

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: P641151

Luminaire Tested: GWS-SA5F-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28968 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

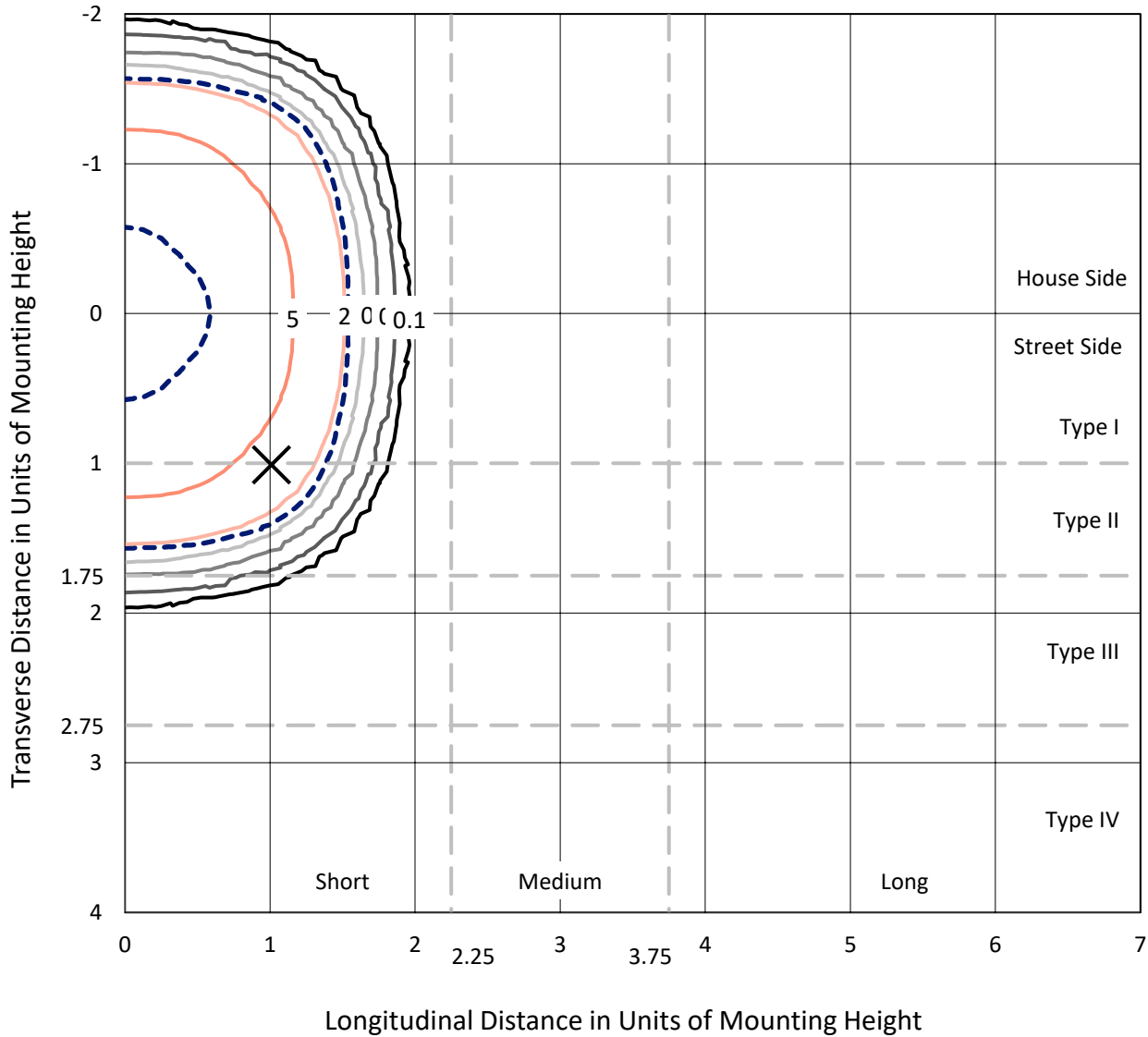
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641151
 CATALOG NUMBER: GWS-SA5F-735-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

