

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: P632301

Luminaire Tested: GWS-SA2C-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632301
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-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9383 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

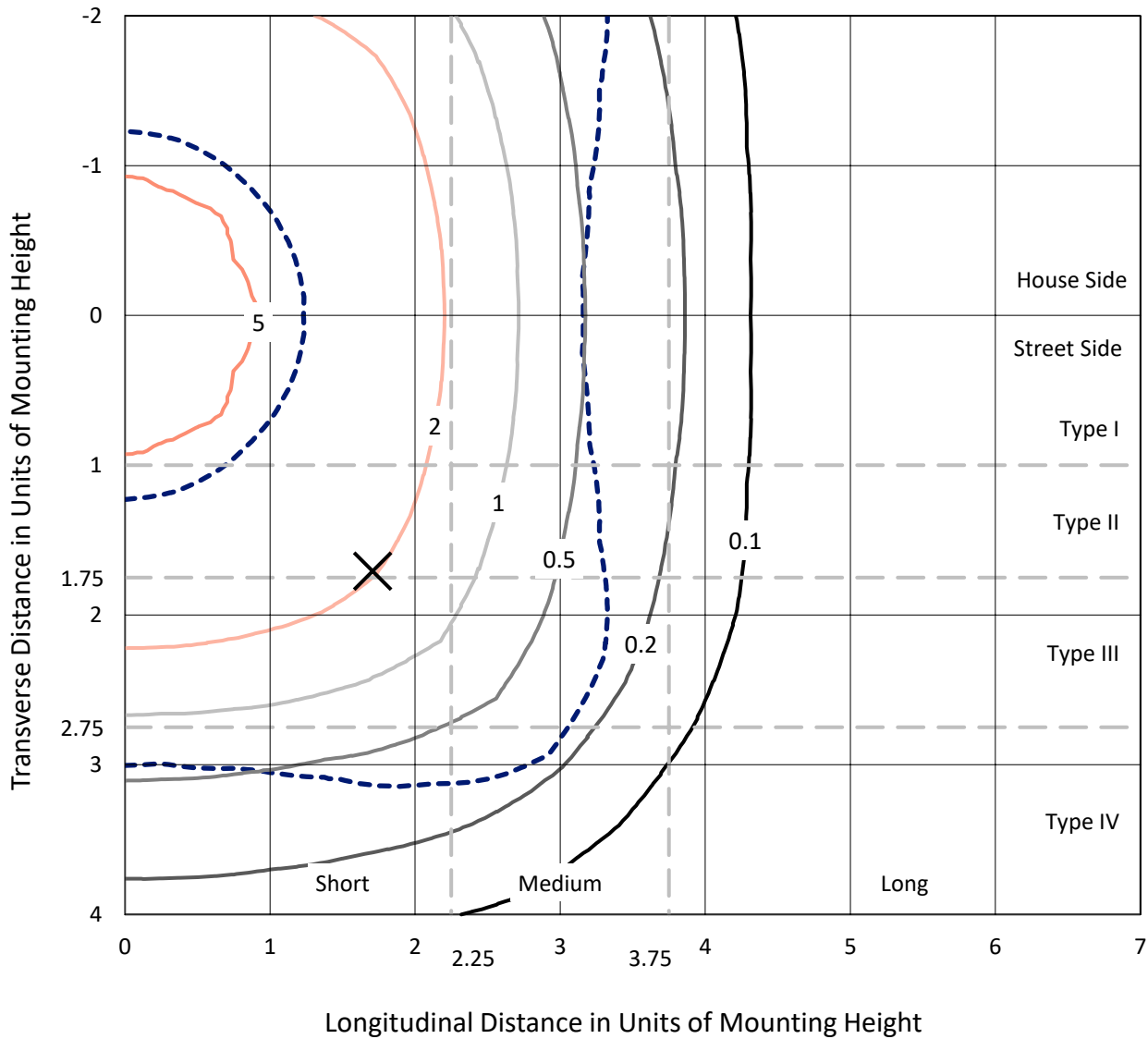
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632301
 CATALOG NUMBER: GWS-SA2C-740-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

