

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: P639781

Luminaire Tested: GWS-SA5C-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639781
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-SA5C-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24694.3 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

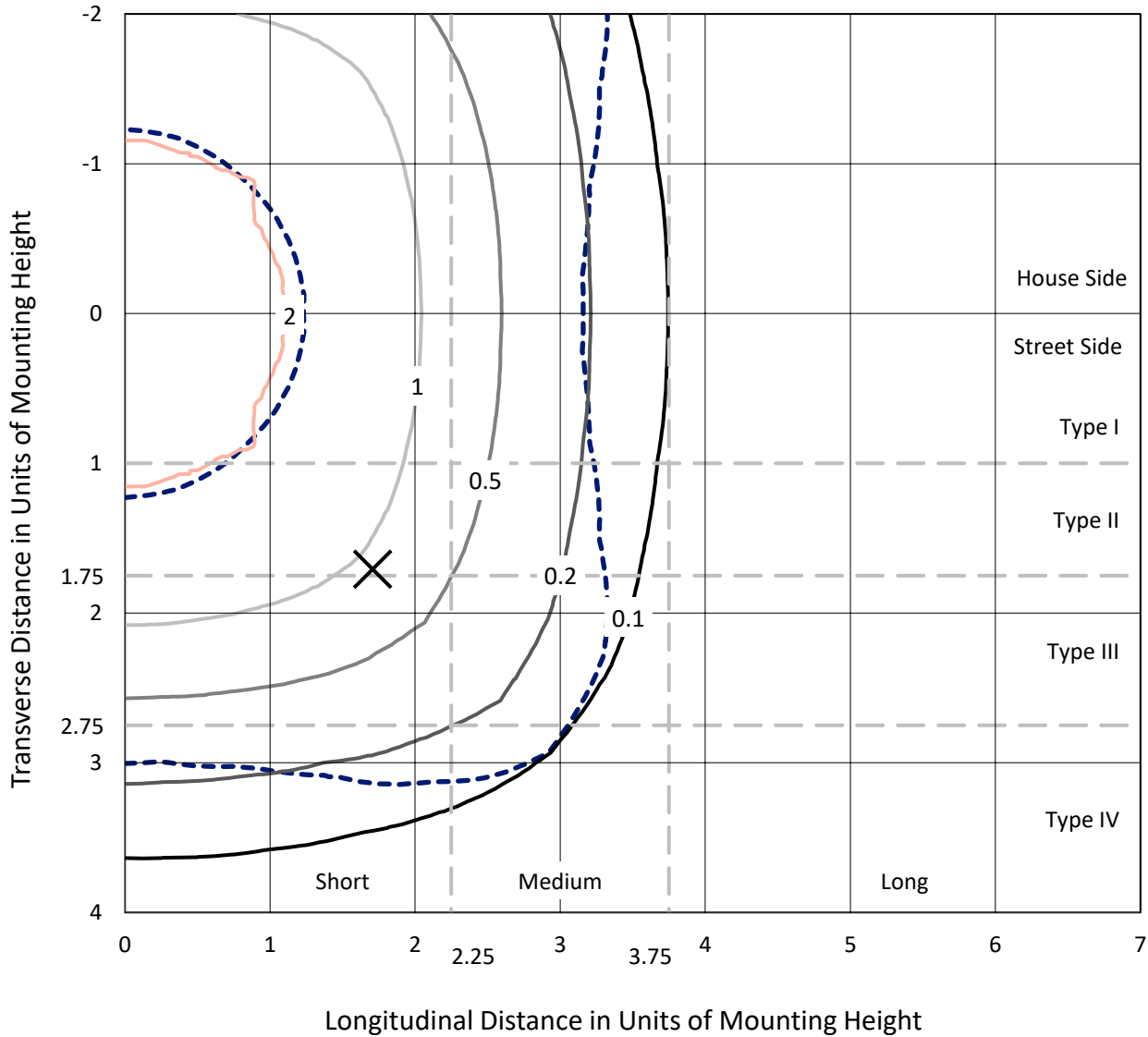
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639781
 CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