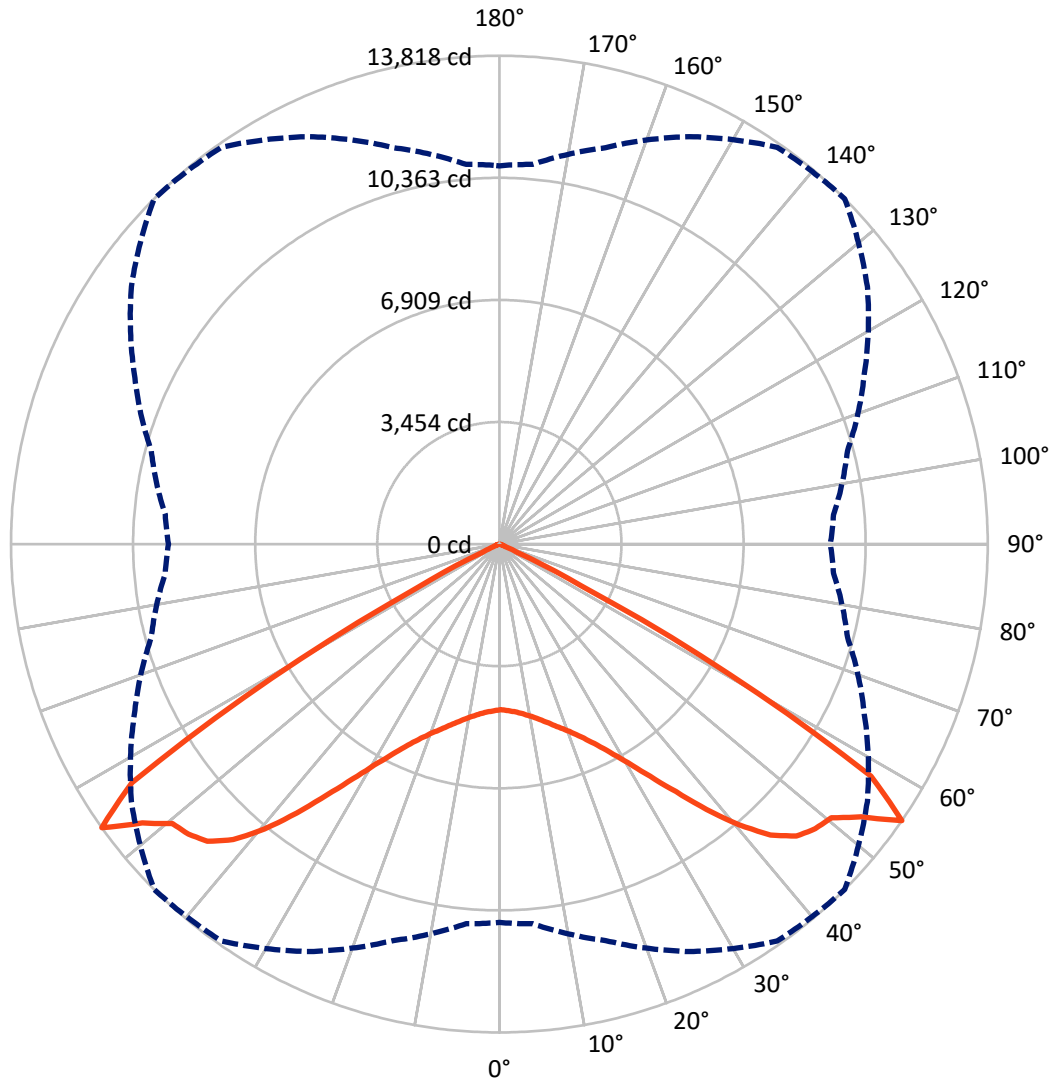
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

REPORT NUMBER: P641151
CATALOG NUMBER: GWS-SA5F-735-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641151

CATALOG NUMBER: GWS-SA5F-735-U-5NQ-W-GRSBK

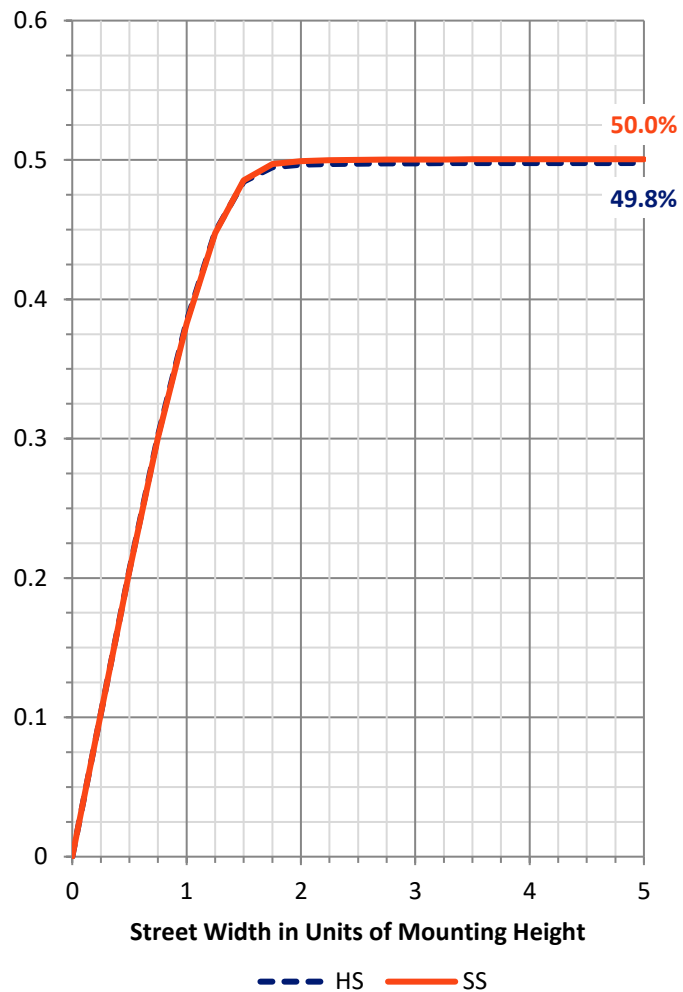
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14484.0	0.0	14484.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14484.0	0.0	14484.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28968.0	0.0	28968.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.9	1.6
10°-20°	1487.5	5.1
20°-30°	2880.8	9.9
30°-40°	5161.0	17.8
40°-50°	8652.8	29.9
50°-60°	9262.4	32.0
60°-70°	1017.8	3.5
70°-80°	44.8	0.2
80°-90°	2.1	0.0
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°	28968.0	100.0
0°-180°	28968.0	100.0

