

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: P941377

Luminaire Tested: **GLAN-SB4D-850-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39036 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 293.6
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



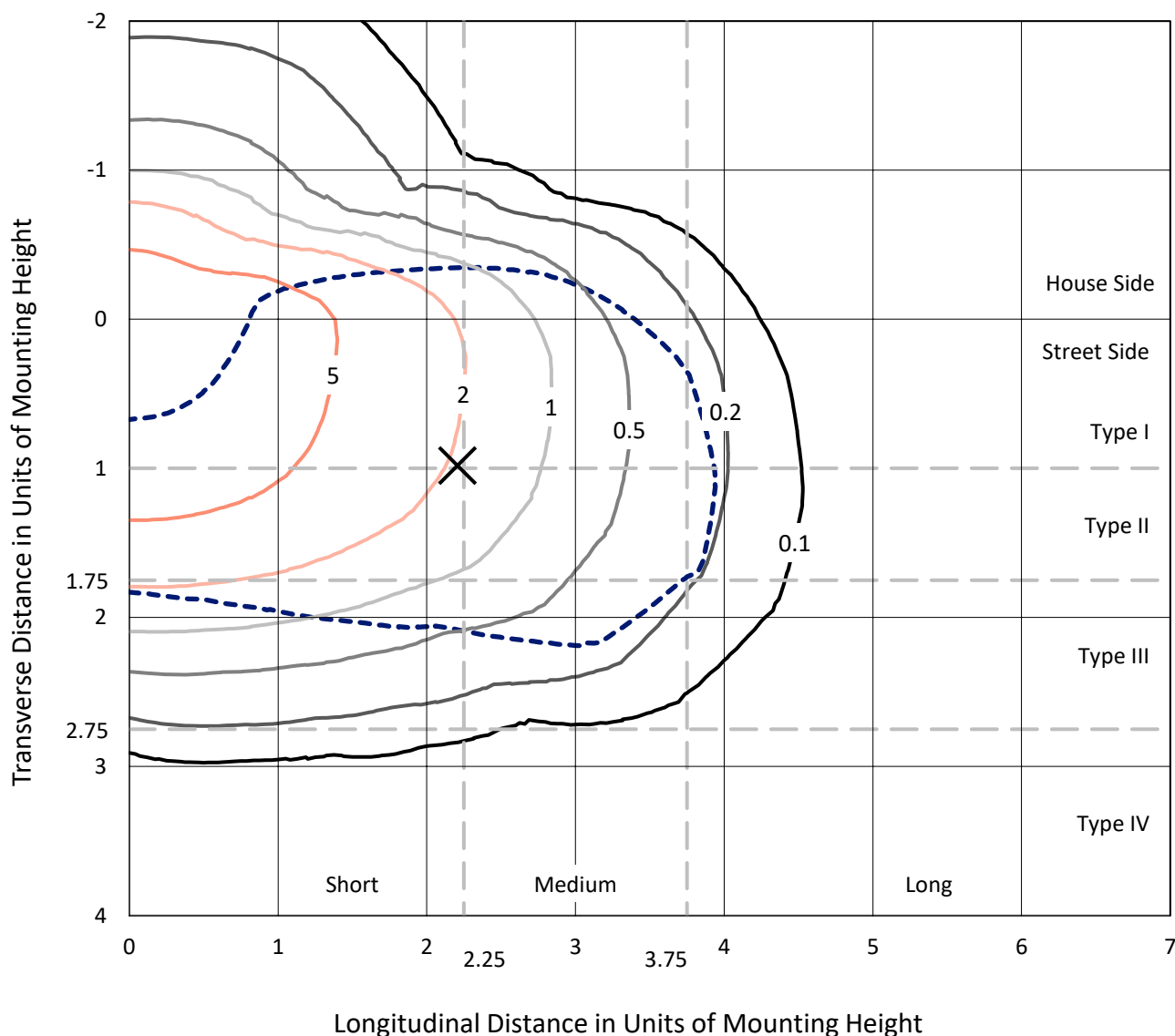
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

