

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: P639940

Luminaire Tested: GWS-SA5C-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19589.6 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

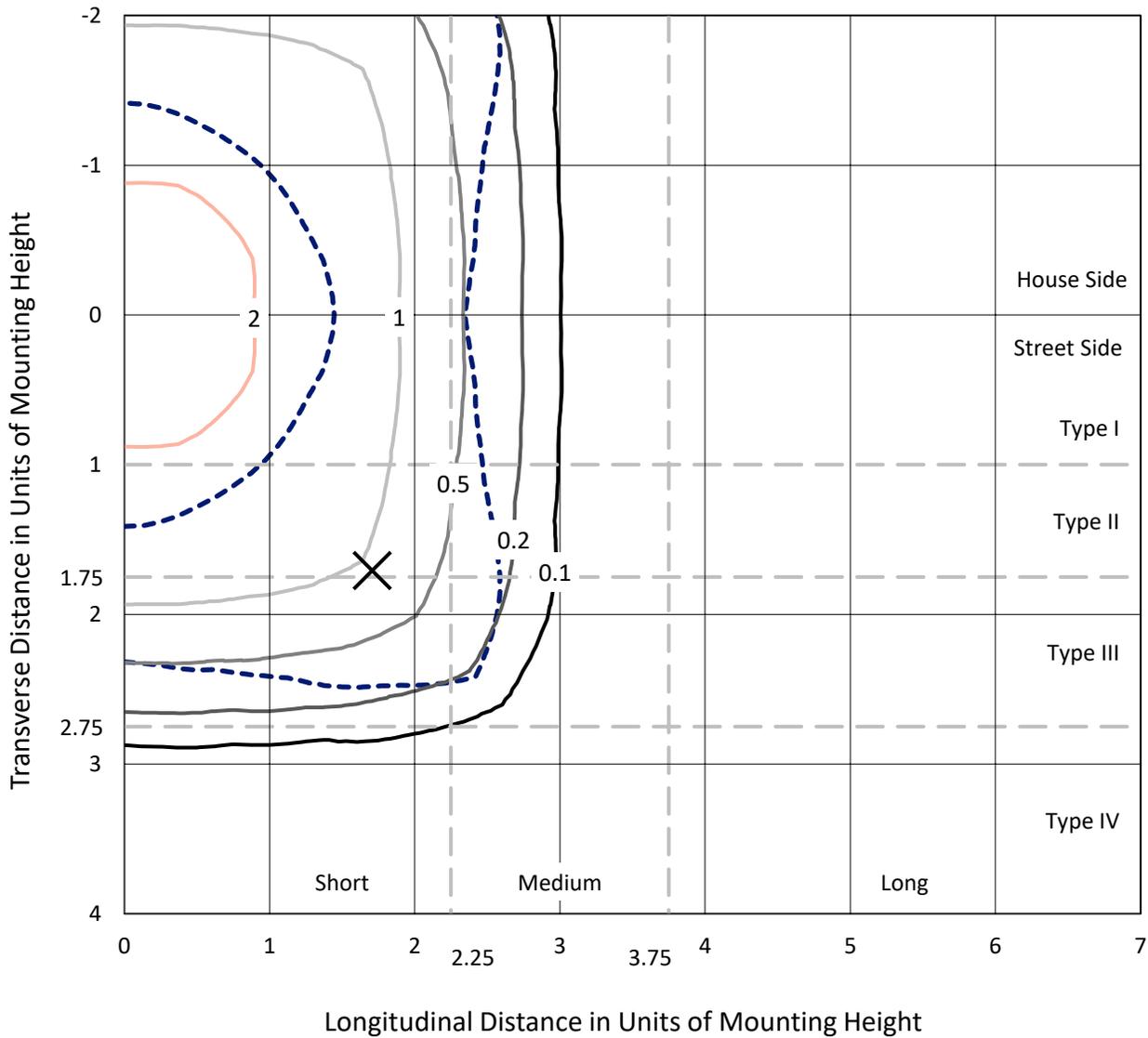
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639940
 CATALOG NUMBER: GWS-SA5C-830-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

