

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P850791

Luminaire Tested: **GLAN-SB8C-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47900 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

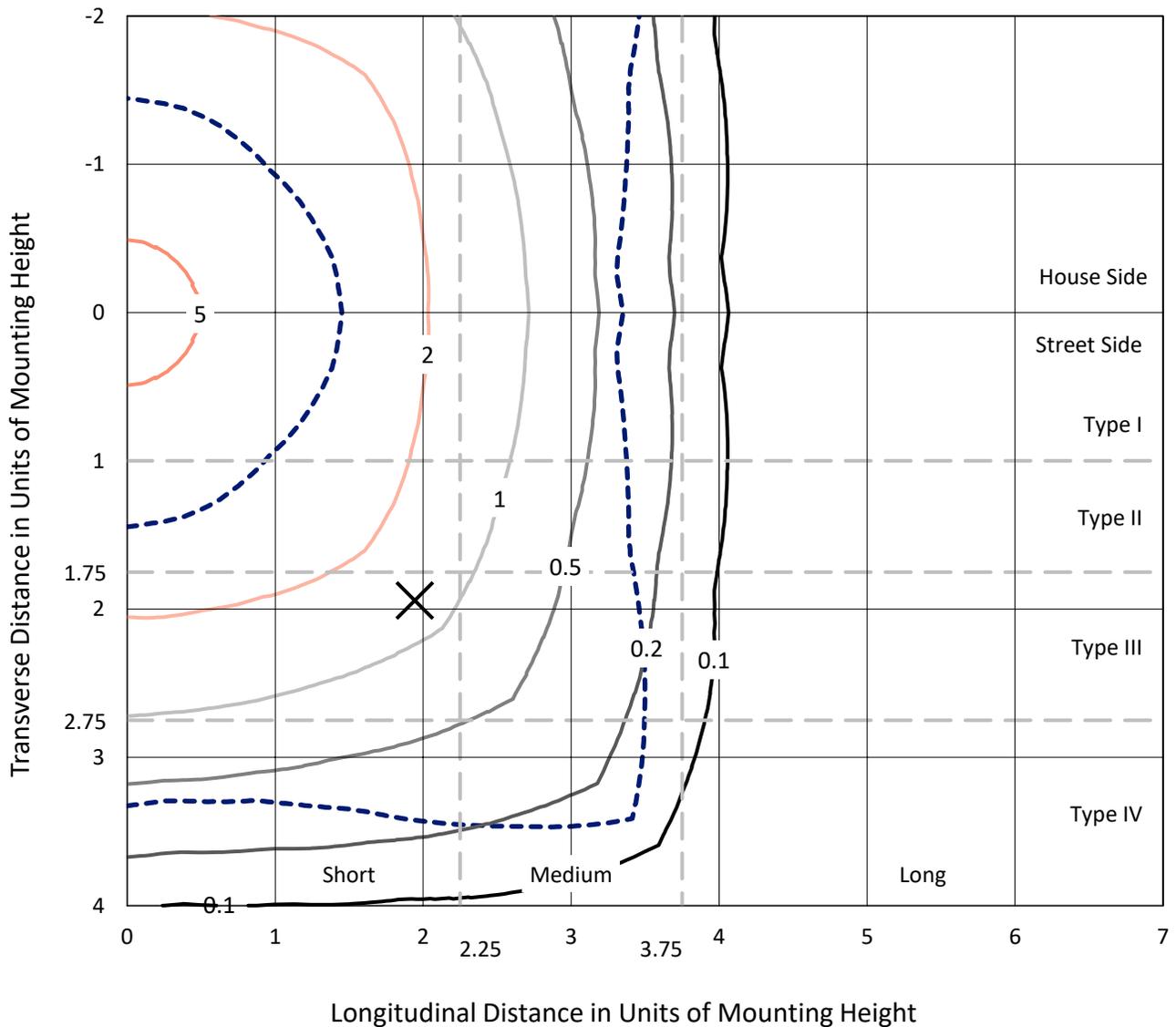
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850791
 CATALOG NUMBER: GLAN-SB8C-722-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

