

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: P847831

Luminaire Tested: **GLAN-SB4A-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847831
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-SB4A-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16172 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

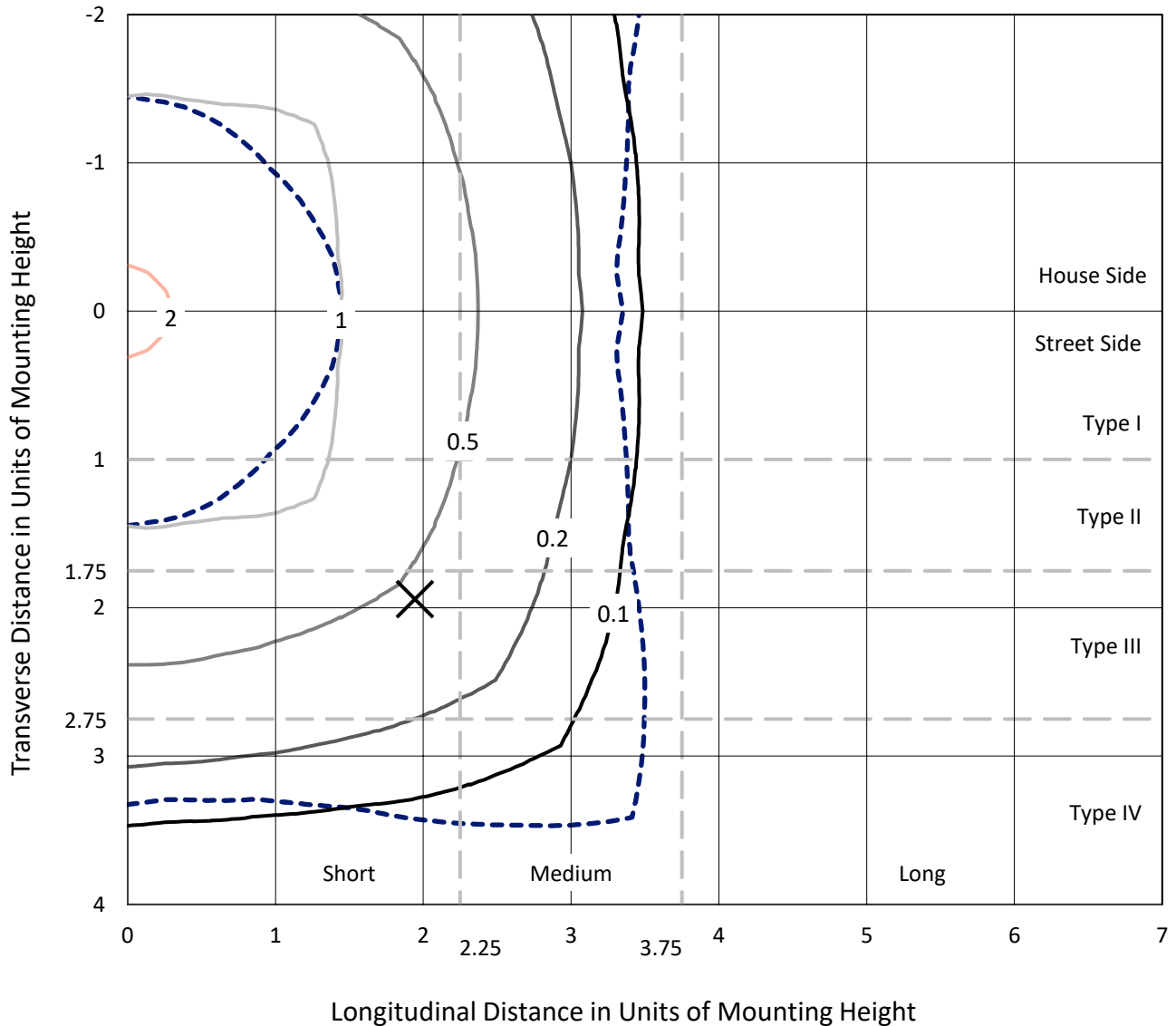
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847831
 CATALOG NUMBER: GLAN-SB4A-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

