

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: P957140

Luminaire Tested: **GLAN-SB9C-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63117 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

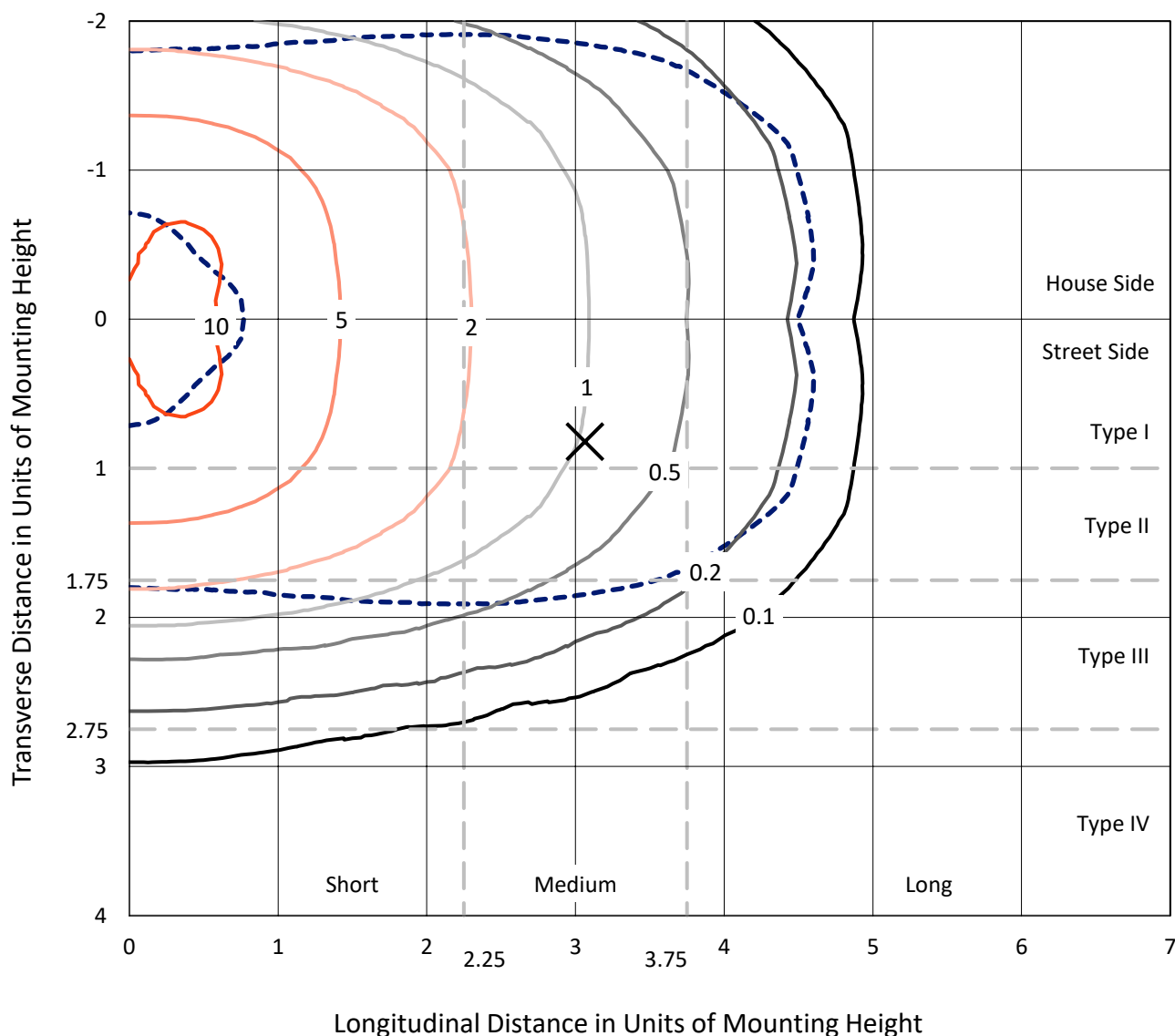
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

