

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: P851771

Luminaire Tested: **GLAN-SB9D-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851771
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-SB9D-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63251 lumens
Efficiency: N/A
Efficacy: 96.1 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

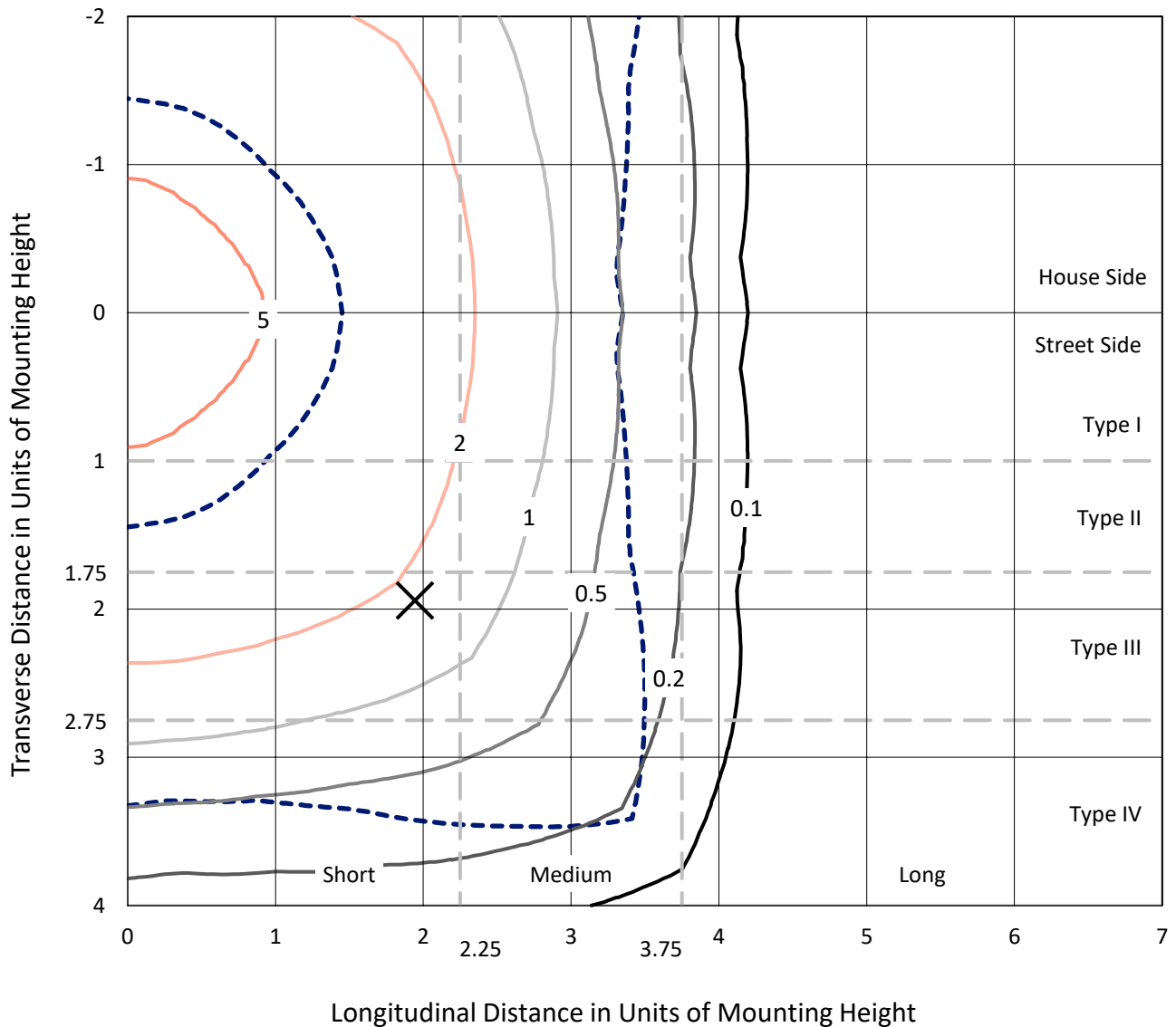
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851771
 CATALOG NUMBER: GLAN-SB9D-930-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

