

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: P846131

Luminaire Tested: **GLAN-SB1C-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846131
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-SB1C-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6739 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

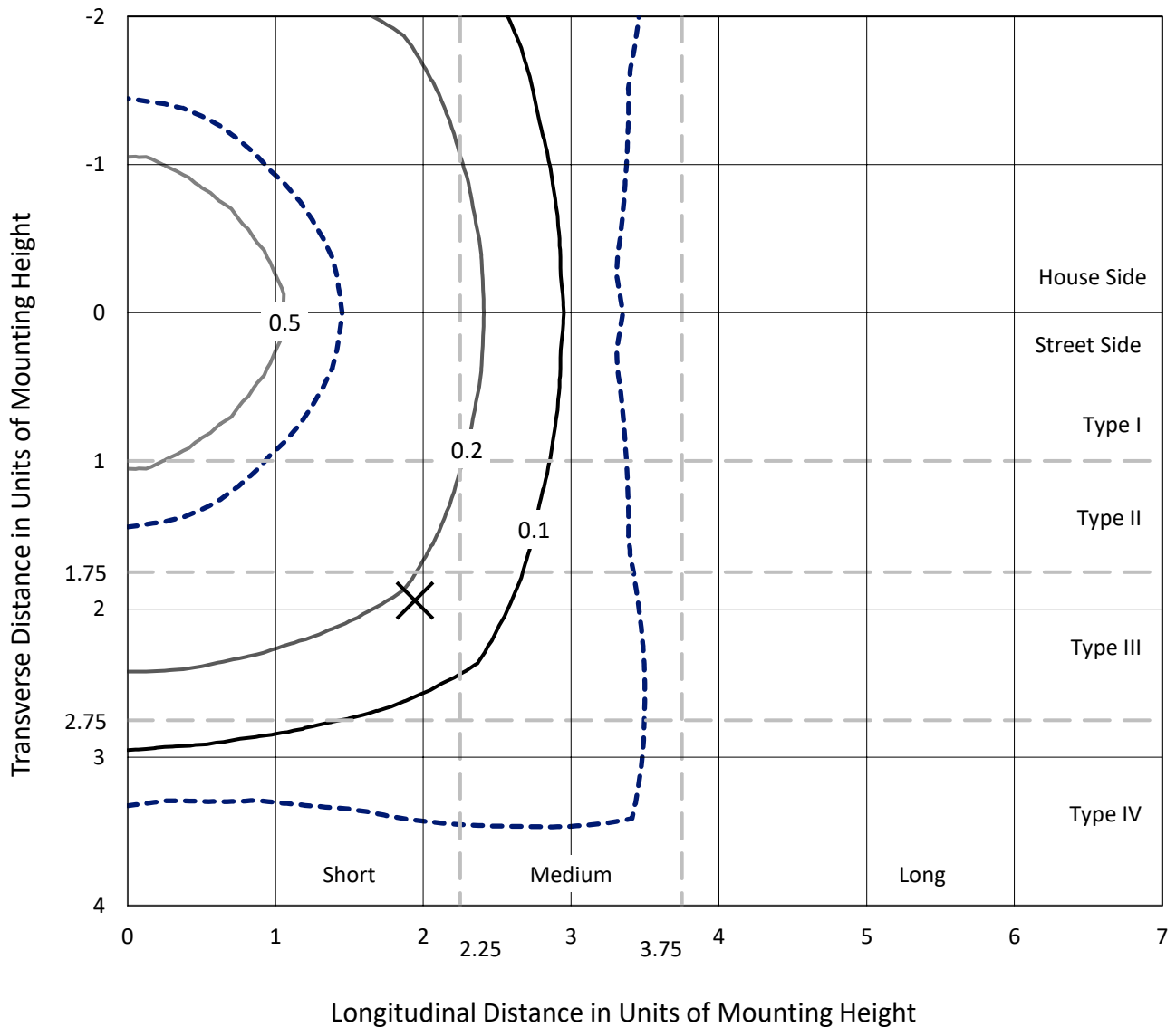
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846131
 CATALOG NUMBER: GLAN-SB1C-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

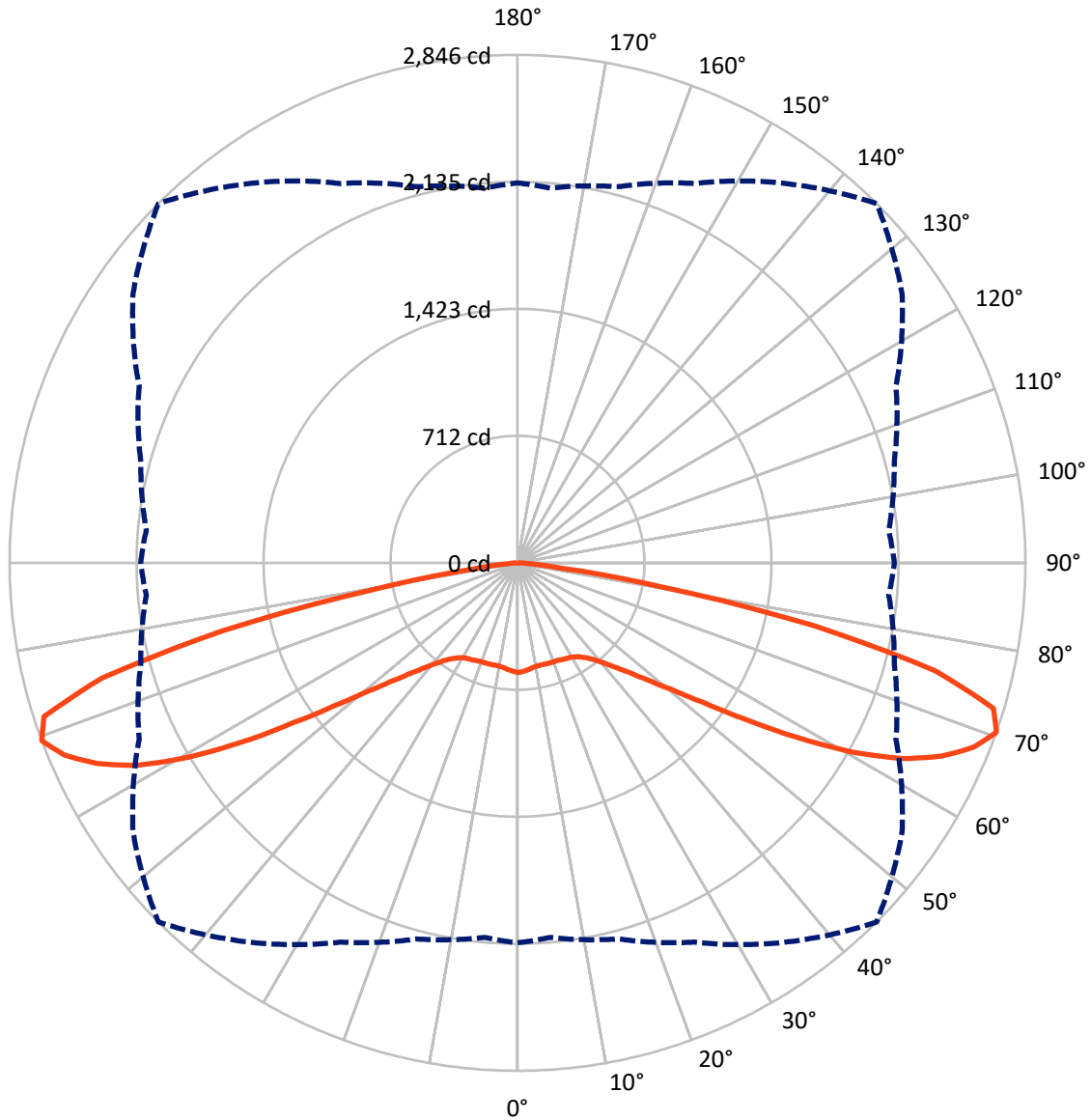
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P846131
CATALOG NUMBER: GLAN-SB1C-840-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846131
 CATALOG NUMBER: GLAN-SB1C-840-U-5WQ

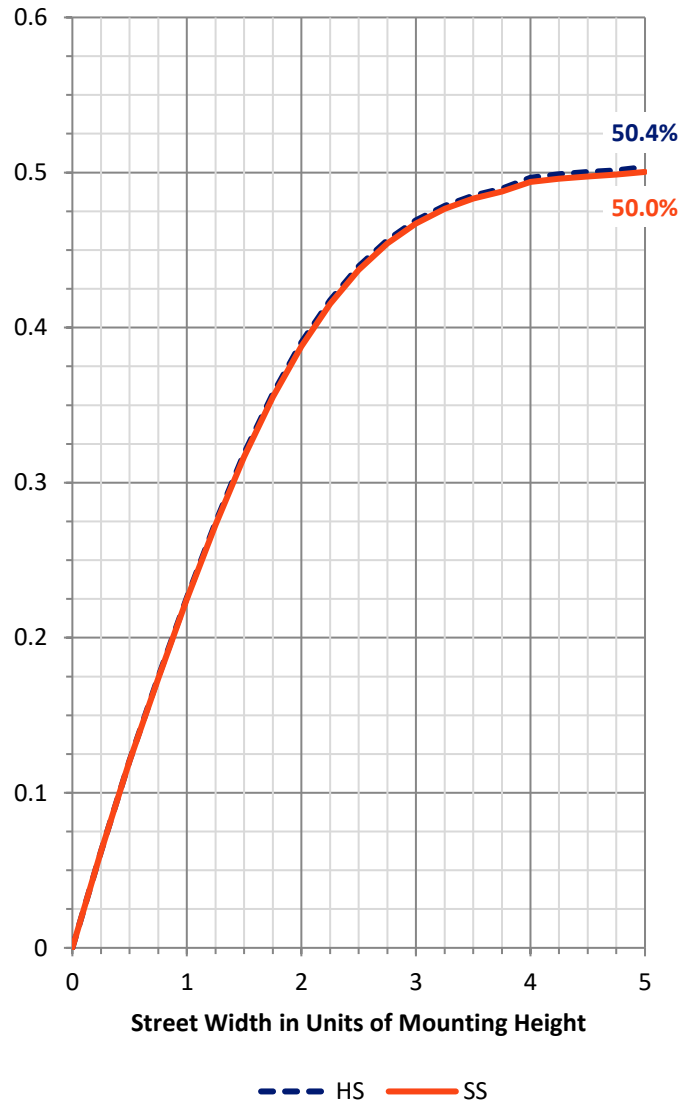
