

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: P850651

Luminaire Tested: **GLAN-SB8B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850651
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-SB8B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45197 lumens
Efficiency: N/A
Efficacy: 154.4 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

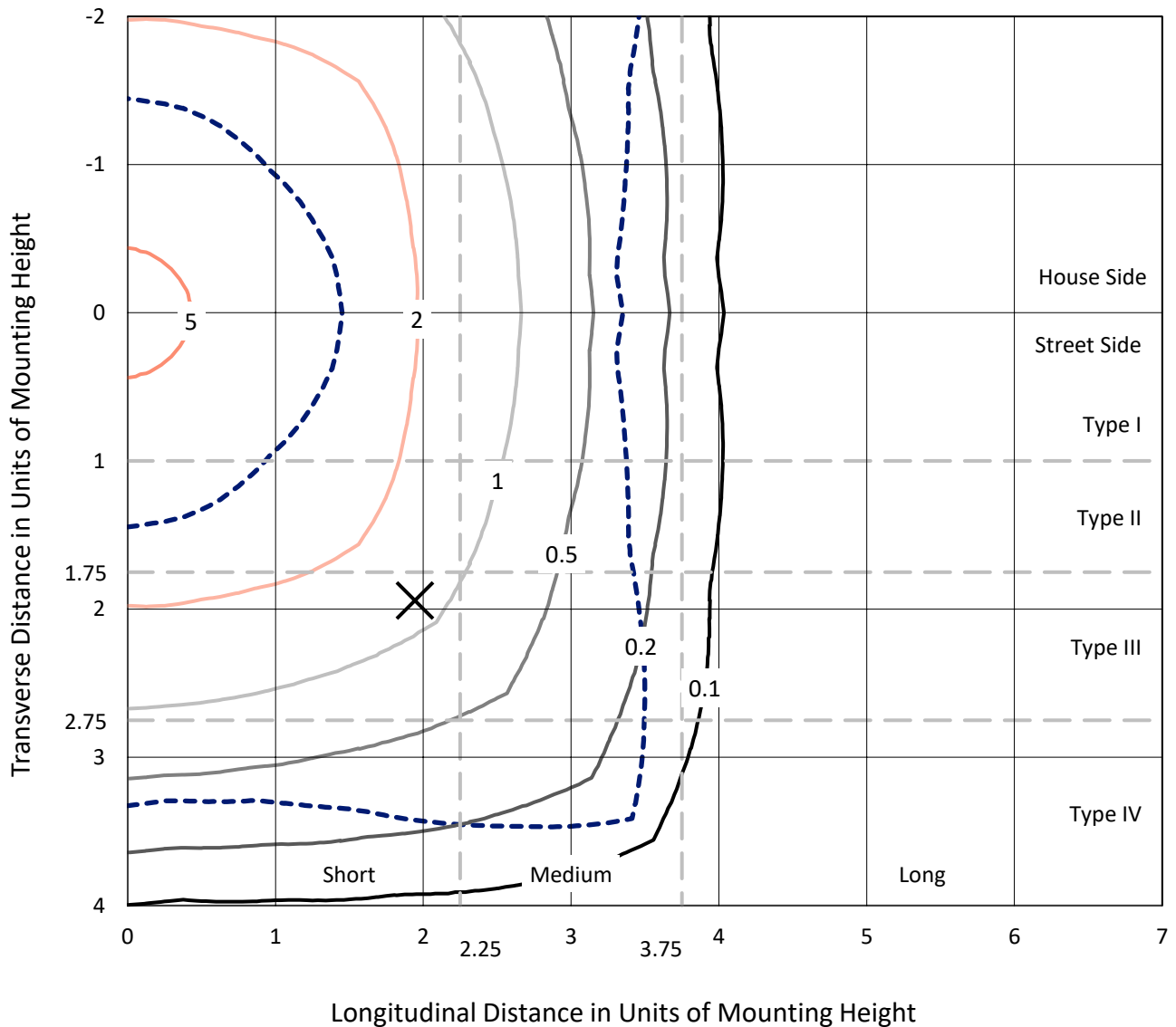
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850651
 CATALOG NUMBER: GLAN-SB8B-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