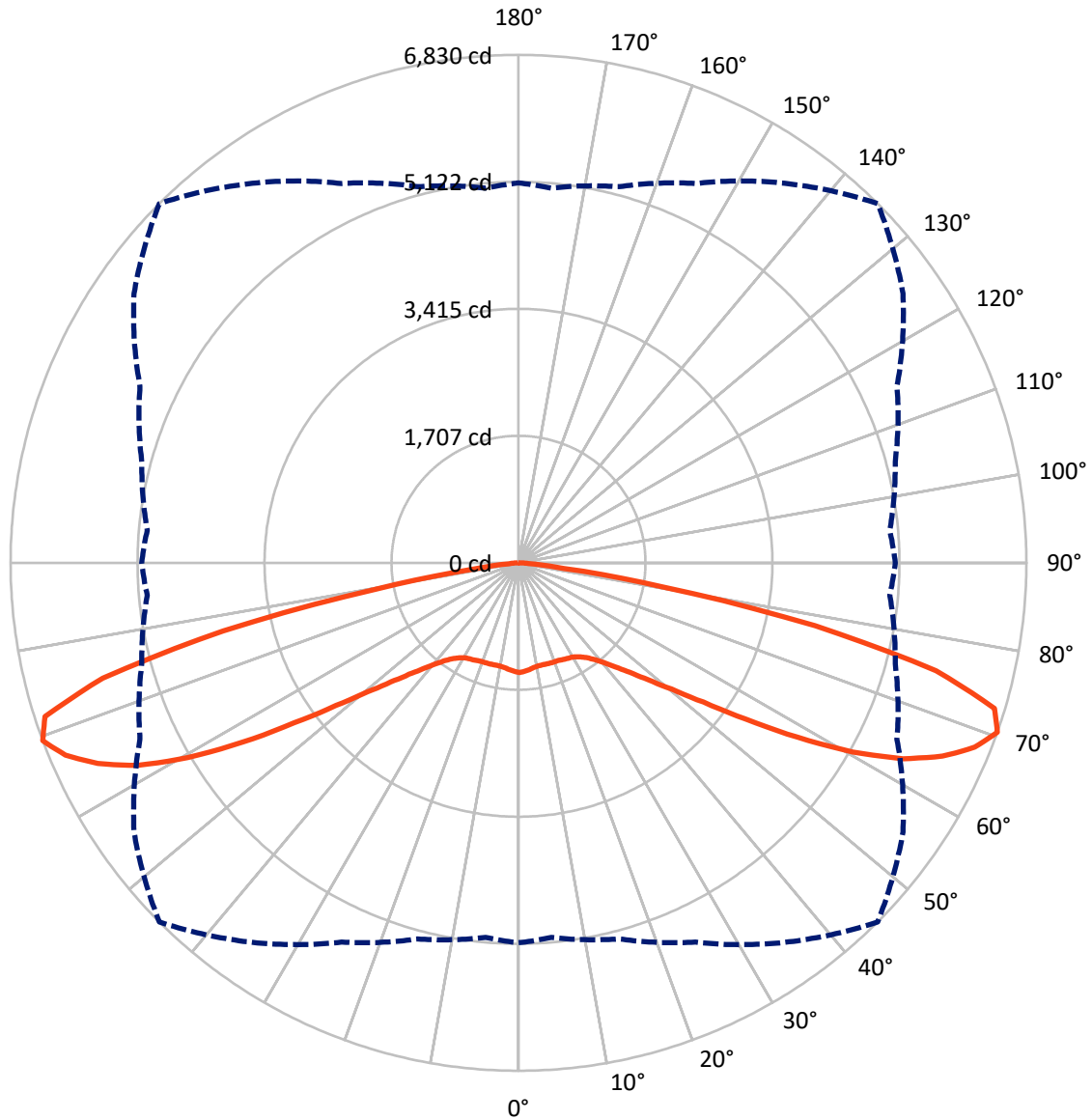
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

REPORT NUMBER: P847831
CATALOG NUMBER: GLAN-SB4A-840-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847831
 CATALOG NUMBER: GLAN-SB4A-840-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8086.0	0.0	8086.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8086.0	0.0	8086.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16172.0	0.0	16172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	0.8
10°-20°	402.9	2.5
20°-30°	670.6	4.1
30°-40°	1014.1	6.3
40°-50°	1685.1	10.4
50°-60°	3179.8	19.7
60°-70°	5369.2	33.2
70°-80°	3528.2	21.8
80°-90°	184.8	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°	16172.0	100.0
0°-180°	16172.0	100.0

