

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: P640987

Luminaire Tested: GWS-SA5F-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27871.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

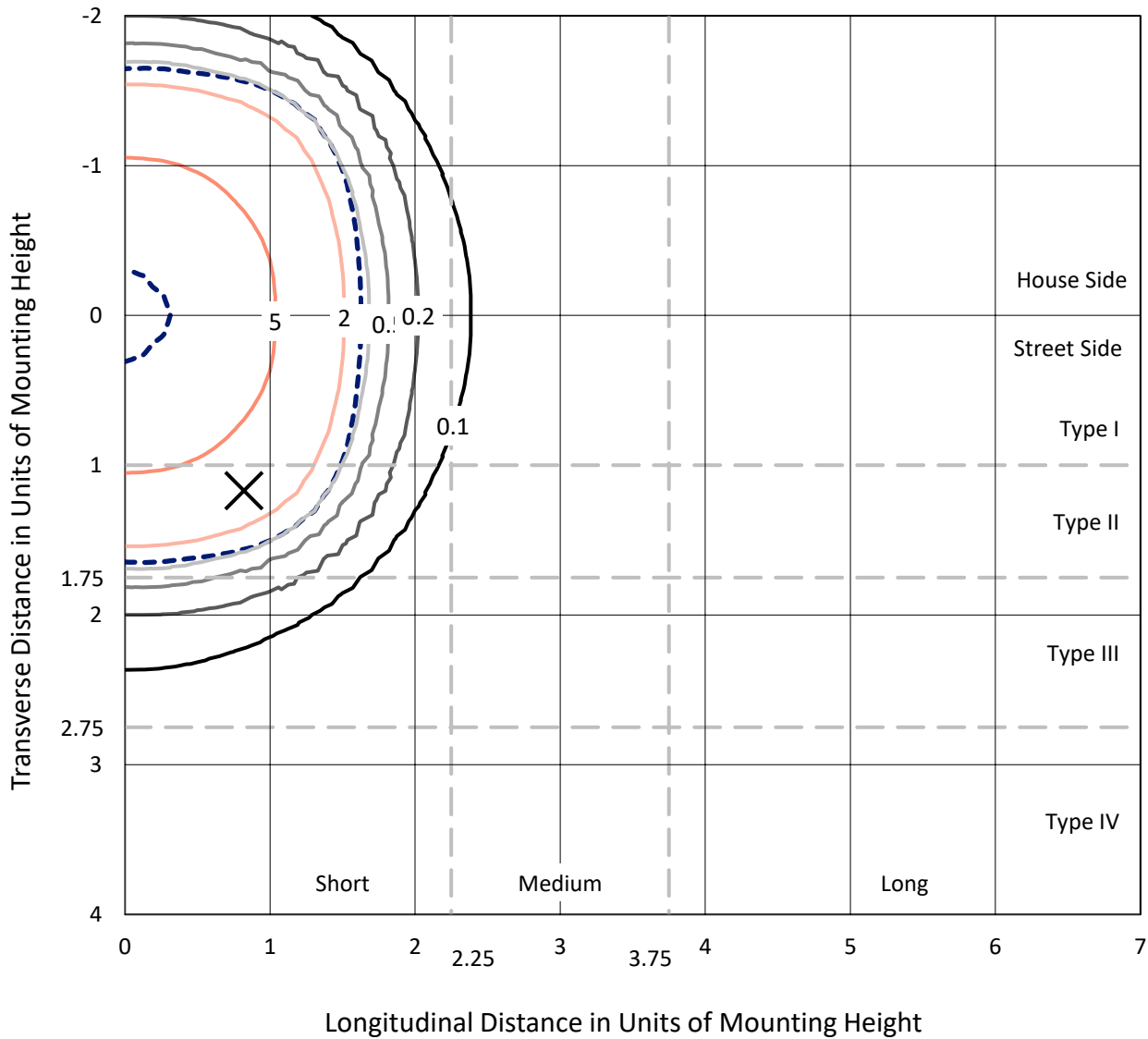
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640987
 CATALOG NUMBER: GWS-SA5F-722-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