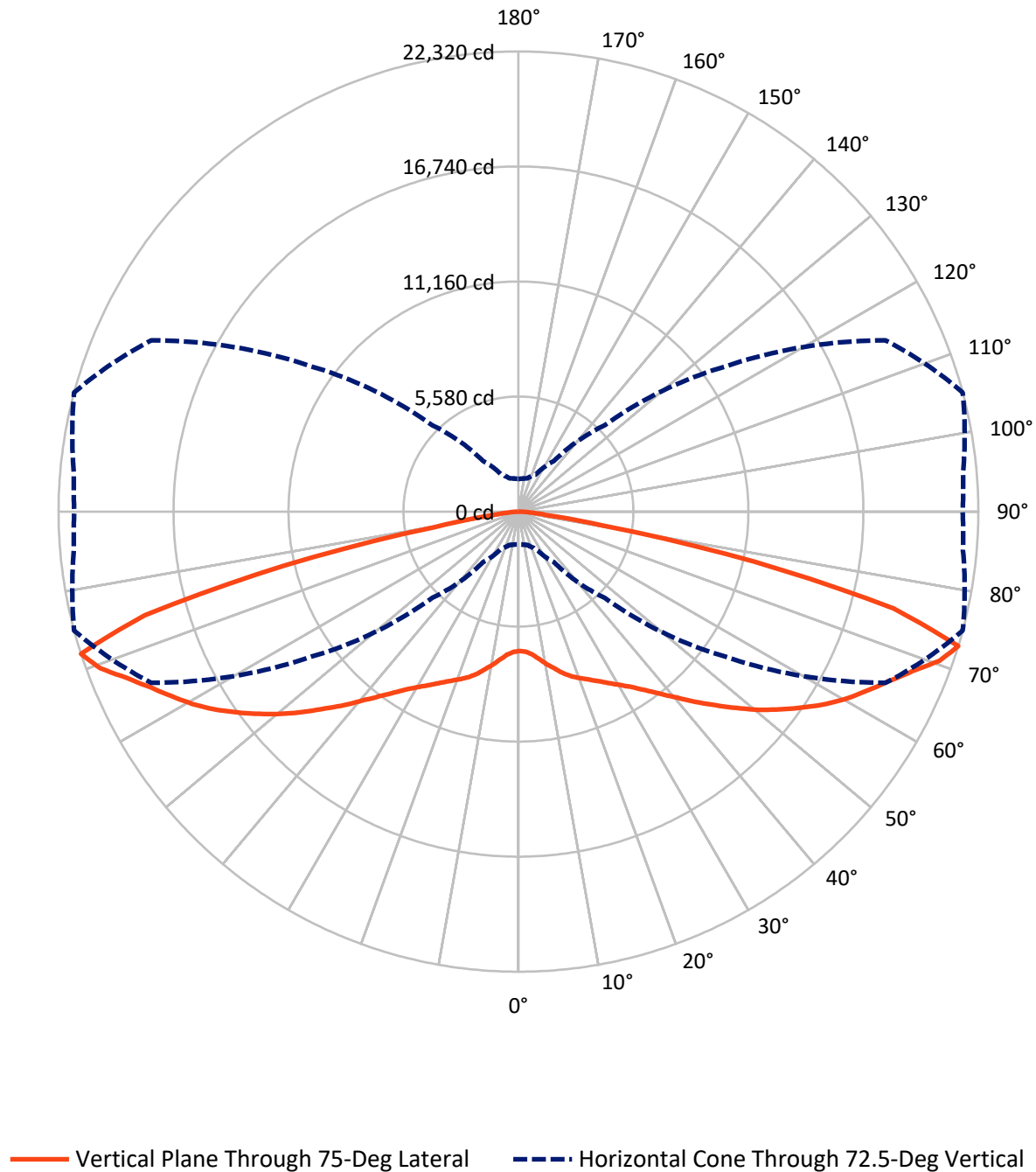
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31558.5	0.0	31558.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31558.5	0.0	31558.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	63117.0	0.0	63117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.3	1.0
10°-20°	2184.4	3.5
20°-30°	4220.9	6.7
30°-40°	7127.2	11.3
40°-50°	11302.9	17.9
50°-60°	15133.3	24.0
60°-70°	14402.0	22.8
70°-80°	7515.2	11.9
80°-90°	568.9	0.9
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°	63117.0	100.0
0°-180°	63117.0	100.0