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3369.5	0.0	3369.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3369.5	0.0	3369.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6739.0	0.0	6739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	0.8
10°-20°	167.9	2.5
20°-30°	279.4	4.1
30°-40°	422.6	6.3
40°-50°	702.2	10.4
50°-60°	1325.0	19.7
60°-70°	2237.4	33.2
70°-80°	1470.2	21.8
80°-90°	77.0	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°	6739.0	100.0
0°-180°	6739.0	100.0

Coefficient of Utilization



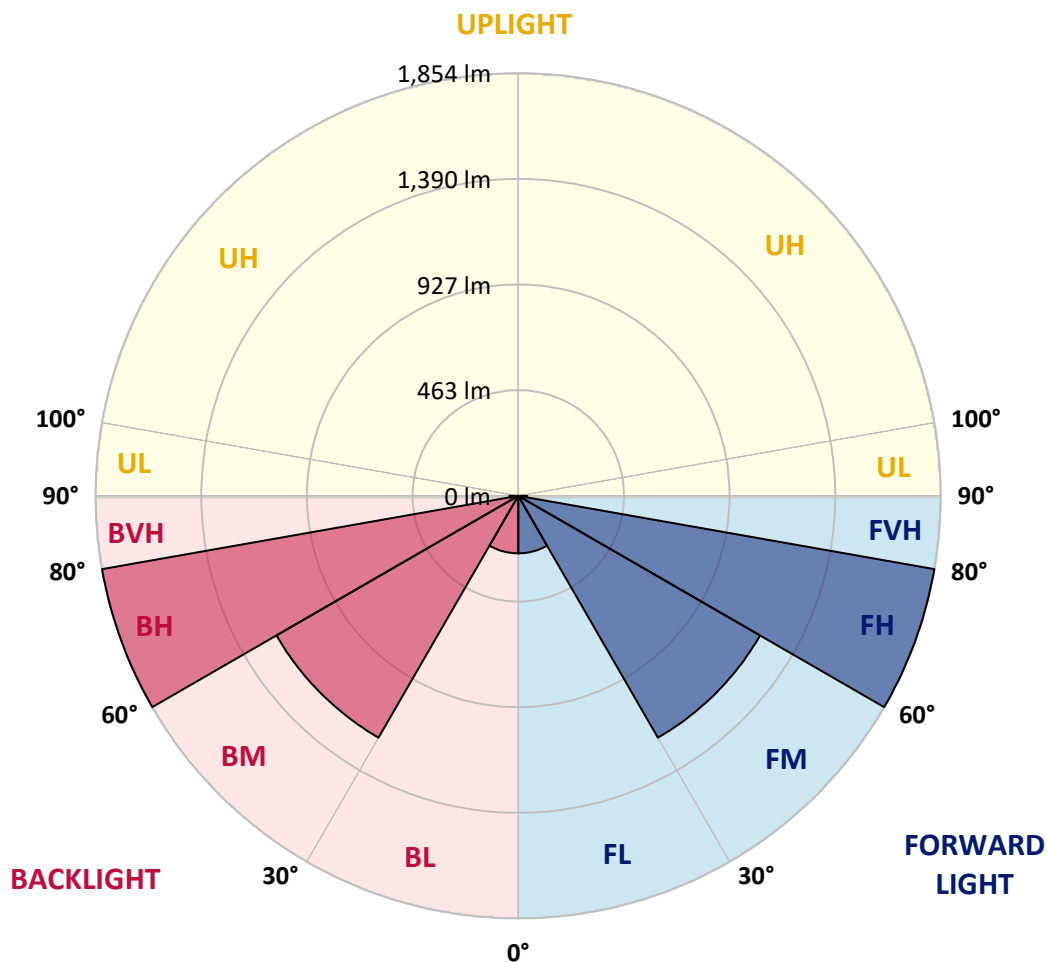
REPORT NUMBER: P846131
 CATALOG NUMBER: GLAN-SB1C-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.3	3.7			
FM (30°-60°)	1224.9	18.2			
FH (60°-80°)	1853.8	27.5			G2/5000
FVH (80°-90°)	38.5	0.6			G1/100
BL (0°-30°)	252.3	3.7	B1/500		
BM (30°-60°)	1224.9	18.2	B2/2500		
BH (60°-80°)	1853.8	27.5	B3/2500		G2/5000
BVH (80°-90°)	38.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P846131