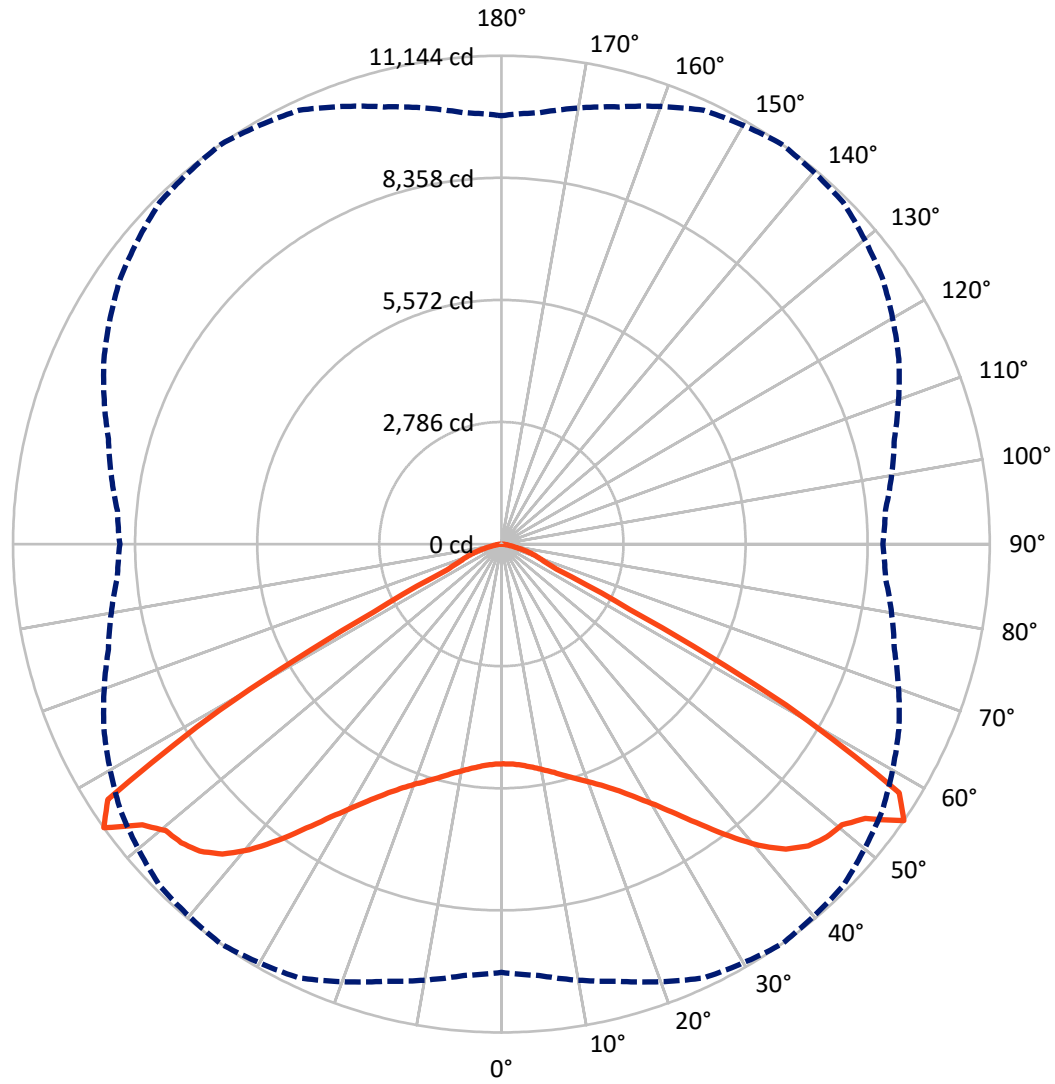
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

REPORT NUMBER: P640987
CATALOG NUMBER: GWS-SA5F-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P640987

CATALOG NUMBER: GWS-SA5F-722-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13935.7	0.0	13935.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13935.7	0.0	13935.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27871.4	0.0	27871.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.1	1.8
10°-20°	1557.1	5.6
20°-30°	2881.8	10.3
30°-40°	4820.7	17.3
40°-50°	7346.0	26.4
50°-60°	8229.1	29.5
60°-70°	1947.1	7.0
70°-80°	524.9	1.9
80°-90°	75.5	0.3
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°	27871.4	100.0
0°-180°	27871.4	100.0

