

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: P845711

Luminaire Tested: **GLAN-SB1A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845711
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-SB1A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4384 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

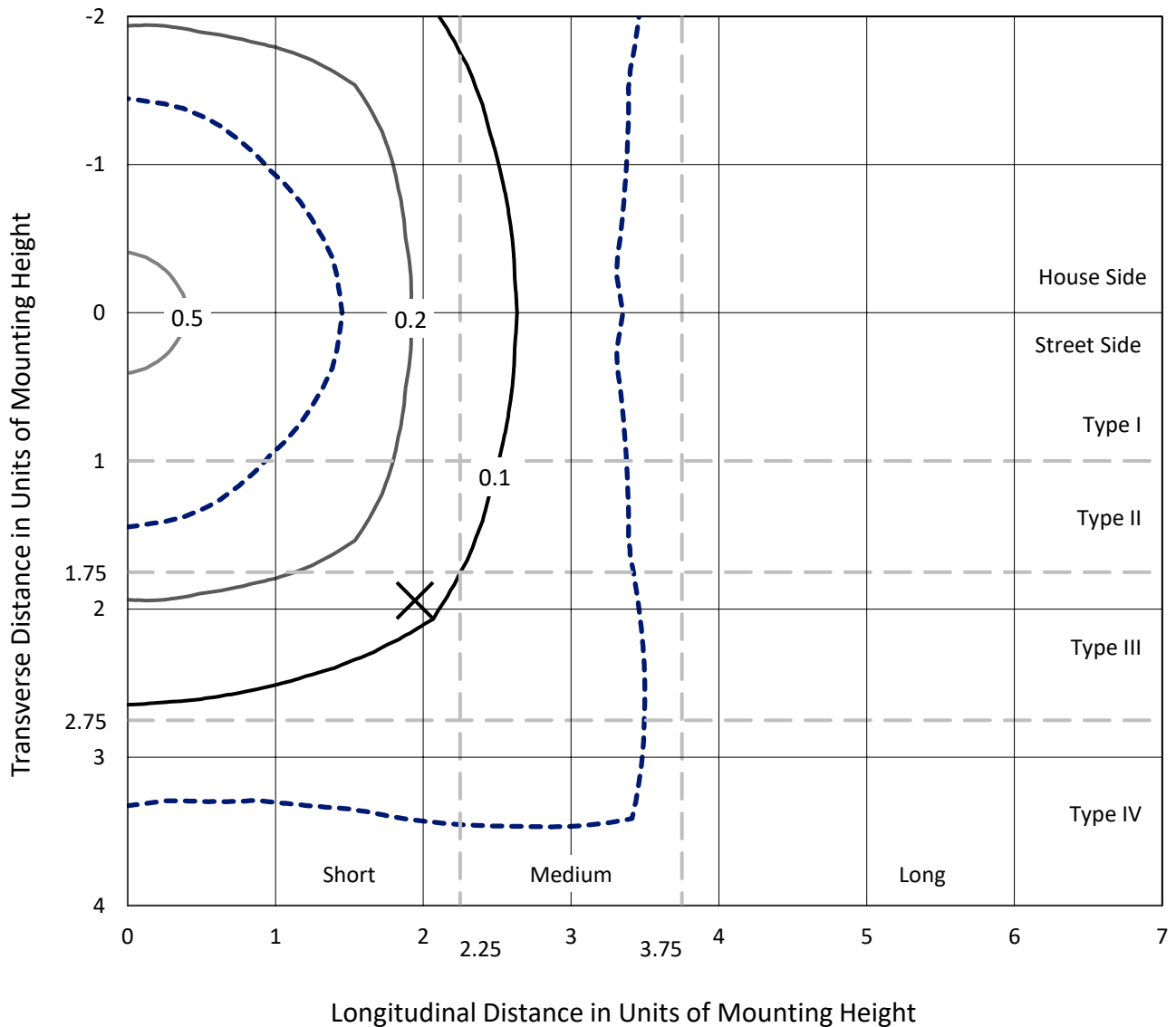
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