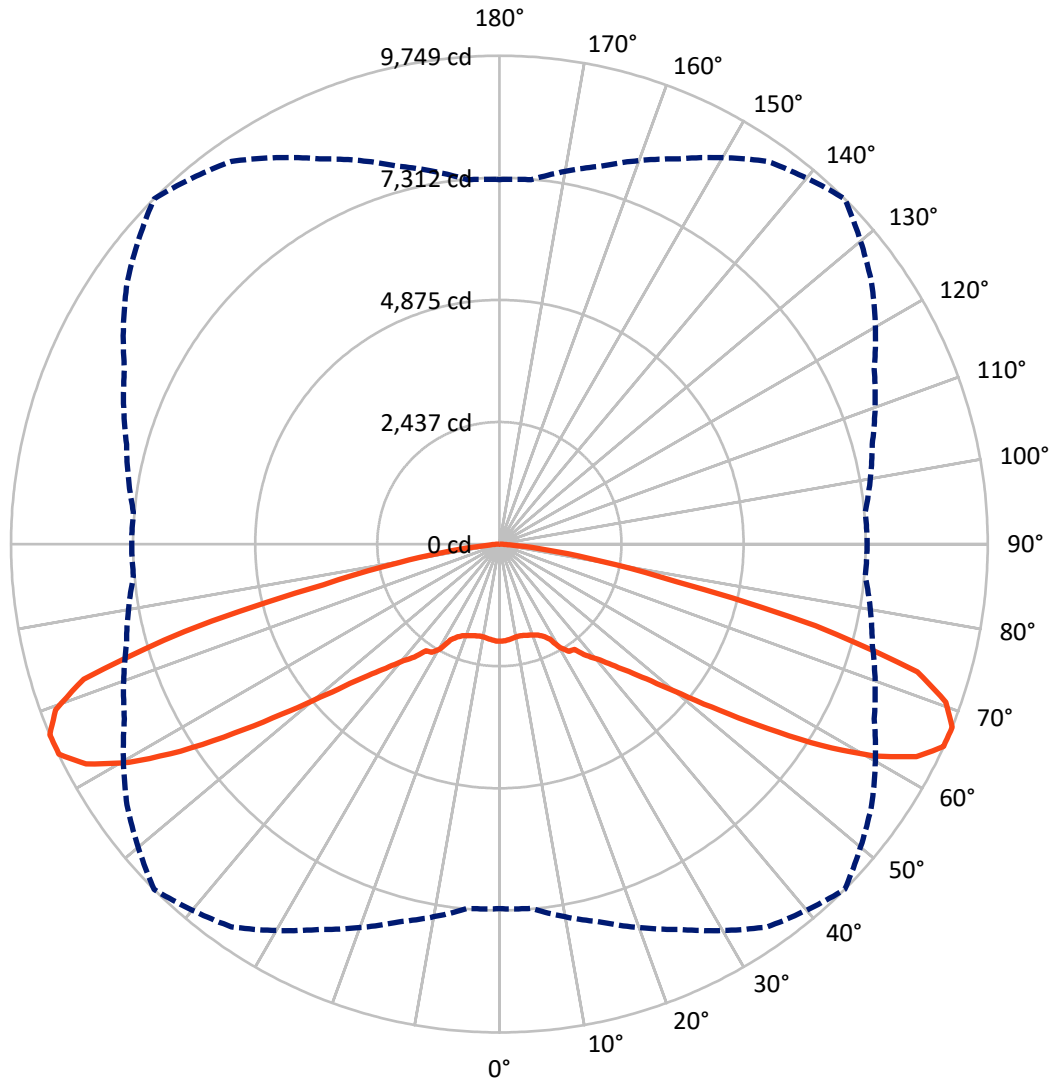
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P639781
CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639781

CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12347.1	0.0	12347.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12347.1	0.0	12347.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	24694.3	0.0	24694.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	0.7
10°-20°	539.6	2.2
20°-30°	967.9	3.9
30°-40°	1635.1	6.6
40°-50°	2872.9	11.6
50°-60°	5541.9	22.4
60°-70°	8040.6	32.6
70°-80°	4600.5	18.6
80°-90°	314.0	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°	24694.3	100.0
0°-180°	24694.3	100.0