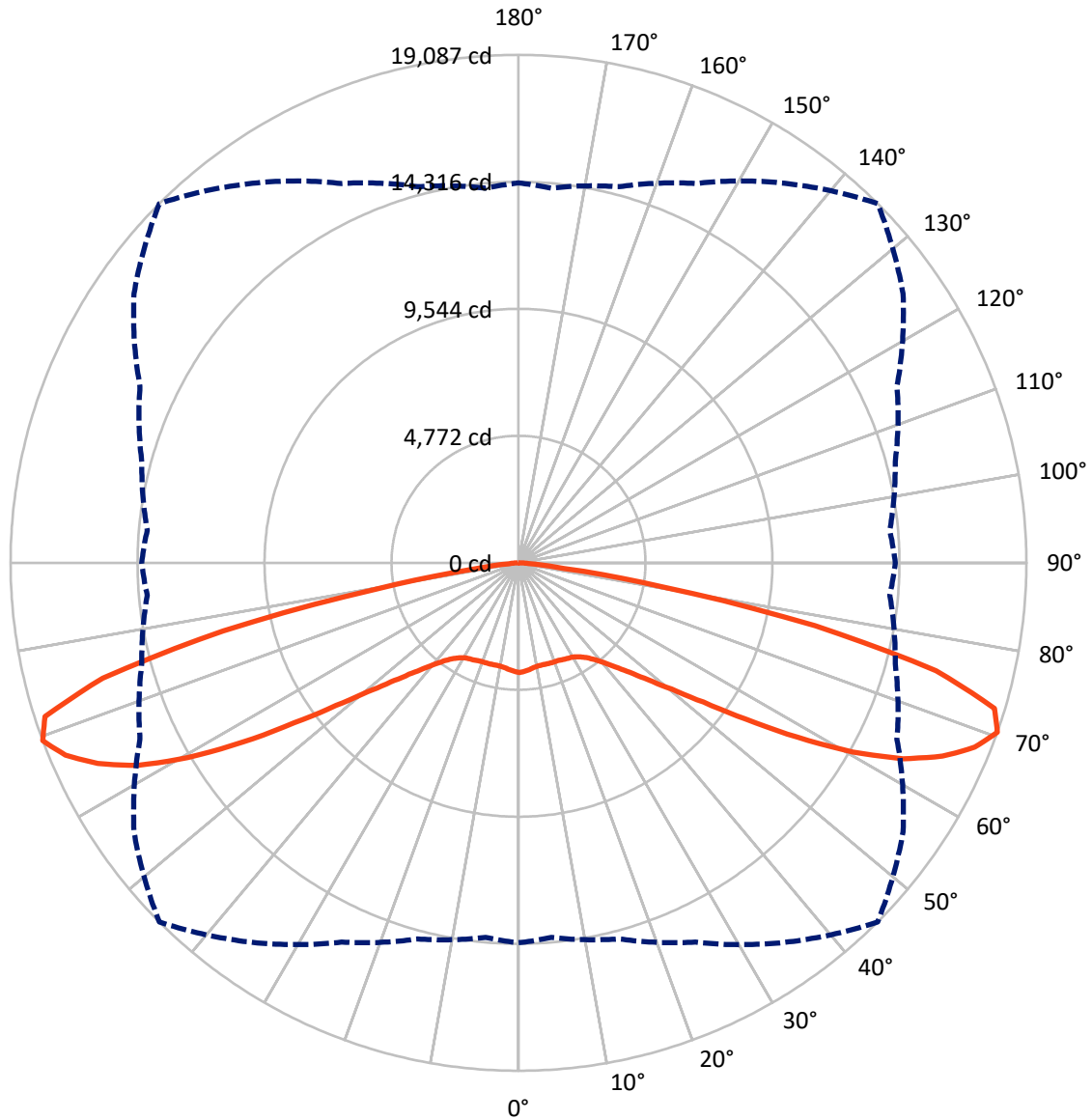
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P850651
CATALOG NUMBER: GLAN-SB8B-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850651
 CATALOG NUMBER: GLAN-SB8B-735-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22598.5	0.0	22598.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22598.5	0.0	22598.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45197.0	0.0	45197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.5	0.8
10°-20°	1126.1	2.5
20°-30°	1874.0	4.1
30°-40°	2834.1	6.3
40°-50°	4709.6	10.4
50°-60°	8886.9	19.7
60°-70°	15005.8	33.2
70°-80°	9860.4	21.8
80°-90°	516.6	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°	45197.0	100.0
0°-180°	45197.0	100.0

