

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: P639664

Luminaire Tested: GWS-SA5C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20564.1 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

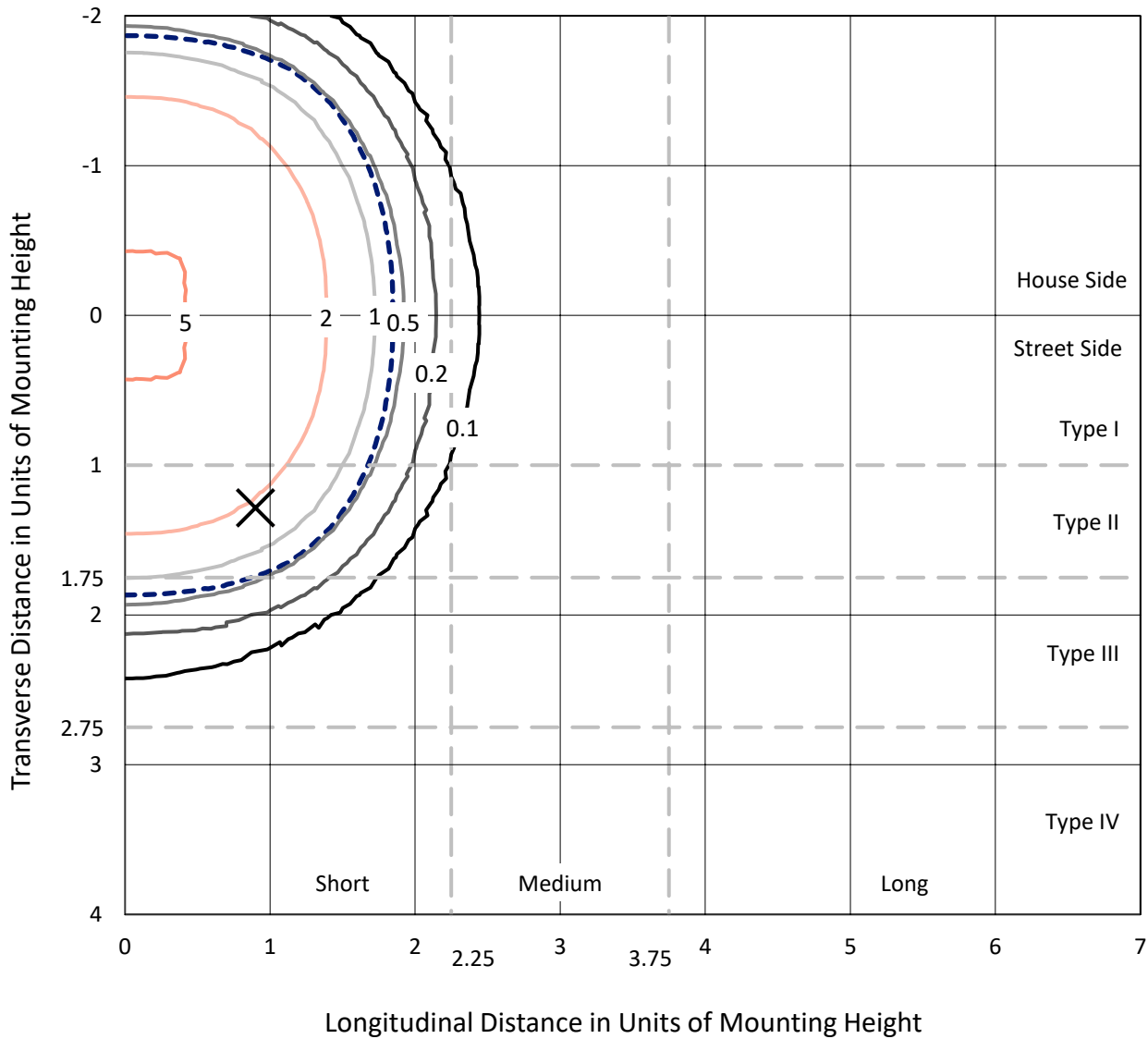
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639664
 CATALOG NUMBER: GWS-SA5C-735-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