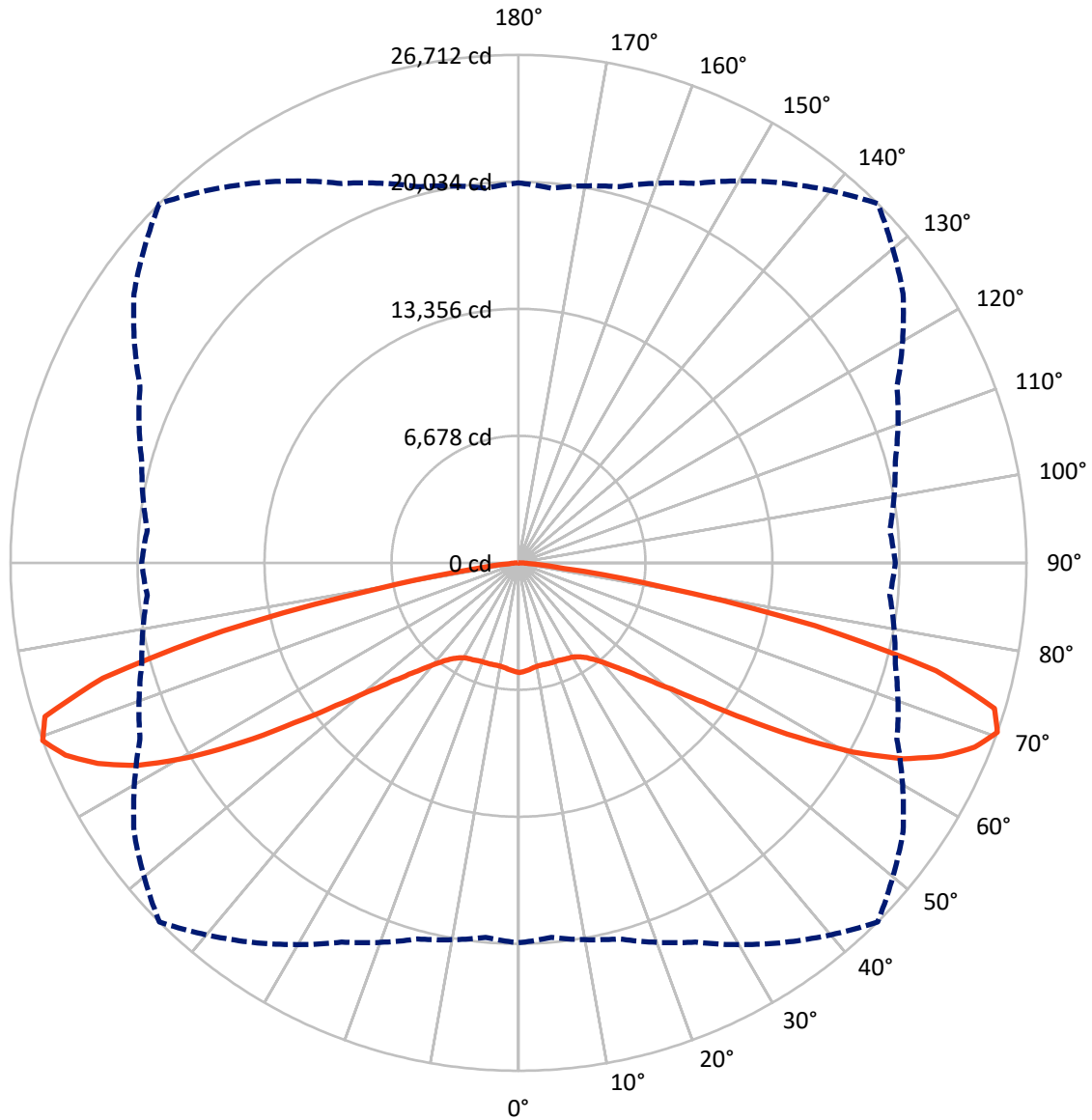
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - N/A

REPORT NUMBER: P851771
CATALOG NUMBER: GLAN-SB9D-930-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851771
 CATALOG NUMBER: GLAN-SB9D-930-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31625.5	0.0	31625.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31625.5	0.0	31625.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	63251.0	0.0	63251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.7	0.8
10°-20°	1576.0	2.5
20°-30°	2622.6	4.1
30°-40°	3966.2	6.3
40°-50°	6590.9	10.4
50°-60°	12436.7	19.7
60°-70°	20999.9	33.2
70°-80°	13799.1	21.8
80°-90°	722.9	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°	63251.0	100.0
0°-180°	63251.0	100.0

