

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: P851051

Luminaire Tested: **GLAN-SB8D-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851051
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-SB8D-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68914 lumens
Efficiency: N/A
Efficacy: 117.8 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

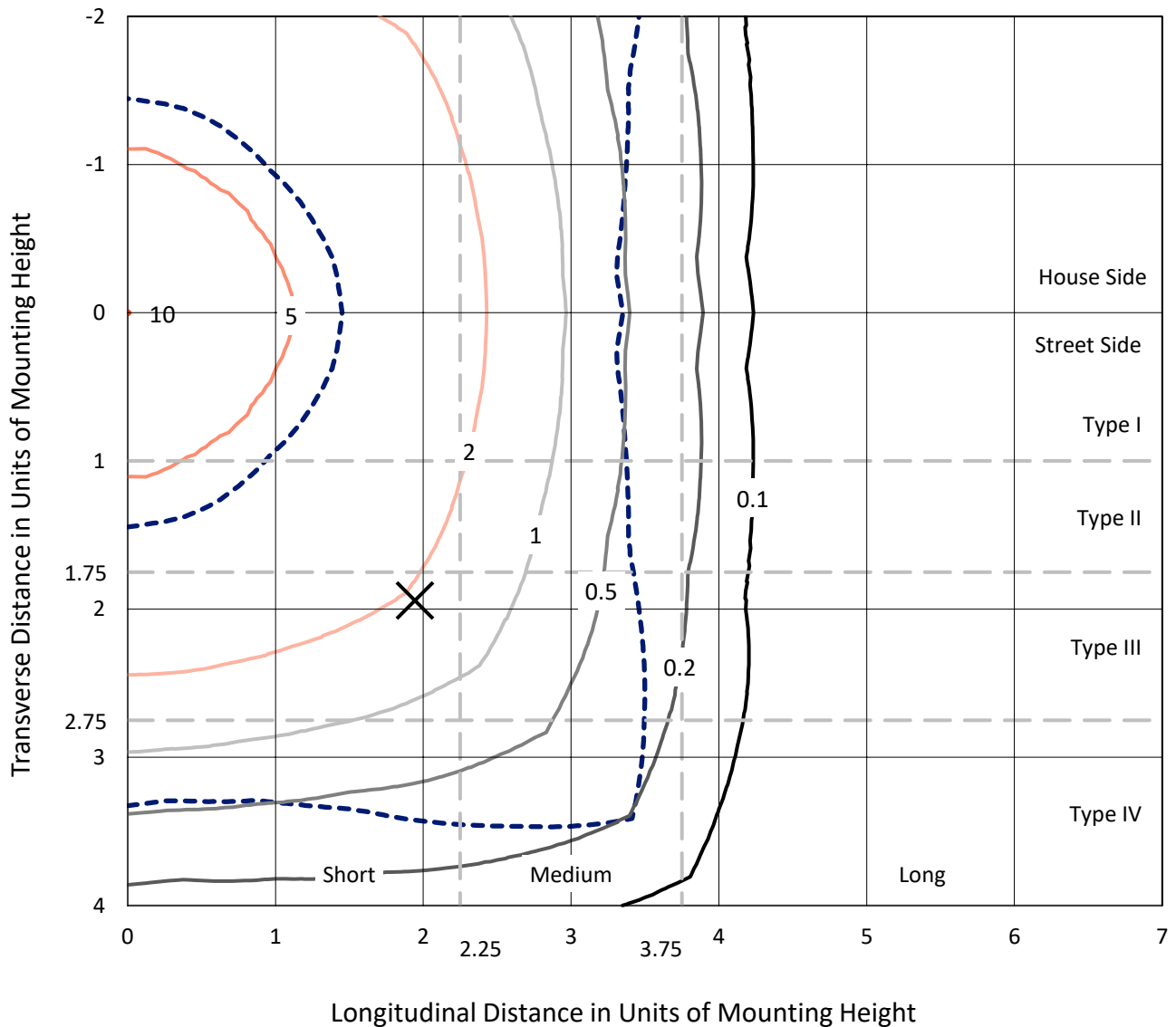
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851051
 CATALOG NUMBER: GLAN-SB8D-835-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