 CATALOG NUMBER: GLAN-SB1C-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7
2.5°	610.9	612.6	611.9	610.5	610.5	609.5	610.5	611.2	612.3	613.0
5°	602.8	604.2	603.9	602.8	603.2	602.1	602.8	603.9	604.6	604.9
7.5°	595.8	597.2	596.5	594.8	594.8	593.7	594.1	595.1	596.2	596.5
10°	594.1	595.5	593.4	590.6	589.5	588.1	588.5	589.5	591.6	592.7
12.5°	594.8	595.8	593.7	589.5	588.5	587.1	587.1	588.1	590.9	592.3
15°	596.9	597.9	594.8	590.2	589.2	588.1	587.8	589.2	592.3	594.8
17.5°	600.7	601.8	596.9	590.6	589.2	589.5	589.2	590.2	595.1	599.7
20°	604.2	604.9	598.3	590.6	589.2	589.5	589.2	591.3	597.6	603.9
22.5°	605.3	606.0	599.7	593.0	592.0	592.3	592.0	594.1	600.0	606.3
25°	605.6	606.7	601.8	596.5	598.3	599.0	598.3	598.6	603.2	608.8
27.5°	610.9	612.3	607.7	603.2	604.2	603.9	604.9	606.0	609.5	615.1
30°	621.7	622.8	618.9	614.4	613.7	611.2	614.4	617.9	621.7	626.6
32.5°	639.6	641.7	636.8	631.9	628.7	627.3	629.8	635.7	641.0	646.3