Coefficient of Utilization



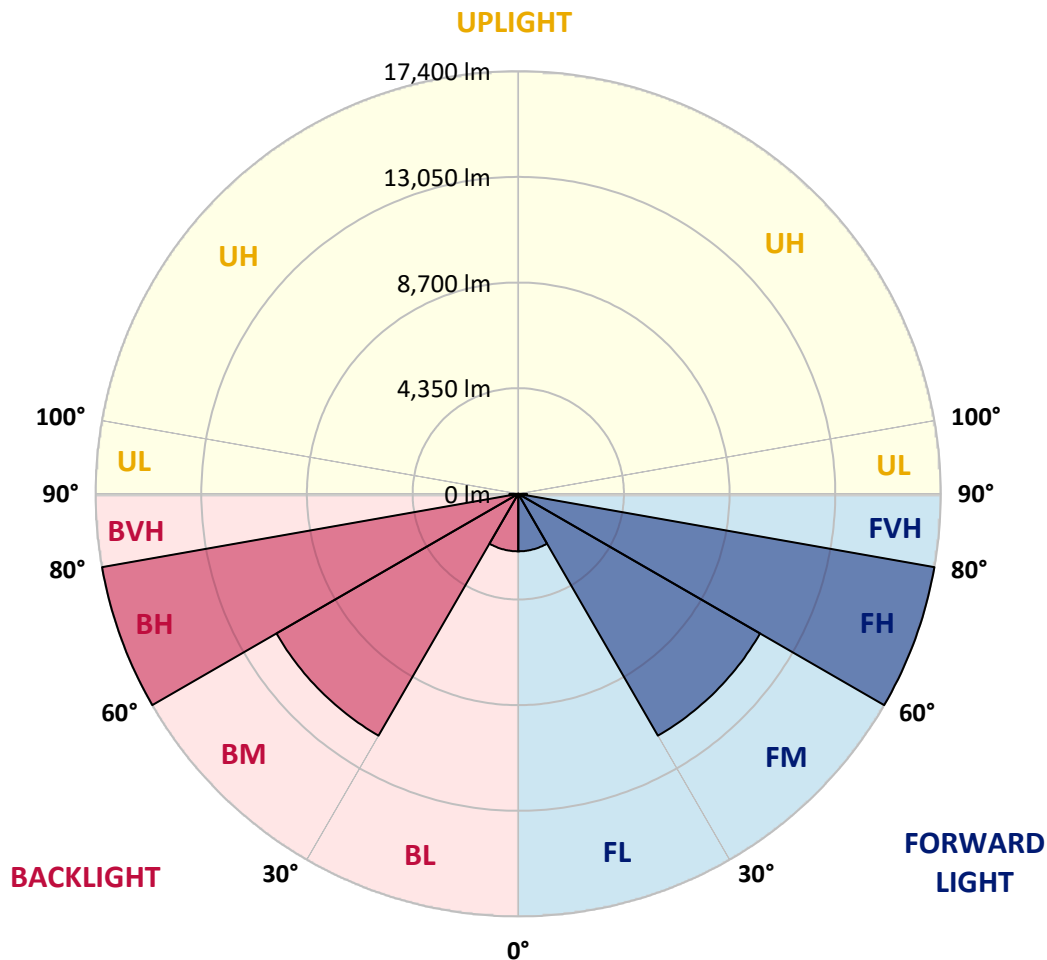
REPORT NUMBER: P851771
 CATALOG NUMBER: GLAN-SB9D-930-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2367.6	3.7			
FM (30°-60°)	11496.9	18.2			
FH (60°-80°)	17399.5	27.5			G5
FVH (80°-90°)	361.5	0.6			G3/500
BL (0°-30°)	2367.6	3.7	B3/2500		
BM (30°-60°)	11496.9	18.2	B5		
BH (60°-80°)	17399.5	27.5	B5		G5
BVH (80°-90°)	361.5	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: P851771
 CATALOG NUMBER: GLAN-SB9D-930-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5769.8	5769.8	5769.8	5769.8	5769.8	5769.8	5769.8	5769.8	5769.8	5769.8
2.5°	5733.6	5750.0	5743.5	5730.3	5730.3	5720.5	5730.3	5736.9	5746.8	5753.3
5°	5658.0	5671.1	5667.8	5658.0	5661.3	5651.4	5658.0	5667.8	5674.4	5677.7
7.5°	5592.2	5605.4	5598.8	5582.4	5582.4	5572.5	5575.8	5585.7	5595.5	5598.8
10°	5575.8	5588.9	5569.2	5542.9	5533.1	5519.9	5523.2	5533.1	5552.8	5562.6
12.5°	5582.4	5592.2	5572.5	5533.1	5523.2	5510.0	5510.0	5519.9	5546.2	5559.4
15°	5602.1	5612.0	5582.4	5539.6	5529.8	5519.9	5516.6	5529.8	5559.4	5582.4
17.5°	5638.3	5648.1	5602.1	5542.9	5529.8	5533.1	5529.8	5539.6	5585.7	5628.4
20°	5671.1	5677.7	5615.2	5542.9	5529.8	5533.1	5529.8	5549.5	5608.7	5667.8
22.5°	5681.0	5687.6	5628.4	5565.9	5556.1	5559.4	5556.1	5575.8	5631.7	5690.9
25°	5684.3	5694.1	5648.1	5598.8	5615.2	5621.8	5615.2	5618.5	5661.3	5713.9
27.5°	5733.6	5746.8	5704.0	5661.3	5671.1	5667.8	5677.7	5687.6	5720.5	5773.1
30°	5835.5	5845.4	5809.2	5766.5	5759.9	5736.9	5766.5	5799.4	5835.5	5881.5
32.5°	6003.2	6022.9	5976.9	5930.9	5901.3	5888.1	5911.1	5967.0	6016.3	6065.7
35°	6282.6	6295.8	6253.0	6167.6	6115.0	6115.0	6134.7	6207.0	6285.9	6348.4
37.5°	6677.1	6693.6	6618.0	6516.1	6437.2	6437.2	6463.5	6539.1	6657.4	6746.2
40°	7157.1	7180.2	7084.8	6979.6	6904.0	6890.8	6923.7	7009.2	7121.0	7232.8