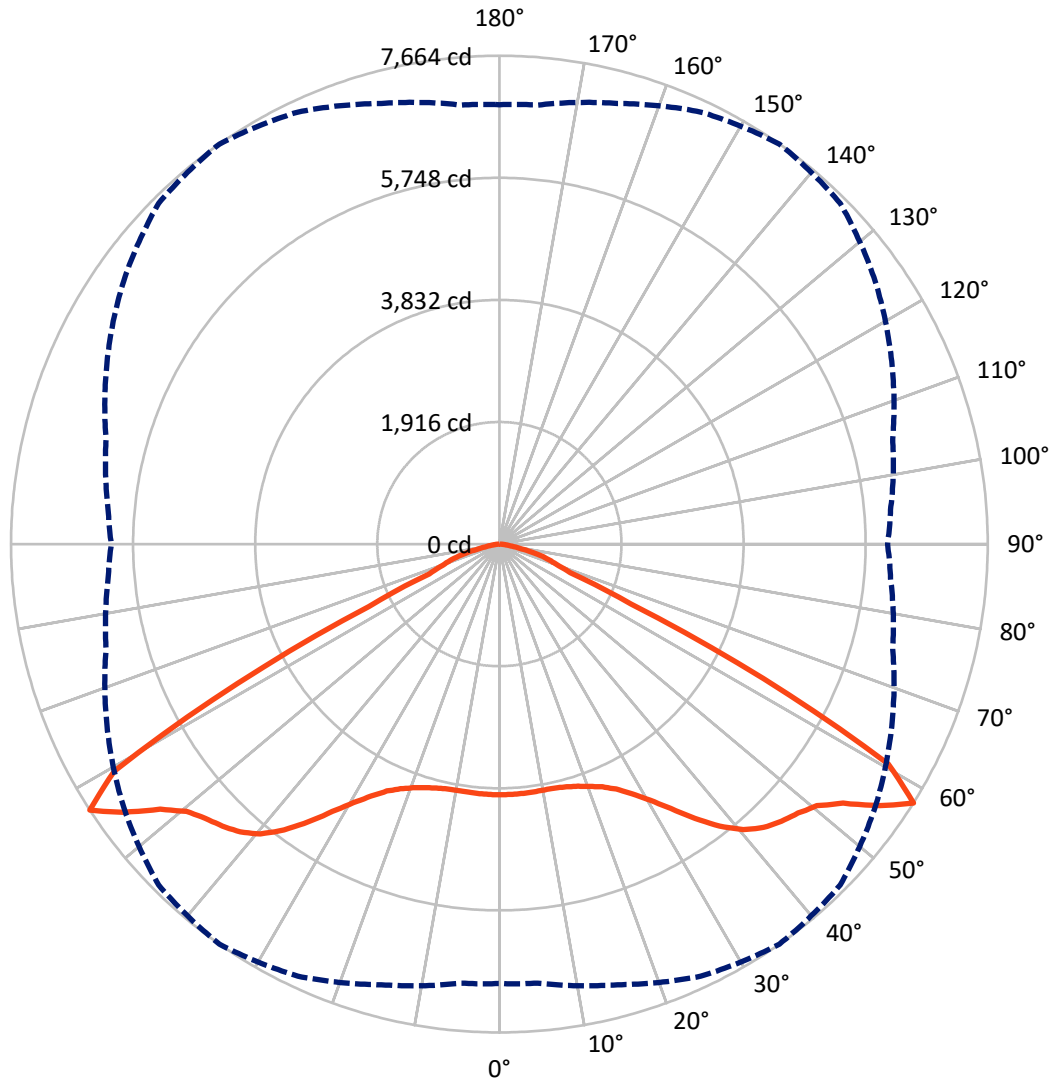
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P639664
CATALOG NUMBER: GWS-SA5C-735-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639664

CATALOG NUMBER: GWS-SA5C-735-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10282.1	0.0	10282.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10282.1	0.0	10282.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20564.1	0.0	20564.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.3	1.8
10°-20°	1116.8	5.4
20°-30°	1948.6	9.5
30°-40°	3195.2	15.5
40°-50°	4705.8	22.9
50°-60°	6005.5	29.2
60°-70°	2531.0	12.3
70°-80°	604.6	2.9
80°-90°	82.3	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°	20564.1	100.0
0°-180°	20564.1	100.0

