

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: P632246

Luminaire Tested: GWS-SA2C-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632246
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-SA2C-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9254.4 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

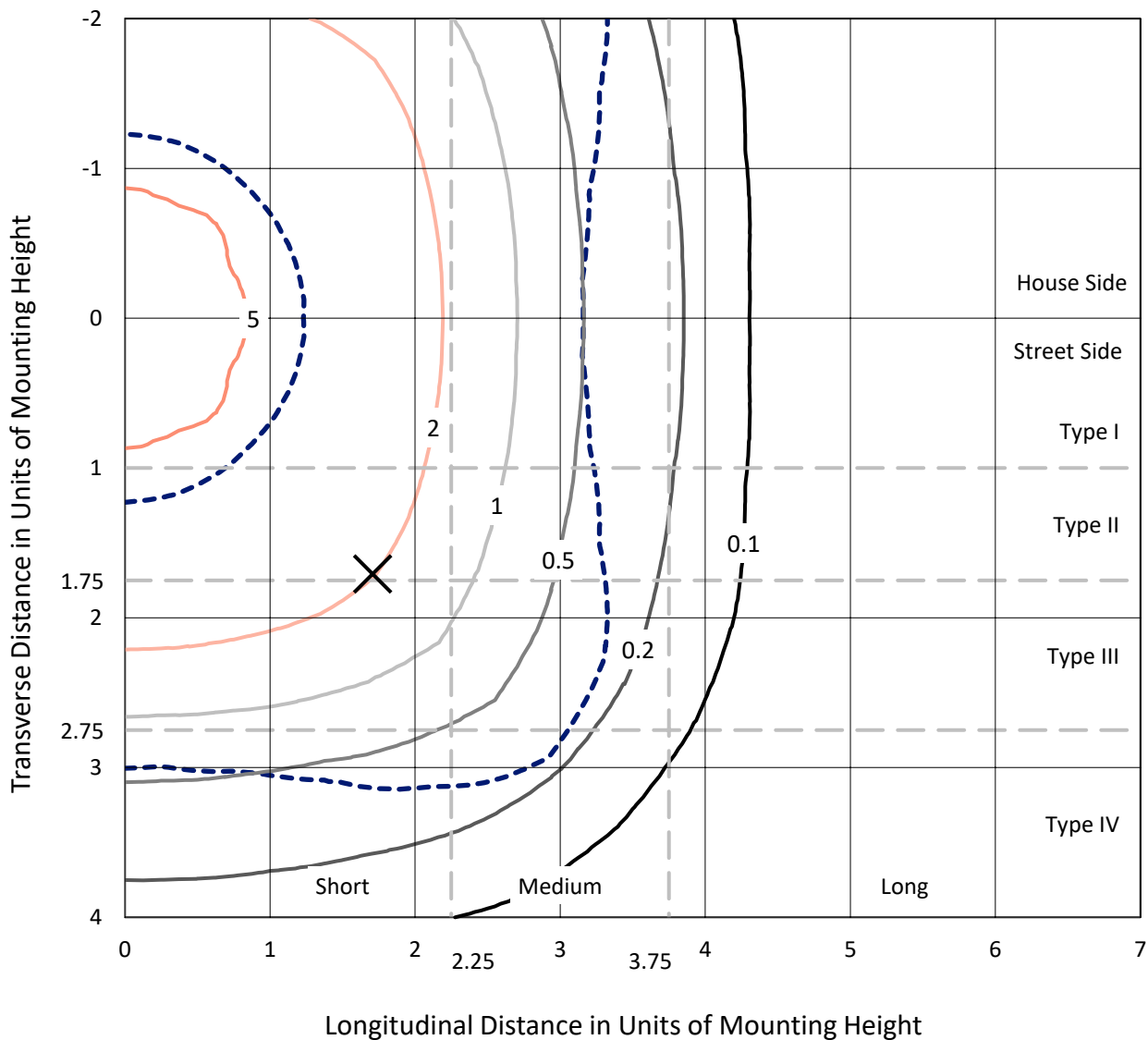
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

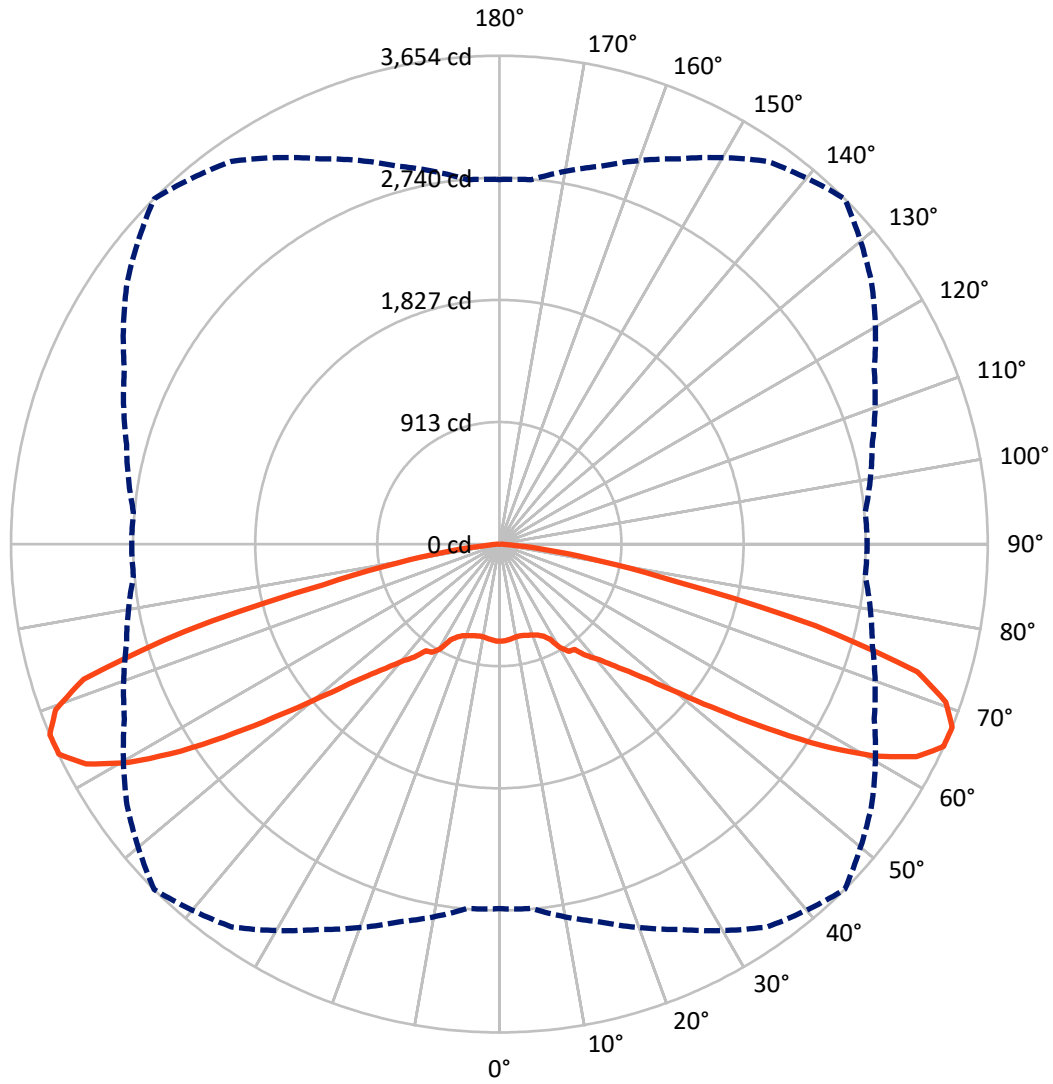
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	4627.2	0.0	4627.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4627.2	0.0	4627.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9254.4	0.0	9254.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	0.7
10°-20°	202.2	2.2
20°-30°	362.7	3.9
30°-40°	612.8	6.6
40°-50°	1076.6	11.6
50°-60°	2076.9	22.4
60°-70°	3013.3	32.6
70°-80°	1724.1	18.6
80°-90°	117.7	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°	9254.4	100.0
0°-180°	9254.4	100.0

Coefficient of Utilization



