

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: P945713

Luminaire Tested: **GLAN-SB1C-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7054 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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



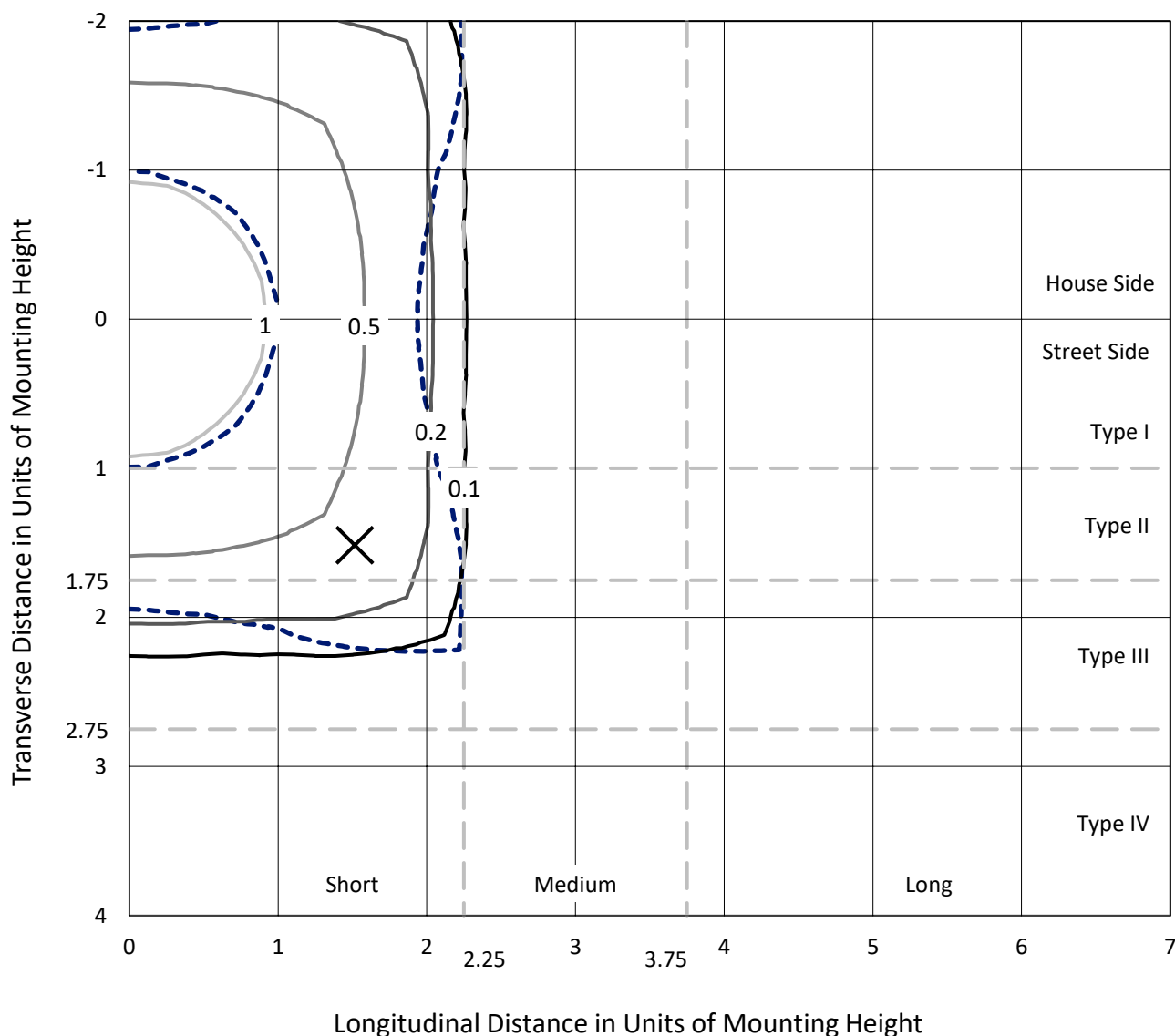
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