35°	669.4	670.8	666.2	657.1	651.5	651.5	653.6	661.3	669.7	676.4
37.5°	711.4	713.2	705.1	694.2	685.8	685.8	688.6	696.7	709.3	718.8
40°	762.5	765.0	754.8	743.6	735.6	734.2	737.7	746.8	758.7	770.6
42.5°	824.2	827.0	813.7	803.9	797.6	797.6	799.3	807.7	818.6	833.3
45°	903.0	907.9	889.7	879.9	873.9	875.3	876.4	883.7	893.6	910.4
47.5°	996.9	1001.8	982.5	972.4	971.3	978.0	973.8	979.0	984.3	1003.5
50°	1103.4	1111.8	1098.5	1097.8	1099.9	1112.1	1102.3	1105.1	1099.2	1111.4
52.5°	1233.7	1245.9	1243.5	1247.7	1271.1	1296.4	1273.9	1264.1	1241.7	1245.6
55°	1391.6	1410.2	1413.7	1438.9	1492.2	1543.7	1496.0	1456.4	1408.8	1400.0
57.5°	1571.3	1586.0	1602.9	1654.3	1753.8	1845.2	1753.8	1666.3	1591.3	1573.4
60°	1764.7	1782.9	1799.0	1875.0	2022.8	2151.4	2020.0	1881.0	1781.8	1757.7
62.5°	1972.4	1995.9	2007.1	2091.5	2263.8	2417.2	2266.3	2097.8	1987.8	1961.9
65°	2171.7	2191.0	2203.6	2293.6	2458.2	2612.0	2469.4	2303.4	2190.3	2156.3
