

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: P642146

Luminaire Tested: GWS-SA6C-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28392 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

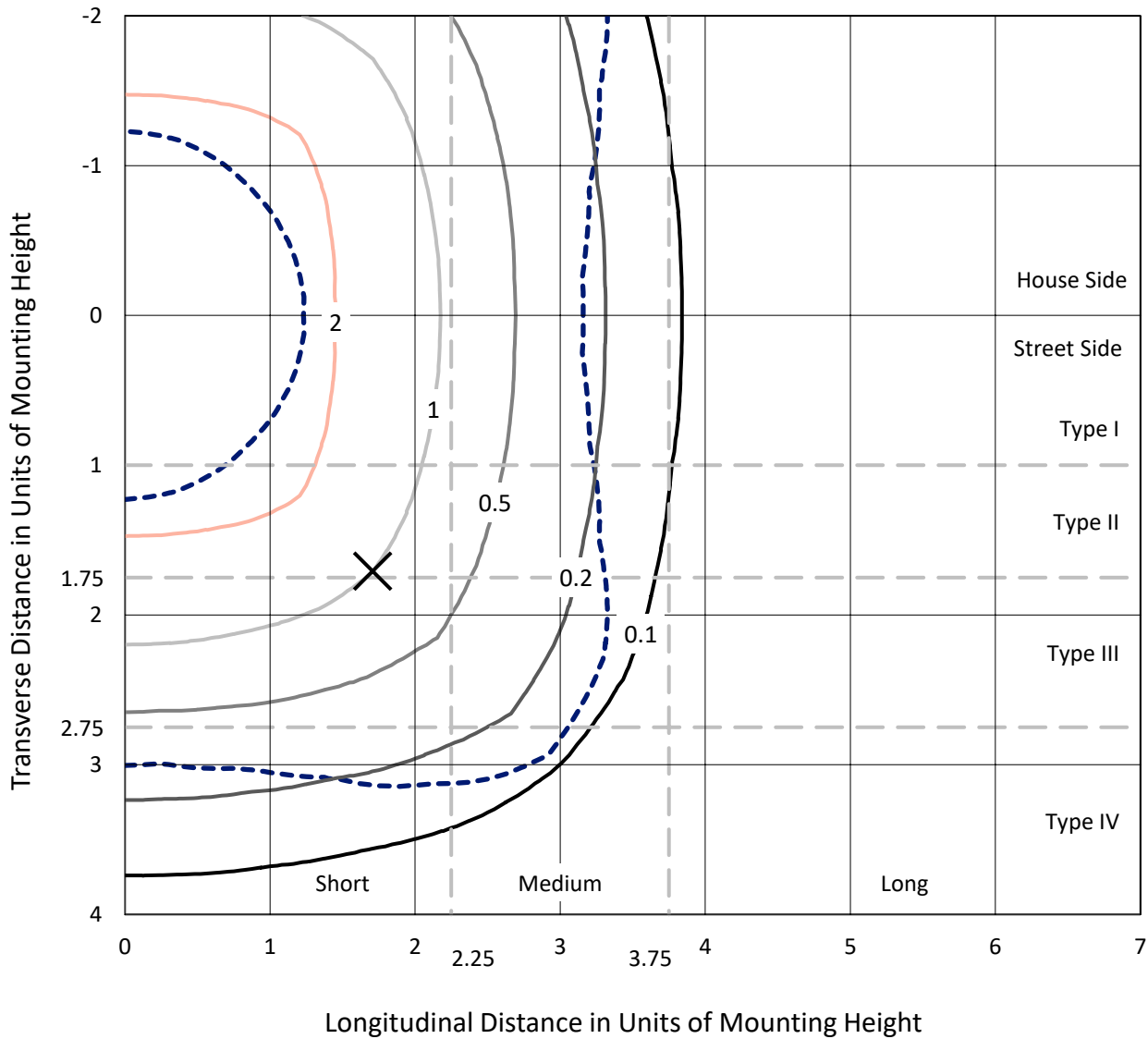
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

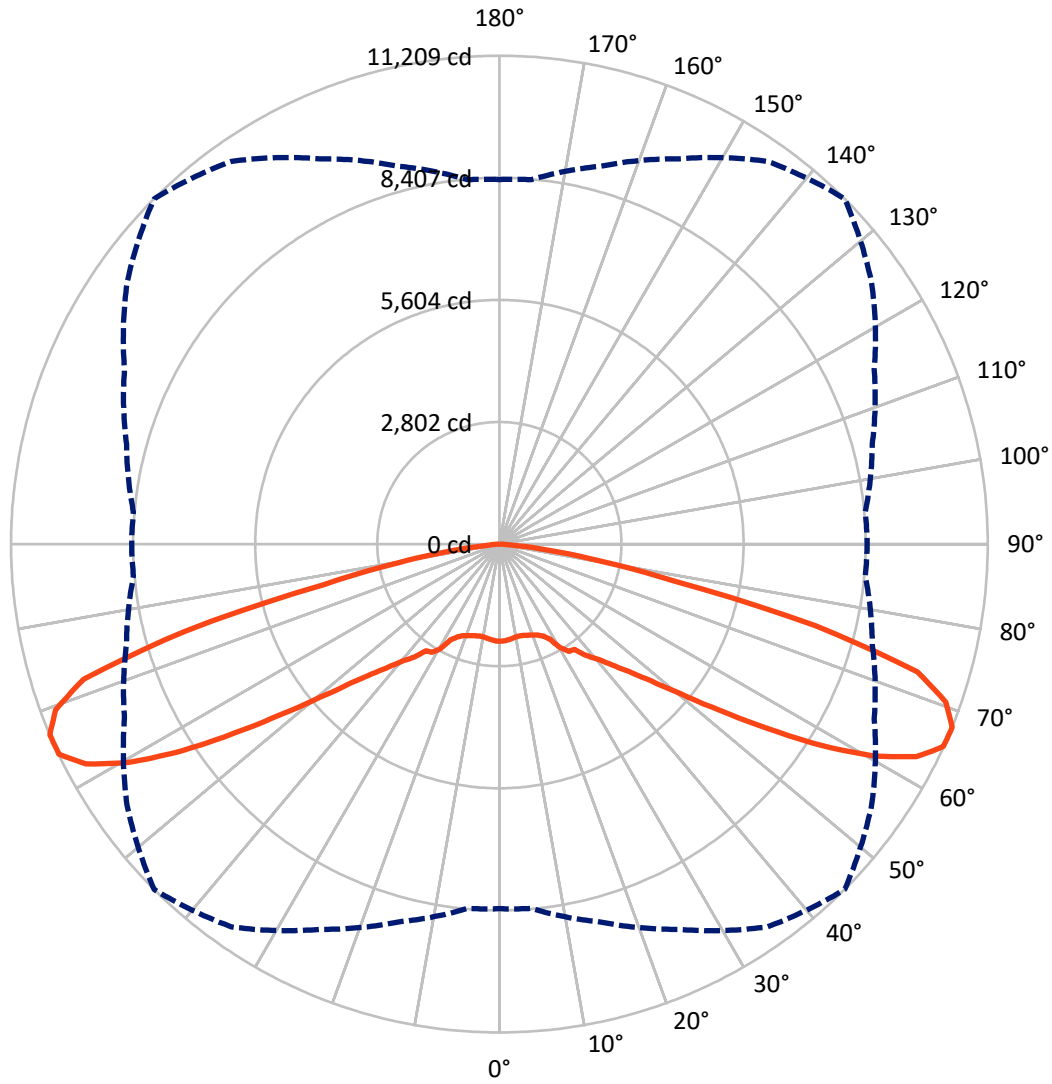
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14196.0	0.0	14196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14196.0	0.0	14196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28392.0	0.0	28392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	0.7
10°-20°	620.4	2.2
20°-30°	1112.9	3.9
30°-40°	1880.0	6.6
40°-50°	3303.1	11.6
50°-60°	6371.8	22.4
60°-70°	9244.6	32.6
70°-80°	5289.3	18.6
80°-90°	361.0	1.3
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°	28392.0	100.0
0°-180°	28392.0	100.0

Coefficient of Utilization



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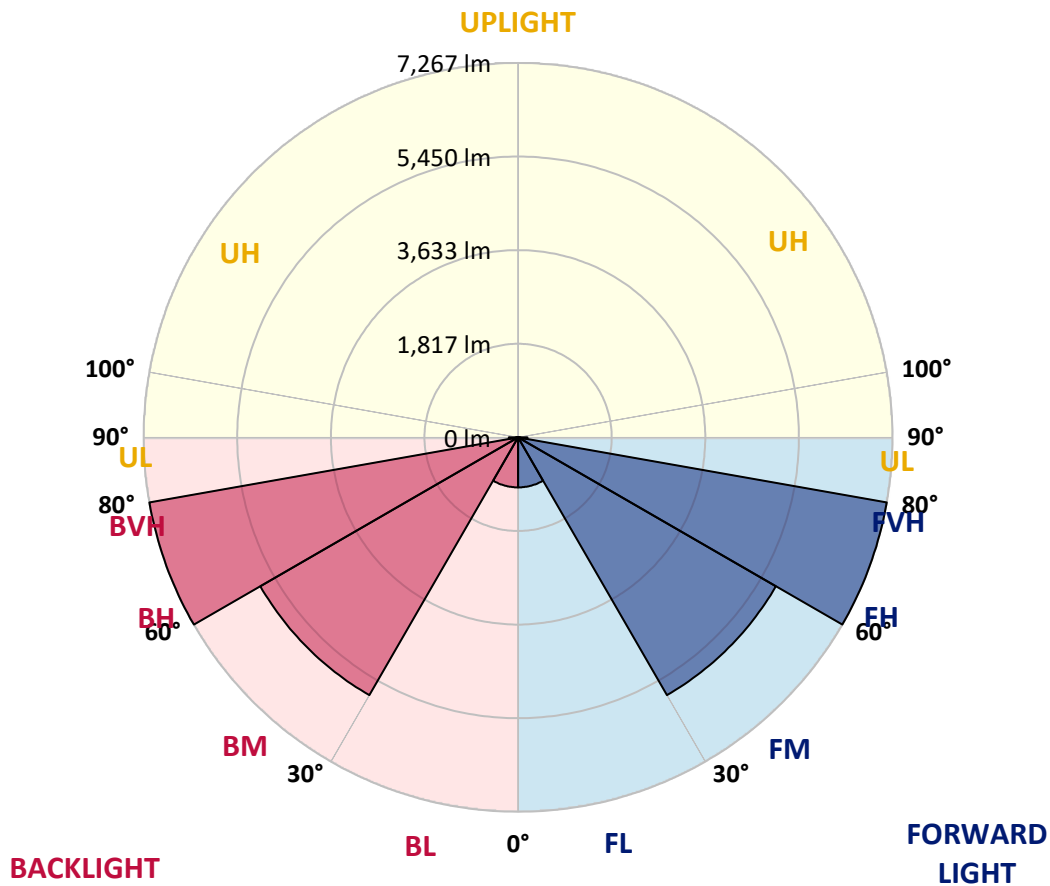
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	971.1	3.4			