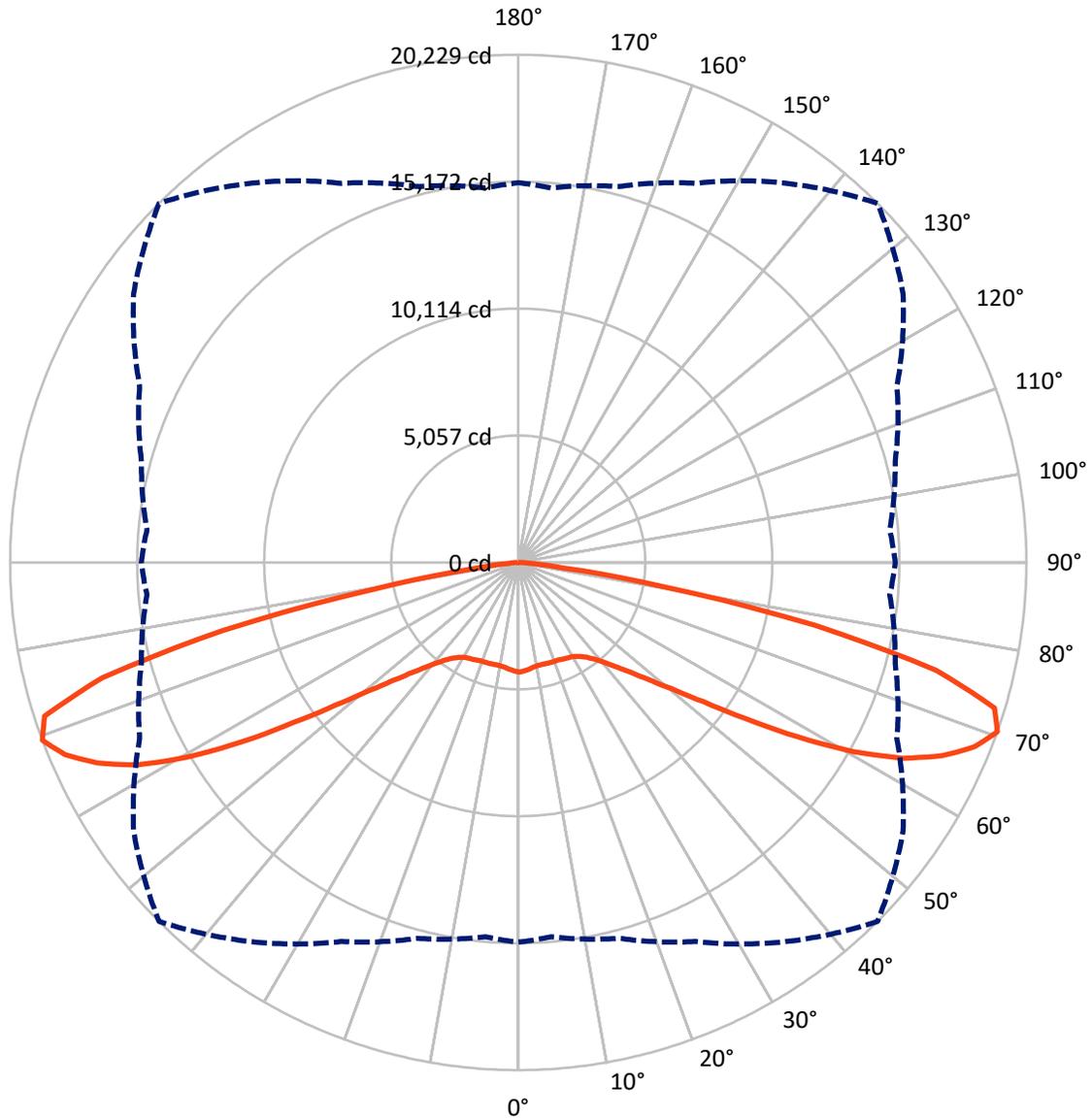
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

REPORT NUMBER: P850791
CATALOG NUMBER: GLAN-SB8C-722-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850791
 CATALOG NUMBER: GLAN-SB8C-722-U-5WQ