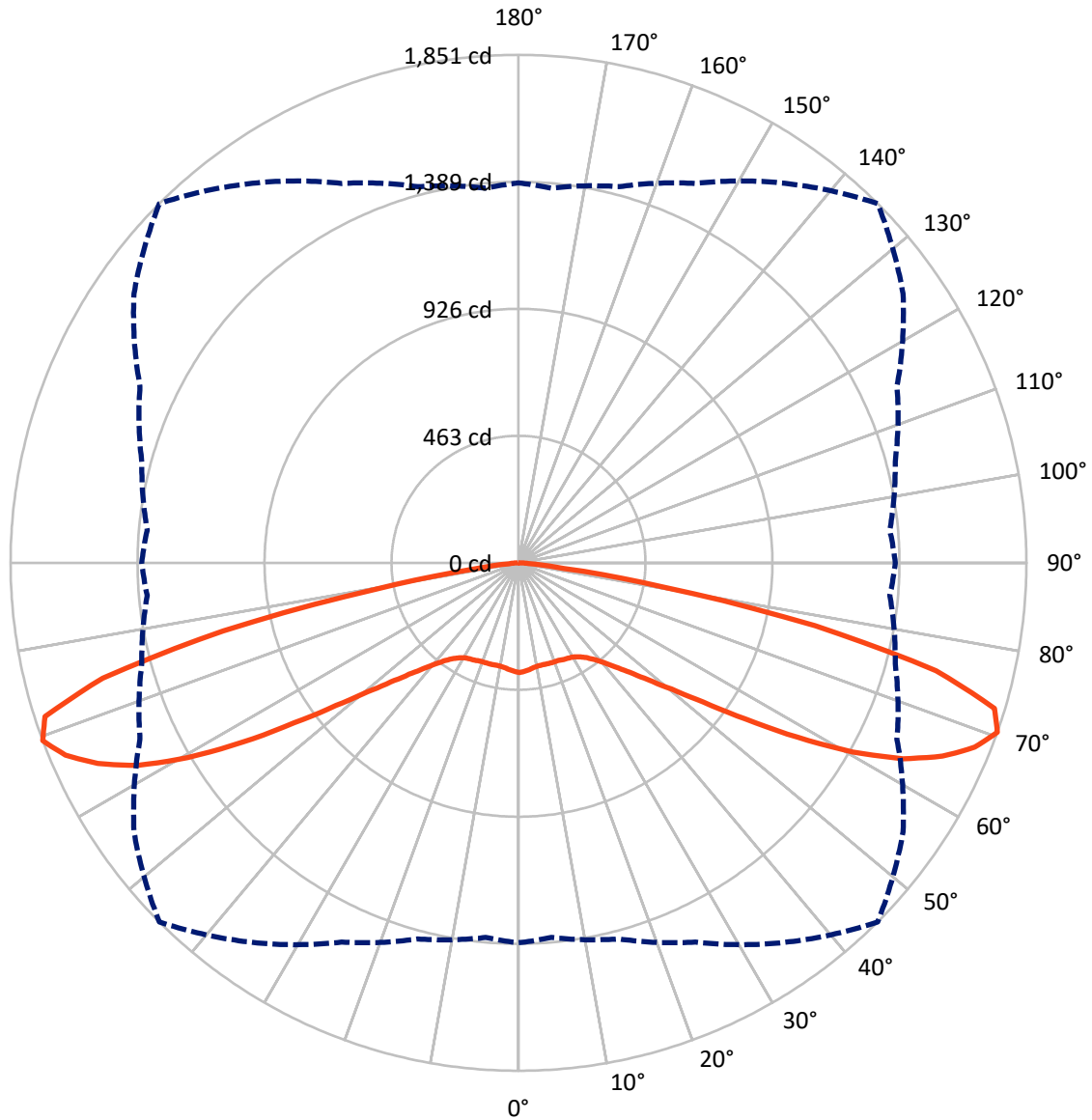
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2192.0	0.0	2192.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2192.0	0.0	2192.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4384.0	0.0	4384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	0.8
10°-20°	109.2	2.5
20°-30°	181.8	4.1
30°-40°	274.9	6.3
40°-50°	456.8	10.4
50°-60°	862.0	19.7
60°-70°	1455.5	33.2
70°-80°	956.4	21.8
80°-90°	50.1	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°	4384.0	100.0
0°-180°	4384.0	100.0