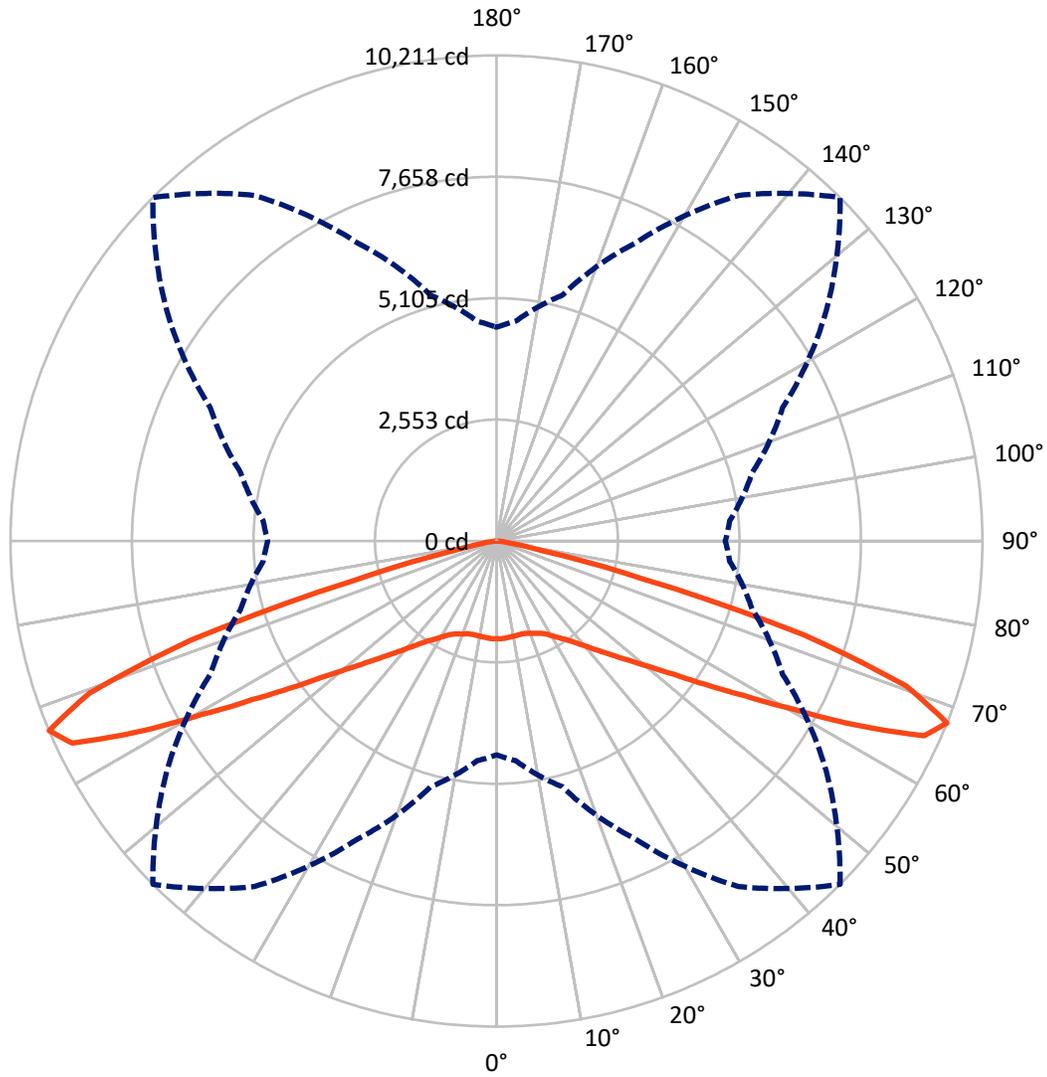
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P639940
CATALOG NUMBER: GWS-SA5C-830-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639940

CATALOG NUMBER: GWS-SA5C-830-U-5MQ-W

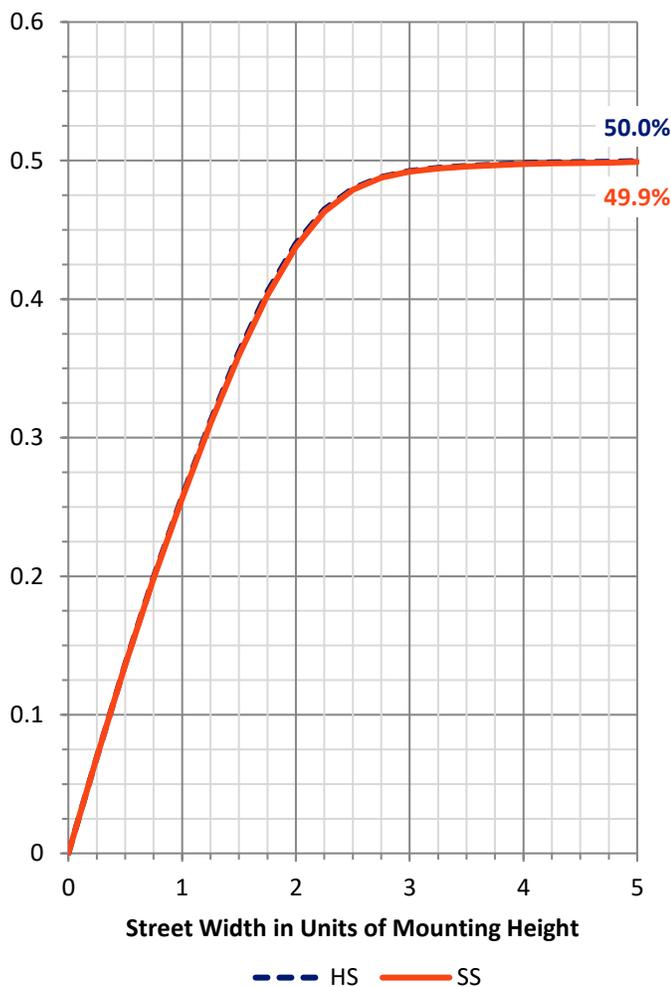
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9794.8	0.0	9794.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9794.8	0.0	9794.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19589.6	0.0	19589.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	1.0
10°-20°	570.3	2.9
20°-30°	983.7	5.0
30°-40°	1599.5	8.2
40°-50°	2693.2	13.7
50°-60°	4771.8	24.4
60°-70°	6821.0	34.8
70°-80°	1872.1	9.6
80°-90°	83.9	0.4
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°	19589.6	100.0
0°-180°	19589.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639940