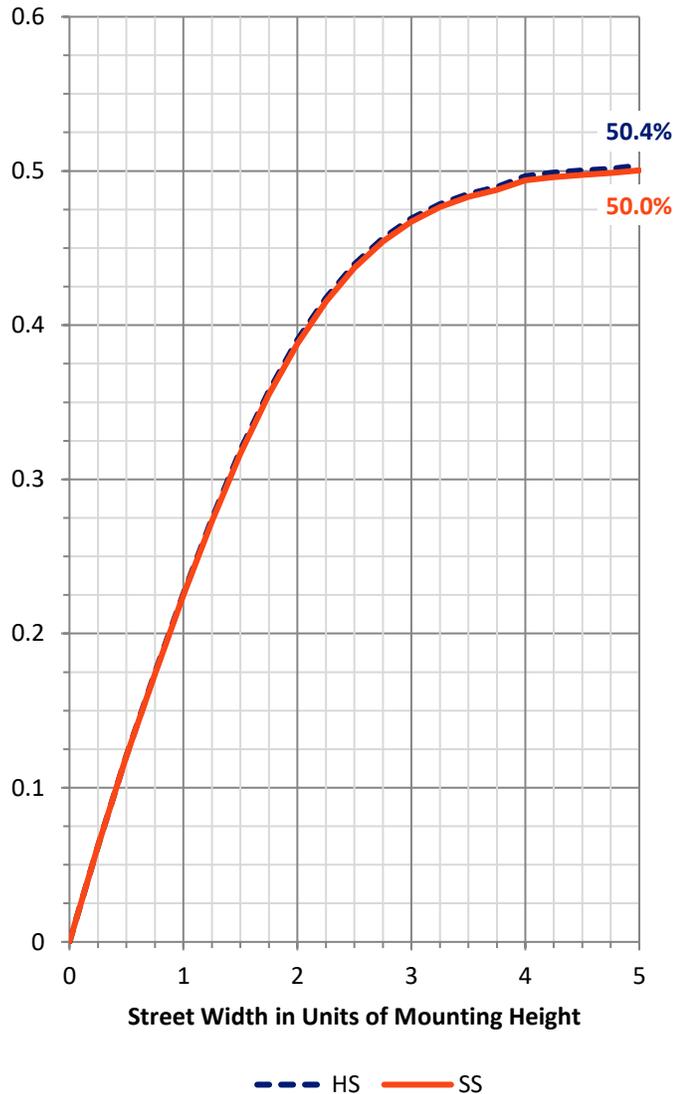
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23950.0	0.0	23950.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23950.0	0.0	23950.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47900.0	0.0	47900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	0.8
10°-20°	1193.5	2.5
20°-30°	1986.1	4.1
30°-40°	3003.6	6.3
40°-50°	4991.3	10.4
50°-60°	9418.3	19.7
60°-70°	15903.2	33.2
70°-80°	10450.1	21.8
80°-90°	547.5	1.1
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°	47900.0	100.0
0°-180°	47900.0	100.0