Coefficient of Utilization



REPORT NUMBER: P640987

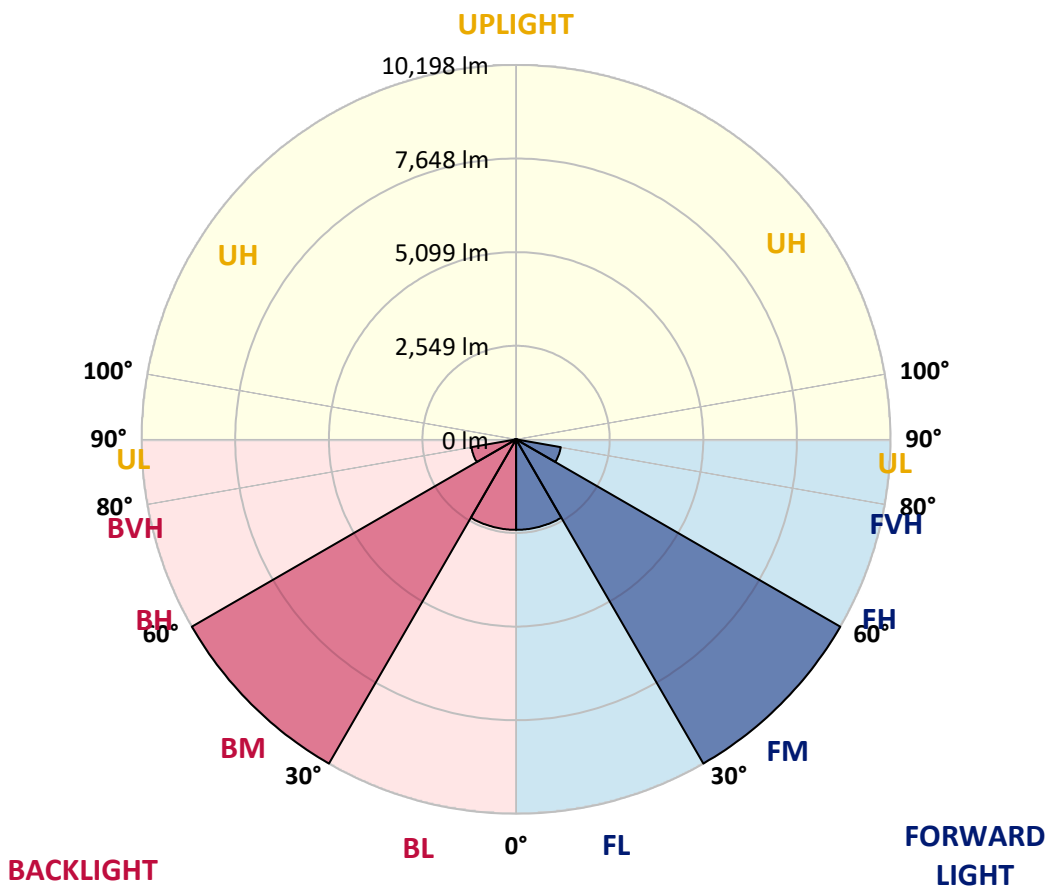
CATALOG NUMBER: GWS-SA5F-722-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2464.0	8.8			
FM (30°-60°)	10197.9	36.6			
FH (60°-80°)	1236.0	4.4			G1/1800
FVH (80°-90°)	37.8	0.1			G1/100
BL (0°-30°)	2464.0	8.8	B3/2500		
BM (30°-60°)	10197.9	36.6	B5		
BH (60°-80°)	1236.0	4.4	B3/2500		G1/1800
BVH (80°-90°)	37.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P640987