67.5°	2264.5	2275.0	2305.9	2407.8	2581.5	2757.0	2610.9	2418.6	2292.2	2232.7
70°	2128.6	2107.3	2181.5	2344.7	2596.2	2846.0	2629.9	2339.8	2185.0	2088.3
72.5°	1644.9	1608.1	1737.0	2016.2	2428.1	2789.2	2444.9	2031.9	1817.2	1621.1
75°	895.0	853.3	1031.2	1384.3	1936.3	2417.6	1980.8	1423.9	1148.2	888.3
77.5°	252.5	236.8	380.4	669.7	1164.7	1697.4	1209.5	684.4	451.2	267.6
80°	77.4	75.0	101.6	201.8	494.6	813.0	475.3	204.2	129.3	81.6
82.5°	45.9	42.0	50.4	73.6	126.1	255.4	122.6	76.7	61.6	41.3
85°	26.3	24.5	29.8	35.7	42.4	54.3	35.4	36.4	32.9	22.1
87.5°	10.9	9.8	11.6	11.2	9.8	12.6	9.5	11.2	13.3	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
614.7
612.6
604.9
596.5
592.7
592.7
595.1
599.7
604.2
606.3
608.4
613.7
625.6
644.2
673.9
715.3
766.8
832.3
909.7
997.9
1104.1
1232.6
1386.4
1560.8
1736.7
1940.9
2139.5
2233.4
2111.5
1669.8
946.1
297.4
86.2
44.8
23.1
8.1
0.0

OF REPORT)