Coefficient of Utilization



REPORT NUMBER: P641151

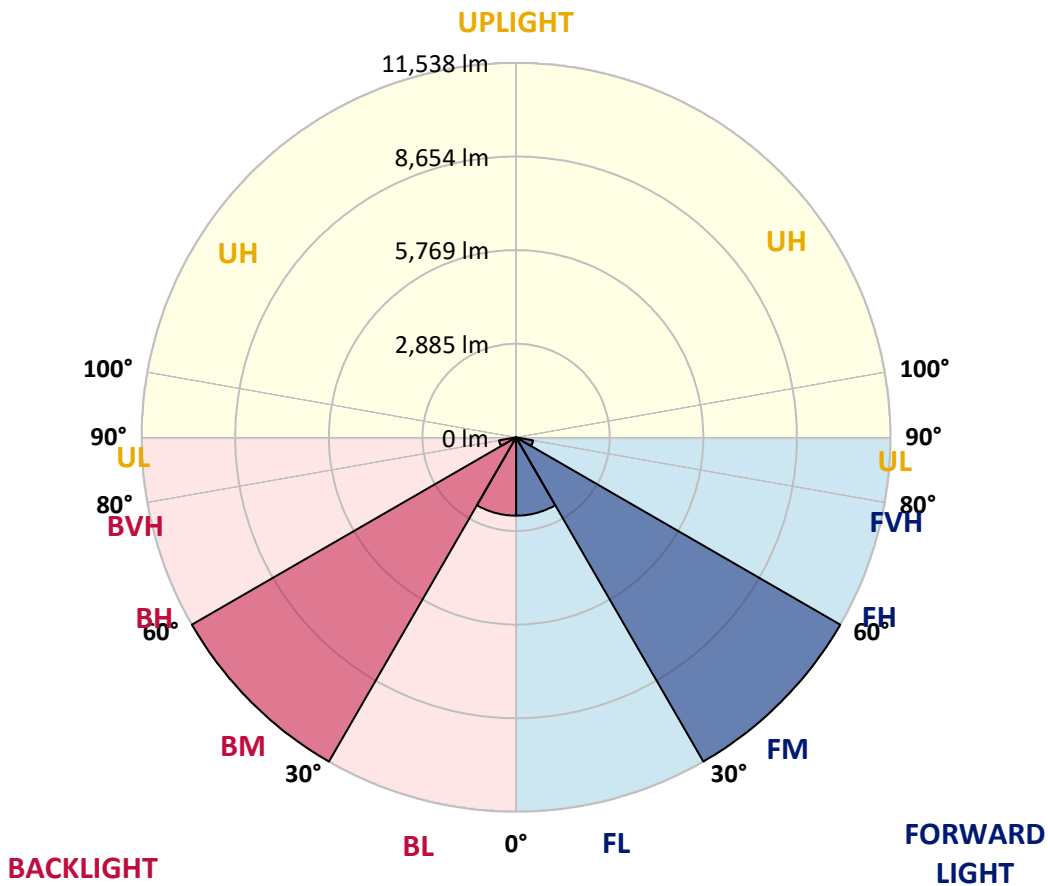
CATALOG NUMBER: GWS-SA5F-735-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2413.6	8.3			
FM (30°-60°)	11538.1	39.8			
FH (60°-80°)	531.3	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2413.6	8.3	B3/2500		
BM (30°-60°)	11538.1	39.8	B5		
BH (60°-80°)	531.3	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