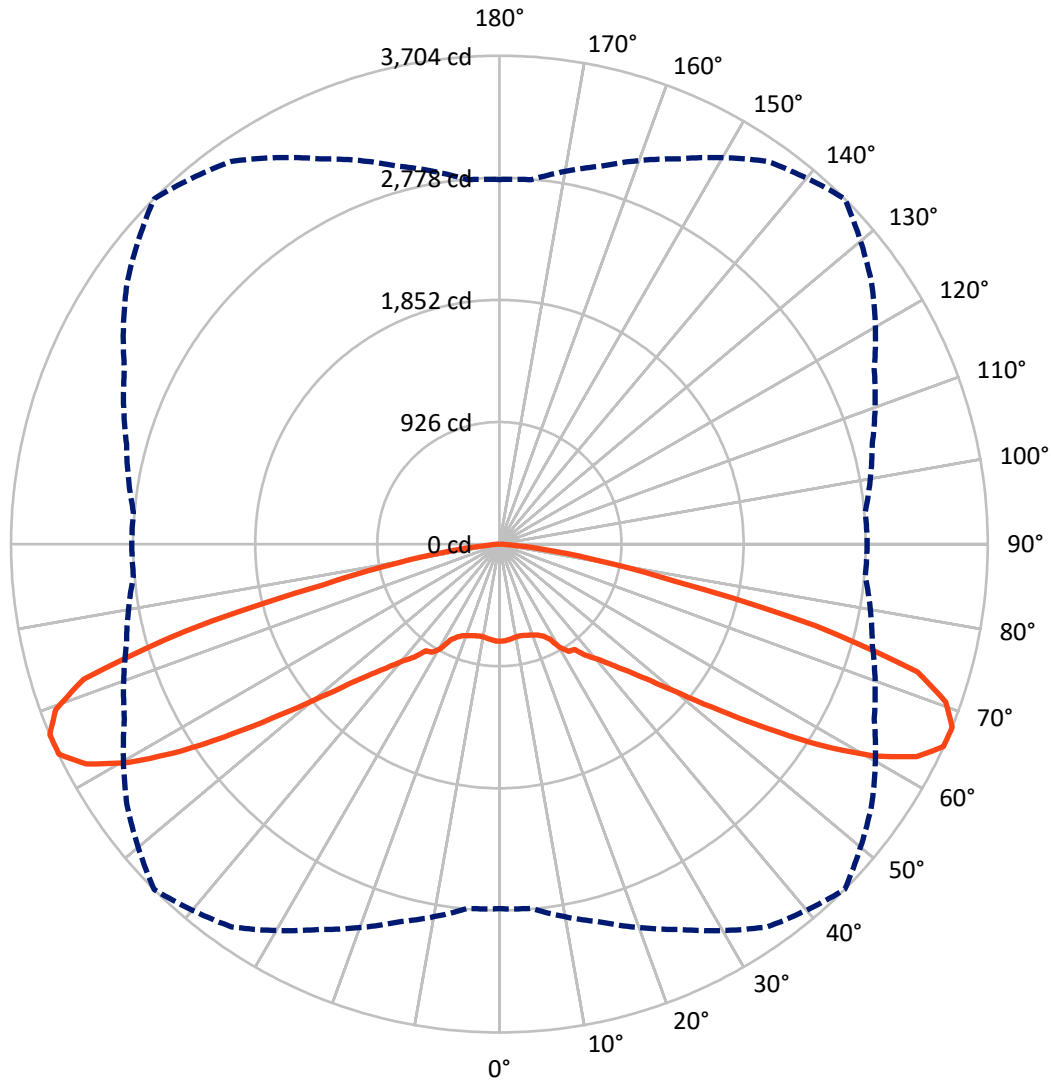
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P632301
CATALOG NUMBER: GWS-SA2C-740-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632301

CATALOG NUMBER: GWS-SA2C-740-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4691.5	0.0	4691.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4691.5	0.0	4691.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9383.0	0.0	9383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	0.7
10°-20°	205.0	2.2
20°-30°	367.8	3.9
30°-40°	621.3	6.6
40°-50°	1091.6	11.6
50°-60°	2105.7	22.4
60°-70°	3055.2	32.6
70°-80°	1748.0	18.6
80°-90°	119.3	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°	9383.0	100.0
0°-180°	9383.0	100.0