Coefficient of Utilization



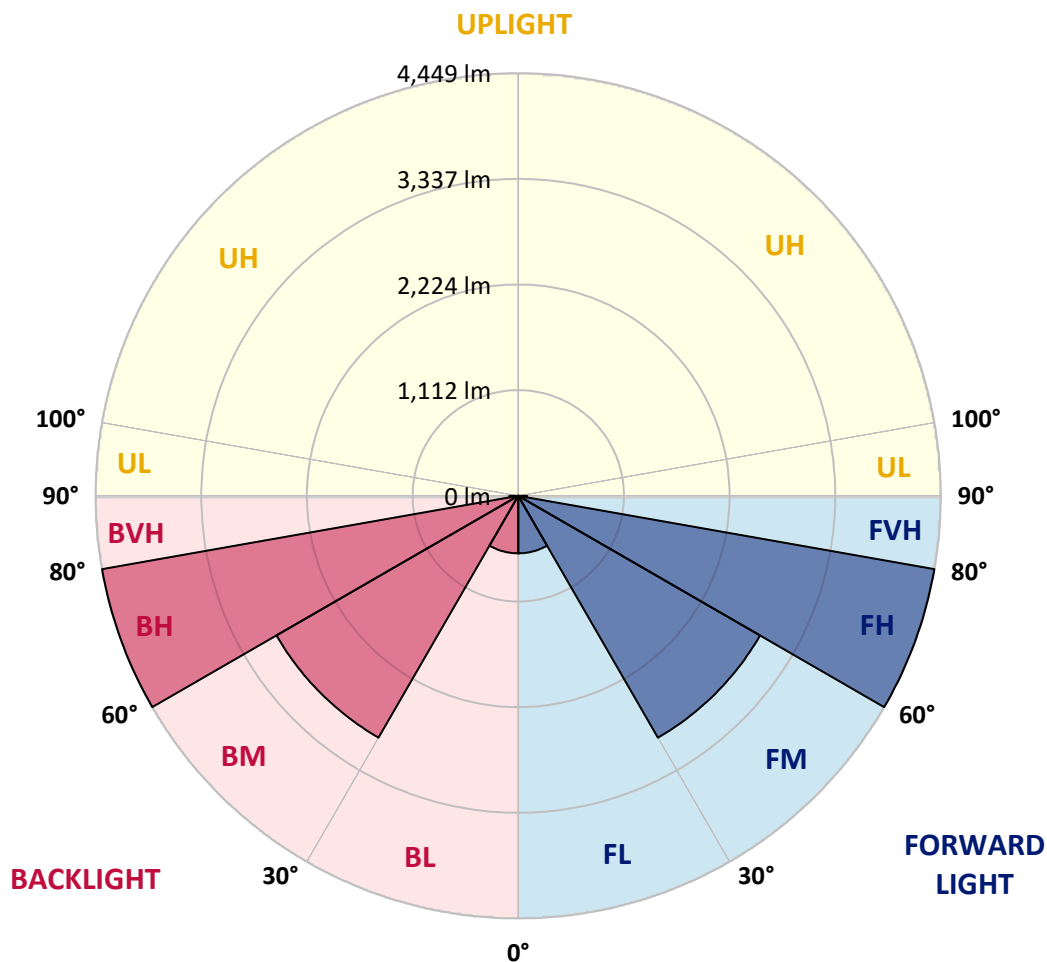
REPORT NUMBER: P847831
 CATALOG NUMBER: GLAN-SB4A-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.4	3.7			
FM (30°-60°)	2939.5	18.2			
FH (60°-80°)	4448.7	27.5			G2/5000
FVH (80°-90°)	92.4	0.6			G1/100
BL (0°-30°)	605.4	3.7	B2/1000		
BM (30°-60°)	2939.5	18.2	B3/5000		
BH (60°-80°)	4448.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	92.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P847831
 CATALOG NUMBER: GLAN-SB4A-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1475.2	1475.2	1475.2	1475.2	1475.2	1475.2	1475.2	1475.2	1475.2	1475.2
2.5°	1466.0	1470.2	1468.5	1465.1	1465.1	1462.6	1465.1	1466.8	1469.3	1471.0
5°	1446.6	1450.0	1449.2	1446.6	1447.5	1445.0	1446.6	1449.2	1450.8	1451.7
7.5°	1429.8	1433.2	1431.5	1427.3	1427.3	1424.8	1425.6	1428.1	1430.7	1431.5
10°	1425.6	1429.0	1423.9	1417.2	1414.7	1411.3	1412.2	1414.7	1419.7	1422.3
12.5°	1427.3	1429.8	1424.8	1414.7	1412.2	1408.8	1408.8	1411.3	1418.1	1421.4
15°	1432.3	1434.9	1427.3	1416.4	1413.8	1411.3	1410.5	1413.8	1421.4	1427.3
17.5°	1441.6	1444.1	1432.3	1417.2	1413.8	1414.7	1413.8	1416.4	1428.1	1439.1
20°	1450.0	1451.7	1435.7	1417.2	1413.8	1414.7	1413.8	1418.9	1434.0	1449.2
22.5°	1452.5	1454.2	1439.1	1423.1	1420.6	1421.4	1420.6	1425.6	1439.9	1455.0
25°	1453.4	1455.9	1444.1	1431.5	1435.7	1437.4	1435.7	1436.5	1447.5	1460.9
27.5°	1466.0	1469.3	1458.4	1447.5	1450.0	1449.2	1451.7	1454.2	1462.6	1476.1
30°	1492.0	1494.5	1485.3	1474.4	1472.7	1466.8	1474.4	1482.8	1492.0	1503.8
32.5°	1534.9	1539.9	1528.2	1516.4	1508.8	1505.5	1511.4	1525.6	1538.3	1550.9
35°	1606.3	1609.7	1598.8	1576.9	1563.5	1563.5	1568.5	1587.0	1607.2	1623.2
37.5°	1707.2	1711.4	1692.1	1666.0	1645.8	1645.8	1652.6	1671.9	1702.2	1724.9