Coefficient of Utilization



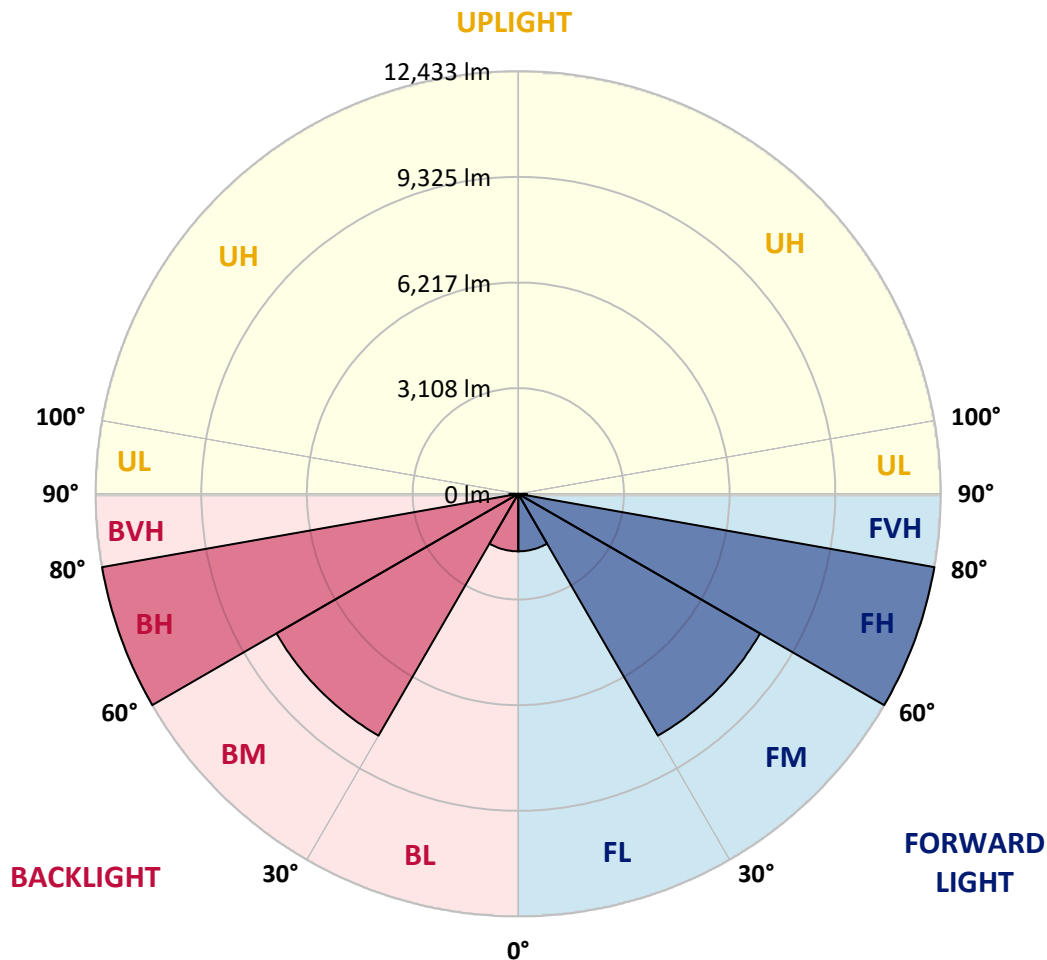
REPORT NUMBER: P850651
 CATALOG NUMBER: GLAN-SB8B-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.8	3.7			
FM (30°-60°)	8215.3	18.2			
FH (60°-80°)	12433.1	27.5			G5
FVH (80°-90°)	258.3	0.6			G3/500
BL (0°-30°)	1691.8	3.7	B3/2500		
BM (30°-60°)	8215.3	18.2	B4/8500		
BH (60°-80°)	12433.1	27.5	B5		G5
BVH (80°-90°)	258.3	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: P850651
 CATALOG NUMBER: GLAN-SB8B-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4122.9	4122.9	4122.9	4122.9	4122.9	4122.9	4122.9	4122.9	4122.9	4122.9
2.5°	4097.0	4108.8	4104.1	4094.7	4094.7	4087.6	4094.7	4099.4	4106.4	4111.1
5°	4043.0	4052.4	4050.1	4043.0	4045.4	4038.3	4043.0	4050.1	4054.7	4057.1
7.5°	3996.0	4005.4	4000.7	3989.0	3989.0	3981.9	3984.3	3991.3	3998.4	4000.7
10°	3984.3	3993.7	3979.6	3960.8	3953.7	3944.3	3946.7	3953.7	3967.8	3974.9
12.5°	3989.0	3996.0	3981.9	3953.7	3946.7	3937.3	3937.3	3944.3	3963.1	3972.5
15°	4003.1	4010.1	3989.0	3958.4	3951.4	3944.3	3942.0	3951.4	3972.5	3989.0
17.5°	4028.9	4036.0	4003.1	3960.8	3951.4	3953.7	3951.4	3958.4	3991.3	4021.9
20°	4052.4	4057.1	4012.5	3960.8	3951.4	3953.7	3951.4	3965.5	4007.8	4050.1
22.5°	4059.4	4064.1	4021.9	3977.2	3970.2	3972.5	3970.2	3984.3	4024.2	4066.5
25°	4061.8	4068.8	4036.0	4000.7	4012.5	4017.2	4012.5	4014.8	4045.4	4082.9
27.5°	4097.0	4106.4	4075.9	4045.4	4052.4	4050.1	4057.1	4064.1	4087.6	4125.2
30°	4169.9	4176.9	4151.1	4120.5	4115.8	4099.4	4120.5	4144.0	4169.9	4202.7
32.5°	4289.7	4303.8	4270.9	4238.0	4216.8	4207.4	4223.9	4263.8	4299.1	4334.3
35°	4489.4	4498.8	4468.2	4407.1	4369.5	4369.5	4383.6	4435.3	4491.7	4536.3
37.5°	4771.3	4783.0	4729.0	4656.1	4599.8	4599.8	4618.6	4672.6	4757.2	4820.6
40°	5114.2	5130.7	5062.6	4987.4	4933.4	4924.0	4947.5	5008.5	5088.4	5168.3