Coefficient of Utilization



REPORT NUMBER: P632301

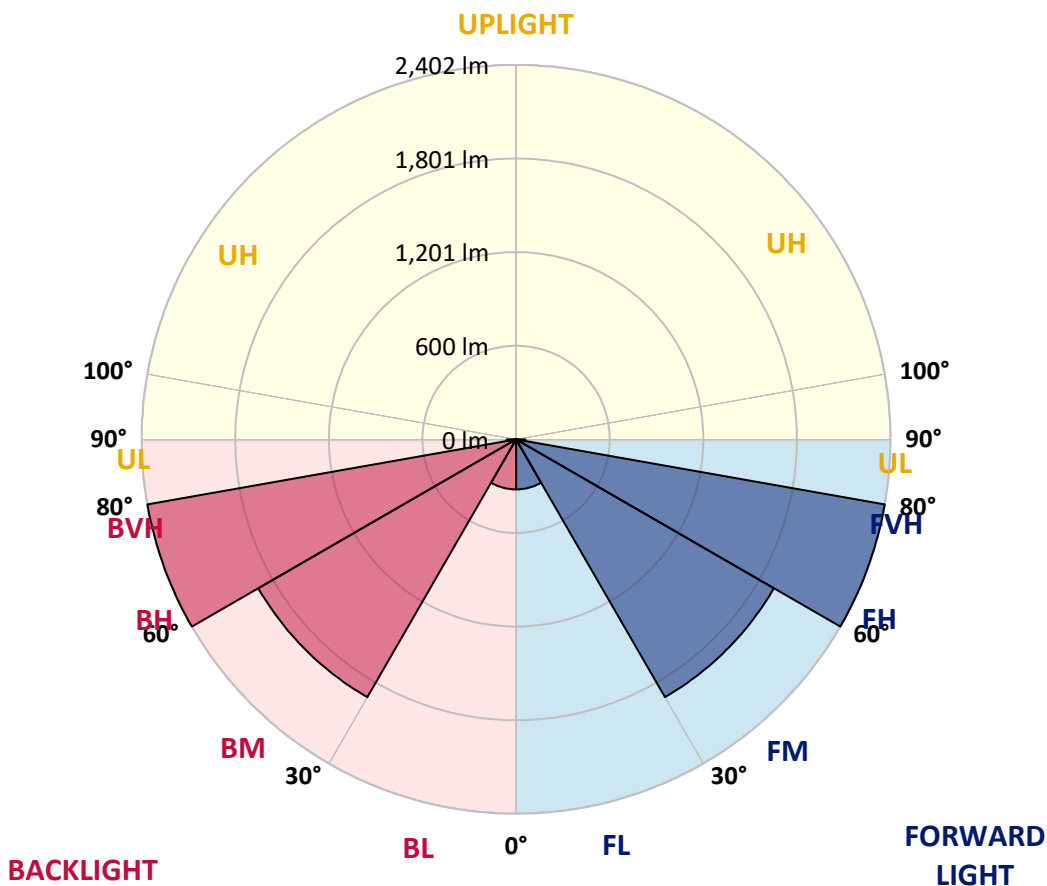
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.9	3.4			
FM (30°-60°)	1909.3	20.3			
FH (60°-80°)	2401.6	25.6			G2/5000
FVH (80°-90°)	59.7	0.6			G1/100
BL (0°-30°)	320.9	3.4	B1/500		
BM (30°-60°)	1909.3	20.3	B2/2500		
BH (60°-80°)	2401.6	25.6	B3/2500		G2/5000
BVH (80°-90°)	59.7	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°	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8
2.5°	729.8	730.5	731.8	731.8	733.2	735.2	735.8	734.5	735.2	731.8	735.2
5°	727.9	728.5	729.2	727.9	727.9	728.5	728.5	727.2	727.9	724.5	727.9
7.5°	723.2	723.9	723.9	721.9	719.9	721.2	721.2	719.9	720.6	717.2	721.2
10°	719.2	719.2	718.6	714.6	712.6	714.6	715.3	715.9	718.6	715.9	720.6
12.5°	721.9	721.9	719.9	714.6	711.3	712.6	713.9	715.3	719.9	719.2	724.5
15°	729.2	729.8	724.5	718.6	716.6	718.6	717.2	716.6	722.5	724.5	730.5
17.5°	735.2	735.2	728.5	722.5	723.2	726.5	723.9	720.6	726.5	730.5	737.1
20°	740.5	739.8	732.5	728.5	731.2	735.8	733.8	729.2	733.2	737.8	743.8
22.5°	753.7	753.1	745.1	743.1	745.8	750.4	748.4	744.4	749.1	755.7	763.0
25°	791.6	790.2	778.3	771.6	770.3	773.6	773.0	771.6	778.9	786.9	795.5
27.5°	842.0	841.3	832.7	826.1	817.4	814.8	816.8	822.7	833.4	839.3	846.6
30°	867.2	867.2	865.9	876.5	895.1	913.0	899.0	876.5	867.2	864.5	871.8
32.5°	900.4	903.7	899.0	911.0	942.2	968.7	942.2	905.7	899.0	899.0	907.0
35°	976.7	978.0	970.7	968.7	978.7	982.0	969.4	956.1	963.4	964.7	974.7
37.5°	1037.7	1037.7	1034.4	1039.7	1060.3	1072.9	1052.3	1028.4	1030.4	1031.7	1044.3
