

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: P640492

Luminaire Tested: GWS-SA5E-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640492
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-SA5E-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: 25068.3 lumens
Efficiency: N/A
Efficacy: 93.0 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): 269.6
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

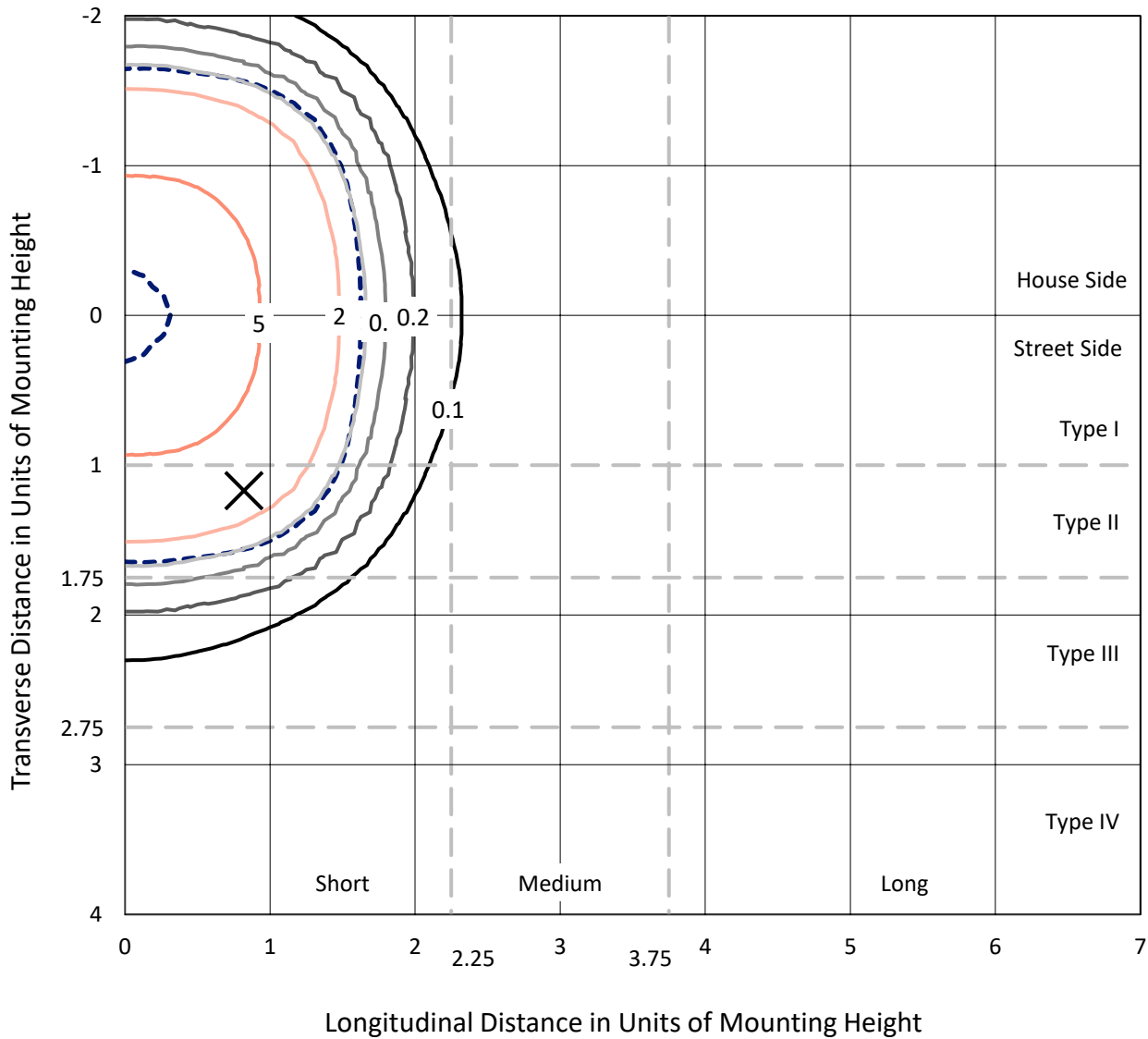


REPORT NUMBER: P640492

CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

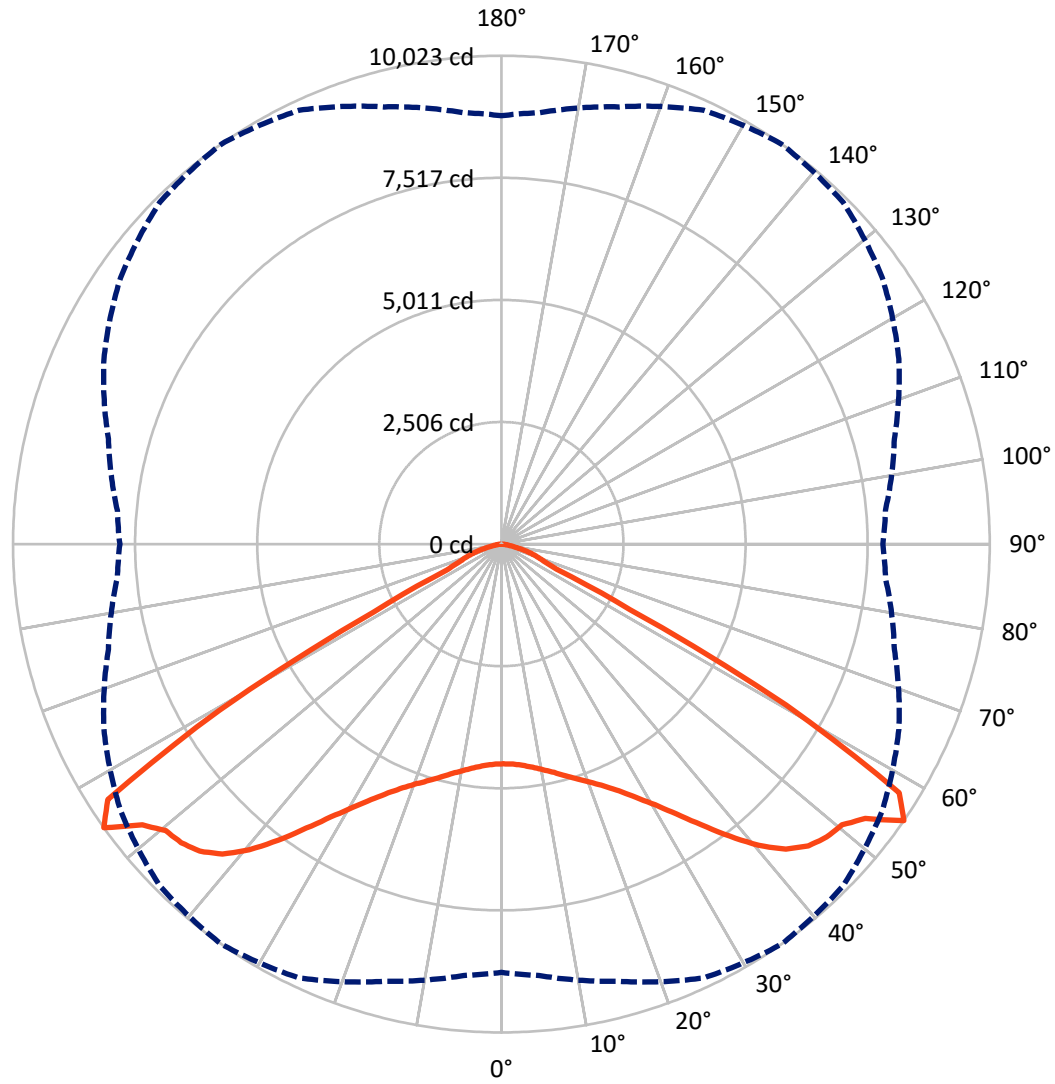
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