Coefficient of Utilization



REPORT NUMBER: P639664

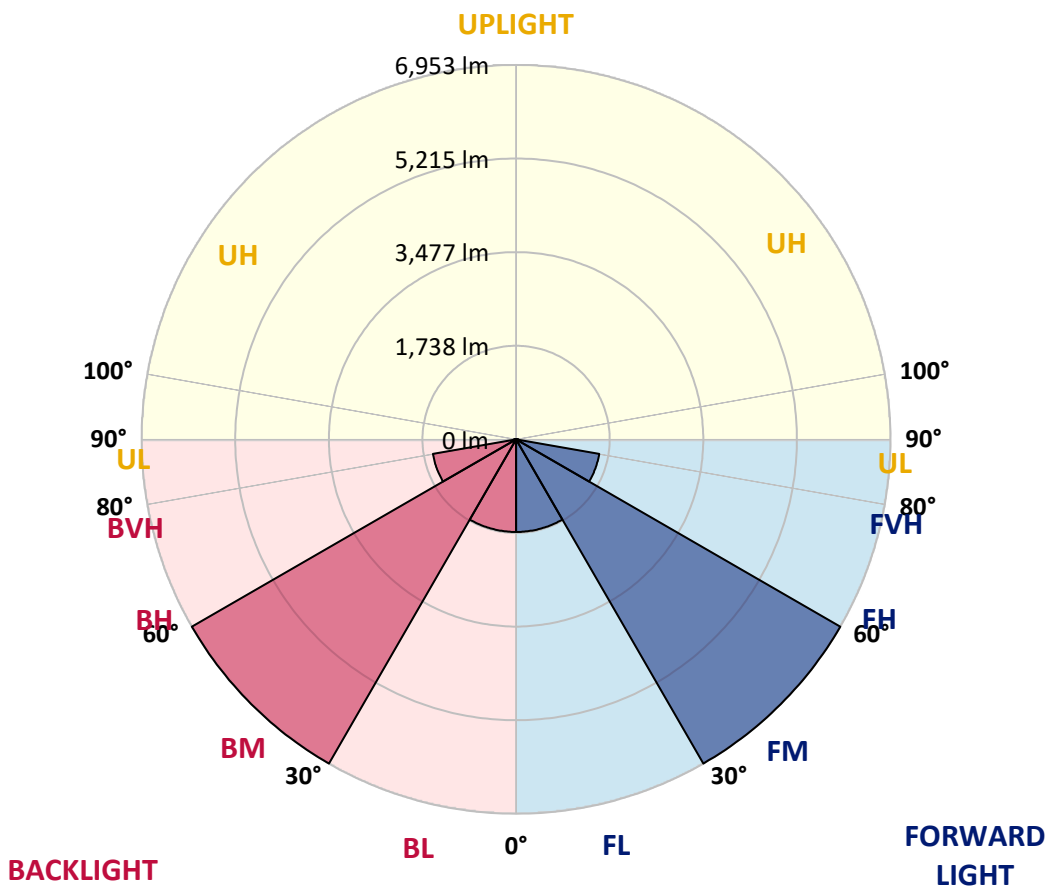
CATALOG NUMBER: GWS-SA5C-735-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1719.8	8.4			
FM (30°-60°)	6953.3	33.8			
FH (60°-80°)	1567.8	7.6			G1/1800
FVH (80°-90°)	41.1	0.2			G1/100
BL (0°-30°)	1719.8	8.4	B3/2500		
BM (30°-60°)	6953.3	33.8	B4/8500		
BH (60°-80°)	1567.8	7.6	B3/2500		G1/1800
BVH (80°-90°)	41.1	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-G1