FM (30°-60°)	5777.4	20.3			
FH (60°-80°)	7266.9	25.6			G3/7500
FVH (80°-90°)	180.5	0.6			G2/225
BL (0°-30°)	971.1	3.4	B2/1000		
BM (30°-60°)	5777.4	20.3	B4/8500		
BH (60°-80°)	7266.9	25.6	B5		G3/7500
BVH (80°-90°)	180.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5	2226.5
2.5°	2208.4	2210.5	2214.5	2214.5	2218.5	2224.5	2226.5	2222.5	2224.5	2214.5	2224.5
5°	2202.4	2204.4	2206.4	2202.4	2202.4	2204.4	2204.4	2200.4	2202.4	2192.4	2202.4
7.5°	2188.4	2190.4	2190.4	2184.4	2178.3	2182.3	2182.3	2178.3	2180.3	2170.3	2182.3
10°	2176.3	2176.3	2174.3	2162.3	2156.2	2162.3	2164.3	2166.3	2174.3	2166.3	2180.3
12.5°	2184.4	2184.4	2178.3	2162.3	2152.2	2156.2	2160.3	2164.3	2178.3	2176.3	2192.4
15°	2206.4	2208.4	2192.4	2174.3	2168.3	2174.3	2170.3	2168.3	2186.4	2192.4	2210.5
17.5°	2224.5	2224.5	2204.4	2186.4	2188.4	2198.4	2190.4	2180.3	2198.4	2210.5	2230.5
20°	2240.6	2238.6	2216.5	2204.4	2212.5	2226.5	2220.5	2206.4	2218.5	2232.5	2250.6
22.5°	2280.7	2278.7	2254.6	2248.6	2256.6	2270.7	2264.7	2252.6	2266.7	2286.7	2308.8
25°	2395.2	2391.1	2355.0	2334.9	2330.9	2340.9	2338.9	2334.9	2357.0	2381.1	2407.2