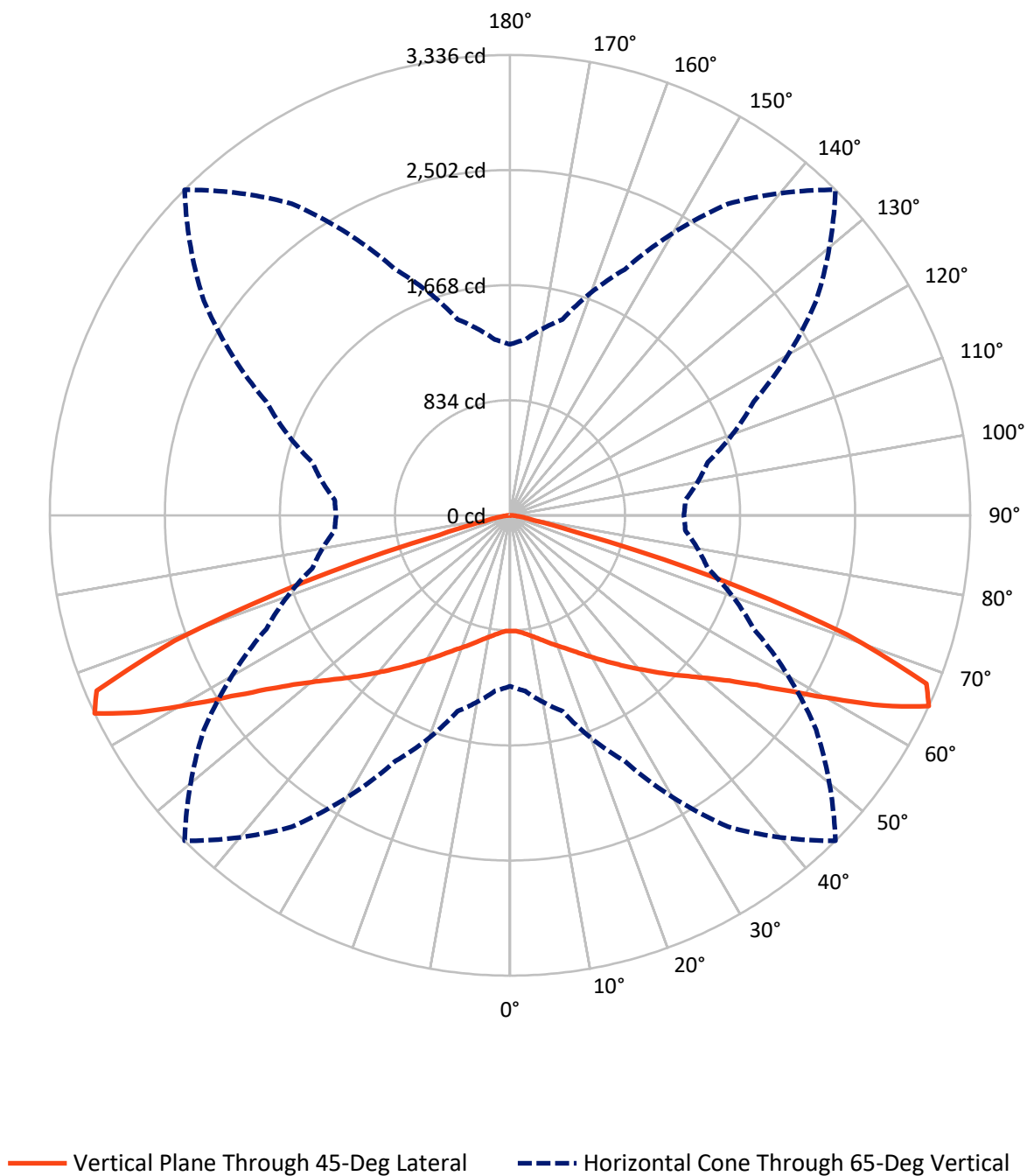
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3527.0	0.0	3527.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3527.0	0.0	3527.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7054.0	0.0	7054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.2
10°-20°	270.3	3.8
20°-30°	510.4	7.2
30°-40°	835.8	11.8
40°-50°	1296.0	18.4
50°-60°	1914.4	27.1
60°-70°	1822.4	25.8
70°-80°	294.1	4.2
80°-90°	27.7	0.4
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°	7054.0	100.0
0°-180°	7054.0	100.0