Coefficient of Utilization



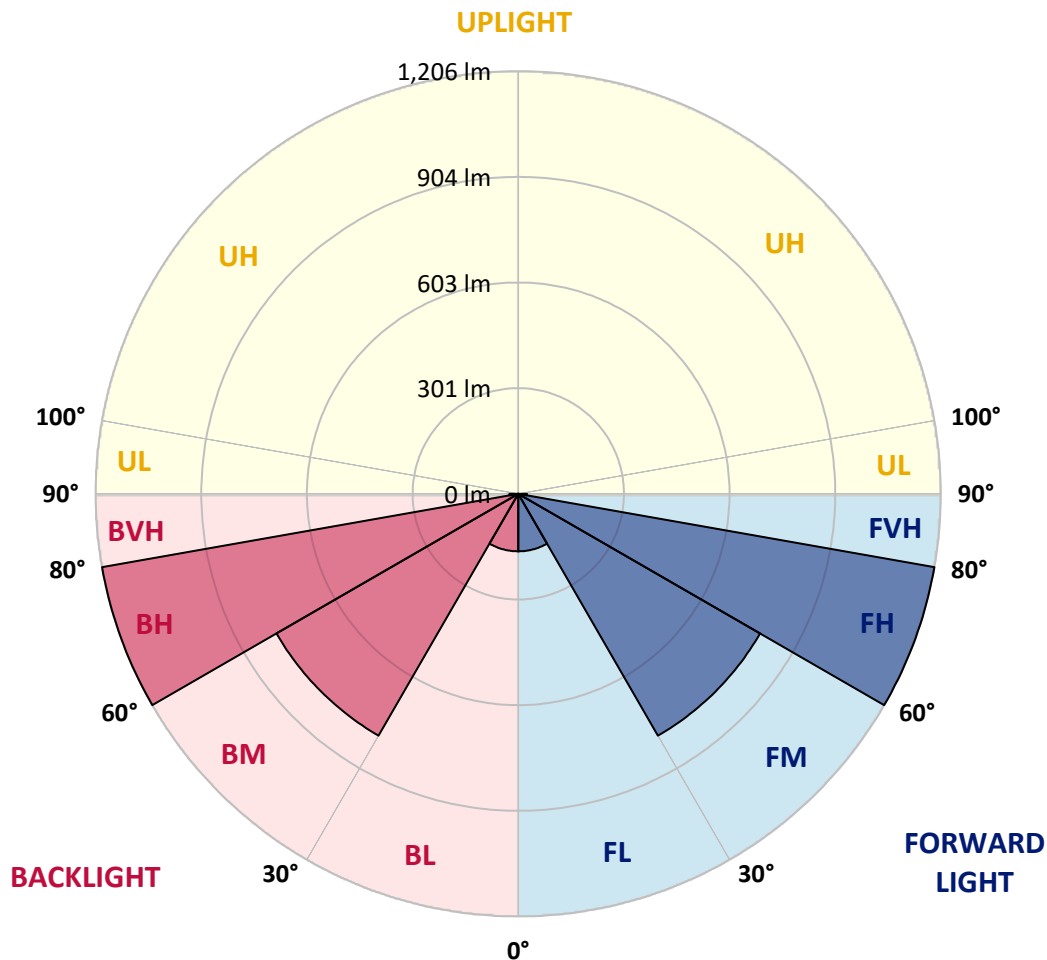
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.1	3.7			
FM (30°-60°)	796.9	18.2			
FH (60°-80°)	1206.0	27.5			G1/1800
FVH (80°-90°)	25.1	0.6			G1/100
BL (0°-30°)	164.1	3.7	B1/500		
BM (30°-60°)	796.9	18.2	B1/1000		
BH (60°-80°)	1206.0	27.5	B3/2500		G1/1800
BVH (80°-90°)	25.1	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9	399.9
2.5°	397.4	398.5	398.1	397.2	397.2	396.5	397.2	397.6	398.3	398.8
5°	392.2	393.1	392.8	392.2	392.4	391.7	392.2	392.8	393.3	393.5
7.5°	387.6	388.5	388.1	386.9	386.9	386.2	386.5	387.1	387.8	388.1
10°	386.5	387.4	386.0	384.2	383.5	382.6	382.8	383.5	384.9	385.6
12.5°	386.9	387.6	386.2	383.5	382.8	381.9	381.9	382.6	384.4	385.3
15°	388.3	389.0	386.9	384.0	383.3	382.6	382.4	383.3	385.3	386.9
17.5°	390.8	391.5	388.3	384.2	383.3	383.5	383.3	384.0	387.1	390.1
20°	393.1	393.5	389.2	384.2	383.3	383.5	383.3	384.6	388.7	392.8
22.5°	393.8	394.2	390.1	385.8	385.1	385.3	385.1	386.5	390.3	394.4
25°	394.0	394.7	391.5	388.1	389.2	389.7	389.2	389.4	392.4	396.0
27.5°	397.4	398.3	395.4	392.4	393.1	392.8	393.5	394.2	396.5	400.1
30°	404.5	405.2	402.6	399.7	399.2	397.6	399.7	402.0	404.5	407.7
32.5°	416.1	417.5	414.3	411.1	409.0	408.1	409.7	413.6	417.0	420.4
35°	435.5	436.4	433.4	427.5	423.8	423.8	425.2	430.2	435.7	440.0
37.5°	462.8	463.9	458.7	451.6	446.2	446.2	448.0	453.2	461.4	467.6
40°	496.1	497.7	491.1	483.8	478.5	477.6	479.9	485.8	493.6	501.3
42.5°	536.2	538.0	529.3	523.0	518.9	518.9	520.0	525.5	532.5	542.1
