
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°	11806.6	100.0
0°-180°	11806.6	100.0

Coefficient of Utilization



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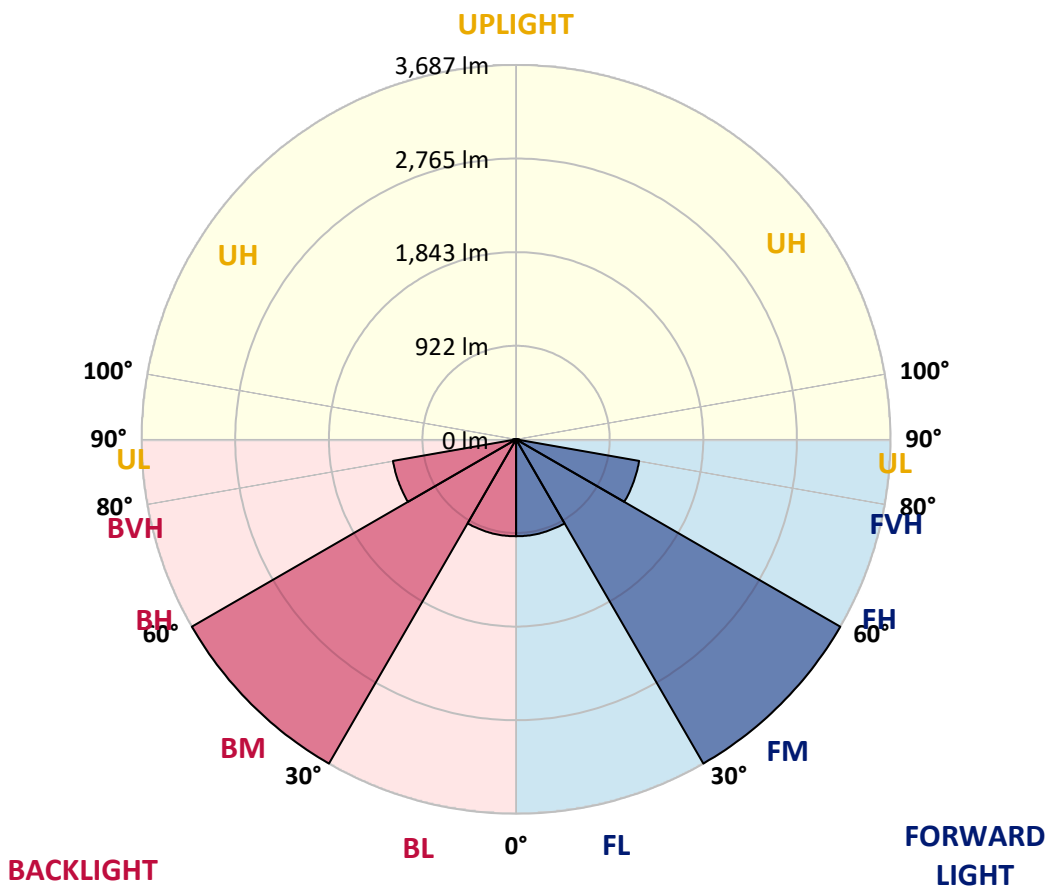
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.5	8.1			
FM (30°-60°)	3686.9	31.2			
FH (60°-80°)	1230.7	10.4			G1/1800
FVH (80°-90°)	31.2	0.3			G1/100
BL (0°-30°)	954.5	8.1	B2/1000		
BM (30°-60°)	3686.9	31.2	B3/5000		
BH (60°-80°)	1230.7	10.4	B3/2500		G1/1800
BVH (80°-90°)	31.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6	2157.6
2.5°	2142.6	2144.6	2148.6	2151.6	2155.6	2159.6	2161.6	2157.6	2155.6	2147.6	2156.6
5°	2144.6	2146.6	2149.6	2149.6	2150.6	2153.6	2153.6	2148.6	2143.6	2134.6	2144.6
7.5°	2141.6	2143.6	2144.6	2143.6	2144.6	2145.6	2143.6	2137.6	2132.6	2124.6	2132.6
10°	2136.6	2138.6	2140.6	2138.6	2136.6	2139.6	2139.6	2135.6	2132.6	2124.6	2133.6
12.5°	2147.6	2150.6	2151.6	2146.6	2144.6	2145.6	2145.6	2141.6	2141.6	2134.6	2144.6
15°	2173.7	2175.7	2172.7	2166.7	2167.7	2170.7	2163.7	2153.6	2151.6	2148.6	2156.6
17.5°	2193.7	2195.7	2192.7	2188.7	2195.7	2202.7	2189.7	2170.7	2164.7	2162.7	2171.7
20°	2215.8	2218.8	2214.8	2219.8	2233.8	2241.8	2225.8	2199.7	2187.7	2184.7	2195.7
22.5°	2251.8	2255.9	2255.9	2266.9	2287.9	2300.9	2280.9	2245.8	2227.8	2222.8	2233.8
25°	2309.0	2312.0	2315.0	2337.0	2371.1	2389.1	2357.1	2309.0	2283.9	2275.9	2281.9
27.5°	2388.1	2393.1	2398.2	2430.2	2472.3	2498.4	2452.3	2392.1	2361.1	2345.0	2357.1
30°	2482.3	2489.4	2501.4	2537.5	2596.6	2625.6	2566.5	2493.4	2458.3	2441.2	2457.3
32.5°	2610.6	2611.6	2620.6	2660.7	2738.9	2772.0	2697.8	2616.6	2580.5	2560.5	2569.5
35°	2762.9	2763.9	2749.9	2791.0	2875.2	2912.3	2825.1	2742.9	2712.8	2706.8	2729.9
