

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: P637684

Luminaire Tested: GWS-SA4D-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637684
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-SA4D-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21148.3 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 162.1
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

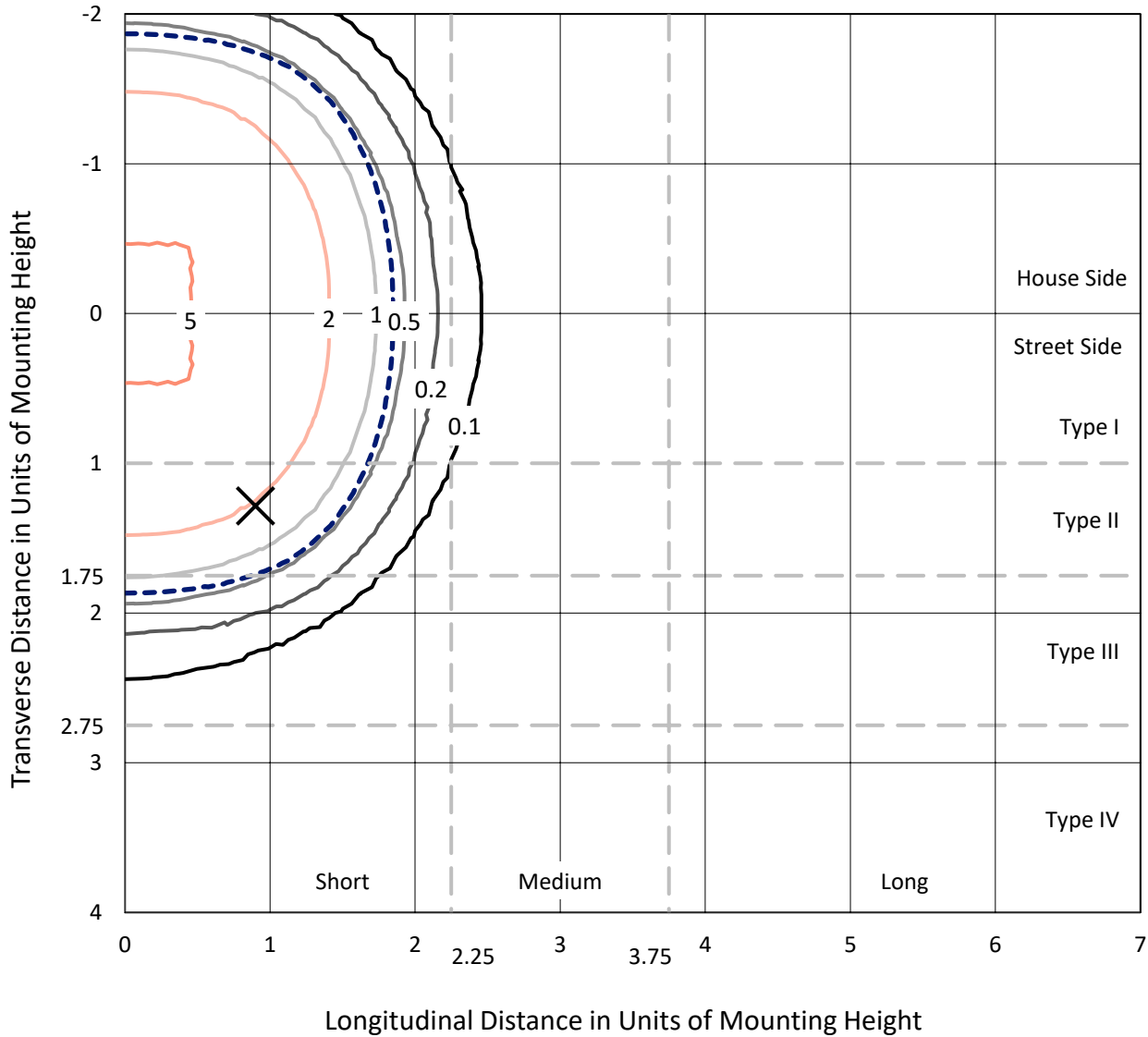


REPORT NUMBER: P637684

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

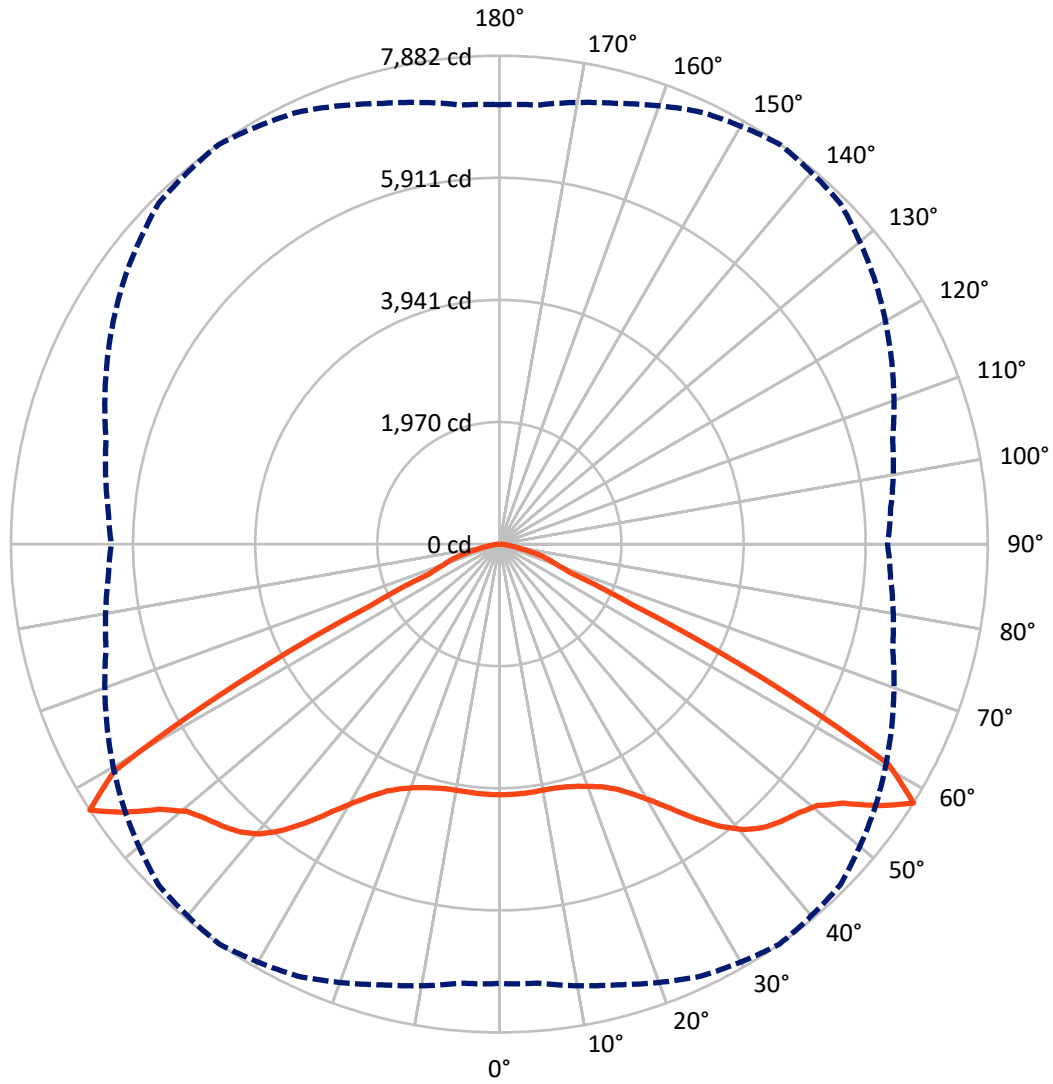
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

REPORT NUMBER: P637684
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637684

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10574.2	0.0	10574.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10574.2	0.0	10574.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21148.3	0.0	21148.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.0	1.8
10°-20°	1148.5	5.4
20°-30°	2003.9	9.5
30°-40°	3286.0	15.5
40°-50°	4839.5	22.9
50°-60°	6176.1	29.2
60°-70°	2602.9	12.3
70°-80°	621.8	2.9
80°-90°	84.6	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°	21148.3	100.0
0°-180°	21148.3	100.0