REPORT NUMBER: P641151

CATALOG NUMBER: GWS-SA5F-735-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6	4683.6
2.5°	4674.7	4674.7	4686.5	4695.4	4695.4	4719.0	4710.1	4701.3	4701.3	4689.5	4713.1
5°	4742.6	4739.6	4751.4	4757.3	4745.5	4769.2	4754.4	4745.5	4739.6	4727.8	4751.4
7.5°	4816.4	4819.3	4822.3	4834.1	4828.2	4851.8	4840.0	4822.3	4816.4	4798.7	4822.3
10°	4904.9	4904.9	4910.8	4925.6	4928.5	4958.0	4946.2	4925.6	4907.9	4890.2	4913.8
12.5°	5017.1	5020.0	5028.9	5049.5	5061.3	5093.8	5076.1	5034.8	5008.2	4987.5	5014.1
15°	5179.4	5176.4	5188.2	5217.7	5232.5	5256.1	5229.5	5173.5	5141.0	5117.4	5135.1
17.5°	5356.4	5356.4	5362.3	5391.9	5412.5	5447.9	5415.5	5347.6	5318.1	5285.6	5303.3
20°	5551.2	5560.1	5566.0	5586.6	5622.1	5657.5	5630.9	5563.0	5530.6	5489.2	5509.9
22.5°	5808.0	5799.1	5802.1	5837.5	5887.7	5923.1	5902.4	5822.7	5766.7	5734.2	5746.0
25°	6094.2	6091.3	6100.1	6153.3	6209.3	6247.7	6218.2	6114.9	6058.8	6002.8	6026.4
27.5°	6445.4	6448.4	6454.3	6519.2	6607.8	6663.8	6590.0	6486.8	6410.0	6336.2	6354.0
30°	6861.6	6855.7	6873.4	6961.9	7091.8	7180.3	7094.7	6950.1	6840.9	6770.1	6778.9
32.5°	7304.2	7310.1	7357.4	7499.0	7670.2	7826.6	7652.5	7460.7	7319.0	7186.2	7203.9
35°	7782.3	7797.1	7903.3	8112.9	8393.2	8602.8	8360.8	8045.0	7844.3	7673.1	7679.0
37.5°	8346.0	8381.4	8529.0	8841.8	9243.2	9523.5	9169.4	8750.3	8490.6	8278.1	8263.4
40°	9086.8	9128.1	9328.8	9700.6	10187.6	10444.3	10034.1	9603.2	9281.5	9051.4	9015.9
42.5°	9936.7	9989.8	10208.2	10588.9	11075.9	11250.0	10848.6	10485.6	10196.4	9924.9	9913.1
45°	10895.9	10925.4	11102.4	11394.6	11745.8	11787.1	11486.1	11285.4	10993.3	10739.4	10718.8
47.5°	11796.0	11825.5	11946.5	12097.0	12179.6	12032.1	11979.0	11890.4	11512.7	11199.8	11134.9
50°	12480.7	12504.3	12654.8	12713.8	12483.6	12170.8	12274.1	12085.2	11675.0	11323.8	11223.4
52.5°	12433.4	12492.5	12879.1	13215.5	13070.9	12817.1	12539.7	12132.4	11495.0	11013.9	10890.0
55°	10704.0	10783.7	11613.0	12719.7	13708.4	13817.6	12707.9	11394.6	10196.4	9491.1	9364.2
57.5°	6879.3	6899.9	7912.2	9464.5	11692.7	12395.1	10538.8	8591.0	7100.6	6324.4	6271.3
60°	2529.2	2487.9	3252.2	4539.0	6734.7	7478.4	6203.4	4344.2	3098.8	2549.8	2505.6
62.5°	607.9	613.9	761.4	1142.1	2113.1	2614.8	2065.8	1153.9	734.9	616.8	610.9
65°	306.9	301.0	304.0	327.6	451.5	540.1	442.7	312.8	301.0	304.0	301.0
67.5°	197.7	194.8	200.7	203.6	200.7	188.9	185.9	191.8	191.8	194.8	188.9
70°	121.0	118.0	124.0	132.8	126.9	112.1	118.0	124.0	118.0	115.1	115.1
72.5°	64.9	64.9	70.8	76.7	70.8	64.9	64.9	67.9	64.9	64.9	64.9
75°	29.5	29.5	32.5	35.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5
77.5°	8.9	8.9	11.8	11.8	8.9	8.9	8.9	8.9	11.8	11.8	11.8
80°	3.0	5.9	5.9	3.0	3.0	3.0	3.0	3.0	5.9	5.9	5.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0
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)