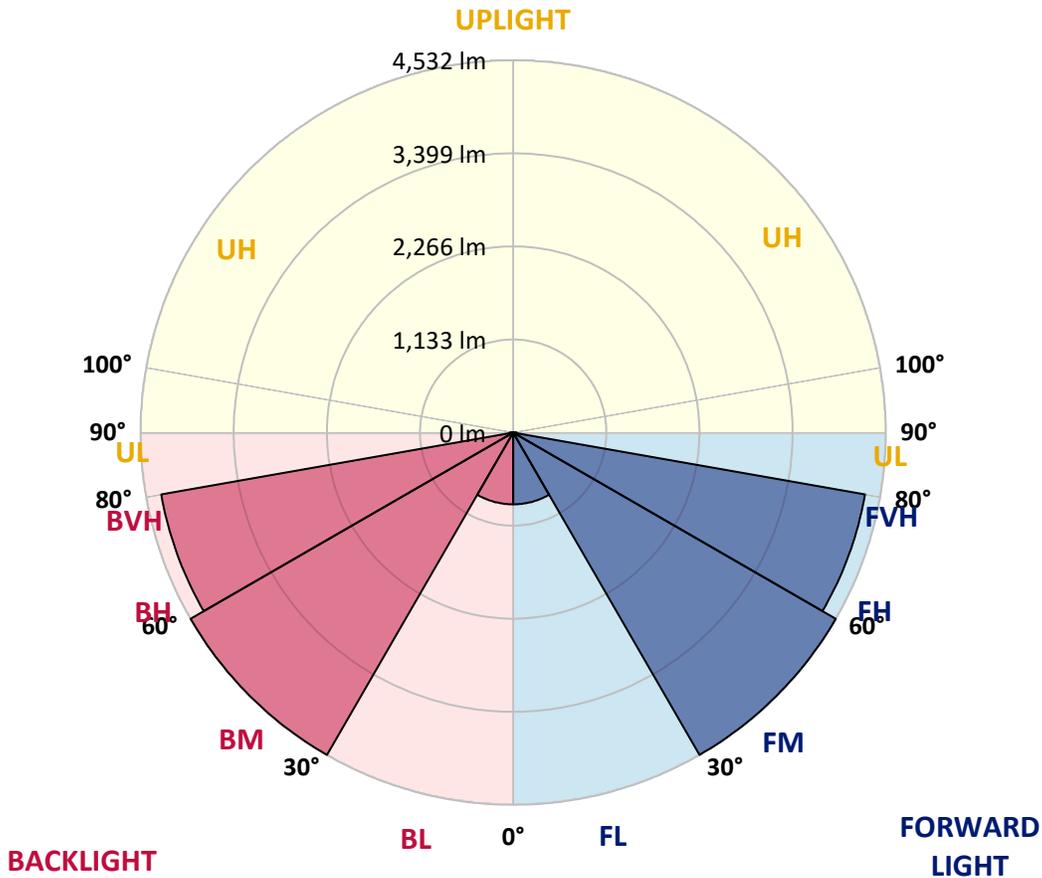
CATALOG NUMBER: GWS-SA5C-830-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.1	4.5			
FM (30°-60°)	4532.2	23.1			
FH (60°-80°)	4346.5	22.2			G2/5000
FVH (80°-90°)	41.9	0.2			G1/100
BL (0°-30°)	874.1	4.5	B2/1000		
BM (30°-60°)	4532.2	23.1	B3/5000		
BH (60°-80°)	4346.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	41.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P639940
 CATALOG NUMBER: GWS-SA5C-830-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7	2051.7
2.5°	2038.1	2036.7	2043.5	2047.6	2046.2	2055.7	2054.4	2051.7	2051.7	2047.6	2058.4
5°	2038.1	2036.7	2042.2	2043.5	2040.8	2049.0	2046.2	2043.5	2043.5	2038.1	2047.6
7.5°	2027.3	2028.6	2032.7	2035.4	2032.7	2039.5	2035.4	2030.0	2028.6	2023.2	2032.7
10°	2006.9	2008.3	2012.3	2019.1	2020.5	2032.7	2025.9	2016.4	2012.3	2006.9	2016.4
12.5°	1994.7	1996.1	2000.1	2008.3	2011.0	2027.3	2020.5	2005.6	1998.8	1993.4	2002.8
15°	1992.0	1993.4	1998.8	2006.9	2011.0	2027.3	2020.5	2002.8	1993.4	1986.6	1994.7
17.5°	1992.0	1994.7	2002.8	2015.1	2023.2	2039.5	2031.3	2011.0	1997.4	1985.2	1993.4
20°	1993.4	1997.4	2009.6	2027.3	2047.6	2070.6	2059.8	2032.7	2013.7	1998.8	2004.2
22.5°	2005.6	2012.3	2027.3	2050.3	2080.1	2107.3	2097.8	2061.2	2034.0	2013.7	2019.1
25°	2047.6	2050.3	2069.3	2099.1	2127.6	2150.7	2141.2	2107.3	2073.4	2049.0	2055.7
27.5°	2122.2	2129.0	2145.2	2176.4	2200.8	2213.0	2211.7	2188.6	2154.7	2133.0	2138.5
30°	2211.7	2218.5	2240.2	2275.4	2299.8	2313.4	2309.3	2291.7	2260.5	2230.7	2236.1
32.5°	2316.1	2318.8	2344.6	2383.9	2409.7	2430.0	2416.4	2397.5	2358.1	2322.9	2325.6
35°	2449.0	2453.0	2480.2	2516.8	2537.1	2553.4	2550.7	2531.7	2489.7	2451.7	2461.2