Coefficient of Utilization

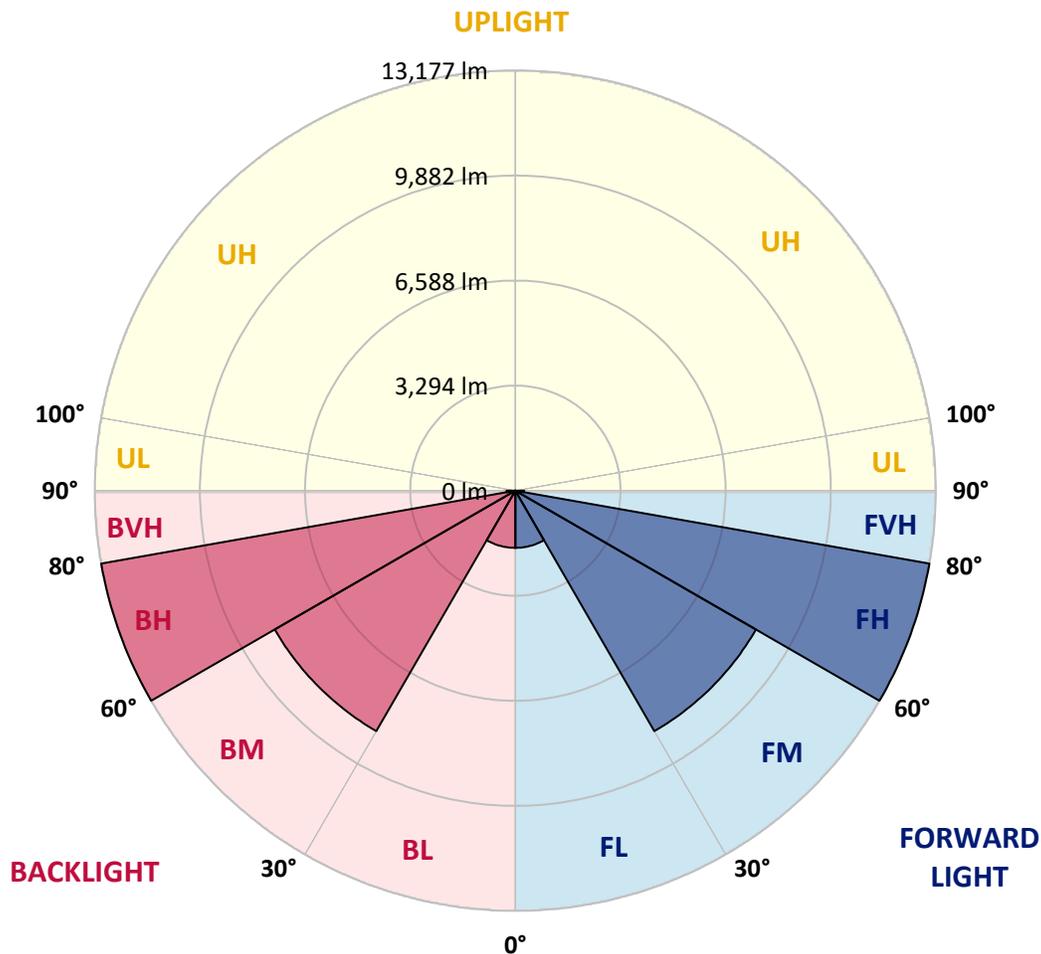


REPORT NUMBER: P850791
 CATALOG NUMBER: GLAN-SB8C-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.0	3.7			
FM (30°-60°)	8706.6	18.2			
FH (60°-80°)	13176.6	27.5			G5
FVH (80°-90°)	273.7	0.6			G3/500
BL (0°-30°)	1793.0	3.7	B3/2500		
BM (30°-60°)	8706.6	18.2	B5		
BH (60°-80°)	13176.6	27.5	B5		G5
BVH (80°-90°)	273.7	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short