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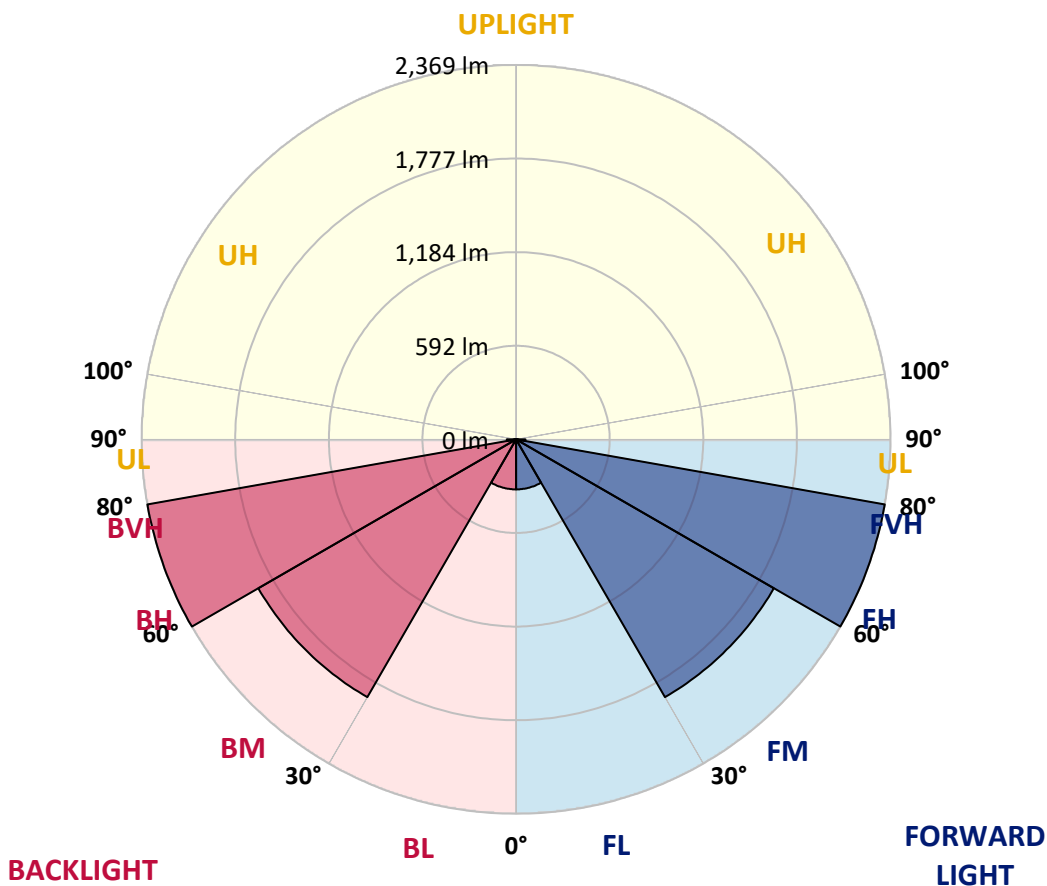
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.5	3.4			
FM (30°-60°)	1883.2	20.3			
FH (60°-80°)	2368.7	25.6			G2/5000
FVH (80°-90°)	58.8	0.6			G1/100
BL (0°-30°)	316.5	3.4	B1/500		
BM (30°-60°)	1883.2	20.3	B2/2500		
BH (60°-80°)	2368.7	25.6	B3/2500		G2/5000
BVH (80°-90°)	58.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	719.8	720.5	721.8	721.8	723.1	725.1	725.7	724.4	725.1	721.8	725.1
5°	717.9	718.5	719.2	717.9	717.9	718.5	718.5	717.2	717.9	714.6	717.9
7.5°	713.3	714.0	714.0	712.0	710.0	711.3	711.3	710.0	710.7	707.4	711.3
10°	709.4	709.4	708.7	704.8	702.8	704.8	705.4	706.1	708.7	706.1	710.7
12.5°	712.0	712.0	710.0	704.8	701.5	702.8	704.1	705.4	710.0	709.4	714.6
15°	719.2	719.8	714.6	708.7	706.8	708.7	707.4	706.8	712.6	714.6	720.5
17.5°	725.1	725.1	718.5	712.6	713.3	716.6	714.0	710.7	716.6	720.5	727.0
20°	730.3	729.7	722.5	718.5	721.2	725.7	723.8	719.2	723.1	727.7	733.6
22.5°	743.4	742.7	734.9	732.9	735.5	740.1	738.2	734.2	738.8	745.4	752.6