37.5°	2615.8	2618.5	2642.9	2689.0	2705.3	2717.5	2720.2	2710.7	2667.3	2618.5	2628.0
40°	2823.2	2824.6	2851.7	2892.4	2910.0	2918.2	2919.5	2920.9	2876.1	2839.5	2836.8
42.5°	3064.6	3071.4	3109.4	3148.7	3156.8	3152.8	3166.3	3179.9	3136.5	3086.3	3090.4
45°	3353.4	3357.5	3409.0	3452.4	3437.5	3424.0	3449.7	3476.8	3437.5	3372.4	3353.4
47.5°	3695.2	3703.3	3758.9	3802.3	3777.9	3753.5	3795.5	3824.0	3760.3	3691.1	3673.5
50°	4081.6	4087.1	4165.7	4219.9	4191.5	4146.7	4199.6	4229.4	4144.0	4058.6	4020.6
52.5°	4538.6	4527.8	4632.2	4727.1	4709.5	4651.2	4694.6	4700.0	4572.5	4451.8	4413.9
55°	5095.9	5085.1	5189.5	5293.9	5337.3	5322.4	5302.1	5269.5	5081.0	4952.2	4916.9
57.5°	5745.5	5711.6	5858.0	5999.1	6094.0	6121.1	6034.3	5958.4	5809.2	5650.6	5609.9
60°	6348.9	6347.6	6579.4	6823.5	7083.9	7192.4	6972.7	6766.6	6431.6	6142.8	6084.5
62.5°	6518.4	6546.9	6926.6	7531.4	8174.1	8557.9	7978.8	7296.8	6649.9	6214.7	6137.4
65°	6100.8	6171.3	6711.0	7665.6	8934.8	9873.2	8566.0	7309.0	6407.2	5864.8	5783.4
67.5°	4496.6	4637.6	5352.2	6917.1	8869.8	10210.9	8461.6	6632.3	5565.1	4919.7	4807.1
70°	2218.5	2352.7	2919.5	4550.8	7298.1	9127.4	7321.2	4998.3	3758.9	3137.8	3034.8
72.5°	816.3	870.6	1093.0	1947.3	4027.4	6742.2	5006.4	2792.1	1821.1	1449.6	1380.4
75°	400.0	409.5	443.4	653.6	1486.2	3173.1	2352.7	1071.3	669.9	583.1	564.1
77.5°	254.9	259.0	275.3	311.9	477.3	999.4	713.3	423.1	328.2	314.6	314.6
80°	142.4	146.5	168.1	193.9	223.7	343.1	256.3	253.6	215.6	188.5	184.4
82.5°	67.8	74.6	107.1	105.8	118.0	172.2	150.5	137.0	138.3	104.4	99.0
85°	31.2	31.2	42.0	50.2	52.9	58.3	69.2	78.6	77.3	52.9	57.0
87.5°	14.9	14.9	14.9	13.6	12.2	10.8	14.9	24.4	35.3	24.4	23.1
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)