Coefficient of Utilization



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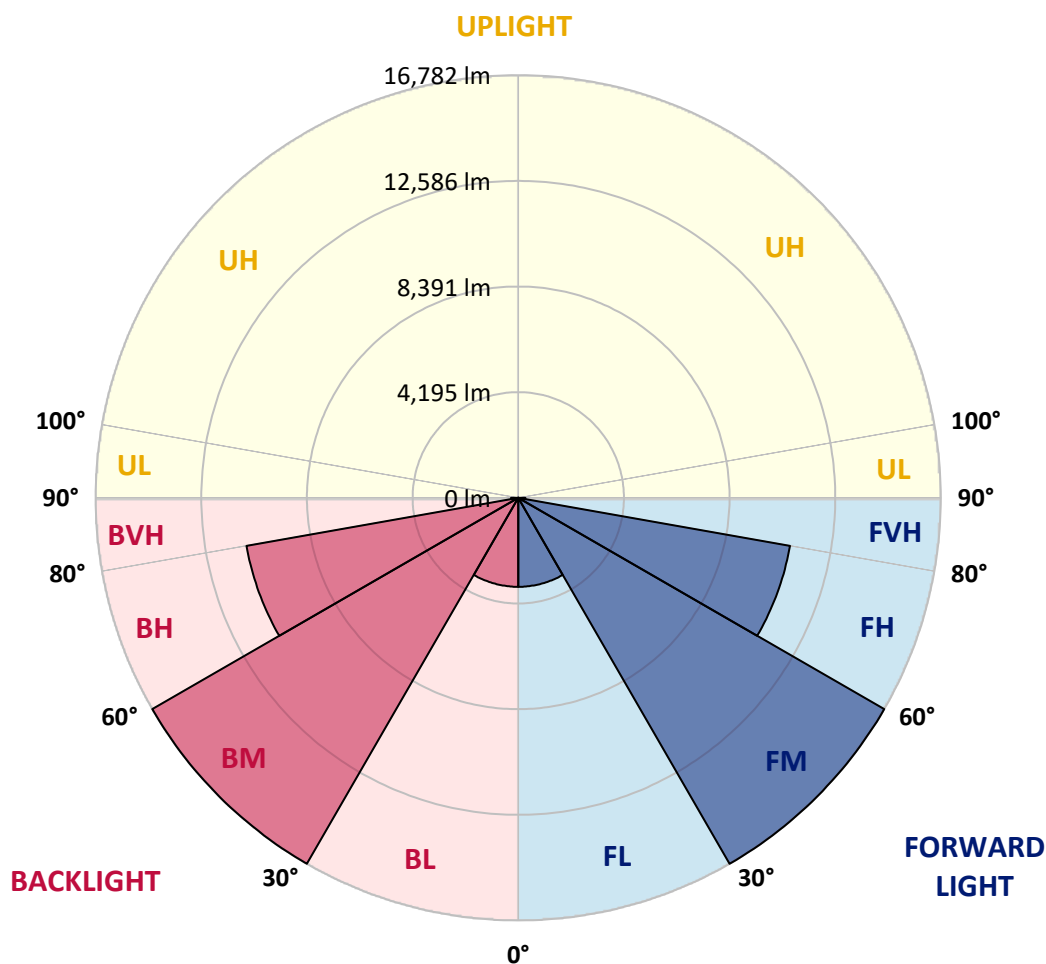
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3533.8	5.6			
FM	(30°-60°)	16781.7	26.6			
FH	(60°-80°)	10958.6	17.4			G4/12000
FVH	(80°-90°)	284.4	0.5			G3/500
BL	(0°-30°)	3533.8	5.6	B4/5000		
BM	(30°-60°)	16781.7	26.6	B5		
BH	(60°-80°)	10958.6	17.4	B5		G5
BVH	(80°-90°)	284.4	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6761.0	6761.0	6761.0	6761.0	6761.0	6761.0	6761.0	6761.0	6761.0	6761.0
2.5°	6761.0	6754.5	6761.0	6767.4	6764.2	6764.2	6780.3	6790.0	6809.3	6806.1
5°	6715.8	6712.6	6738.4	6767.4	6790.0	6828.6	6877.0	6912.4	6957.5	6967.2
7.5°	6693.3	6683.6	6728.7	6780.3	6851.2	6947.9	7041.3	7138.0	7215.3	7241.1
10°	6709.4	6712.6	6773.9	6870.5	6983.3	7118.7	7250.8	7415.1	7524.7	7550.5
12.5°	6783.5	6777.1	6880.2	7034.9	7189.6	7360.4	7515.0	7695.5	7814.7	7876.0
15°	6918.9	6906.0	7051.0	7279.8	7505.4	7705.2	7830.9	8001.7	8140.2	8217.6
17.5°	7080.0	7086.4	7276.6	7573.0	7869.5	8095.1	8214.3	8301.4	8407.7	8475.4
20°	7363.6	7376.5	7589.2	7940.4	8278.8	8536.6	8633.3	8601.1	8630.1	8681.6
22.5°	7743.8	7750.3	7988.8	8369.0	8723.5	9007.1	9071.5	8939.4	8858.9	8894.3
25°	8185.3	8227.2	8465.7	8855.6	9219.8	9490.5	9519.5	9319.7	9119.9	9129.6
27.5°	8723.5	8762.2	9003.9	9390.6	9761.2	9996.4	9993.2	9725.7	9432.5	9358.4
30°	9306.8	9348.7	9596.8	9996.4	10341.2	10547.5	10502.4	10183.3	9764.4	9625.8
32.5°	9999.6	10025.4	10276.8	10676.4	10995.4	11159.8	11066.3	10673.2	10151.1	9993.2
35°	10837.5	10876.2	11063.1	11440.1	11720.5	11855.9	11697.9	11233.9	10647.4	10470.1
37.5°	11794.6	11768.8	11981.5	12316.7	12548.7	12632.5	12416.6	11865.5	11214.6	11005.1
40°	12793.6	12780.7	13012.8	13335.0	13460.7	13512.3	13193.2	12590.6	11868.7	11643.2