Coefficient of Utilization



REPORT NUMBER: P639781

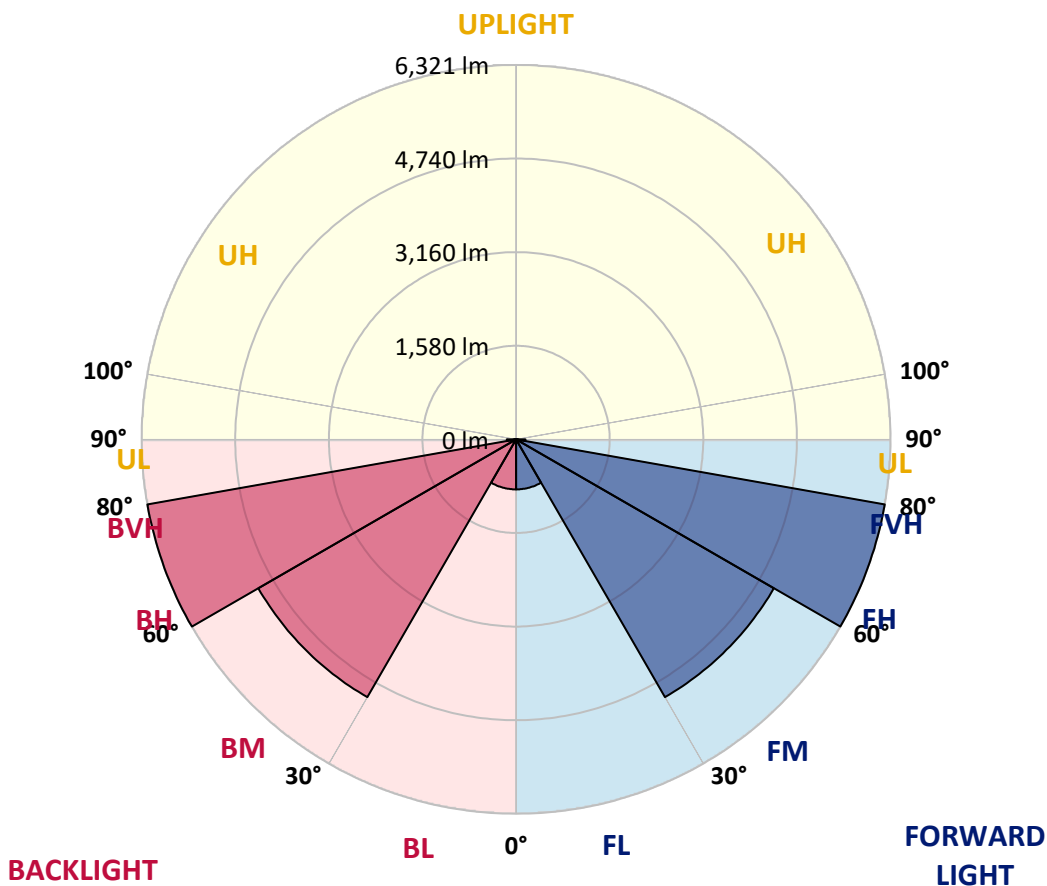
CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.7	3.4			
FM (30°-60°)	5025.0	20.3			
FH (60°-80°)	6320.5	25.6			G3/7500
FVH (80°-90°)	157.0	0.6			G2/225
BL (0°-30°)	844.7	3.4	B2/1000		
BM (30°-60°)	5025.0	20.3	B4/8500		
BH (60°-80°)	6320.5	25.6	B5		G3/7500
BVH (80°-90°)	157.0	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