Coefficient of Utilization



REPORT NUMBER: P637684

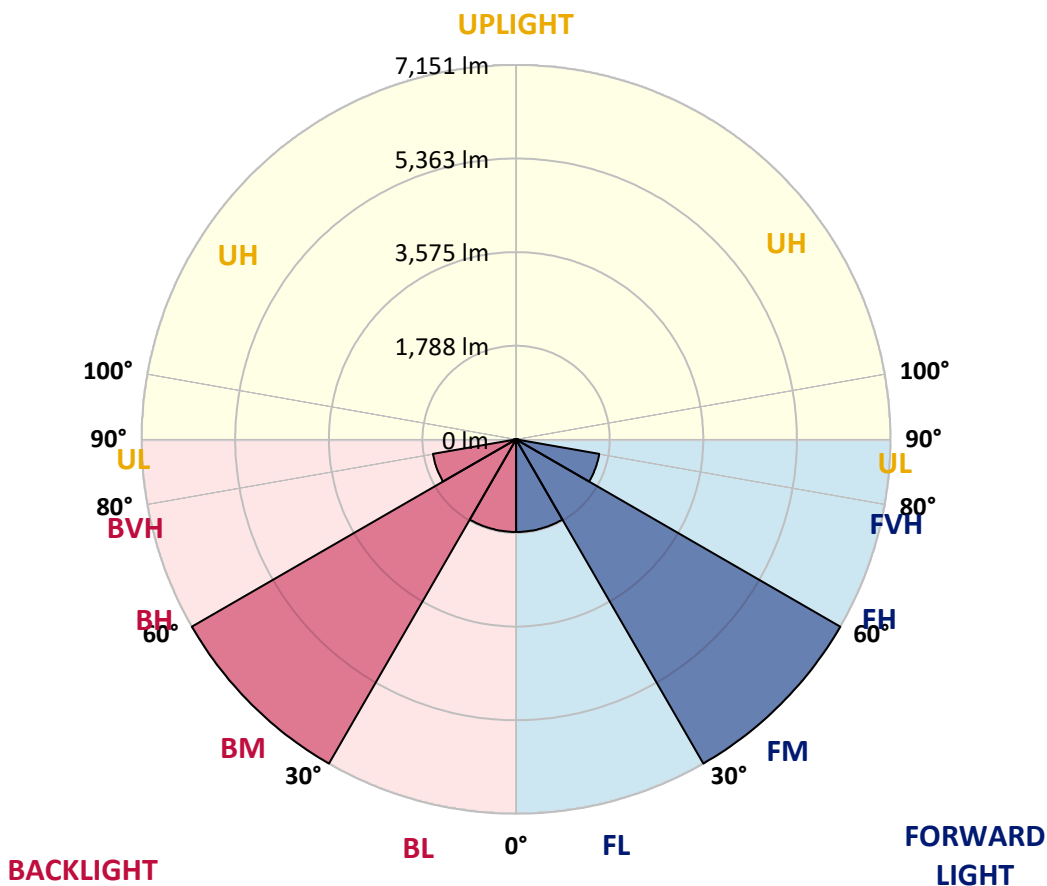
CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1768.7	8.4			
FM (30°-60°)	7150.8	33.8			
FH (60°-80°)	1612.3	7.6			G1/1800
FVH (80°-90°)	42.3	0.2			G1/100
BL (0°-30°)	1768.7	8.4	B3/2500		
BM (30°-60°)	7150.8	33.8	B4/8500		
BH (60°-80°)	1612.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	42.3	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: P637684