40°	1131.9	1134.6	1126.6	1126.0	1133.9	1145.2	1123.3	1108.0	1118.7	1122.0	1141.2
42.5°	1249.4	1249.4	1237.4	1234.1	1239.4	1251.4	1230.8	1220.8	1234.8	1237.4	1248.7
45°	1389.4	1392.7	1376.8	1370.8	1373.4	1377.4	1362.8	1358.2	1371.4	1377.4	1397.3
47.5°	1559.9	1563.2	1549.3	1548.6	1545.9	1548.6	1534.7	1532.0	1542.6	1538.0	1559.2
50°	1770.2	1776.2	1764.2	1780.8	1778.8	1786.8	1767.6	1753.6	1753.6	1741.0	1753.0
52.5°	2005.8	2017.7	2023.7	2051.5	2072.8	2092.7	2060.8	2038.9	2007.1	1981.2	2013.7
55°	2262.5	2259.2	2297.0	2358.1	2420.4	2467.5	2405.2	2336.2	2284.4	2230.7	2243.3
57.5°	2487.5	2498.7	2548.5	2660.0	2783.4	2882.9	2770.8	2638.1	2520.6	2443.7	2454.3
60°	2674.6	2683.8	2750.2	2910.8	3126.4	3263.7	3085.9	2867.0	2696.5	2590.3	2601.6
62.5°	2847.1	2855.7	2922.7	3099.9	3371.9	3551.0	3321.5	3022.2	2832.5	2725.6	2732.3
65°	2946.6	2951.9	3043.5	3229.9	3516.5	3701.7	3442.9	3134.4	2947.9	2839.1	2843.1
67.5°	2765.5	2774.1	2967.2	3224.6	3544.4	3704.3	3448.2	3137.7	2928.0	2786.0	2789.3
70°	2181.6	2174.3	2404.5	2847.1	3384.5	3592.8	3294.9	2902.1	2578.4	2380.0	2376.6
72.5°	1663.4	1665.4	1793.4	2096.7	2759.5	3315.5	2907.4	2336.8	1987.8	1837.2	1831.3
75°	1206.2	1224.8	1329.0	1551.3	1930.1	2478.2	2188.9	1731.7	1498.2	1407.9	1394.7
77.5°	543.4	567.3	712.6	974.0	1290.5	1369.5	1374.8	1175.7	887.1	737.1	713.9
80°	158.6	169.9	218.3	373.5	601.1	777.0	617.1	518.9	323.1	253.5	241.5
82.5°	67.0	76.3	93.6	103.5	174.5	360.3	224.3	142.7	132.7	107.5	98.2
85°	28.5	30.5	39.1	41.8	56.4	77.0	71.0	64.4	61.7	47.8	43.8
87.5°	11.9	11.9	11.9	10.6	10.0	10.6	14.6	18.6	24.5	19.2	17.9
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)