42.5°	13699.2	13689.5	14002.1	14359.8	14511.3	14453.2	14050.4	13360.8	12626.0	12368.2
45°	14424.2	14411.4	14794.8	15297.6	15594.0	15497.4	14956.0	14211.6	13393.0	13125.5
47.5°	14981.7	14988.2	15400.7	16022.6	16541.5	16576.9	15880.8	15078.4	14237.3	13934.4
50°	15384.6	15403.9	15845.4	16535.0	17244.0	17556.6	16825.1	15967.9	15110.7	14769.1
52.5°	15484.5	15519.9	16051.6	16860.5	17695.2	18291.3	17785.4	16821.8	15938.9	15613.4
55°	14952.7	15023.6	15697.2	16834.7	17972.3	18774.7	18629.7	17688.7	16773.5	16438.4
57.5°	13731.4	13831.3	14617.6	16103.2	17911.1	19106.6	19283.9	18520.1	17608.1	17285.9
60°	12020.2	12139.4	12893.5	14514.5	17047.4	19229.1	19744.7	19329.0	18375.1	18062.5
62.5°	9438.9	9593.6	10495.9	12397.2	15223.4	18658.7	20137.9	20060.5	19064.7	18674.8
65°	6055.2	6219.6	7170.2	9416.4	12790.4	16912.1	20260.3	20772.7	19793.1	19248.4
67.5°	3651.2	3725.3	4195.8	5707.2	9348.7	14279.2	19222.7	21562.2	20643.8	19967.1
70°	2336.4	2378.3	2658.6	3351.5	5285.0	10418.6	16651.0	21710.5	21675.0	20705.0
72.5°	1585.5	1598.4	1672.5	1985.1	2990.5	5919.9	12281.2	19654.5	22319.5	21655.7
75°	1160.1	1231.0	1350.3	1405.0	1698.3	2958.3	7038.1	13808.7	18810.2	19100.2
77.5°	863.6	866.9	1031.2	1095.7	1211.7	1575.8	2977.7	7708.4	11678.6	12261.9
80°	731.5	692.9	689.6	883.0	912.0	982.9	1330.9	2661.8	4182.9	2536.2
82.5°	609.1	567.2	512.4	689.6	622.0	602.6	576.8	1082.8	1330.9	654.2
85°	425.4	406.0	386.7	451.2	354.5	302.9	277.1	505.9	560.7	277.1
87.5°	183.7	190.1	193.4	199.8	148.2	106.3	106.3	141.8	141.8	109.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6761.0
6802.9
6967.2
7247.6
7576.3
7901.8
8246.6
8507.6
8720.3
8920.1
9145.7
9380.9
9641.9
10031.9
10495.9
11043.8
11717.3
12432.7
13186.8
14024.6
14872.2
15697.2
16531.8
17360.0
18130.2
18719.9
19316.1
20018.6
20698.6
21552.6
18397.7
10937.4
1917.4
557.5
244.9
80.6
0.0

OF REPORT)