CATALOG NUMBER: GWS-SA4D-735-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5	4046.5
2.5°	4022.2	4022.2	4030.9	4039.6	4043.0	4058.6	4056.9	4051.7	4048.2	4037.8	4051.7
5°	4030.9	4030.9	4037.8	4043.0	4041.3	4053.4	4048.2	4039.6	4034.4	4024.0	4039.6
7.5°	4029.2	4029.2	4034.4	4039.6	4036.1	4046.5	4037.8	4025.7	4017.0	4006.7	4020.5
10°	4006.7	4010.1	4015.3	4027.4	4032.6	4048.2	4036.1	4017.0	4003.2	3991.1	4004.9
12.5°	4003.2	4006.7	4013.6	4029.2	4037.8	4060.3	4044.8	4013.6	3992.8	3977.2	3991.1
15°	4018.8	4022.2	4032.6	4051.7	4065.5	4089.8	4067.3	4024.0	3994.5	3973.8	3985.9
17.5°	4037.8	4043.0	4058.6	4086.3	4108.8	4134.8	4107.1	4055.1	4013.6	3985.9	3996.3
20°	4058.6	4065.5	4089.8	4131.3	4172.9	4205.8	4171.2	4101.9	4051.7	4015.3	4025.7
22.5°	4095.0	4103.6	4134.8	4193.7	4256.0	4304.5	4261.2	4167.7	4101.9	4055.1	4063.8
25°	4169.4	4179.8	4219.6	4290.6	4378.9	4437.8	4377.2	4271.6	4179.8	4122.7	4131.3
27.5°	4301.0	4306.2	4358.2	4451.7	4560.7	4628.3	4555.5	4430.9	4328.7	4262.9	4269.8
30°	4474.2	4489.7	4541.7	4664.6	4794.5	4884.5	4789.3	4642.1	4524.4	4444.7	4451.7
32.5°	4685.4	4695.8	4773.7	4901.8	5088.8	5192.7	5062.9	4888.0	4746.0	4649.0	4656.0
35°	4962.4	4971.1	5045.6	5208.3	5435.1	5532.1	5383.2	5182.3	5017.8	4926.1	4952.1
37.5°	5293.2	5308.7	5362.4	5523.4	5776.2	5871.5	5700.1	5513.1	5341.6	5256.8	5275.8
40°	5648.1	5646.4	5689.7	5831.6	6061.9	6120.8	5966.7	5817.8	5670.6	5615.2	5646.4
42.5°	5952.9	5944.2	5975.4	6093.1	6252.4	6257.6	6155.4	6072.3	5968.4	5930.3	5959.8
45°	6165.8	6169.3	6216.0	6297.4	6378.8	6335.5	6304.3	6290.5	6209.1	6157.2	6162.4
47.5°	6333.8	6347.6	6422.1	6477.5	6487.9	6415.2	6458.4	6479.2	6411.7	6332.0	6309.5
50°	6482.7	6505.2	6602.2	6661.0	6638.5	6546.8	6631.6	6662.8	6513.9	6361.5	6316.5
52.5°	6752.8	6778.8	6896.5	6972.7	6946.7	6855.0	6934.6	6823.8	6572.7	6385.7	6328.6
55°	7183.9	7196.1	7339.8	7464.4	7452.3	7339.8	7275.7	7029.8	6725.1	6531.2	6477.5
57.5°	7092.2	7112.9	7362.3	7694.7	7881.7	7779.6	7403.8	6984.8	6571.0	6337.2	6264.5
60°	5580.6	5630.8	5940.7	6526.0	7211.6	7209.9	6512.1	5861.1	5362.4	5052.5	5021.3
62.5°	3258.7	3293.3	3575.5	4167.7	4782.4	4820.5	4330.4	3883.7	3447.4	3237.9	3137.5
65°	1542.8	1541.0	1653.6	1920.2	2335.8	2368.7	2221.5	1977.4	1719.4	1648.4	1629.3
67.5°	1139.3	1139.3	1130.7	1149.7	1229.4	1246.7	1229.4	1189.5	1165.3	1180.9	1170.5
70°	988.7	990.4	980.0	974.8	974.8	969.6	976.6	992.1	1002.5	1023.3	1012.9
72.5°	801.7	803.4	803.4	805.1	806.9	799.9	810.3	819.0	820.7	827.7	820.7
75°	569.7	573.1	583.5	592.2	599.1	599.1	602.6	604.3	597.4	606.0	592.2
77.5°	313.4	316.9	335.9	351.5	367.1	368.8	374.0	377.5	374.0	380.9	370.5
80°	173.1	176.6	185.3	192.2	204.3	214.7	221.6	225.1	225.1	230.3	225.1
82.5°	98.7	102.2	107.4	110.8	121.2	129.9	136.8	142.0	142.0	143.7	140.3
85°	46.8	46.8	50.2	53.7	58.9	62.3	71.0	76.2	76.2	79.6	76.2
87.5°	6.9	8.7	10.4	10.4	13.9	17.3	20.8	22.5	26.0	27.7	27.7
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)