Coefficient of Utilization



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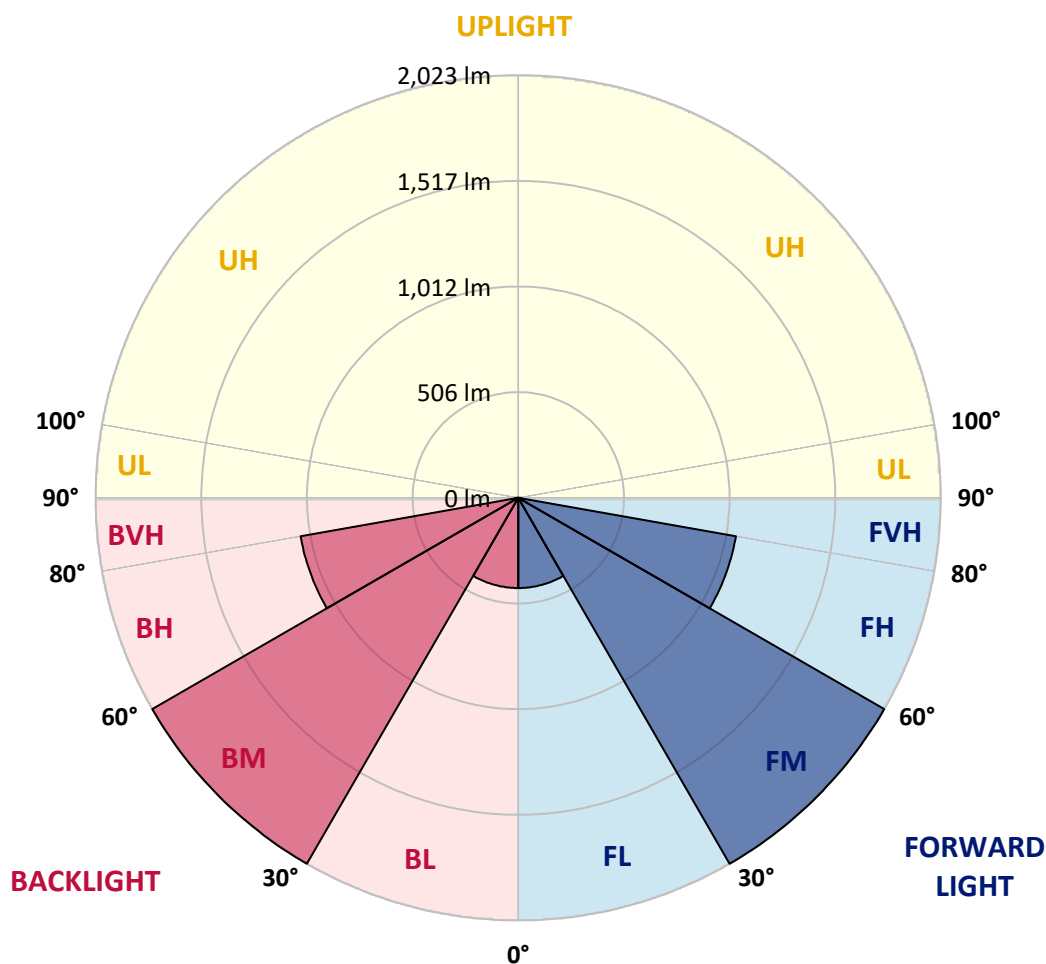
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.8	6.1			
FM	(30°-60°)	2023.1	28.7			
FH	(60°-80°)	1058.2	15.0			G1/1800
FVH	(80°-90°)	13.9	0.2			G1/100
BL	(0°-30°)	431.8	6.1	B1/500		
BM	(30°-60°)	2023.1	28.7	B2/2500		
BH	(60°-80°)	1058.2	15.0	B3/2500		G1/1800
BVH	(80°-90°)	13.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	845.2	842.3	844.5	842.7	841.3	839.9	840.6	843.0	844.1	844.5
5°	856.5	854.0	855.1	855.1	852.6	851.9	852.2	854.0	856.1	856.1
7.5°	874.9	872.4	874.9	873.5	871.3	870.6	870.3	871.7	874.9	874.9
10°	897.2	894.4	895.8	895.1	892.6	891.5	891.2	893.3	896.1	895.8
12.5°	921.6	918.4	920.2	918.1	917.4	916.3	916.3	915.9	917.7	916.3
15°	948.9	946.7	947.4	946.0	947.1	946.4	943.5	942.1	942.8	940.7
17.5°	981.1	976.1	978.6	977.9	977.9	979.3	974.7	972.9	974.3	972.2
20°	1018.2	1013.3	1014.3	1012.9	1011.1	1012.6	1006.9	1008.3	1009.4	1008.0
22.5°	1058.9	1052.6	1052.2	1052.9	1049.0	1049.4	1045.5	1049.0	1051.1	1047.2
25°	1100.7	1094.0	1098.6	1096.8	1091.8	1092.9	1090.1	1093.6	1095.4	1090.4
27.5°	1144.9	1140.3	1144.6	1145.6	1139.6	1143.9	1139.6	1142.8	1144.6	1137.1
30°	1196.6	1192.0	1195.9	1198.7	1191.6	1198.4	1194.8	1197.0	1197.3	1188.5
32.5°	1252.9	1245.8	1255.7	1257.1	1249.3	1257.5	1252.9	1255.7	1257.5	1245.4
35°	1321.5	1312.7	1324.0	1322.2	1315.5	1322.2	1318.0	1322.2	1326.5	1312.0
37.5°	1395.5	1386.3	1398.3	1395.1	1388.8	1393.4	1390.9	1393.7	1400.5	1384.9
40°	1476.9	1465.6	1481.9	1476.2	1470.2	1469.5	1470.9	1472.7	1481.5	1464.2