CATALOG NUMBER: GWS-SA5F-722-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1	5014.1
2.5°	5003.1	5003.1	5011.9	5023.0	5025.2	5047.2	5042.8	5034.0	5029.6	5020.8	5040.6
5°	5058.2	5060.4	5067.0	5073.6	5069.2	5086.9	5080.3	5069.2	5062.6	5051.6	5071.4
7.5°	5131.0	5131.0	5137.6	5146.4	5142.0	5168.4	5155.2	5139.8	5128.7	5115.5	5133.2
10°	5197.1	5201.5	5208.1	5225.7	5234.5	5263.2	5254.4	5232.3	5214.7	5199.3	5219.1
12.5°	5296.3	5300.7	5307.3	5331.5	5346.9	5375.6	5362.4	5331.5	5305.1	5283.0	5305.1
15°	5424.1	5419.7	5437.3	5468.2	5488.0	5514.5	5499.0	5446.1	5410.9	5382.2	5404.3
17.5°	5554.1	5551.9	5569.6	5609.2	5637.9	5673.1	5646.7	5585.0	5547.5	5512.2	5534.3
20°	5695.2	5701.8	5719.4	5756.9	5798.8	5845.1	5823.0	5756.9	5715.0	5675.3	5693.0
22.5°	5869.3	5871.5	5891.3	5939.8	5994.9	6039.0	6025.8	5944.2	5891.3	5849.5	5871.5
25°	6078.7	6076.5	6102.9	6160.2	6237.4	6281.4	6252.8	6162.4	6105.1	6056.6	6074.3
27.5°	6318.9	6316.7	6356.4	6431.3	6541.5	6603.2	6543.7	6431.3	6352.0	6283.7	6299.1
30°	6620.9	6614.3	6658.3	6759.7	6903.0	7006.6	6918.4	6761.9	6658.3	6585.6	6601.0
32.5°	6955.9	6964.7	7019.8	7156.4	7337.2	7471.6	7339.4	7165.3	7026.4	6920.6	6938.2
35°	7323.9	7323.9	7436.4	7606.1	7863.9	8042.5	7837.5	7586.2	7401.1	7255.6	7260.0
37.5°	7733.9	7738.3	7886.0	8119.6	8456.8	8666.2	8388.5	8077.7	7852.9	7696.4	7687.6
40°	8234.2	8247.4	8399.5	8659.6	9038.7	9230.4	8932.9	8628.7	8399.5	8214.4	8196.7
42.5°	8798.4	8802.8	8963.7	9197.4	9516.9	9631.6	9397.9	9148.9	8961.5	8794.0	8776.4
45°	9336.2	9325.2	9464.1	9638.2	9823.3	9834.3	9704.3	9602.9	9439.8	9296.5	9270.1
47.5°	9755.0	9746.2	9871.8	9966.6	9988.6	9880.6	9922.5	9937.9	9748.4	9554.4	9503.7
50°	10010.6	10028.3	10147.3	10200.2	10070.2	9893.8	10052.5	10012.9	9741.8	9488.3	9406.7
52.5°	10164.9	10191.4	10398.6	10533.0	10398.6	10231.0	10253.1	10019.5	9629.4	9294.3	9188.5
55°	9774.8	9880.6	10328.0	10923.1	11143.5	11026.7	10607.9	10006.2	9283.3	8796.2	8705.9
57.5°	7244.6	7412.1	8075.5	9364.9	10704.9	11130.3	9907.1	8388.5	7293.1	6667.2	6614.3
60°	3698.3	3885.7	4416.9	5741.5	7465.0	8064.5	6900.8	5371.2	4269.2	3762.3	3705.0
62.5°	1509.8	1540.6	1714.7	2226.1	3299.4	3806.3	3343.5	2347.3	1763.2	1624.4	1626.6
65°	1188.0	1194.6	1185.8	1216.6	1381.9	1534.0	1417.2	1245.3	1214.4	1229.8	1218.8
67.5°	1035.9	1038.1	1031.5	1031.5	1038.1	1031.5	1044.7	1051.3	1055.7	1073.4	1062.3
70°	866.2	868.4	868.4	872.8	870.6	859.6	879.4	888.2	890.4	901.4	894.8
72.5°	670.0	676.6	681.0	683.2	681.0	674.4	685.4	700.9	698.7	709.7	698.7
75°	454.0	462.8	467.3	476.1	473.9	473.9	487.1	493.7	487.1	495.9	487.1
77.5°	257.9	264.5	277.7	286.5	295.3	302.0	310.8	315.2	313.0	317.4	313.0
80°	149.9	152.1	163.1	167.5	178.5	189.5	198.4	202.8	205.0	207.2	205.0
82.5°	86.0	88.2	92.6	97.0	105.8	114.6	123.4	130.0	130.0	132.2	130.0
85°	41.9	41.9	44.1	46.3	50.7	57.3	63.9	70.5	72.7	72.7	72.7
87.5°	6.6	6.6	8.8	8.8	11.0	13.2	17.6	22.0	24.2	24.2	24.2
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)