25°	780.7	779.4	767.6	761.1	759.8	763.0	762.4	761.1	768.3	776.1	784.6
27.5°	830.4	829.8	821.3	814.7	806.2	803.6	805.6	811.5	821.9	827.8	835.0
30°	855.3	855.3	854.0	864.5	882.8	900.5	886.7	864.5	855.3	852.7	859.9
32.5°	888.0	891.3	886.7	898.5	929.3	955.4	929.3	893.3	886.7	886.7	894.6
35°	963.3	964.6	957.4	955.4	965.2	968.5	956.1	943.0	950.2	951.5	961.3
37.5°	1023.5	1023.5	1020.2	1025.5	1045.7	1058.2	1037.9	1014.3	1016.3	1017.6	1030.0
40°	1116.4	1119.0	1111.2	1110.5	1118.4	1129.5	1107.9	1092.9	1103.3	1106.6	1125.6
42.5°	1232.2	1232.2	1220.5	1217.2	1222.4	1234.2	1213.9	1204.1	1217.8	1220.5	1231.6
45°	1370.3	1373.6	1357.9	1352.0	1354.6	1358.5	1344.1	1339.6	1352.7	1358.5	1378.2
47.5°	1538.5	1541.8	1528.0	1527.4	1524.8	1527.4	1513.6	1511.0	1521.5	1516.9	1537.8
50°	1745.9	1751.8	1740.1	1756.4	1754.5	1762.3	1743.3	1729.6	1729.6	1717.2	1728.9
52.5°	1978.3	1990.0	1995.9	2023.4	2044.4	2064.0	2032.6	2011.0	1979.6	1954.0	1986.1
55°	2231.5	2228.2	2265.5	2325.8	2387.3	2433.7	2372.2	2304.2	2253.1	2200.1	2212.5