42.5°	1564.0	1551.9	1576.4	1567.5	1559.0	1553.4	1558.0	1561.5	1570.0	1550.5
45°	1663.4	1649.6	1681.5	1670.9	1657.4	1645.7	1653.2	1658.5	1670.9	1647.5
47.5°	1773.1	1757.6	1791.5	1788.4	1766.4	1740.9	1757.9	1773.1	1782.3	1754.0
50°	1880.4	1868.3	1912.9	1916.8	1889.9	1854.2	1877.9	1900.9	1903.4	1866.2
52.5°	1980.9	1968.9	2033.6	2058.0	2034.0	1991.5	2016.6	2040.0	2021.2	1973.1
55°	2061.2	2051.3	2133.8	2196.8	2204.9	2169.9	2184.7	2184.0	2122.5	2048.5
57.5°	2080.7	2079.3	2183.3	2316.8	2401.7	2405.9	2376.6	2301.5	2168.8	2069.4
60°	1992.2	2001.1	2144.0	2379.4	2605.9	2700.1	2573.0	2358.9	2116.1	1978.1
62.5°	1727.5	1750.8	1923.2	2303.0	2770.8	3038.4	2730.5	2271.8	1899.5	1719.3
65°	1238.0	1278.7	1469.1	1965.3	2756.0	3335.7	2707.8	1949.4	1483.3	1275.5
67.5°	561.7	603.1	764.8	1345.6	2395.7	3255.0	2390.0	1359.8	803.0	605.2
70°	203.5	210.6	262.6	538.7	1531.1	2593.5	1596.5	542.6	279.2	224.4
72.5°	123.2	124.2	135.2	192.9	531.9	1574.6	554.6	199.3	138.0	122.5
75°	78.2	77.5	96.3	117.9	188.6	531.2	197.8	117.9	95.9	87.4
77.5°	56.3	58.0	69.0	88.1	118.9	180.1	116.8	84.2	69.0	56.6
80°	42.1	43.2	50.3	68.7	83.5	112.2	74.3	62.3	52.0	35.4
82.5°	30.4	30.4	32.9	49.9	51.0	60.5	40.3	43.9	34.3	25.1
85°	18.0	17.7	20.5	29.7	26.5	22.3	18.4	26.9	21.6	15.6
87.5°	6.4	6.7	6.4	8.5	7.1	6.0	5.7	7.4	6.0	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
839.5
844.5
856.1
873.8
895.1
917.0
941.1
974.0
1011.1
1051.1
1096.1
1142.8
1193.8
1253.6
1320.8
1394.4
1469.8
1560.8
1659.5
1763.6
1870.8
1974.5
2051.0
2063.0
1961.8
1708.7
1260.3
596.4
221.6
124.6
88.1
57.7
36.5
25.1
15.2
5.0
0.0

OF REPORT)