40°	1829.9	1835.8	1811.4	1784.5	1765.2	1761.8	1770.3	1792.1	1820.7	1849.3
42.5°	1977.9	1984.6	1952.7	1929.1	1914.0	1914.0	1918.2	1938.4	1964.4	1999.7
45°	2167.0	2178.8	2135.1	2111.5	2097.2	2100.6	2103.1	2120.8	2144.3	2184.7
47.5°	2392.3	2404.0	2357.8	2333.4	2330.9	2346.9	2336.8	2349.4	2362.0	2408.3
50°	2647.8	2668.0	2636.0	2634.4	2639.4	2668.8	2645.3	2652.0	2637.7	2667.1
52.5°	2960.5	2989.9	2984.0	2994.1	3050.5	3111.0	3057.2	3033.6	2979.8	2989.1
55°	3339.6	3384.2	3392.6	3453.1	3580.9	3704.4	3590.1	3495.1	3380.8	3359.8
57.5°	3770.8	3806.1	3846.5	3970.0	4208.8	4428.2	4208.8	3998.6	3818.7	3775.9
60°	4234.8	4278.5	4317.2	4499.6	4854.3	5162.8	4847.6	4513.9	4276.0	4218.0
62.5°	4733.3	4789.6	4816.5	5019.1	5432.6	5800.8	5438.5	5034.2	4770.3	4708.1
65°	5211.6	5257.8	5288.1	5504.1	5899.2	6268.2	5926.1	5527.6	5256.1	5174.6
67.5°	5434.3	5459.5	5533.5	5778.1	6195.0	6616.2	6265.7	5804.2	5500.7	5357.8
70°	5108.2	5056.9	5235.1	5626.8	6230.4	6829.7	6311.0	5615.1	5243.5	5011.5
72.5°	3947.3	3859.1	4168.4	4838.4	5826.9	6693.5	5867.2	4876.2	4360.9	3890.2
75°	2147.7	2047.6	2474.7	3322.0	4646.7	5801.7	4753.5	3416.9	2755.4	2131.7
77.5°	606.1	568.2	912.9	1607.2	2794.9	4073.4	2902.5	1642.5	1082.7	642.2
80°	185.8	179.9	243.8	484.2	1186.9	1951.0	1140.7	490.1	310.2	195.9
82.5°	110.1	100.9	121.0	176.5	302.6	612.8	294.2	184.1	147.9	99.2
85°	63.0	58.8	71.4	85.7	101.7	130.3	84.9	87.4	79.0	53.0
87.5°	26.1	23.5	27.7	26.9	23.5	30.3	22.7	26.9	31.9	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1475.2
1470.2
1451.7
1431.5
1422.3
1422.3
1428.1
1439.1
1450.0
1455.0
1460.1
1472.7
1501.3
1545.8
1617.3
1716.5
1840.0
1997.2
2183.0
2394.8
2649.5
2958.0
3327.0
3745.6
4167.6
4657.6
5134.2
5359.5
5067.0
4007.0
2270.4
713.6
206.8
107.6
55.5
19.3
0.0

OF REPORT)