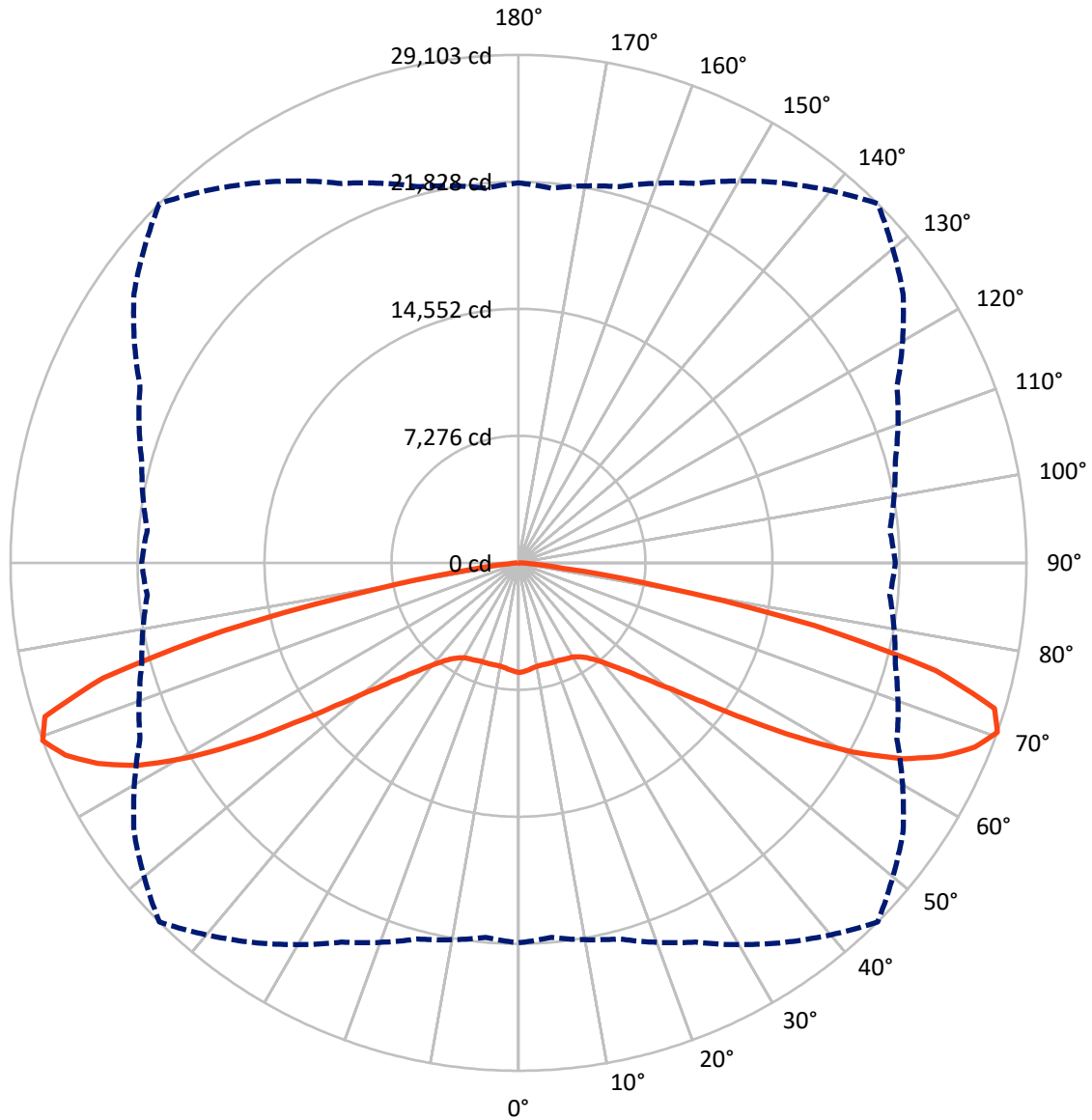
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

REPORT NUMBER: P851051
CATALOG NUMBER: GLAN-SB8D-835-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851051
 CATALOG NUMBER: GLAN-SB8D-835-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34457.0	0.0	34457.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34457.0	0.0	34457.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	68914.0	0.0	68914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.8	0.8
10°-20°	1717.1	2.5
20°-30°	2857.4	4.1
30°-40°	4321.3	6.3
40°-50°	7180.9	10.4
50°-60°	13550.2	19.7
60°-70°	22880.1	33.2
70°-80°	15034.6	21.8
80°-90°	787.7	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°	68914.0	100.0
0°-180°	68914.0	100.0