45°	587.4	590.6	578.8	572.4	568.5	569.4	570.1	574.9	581.3	592.2
47.5°	648.5	651.7	639.2	632.6	631.9	636.2	633.5	636.9	640.3	652.8
50°	717.8	723.3	714.6	714.1	715.5	723.5	717.1	718.9	715.1	723.0
52.5°	802.6	810.5	808.9	811.7	826.9	843.3	828.8	822.4	807.8	810.3
55°	905.3	917.4	919.7	936.1	970.7	1004.2	973.2	947.5	916.5	910.8
57.5°	1022.2	1031.8	1042.7	1076.2	1140.9	1200.4	1140.9	1084.0	1035.2	1023.6
60°	1148.0	1159.9	1170.3	1219.8	1315.9	1399.6	1314.1	1223.7	1159.2	1143.4
62.5°	1283.1	1298.4	1305.7	1360.6	1472.7	1572.5	1474.3	1364.7	1293.2	1276.3
65°	1412.8	1425.3	1433.5	1492.1	1599.2	1699.2	1606.5	1498.5	1424.9	1402.8
67.5°	1473.2	1480.0	1500.1	1566.4	1679.4	1793.6	1698.5	1573.4	1491.2	1452.4
70°	1384.8	1370.9	1419.2	1525.4	1689.0	1851.4	1710.8	1522.2	1421.4	1358.6
72.5°	1070.1	1046.1	1130.0	1311.6	1579.6	1814.5	1590.5	1321.9	1182.2	1054.6
75°	582.2	555.1	670.8	900.5	1259.7	1572.7	1288.6	926.3	747.0	577.9
77.5°	164.3	154.0	247.5	435.7	757.7	1104.3	786.8	445.3	293.5	174.1
80°	50.4	48.8	66.1	131.3	321.8	528.9	309.2	132.8	84.1	53.1
82.5°	29.9	27.3	32.8	47.9	82.0	166.1	79.8	49.9	40.1	26.9
85°	17.1	16.0	19.4	23.2	27.6	35.3	23.0	23.7	21.4	14.4
87.5°	7.1	6.4	7.5	7.3	6.4	8.2	6.2	7.3	8.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
399.9
398.5
393.5
388.1
385.6
385.6
387.1
390.1
393.1
394.4
395.8
399.2
407.0
419.1
438.4
465.3
498.8
541.4
591.8
649.2
718.2
801.9
901.9
1015.4
1129.8
1262.6
1391.8
1452.9
1373.6
1086.2
615.5
193.5
56.1
29.2
15.0
5.2
0.0

OF REPORT)