27.5°	2547.7	2545.7	2519.6	2499.6	2473.5	2465.4	2471.4	2489.5	2521.6	2539.7	2561.8
30°	2624.0	2624.0	2620.0	2652.1	2708.4	2762.6	2720.4	2652.1	2624.0	2616.0	2638.1
32.5°	2724.4	2734.5	2720.4	2756.5	2850.9	2931.2	2850.9	2740.5	2720.4	2720.4	2744.5
35°	2955.3	2959.3	2937.2	2931.2	2961.3	2971.4	2933.2	2893.1	2915.1	2919.2	2949.3
37.5°	3140.0	3140.0	3130.0	3146.0	3208.3	3246.4	3184.2	3111.9	3117.9	3121.9	3160.1
40°	3425.1	3433.1	3409.0	3407.0	3431.1	3465.2	3399.0	3352.8	3384.9	3395.0	3453.2
42.5°	3780.5	3780.5	3744.3	3734.3	3750.3	3786.5	3724.2	3694.1	3736.3	3744.3	3778.4
45°	4204.1	4214.1	4165.9	4147.9	4155.9	4167.9	4123.8	4109.7	4149.9	4167.9	4228.2
47.5°	4720.0	4730.1	4687.9	4685.9	4677.9	4685.9	4643.8	4635.7	4667.8	4653.8	4718.0
50°	5356.5	5374.5	5338.4	5388.6	5382.6	5406.7	5348.4	5306.3	5306.3	5268.1	5304.3
52.5°	6069.2	6105.3	6123.4	6207.7	6272.0	6332.2	6235.8	6169.6	6073.2	5994.9	6093.3
55°	6846.2	6836.1	6950.6	7135.3	7324.0	7466.5	7277.8	7069.0	6912.4	6749.8	6788.0