Type V Short





REPORT NUMBER: P639664

CATALOG NUMBER: GWS-SA5C-735-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7	3934.7
2.5°	3911.1	3911.1	3919.6	3928.0	3931.3	3946.5	3944.8	3939.8	3936.4	3926.3	3939.8
5°	3919.6	3919.6	3926.3	3931.3	3929.7	3941.4	3936.4	3928.0	3922.9	3912.8	3928.0
7.5°	3917.9	3917.9	3922.9	3928.0	3924.6	3934.7	3926.3	3914.5	3906.1	3896.0	3909.5
10°	3896.0	3899.3	3904.4	3916.2	3921.2	3936.4	3924.6	3906.1	3892.6	3880.8	3894.3
12.5°	3892.6	3896.0	3902.7	3917.9	3926.3	3948.2	3933.0	3902.7	3882.5	3867.4	3880.8
15°	3907.8	3911.1	3921.2	3939.8	3953.2	3976.8	3954.9	3912.8	3884.2	3864.0	3875.8
17.5°	3926.3	3931.3	3946.5	3973.4	3995.3	4020.6	3993.6	3943.1	3902.7	3875.8	3885.9
20°	3946.5	3953.2	3976.8	4017.2	4057.6	4089.6	4055.9	3988.6	3939.8	3904.4	3914.5
22.5°	3981.8	3990.3	4020.6	4077.8	4138.4	4185.6	4143.5	4052.6	3988.6	3943.1	3951.5
25°	4054.2	4064.3	4103.1	4172.1	4258.0	4315.2	4256.3	4153.6	4064.3	4008.8	4017.2
27.5°	4182.2	4187.3	4237.8	4328.7	4434.8	4500.4	4429.7	4308.5	4209.1	4145.2	4151.9
30°	4350.6	4365.7	4416.2	4535.8	4662.0	4749.6	4657.0	4513.9	4399.4	4321.9	4328.7
32.5°	4556.0	4566.1	4641.8	4766.4	4948.3	5049.3	4923.0	4753.0	4614.9	4520.6	4527.4
35°	4825.4	4833.8	4906.2	5064.4	5285.0	5379.3	5234.5	5039.2	4879.2	4790.0	4815.3
37.5°	5146.9	5162.1	5214.3	5370.9	5616.7	5709.3	5542.6	5360.8	5194.1	5111.6	5130.1
40°	5492.1	5490.4	5532.5	5670.6	5894.5	5951.7	5801.9	5657.1	5514.0	5460.1	5490.4
42.5°	5788.4	5780.0	5810.3	5924.8	6079.7	6084.7	5985.4	5904.6	5803.6	5766.5	5795.1
45°	5995.5	5998.9	6044.3	6123.5	6202.6	6160.5	6130.2	6116.7	6037.6	5987.1	5992.1
47.5°	6158.8	6172.3	6244.7	6298.6	6308.7	6237.9	6280.0	6300.2	6234.6	6157.1	6135.2
50°	6303.6	6325.5	6419.8	6477.0	6455.1	6365.9	6448.4	6478.7	6333.9	6185.8	6142.0
52.5°	6566.3	6591.5	6706.0	6780.1	6754.8	6665.6	6743.0	6635.3	6391.2	6209.3	6153.8
55°	6985.5	6997.3	7137.0	7258.2	7246.5	7137.0	7074.7	6835.6	6539.3	6350.8	6298.6
57.5°	6896.3	6916.5	7158.9	7482.2	7664.0	7564.7	7199.3	6791.9	6389.5	6162.2	6091.5
60°	5426.4	5475.3	5776.6	6345.7	7012.4	7010.7	6332.2	5699.2	5214.3	4912.9	4882.6
62.5°	3168.6	3202.3	3476.8	4052.6	4650.3	4687.3	4210.8	3776.4	3352.2	3148.4	3050.8
65°	1500.1	1498.5	1607.9	1867.2	2271.3	2303.2	2160.1	1922.7	1671.9	1602.8	1584.3
67.5°	1107.8	1107.8	1099.4	1117.9	1195.4	1212.2	1195.4	1156.7	1133.1	1148.3	1138.2
70°	961.4	963.1	952.9	947.9	947.9	942.8	949.6	964.7	974.8	995.0	984.9
72.5°	779.5	781.2	781.2	782.9	784.6	777.8	788.0	796.4	798.1	804.8	798.1
75°	553.9	557.3	567.4	575.8	582.5	582.5	585.9	587.6	580.9	589.3	575.8
77.5°	304.7	308.1	326.6	341.8	356.9	358.6	363.7	367.0	363.7	370.4	360.3
80°	168.4	171.7	180.2	186.9	198.7	208.8	215.5	218.9	218.9	223.9	218.9
82.5°	96.0	99.3	104.4	107.8	117.9	126.3	133.0	138.1	138.1	139.7	136.4
85°	45.5	45.5	48.8	52.2	57.2	60.6	69.0	74.1	74.1	77.4	74.1
87.5°	6.7	8.4	10.1	10.1	13.5	16.8	20.2	21.9	25.3	26.9	26.9
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)