REPORT NUMBER: P639781
 CATALOG NUMBER: GWS-SA5C-750-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5	1936.5
2.5°	1920.8	1922.6	1926.1	1926.1	1929.6	1934.8	1936.5	1933.0	1934.8	1926.1	1934.8
5°	1915.6	1917.3	1919.1	1915.6	1915.6	1917.3	1917.3	1913.8	1915.6	1906.9	1915.6
7.5°	1903.4	1905.1	1905.1	1899.9	1894.6	1898.1	1898.1	1894.6	1896.4	1887.6	1898.1
10°	1892.9	1892.9	1891.1	1880.7	1875.4	1880.7	1882.4	1884.2	1891.1	1884.2	1896.4
12.5°	1899.9	1899.9	1894.6	1880.7	1871.9	1875.4	1878.9	1882.4	1894.6	1892.9	1906.9
15°	1919.1	1920.8	1906.9	1891.1	1885.9	1891.1	1887.6	1885.9	1901.6	1906.9	1922.6
17.5°	1934.8	1934.8	1917.3	1901.6	1903.4	1912.1	1905.1	1896.4	1912.1	1922.6	1940.0
20°	1948.8	1947.0	1927.8	1917.3	1924.3	1936.5	1931.3	1919.1	1929.6	1941.8	1957.5
22.5°	1983.7	1981.9	1961.0	1955.7	1962.7	1975.0	1969.7	1959.2	1971.5	1988.9	2008.1
25°	2083.2	2079.7	2048.3	2030.8	2027.3	2036.1	2034.3	2030.8	2050.0	2071.0	2093.7
27.5°	2215.9	2214.2	2191.5	2174.0	2151.3	2144.3	2149.6	2165.3	2193.2	2208.9	2228.2
30°	2282.3	2282.3	2278.8	2306.7	2355.6	2402.8	2366.1	2306.7	2282.3	2275.3	2294.5
32.5°	2369.6	2378.3	2366.1	2397.5	2479.6	2549.5	2479.6	2383.6	2366.1	2366.1	2387.1
35°	2570.4	2573.9	2554.7	2549.5	2575.6	2584.4	2551.2	2516.3	2535.5	2539.0	2565.2
37.5°	2731.1	2731.1	2722.3	2736.3	2790.4	2823.6	2769.5	2706.6	2711.9	2715.3	2748.5
40°	2979.0	2986.0	2965.0	2963.3	2984.3	3013.9	2956.3	2916.2	2944.1	2952.8	3003.5
42.5°	3288.1	3288.1	3256.7	3247.9	3261.9	3293.3	3239.2	3213.0	3249.7	3256.7	3286.4
45°	3656.5	3665.3	3623.4	3607.7	3614.6	3625.1	3586.7	3574.5	3609.4	3625.1	3677.5
47.5°	4105.3	4114.1	4077.4	4075.6	4068.6	4075.6	4039.0	4032.0	4059.9	4047.7	4103.6
50°	4658.9	4674.6	4643.1	4686.8	4681.6	4702.5	4651.9	4615.2	4615.2	4582.0	4613.5
52.5°	5278.8	5310.2	5325.9	5399.3	5455.1	5507.5	5423.7	5366.1	5282.3	5214.2	5299.7
55°	5954.5	5945.8	6045.3	6206.0	6370.1	6494.1	6330.0	6148.4	6012.2	5870.7	5903.9
57.5°	6546.5	6576.2	6707.2	7000.5	7325.3	7587.2	7292.1	6942.9	6633.8	6431.3	6459.2
60°	7038.9	7063.4	7238.0	7660.6	8228.1	8589.6	8121.6	7545.3	7096.6	6817.2	6846.9
62.5°	7492.9	7515.7	7692.0	8158.3	8874.2	9345.7	8741.5	7953.9	7454.5	7173.4	7190.9
65°	7754.9	7768.8	8009.8	8500.5	9254.9	9742.1	9061.0	8249.1	7758.4	7472.0	7482.5
67.5°	7278.2	7300.9	7809.0	8486.5	9328.2	9749.0	9075.0	8257.8	7706.0	7332.3	7341.0
70°	5741.5	5722.3	6328.2	7492.9	8907.4	9455.7	8671.6	7637.9	6785.7	6263.6	6254.9
72.5°	4377.7	4383.0	4720.0	5518.0	7262.5	8725.8	7651.9	6150.1	5231.6	4835.2	4819.5
75°	3174.6	3223.5	3497.6	4082.6	5079.7	6522.1	5760.7	4557.6	3942.9	3705.4	3670.5
77.5°	1430.1	1493.0	1875.4	2563.4	3396.4	3604.2	3618.1	3094.3	2334.7	1940.0	1878.9
80°	417.3	447.0	574.5	983.1	1582.1	2044.8	1624.0	1365.5	850.4	667.0	635.6
82.5°	176.4	200.8	246.2	272.4	459.3	948.2	590.2	375.4	349.2	282.9	258.4
85°	75.1	80.3	103.0	110.0	148.4	202.6	186.8	169.4	162.4	125.7	115.2
87.5°	31.4	31.4	31.4	27.9	26.2	27.9	38.4	48.9	64.6	50.6	47.1
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)