57.5°	7526.8	7560.9	7711.5	8048.8	8422.2	8723.4	8384.1	7982.5	7627.2	7394.3	7426.4
60°	8092.9	8121.0	8321.8	8807.7	9460.2	9875.8	9337.7	8675.2	8159.2	7838.0	7872.1
62.5°	8614.9	8641.0	8843.8	9379.9	10203.0	10745.1	10050.4	9145.0	8570.8	8247.5	8267.6
65°	8916.1	8932.1	9209.2	9773.4	10640.7	11200.8	10417.8	9484.3	8920.1	8590.8	8602.9
67.5°	8368.0	8394.1	8978.3	9757.3	10725.0	11208.9	10433.9	9494.3	8859.9	8430.2	8440.3
70°	6601.2	6579.2	7275.8	8614.9	10241.2	10871.6	9970.1	8781.6	7801.8	7201.5	7191.5
72.5°	5033.2	5039.3	5426.7	6344.3	8349.9	10032.4	8797.6	7071.0	6015.0	5559.3	5541.2
75°	3650.0	3706.2	4021.4	4693.9	5840.3	7498.7	6623.3	5240.0	4533.3	4260.3	4220.1
77.5°	1644.3	1716.6	2156.2	2947.3	3904.9	4143.8	4159.9	3557.6	2684.3	2230.5	2160.3
80°	479.8	514.0	660.5	1130.3	1819.0	2351.0	1867.1	1570.0	977.7	766.9	730.8
82.5°	202.8	230.9	283.1	313.2	528.0	1090.2	678.6	431.7	401.5	325.2	297.1
85°	86.3	92.4	118.5	126.5	170.7	232.9	214.8	194.7	186.7	144.6	132.5
87.5°	36.1	36.1	36.1	32.1	30.1	32.1	44.2	56.2	74.3	58.2	54.2
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)