REPORT NUMBER: P640492
CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640492

CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W-GRSWH

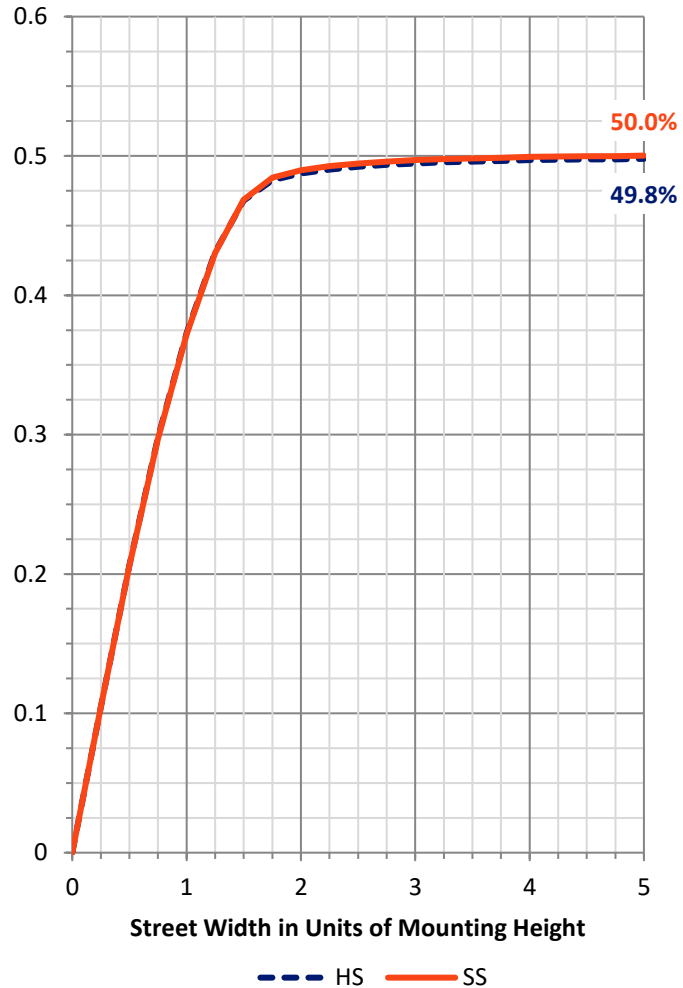
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12534.1	0.0	12534.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12534.1	0.0	12534.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25068.3	0.0	25068.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.9	1.8
10°-20°	1400.5	5.6
20°-30°	2592.0	10.3
30°-40°	4335.9	17.3
40°-50°	6607.2	26.4
50°-60°	7401.5	29.5
60°-70°	1751.2	7.0
70°-80°	472.1	1.9
80°-90°	67.9	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°	25068.3	100.0
0°-180°	25068.3	100.0