57.5°	2453.4	2464.5	2513.6	2623.5	2745.2	2843.4	2732.8	2601.9	2486.1	2410.2	2420.6
60°	2637.9	2647.1	2712.5	2870.9	3083.6	3219.0	3043.6	2827.7	2659.5	2554.8	2565.9
62.5°	2808.0	2816.6	2882.6	3057.4	3325.7	3502.4	3275.9	2980.8	2793.6	2688.3	2694.8
65°	2906.2	2911.4	3001.8	3185.6	3468.3	3650.9	3395.7	3091.4	2907.5	2800.2	2804.1
67.5°	2727.6	2736.1	2926.5	3180.4	3495.8	3653.5	3400.9	3094.7	2887.9	2747.8	2751.1
70°	2151.7	2144.5	2371.6	2808.0	3338.1	3543.6	3249.8	2862.4	2543.0	2347.3	2344.1
72.5°	1640.6	1642.6	1768.9	2067.9	2721.7	3270.1	2867.6	2304.8	1960.6	1812.0	1806.2
75°	1189.7	1208.0	1310.8	1530.0	1903.7	2444.2	2158.9	1708.0	1477.6	1388.6	1375.6
77.5°	536.0	559.5	702.8	960.7	1272.8	1350.7	1355.9	1159.6	874.9	727.0	704.1
80°	156.4	167.5	215.3	368.4	592.9	766.3	608.6	511.7	318.7	250.0	238.2
82.5°	66.1	75.3	92.3	102.1	172.1	355.3	221.2	140.7	130.9	106.0	96.9
85°	28.1	30.1	38.6	41.2	55.6	75.9	70.0	63.5	60.9	47.1	43.2
87.5°	11.8	11.8	11.8	10.5	9.8	10.5	14.4	18.3	24.2	19.0	17.7
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)