REPORT NUMBER: P850791
 CATALOG NUMBER: GLAN-SB8C-722-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4369.4	4369.4	4369.4	4369.4	4369.4	4369.4	4369.4	4369.4	4369.4	4369.4
2.5°	4342.1	4354.5	4349.5	4339.6	4339.6	4332.1	4339.6	4344.5	4352.0	4357.0
5°	4284.8	4294.8	4292.3	4284.8	4287.3	4279.8	4284.8	4292.3	4297.2	4299.7
7.5°	4235.0	4245.0	4240.0	4227.5	4227.5	4220.1	4222.6	4230.0	4237.5	4240.0
10°	4222.6	4232.5	4217.6	4197.7	4190.2	4180.2	4182.7	4190.2	4205.1	4212.6
12.5°	4227.5	4235.0	4220.1	4190.2	4182.7	4172.8	4172.8	4180.2	4200.1	4210.1
15°	4242.5	4249.9	4227.5	4195.2	4187.7	4180.2	4177.7	4187.7	4210.1	4227.5
17.5°	4269.9	4277.3	4242.5	4197.7	4187.7	4190.2	4187.7	4195.2	4230.0	4262.4
20°	4294.8	4299.7	4252.4	4197.7	4187.7	4190.2	4187.7	4202.6	4247.4	4292.3
22.5°	4302.2	4307.2	4262.4	4215.1	4207.6	4210.1	4207.6	4222.6	4264.9	4309.7
25°	4304.7	4312.2	4277.3	4240.0	4252.4	4257.4	4252.4	4254.9	4287.3	4327.1
27.5°	4342.1	4352.0	4319.7	4287.3	4294.8	4292.3	4299.7	4307.2	4332.1	4371.9
30°	4419.2	4426.7	4399.3	4367.0	4362.0	4344.5	4367.0	4391.9	4419.2	4454.1
32.5°	4546.2	4561.2	4526.3	4491.4	4469.0	4459.1	4476.5	4518.8	4556.2	4593.5
35°	4757.8	4767.8	4735.4	4670.7	4630.9	4630.9	4645.8	4700.6	4760.3	4807.6
37.5°	5056.6	5069.1	5011.8	4934.6	4874.9	4874.9	4894.8	4952.0	5041.7	5108.9
40°	5420.1	5437.5	5365.3	5285.7	5228.4	5218.4	5243.3	5308.1	5392.7	5477.4
42.5°	5858.3	5878.2	5783.6	5713.9	5669.1	5669.1	5681.5	5741.3	5818.5	5923.0
45°	6418.5	6453.3	6323.9	6254.2	6211.8	6221.8	6229.3	6281.5	6351.3	6470.8
47.5°	7085.7	7120.6	6983.6	6911.4	6904.0	6951.3	6921.4	6958.7	6996.1	7133.0
50°	7842.6	7902.3	7807.7	7802.8	7817.7	7904.8	7835.1	7855.0	7812.7	7899.9
52.5°	8768.8	8855.9	8838.5	8868.4	9035.2	9214.4	9055.1	8985.4	8826.0	8853.4
55°	9891.6	10023.6	10048.5	10227.7	10606.2	10972.2	10633.6	10352.2	10013.6	9951.4
57.5°	11168.8	11273.4	11392.9	11758.9	12466.0	13115.8	12466.0	11843.6	11310.8	11183.8
60°	12543.2	12672.6	12787.2	13327.4	14378.1	15291.8	14358.2	13369.8	12665.2	12493.4
62.5°	14019.6	14186.4	14266.0	14866.1	16091.0	17181.5	16108.4	14910.9	14129.1	13944.9
65°	15436.2	15573.1	15662.8	16302.6	17472.8	18565.8	17552.5	16372.3	15568.2	15326.7
67.5°	16096.0	16170.7	16389.8	17114.3	18349.2	19596.5	18558.3	17191.5	16292.7	15869.4
70°	15130.0	14978.1	15505.9	16666.1	18453.7	20228.9	18692.8	16631.3	15530.8	14843.7
72.5°	11691.7	11430.3	12346.5	14330.8	17258.7	19825.6	17378.2	14442.8	12916.6	11522.4
75°	6361.2	6064.9	7329.7	9839.3	13763.1	17184.0	14079.3	10120.7	8161.3	6313.9
77.5°	1795.1	1683.0	2703.8	4760.3	8278.3	12065.1	8597.0	4864.9	3206.7	1902.1
80°	550.2	532.8	722.0	1434.1	3515.5	5778.6	3378.5	1451.5	918.7	580.1
82.5°	326.2	298.8	358.5	522.8	896.3	1815.0	871.4	545.2	438.2	293.8
85°	186.7	174.3	211.6	254.0	301.3	385.9	251.5	258.9	234.0	156.9
87.5°	77.2	69.7	82.2	79.7	69.7	89.6	67.2	79.7	94.6	62.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4369.4
4354.5
4299.7
4240.0
4212.6
4212.6
4230.0
4262.4
4294.8
4309.7
4324.6
4362.0
4446.6
4578.6
4790.2
5084.0
5450.0
5915.6
6465.8
7093.2
7847.6
8761.3
9854.3
11094.2
12344.0
13795.5
15207.2
15874.4
15008.0
11868.5
6724.7
2113.8
612.5
318.7
164.3
57.3
0.0

OF REPORT)