42.5°	5527.7	5546.5	5457.2	5391.5	5349.2	5349.2	5360.9	5417.3	5490.1	5588.8
45°	6056.3	6089.2	5967.0	5901.2	5861.3	5870.7	5877.7	5927.1	5992.9	6105.6
47.5°	6685.9	6718.8	6589.6	6521.4	6514.4	6559.0	6530.8	6566.1	6601.3	6730.5
50°	7400.0	7456.4	7367.1	7362.4	7376.5	7458.8	7393.0	7411.8	7371.8	7454.1
52.5°	8273.9	8356.2	8339.7	8367.9	8525.3	8694.5	8544.1	8478.3	8328.0	8353.8
55°	9333.4	9457.9	9481.4	9650.6	10007.7	10353.0	10033.5	9768.0	9448.6	9389.8
57.5°	10538.6	10637.3	10750.0	11095.4	11762.5	12375.7	11762.5	11175.2	10672.5	10552.7
60°	11835.4	11957.5	12065.6	12575.4	13566.7	14428.9	13547.9	12615.3	11950.5	11788.4
62.5°	13228.4	13385.8	13461.0	14027.2	15183.0	16211.9	15199.4	14069.5	13331.8	13158.0
65°	14565.1	14694.4	14778.9	15382.7	16486.8	17518.1	16562.0	15448.5	14689.7	14461.8
67.5°	15187.7	15258.2	15464.9	16148.5	17313.7	18490.7	17511.1	16221.3	15373.3	14973.9
70°	14276.2	14132.9	14630.9	15725.7	17412.4	19087.4	17637.9	15692.8	14654.4	14006.0
72.5°	11031.9	10785.3	11649.8	13522.1	16284.8	18706.8	16397.5	13627.8	12187.7	10872.2
75°	6002.3	5722.7	6916.1	9284.1	12986.5	16214.3	13284.8	9549.6	7700.7	5957.6
77.5°	1693.8	1588.1	2551.3	4491.7	7811.1	11384.3	8111.8	4590.4	3025.8	1794.8
80°	519.2	502.7	681.3	1353.1	3317.1	5452.5	3187.9	1369.6	866.9	547.4
82.5°	307.7	281.9	338.3	493.3	845.7	1712.6	822.2	514.5	413.5	277.2
85°	176.2	164.4	199.7	239.6	284.3	364.1	237.3	244.3	220.8	148.0
87.5°	72.8	65.8	77.5	75.2	65.8	84.6	63.4	75.2	89.3	58.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4122.9
4108.8
4057.1
4000.7
3974.9
3974.9
3991.3
4021.9
4052.4
4066.5
4080.6
4115.8
4195.7
4320.2
4519.9
4797.1
5142.4
5581.7
6100.9
6692.9
7404.7
8266.9
9298.2
10468.1
11647.4
13017.0
14349.0
14978.6
<i>14161.1</i>
11198.7
6345.2
1994.5
577.9
300.7
155.0
54.0
0.0

OF REPORT)