42.5°	7735.8	7762.1	7637.1	7545.1	7485.9	7485.9	7502.3	7581.2	7683.2	7821.2
45°	8475.5	8521.5	8350.5	8258.5	8202.6	8215.8	8225.6	8294.7	8386.7	8544.5
47.5°	9356.6	9402.6	9221.8	9126.4	9116.6	9179.0	9139.6	9188.9	9238.2	9419.0
50°	10356.0	10434.9	10310.0	10303.4	10323.1	10438.2	10346.1	10372.4	10316.5	10431.6
52.5°	11579.0	11694.0	11671.0	11710.5	11930.8	12167.5	11957.1	11865.0	11654.6	11690.8
55°	13061.7	13235.9	13268.8	13505.5	14005.2	14488.5	14041.4	13669.9	13222.8	13140.6
57.5°	14748.2	14886.3	15044.1	15527.4	16461.1	17319.2	16461.1	15639.2	14935.6	14768.0
60°	16563.0	16734.0	16885.2	17598.6	18986.0	20192.5	18959.7	17654.5	16724.1	16497.3
62.5°	18512.6	18732.8	18838.0	19630.4	21247.9	22687.8	21270.9	19689.5	18657.2	18413.9
65°	20383.2	20564.0	20682.4	21527.3	23072.5	24515.7	23177.7	21619.4	20557.5	20238.6
67.5°	21254.4	21353.1	21642.4	22599.1	24229.7	25876.8	24505.9	22701.0	21514.2	20955.3
70°	19978.8	19778.3	20475.3	22007.3	24367.8	26711.9	24683.4	21961.3	20508.1	19600.8
72.5°	15438.6	15093.4	16303.3	18923.5	22789.7	26179.3	22947.6	19071.5	17056.1	15215.1
75°	8399.9	8008.6	9678.7	12992.7	18173.9	22691.1	18591.5	13364.2	10776.8	8337.4
77.5°	2370.4	2222.4	3570.4	6285.9	10931.3	15931.8	11352.1	6424.0	4234.4	2511.7
80°	726.6	703.5	953.4	1893.7	4642.1	7630.6	4461.3	1916.7	1213.1	766.0
82.5°	430.7	394.5	473.4	690.4	1183.5	2396.7	1150.7	720.0	578.6	387.9
85°	246.6	230.1	279.4	335.3	397.8	509.6	332.0	341.9	309.0	207.1
87.5°	101.9	92.1	108.5	105.2	92.1	118.4	88.8	105.2	124.9	82.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5769.8
5750.0
5677.7
5598.8
5562.6
5562.6
5585.7
5628.4
5671.1
5690.9
5710.6
5759.9
5871.7
6045.9
6325.4
6713.3
7196.6
7811.4
8537.9
9366.4
10362.6
11569.1
13012.4
14649.6
16300.0
18216.7
20080.8
20961.8
19817.7
15672.1
8879.8
2791.2
808.8
420.8
217.0
75.6
0.0

OF REPORT)