Coefficient of Utilization



REPORT NUMBER: P640492

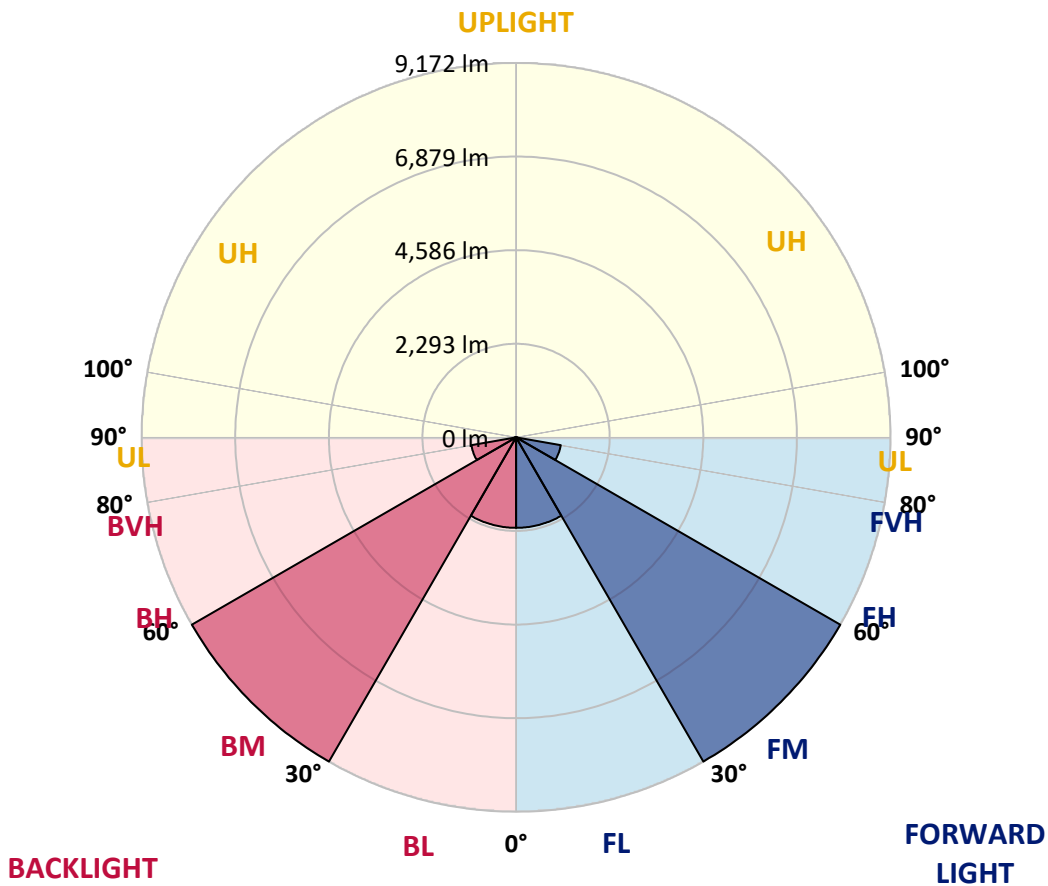
CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2216.2	8.8			
FM (30°-60°)	9172.3	36.6			
FH (60°-80°)	1111.7	4.4			G1/1800
FVH (80°-90°)	34.0	0.1			G1/100
BL (0°-30°)	2216.2	8.8	B3/2500		
BM (30°-60°)	9172.3	36.6	B5		
BH (60°-80°)	1111.7	4.4	B3/2500		G1/1800
BVH (80°-90°)	34.0	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: P640492