Coefficient of Utilization



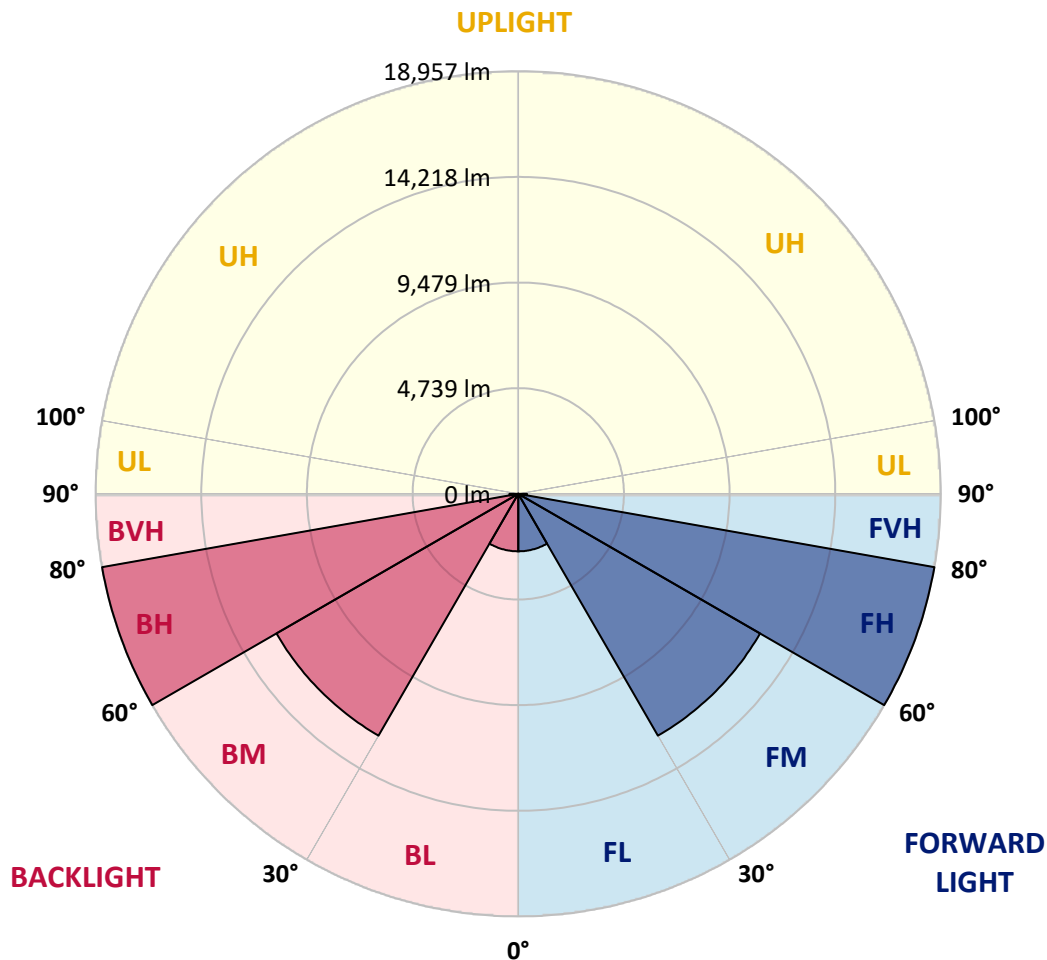
REPORT NUMBER: P851051
 CATALOG NUMBER: GLAN-SB8D-835-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2579.6	3.7			
FM (30°-60°)	12526.2	18.2			
FH (60°-80°)	18957.3	27.5			G5
FVH (80°-90°)	393.8	0.6			G3/500
BL (0°-30°)	2579.6	3.7	B4/5000		
BM (30°-60°)	12526.2	18.2	B5		
BH (60°-80°)	18957.3	27.5	B5		G5
BVH (80°-90°)	393.8	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: P851051
 CATALOG NUMBER: GLAN-SB8D-835-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6286.3	6286.3	6286.3	6286.3	6286.3	6286.3	6286.3	6286.3	6286.3	6286.3
2.5°	6246.9	6264.9	6257.7	6243.4	6243.4	6232.6	6243.4	6250.5	6261.3	6268.4
5°	6164.6	6178.9	6175.3	6164.6	6168.1	6157.4	6164.6	6175.3	6182.5	6186.0
7.5°	6092.9	6107.2	6100.1	6082.2	6082.2	6071.4	6075.0	6085.8	6096.5	6100.1
10°	6075.0	6089.3	6067.8	6039.2	6028.4	6014.1	6017.7	6028.4	6049.9	6060.7
12.5°	6082.2	6092.9	6071.4	6028.4	6017.7	6003.4	6003.4	6014.1	6042.8	6057.1
15°	6103.7	6114.4	6082.2	6035.6	6024.9	6014.1	6010.5	6024.9	6057.1	6082.2
17.5°	6143.1	6153.8	6103.7	6039.2	6024.9	6028.4	6024.9	6035.6	6085.8	6132.3
20°	6178.9	6186.0	6118.0	6039.2	6024.9	6028.4	6024.9	6046.4	6110.8	6175.3
22.5°	6189.6	6196.8	6132.3	6064.3	6053.5	6057.1	6053.5	6075.0	6135.9	6200.4
25°	6193.2	6204.0	6153.8	6100.1	6118.0	6125.2	6118.0	6121.6	6168.1	6225.5
27.5°	6246.9	6261.3	6214.7	6168.1	6178.9	6175.3	6186.0	6196.8	6232.6	6289.9
30°	6358.0	6368.7	6329.3	6282.8	6275.6	6250.5	6282.8	6318.6	6358.0	6408.1
32.5°	6540.7	6562.2	6512.0	6461.9	6429.6	6415.3	6440.4	6501.3	6555.0	6608.7
35°	6845.1	6859.5	6812.9	6719.8	6662.5	6662.5	6683.9	6762.7	6848.7	6916.8
37.5°	7275.0	7292.9	7210.5	7099.4	7013.5	7013.5	7042.1	7124.5	7253.5	7350.2
40°	7797.9	7823.0	7719.1	7604.5	7522.1	7507.8	7543.6	7636.7	7758.5	7880.3