37.5°	2919.3	2910.3	2896.2	2914.3	2999.4	3023.5	2931.3	2861.2	2848.1	2859.1	2893.2
40°	3030.5	3015.5	2987.4	3000.5	3086.6	3114.7	3016.5	2950.3	2946.3	2973.4	3014.5
42.5°	3102.7	3086.6	3053.6	3053.6	3112.7	3124.7	3048.6	3013.5	3022.5	3053.6	3092.6
45°	3137.7	3128.7	3109.7	3099.7	3132.7	3137.7	3079.6	3065.6	3082.6	3097.7	3127.7
47.5°	3164.8	3164.8	3158.8	3148.8	3163.8	3166.8	3123.7	3119.7	3141.8	3141.8	3161.8
50°	3212.9	3217.9	3225.9	3223.9	3240.0	3250.0	3217.9	3211.9	3220.9	3191.9	3201.9
52.5°	3339.2	3352.2	3375.3	3393.3	3434.4	3465.5	3408.3	3360.2	3313.1	3249.0	3251.0
55°	3565.7	3571.7	3616.8	3669.9	3739.0	3802.2	3684.9	3535.6	3433.4	3358.2	3359.2
57.5°	3757.1	3766.1	3832.2	3943.5	4098.8	4197.0	3937.5	3687.9	3543.6	3451.4	3454.4
60°	3591.7	3579.7	3705.0	3895.4	4177.0	4302.3	3919.4	3578.7	3371.2	3257.0	3265.0
62.5°	2779.0	2755.9	2895.2	3094.7	3432.4	3557.6	3204.9	2878.2	2681.8	2592.6	2579.5
65°	1691.6	1670.6	1770.8	1893.1	2121.6	2200.7	2039.4	1866.0	1694.6	1640.5	1625.5
67.5°	921.0	918.0	945.0	1005.2	1105.4	1142.5	1111.4	1029.2	985.1	947.0	947.0
70°	730.6	724.6	719.5	720.5	729.6	734.6	735.6	731.6	736.6	737.6	733.6
72.5°	605.3	603.3	593.3	594.3	590.3	588.3	595.3	599.3	607.3	608.3	608.3
75°	438.9	433.9	438.9	439.9	435.9	435.9	440.9	439.9	444.0	446.0	434.9
77.5°	249.5	249.5	256.6	264.6	270.6	270.6	275.6	275.6	280.6	279.6	277.6
80°	137.3	137.3	141.3	146.3	152.3	158.3	163.4	164.4	167.4	166.4	163.4
82.5°	78.2	79.2	81.2	84.2	90.2	95.2	100.2	101.2	104.2	104.2	101.2
85°	37.1	36.1	37.1	39.1	42.1	46.1	51.1	54.1	56.1	56.1	54.1
87.5°	7.0	8.0	7.0	8.0	9.0	12.0	14.0	16.0	19.0	20.0	18.0
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)