CATALOG NUMBER: GWS-SA5E-722-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9	4509.9
2.5°	4499.9	4499.9	4507.9	4517.8	4519.8	4539.6	4535.6	4527.7	4523.7	4515.8	4533.6
5°	4549.5	4551.5	4557.4	4563.4	4559.4	4575.3	4569.3	4559.4	4553.5	4543.6	4561.4
7.5°	4614.9	4614.9	4620.9	4628.8	4624.8	4648.6	4636.7	4622.8	4612.9	4601.0	4616.9
10°	4674.4	4678.4	4684.3	4700.2	4708.1	4733.9	4725.9	4706.1	4690.2	4676.4	4694.2
12.5°	4763.6	4767.6	4773.5	4795.3	4809.2	4835.0	4823.1	4795.3	4771.5	4751.7	4771.5
15°	4878.6	4874.6	4890.5	4918.2	4936.1	4959.8	4946.0	4898.4	4866.7	4840.9	4860.7
17.5°	4995.5	4993.5	5009.4	5045.1	5070.9	5102.6	5078.8	5023.3	4989.6	4957.9	4977.7
20°	5122.4	5128.3	5144.2	5177.9	5215.6	5257.2	5237.4	5177.9	5140.2	5104.6	5120.4
22.5°	5279.0	5281.0	5298.8	5342.4	5392.0	5431.6	5419.8	5346.4	5298.8	5261.2	5281.0
25°	5467.3	5465.3	5489.1	5540.7	5610.1	5649.7	5623.9	5542.7	5491.1	5447.5	5463.4
27.5°	5683.4	5681.4	5717.1	5784.5	5883.6	5939.1	5885.6	5784.5	5713.1	5651.7	5665.6
30°	5955.0	5949.0	5988.7	6079.9	6208.7	6301.9	6222.6	6081.9	5988.7	5923.3	5937.1
32.5°	6256.3	6264.2	6313.8	6436.7	6599.3	6720.2	6601.2	6444.6	6319.7	6224.6	6240.4
35°	6587.4	6587.4	6688.5	6841.1	7073.0	7233.6	7049.2	6823.3	6656.7	6525.9	6529.9
37.5°	6956.1	6960.0	7092.9	7303.0	7606.3	7794.6	7544.8	7265.3	7063.1	6922.4	6914.4
40°	7406.1	7418.0	7554.7	7788.7	8129.6	8302.1	8034.5	7760.9	7554.7	7388.2	7372.4
42.5°	7913.6	7917.5	8062.2	8272.4	8559.8	8662.9	8452.8	8228.7	8060.2	7909.6	7893.7
45°	8397.2	8387.3	8512.2	8668.8	8835.4	8845.3	8728.3	8637.1	8490.4	8361.6	8337.8
47.5°	8773.9	8766.0	8879.0	8964.2	8984.0	8886.9	8924.6	8938.4	8768.0	8593.5	8547.9
50°	9003.9	9019.7	9126.8	9174.3	9057.4	8898.8	9041.5	9005.8	8762.0	8534.0	8460.7
52.5°	9142.6	9166.4	9352.7	9473.7	9352.7	9202.1	9221.9	9011.8	8660.9	8359.6	8264.4
55°	8791.7	8886.9	9289.3	9824.5	10022.8	9917.7	9541.1	8999.9	8349.7	7911.6	7830.3
57.5°	6516.0	6666.7	7263.3	8423.0	9628.3	10010.9	8910.7	7544.8	6559.6	5996.6	5949.0
60°	3326.4	3494.9	3972.6	5164.0	6714.2	7253.4	6206.7	4831.0	3839.8	3383.9	3332.3
62.5°	1357.9	1385.7	1542.3	2002.2	2967.6	3423.5	3007.2	2111.2	1585.9	1461.0	1463.0
65°	1068.5	1074.4	1066.5	1094.3	1242.9	1379.7	1274.7	1120.0	1092.3	1106.2	1096.2
67.5°	931.7	933.7	927.7	927.7	933.7	927.7	939.6	945.6	949.5	965.4	955.5
70°	779.1	781.0	781.0	785.0	783.0	773.1	791.0	798.9	800.9	810.8	804.8
72.5°	602.6	608.6	612.5	614.5	612.5	606.6	616.5	630.4	628.4	638.3	628.4
75°	408.4	416.3	420.3	428.2	426.2	426.2	438.1	444.0	438.1	446.0	438.1
77.5°	231.9	237.9	249.8	257.7	265.6	271.6	279.5	283.5	281.5	285.5	281.5
80°	134.8	136.8	146.7	150.7	160.6	170.5	178.4	182.4	184.4	186.3	184.4
82.5°	77.3	79.3	83.3	87.2	95.2	103.1	111.0	117.0	117.0	118.9	117.0
85°	37.7	37.7	39.6	41.6	45.6	51.5	57.5	63.4	65.4	65.4	65.4
87.5°	5.9	5.9	7.9	7.9	9.9	11.9	15.9	19.8	21.8	21.8	21.8
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)