42.5°	8428.4	8457.0	8320.9	8220.6	8156.1	8156.1	8174.0	8260.0	8371.0	8521.5
45°	9234.3	9284.4	9098.2	8997.9	8937.0	8951.3	8962.1	9037.3	9137.6	9309.5
47.5°	10194.3	10244.4	10047.4	9943.5	9932.8	10000.8	9957.9	10011.6	10065.3	10262.3
50°	11283.2	11369.1	11233.0	11225.9	11247.4	11372.7	11272.4	11301.1	11240.2	11365.6
52.5°	12615.7	12741.0	12716.0	12759.0	12998.9	13256.8	13027.6	12927.3	12698.1	12737.5
55°	14231.1	14421.0	14456.8	14714.7	15259.2	15785.7	15298.6	14893.8	14406.7	14317.1
57.5°	16068.7	16219.1	16391.1	16917.6	17934.9	18869.8	17934.9	17039.4	16272.9	16090.2
60°	18045.9	18232.2	18397.0	19174.2	20685.8	22000.4	20657.2	19235.1	18221.4	17974.3
62.5°	20170.0	20410.0	20524.6	21387.9	23150.2	24719.1	23175.3	21452.4	20327.6	20062.6
65°	22208.2	22405.2	22534.1	23454.7	25138.2	26710.7	25252.8	23555.0	22398.0	22050.6
67.5°	23157.4	23264.8	23580.1	24622.4	26399.1	28193.6	26699.9	24733.5	23440.4	22831.4
70°	21767.6	21549.1	22308.5	23977.7	26549.5	29103.4	26893.4	23927.5	22344.3	21355.7
72.5°	16820.9	16444.8	17763.0	20617.8	24830.2	28523.2	25002.1	20779.0	18583.2	16577.3
75°	9151.9	8725.7	10545.3	14155.9	19801.1	24722.7	20256.0	14560.7	11741.7	9083.9
77.5°	2582.6	2421.4	3890.0	6848.7	11910.0	17358.2	12368.5	6999.2	4613.6	2736.6
80°	791.6	766.5	1038.8	2063.2	5057.7	8313.7	4860.7	2088.3	1321.7	834.6
82.5°	469.2	429.8	515.8	752.2	1289.5	2611.3	1253.7	784.4	630.4	422.7
85°	268.6	250.7	304.5	365.4	433.4	555.2	361.8	372.5	336.7	225.7
87.5°	111.0	100.3	118.2	114.6	100.3	129.0	96.7	114.6	136.1	89.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6286.3
6264.9
6186.0
6100.1
6060.7
6060.7
6085.8
6132.3
6178.9
6200.4
6221.9
6275.6
6397.4
6587.2
6891.7
7314.4
7840.9
8510.7
9302.4
10205.0
11290.3
12604.9
14177.4
15961.2
17759.4
19847.7
21878.6
22838.6
21592.1
17075.2
9674.9
3041.1
881.2
458.5
236.4
82.4
0.0

OF REPORT)