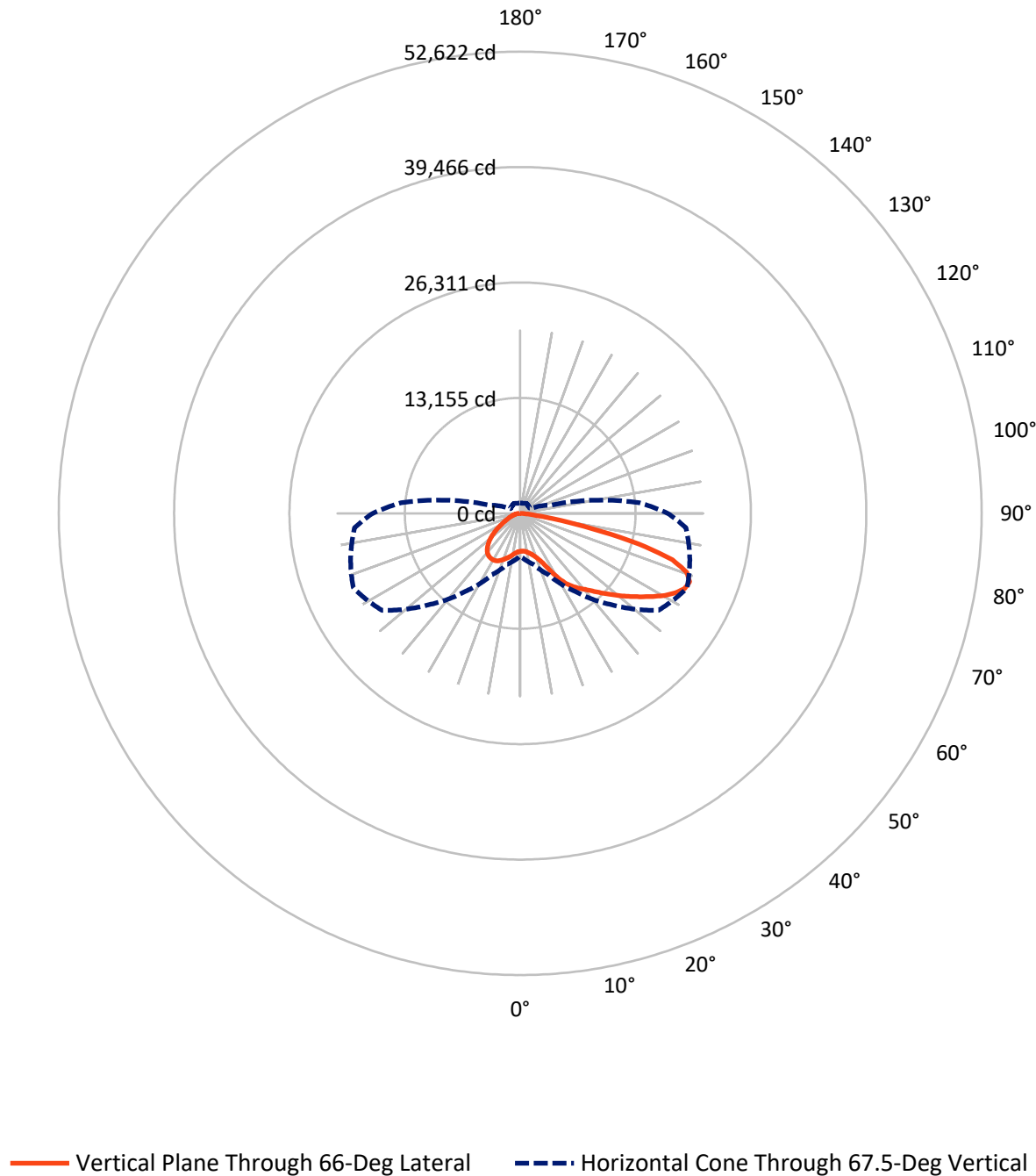


Based on 25 foot mounting height. Maximum calculated value = 9.8 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9706.2	0.0	9706.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29329.8	0.0	29329.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	39036.0	0.0	39036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.3	1.1
10°-20°	1418.2	3.6
20°-30°	2733.6	7.0
30°-40°	4792.9	12.3
40°-50°	7125.5	18.3
50°-60°	9032.3	23.1
60°-70°	8837.9	22.6
70°-80°	4215.8	10.8
80°-90°	450.6	1.2
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°	39036.0	100.0
0°-180°	39036.0	100.0

Coefficient of Utilization



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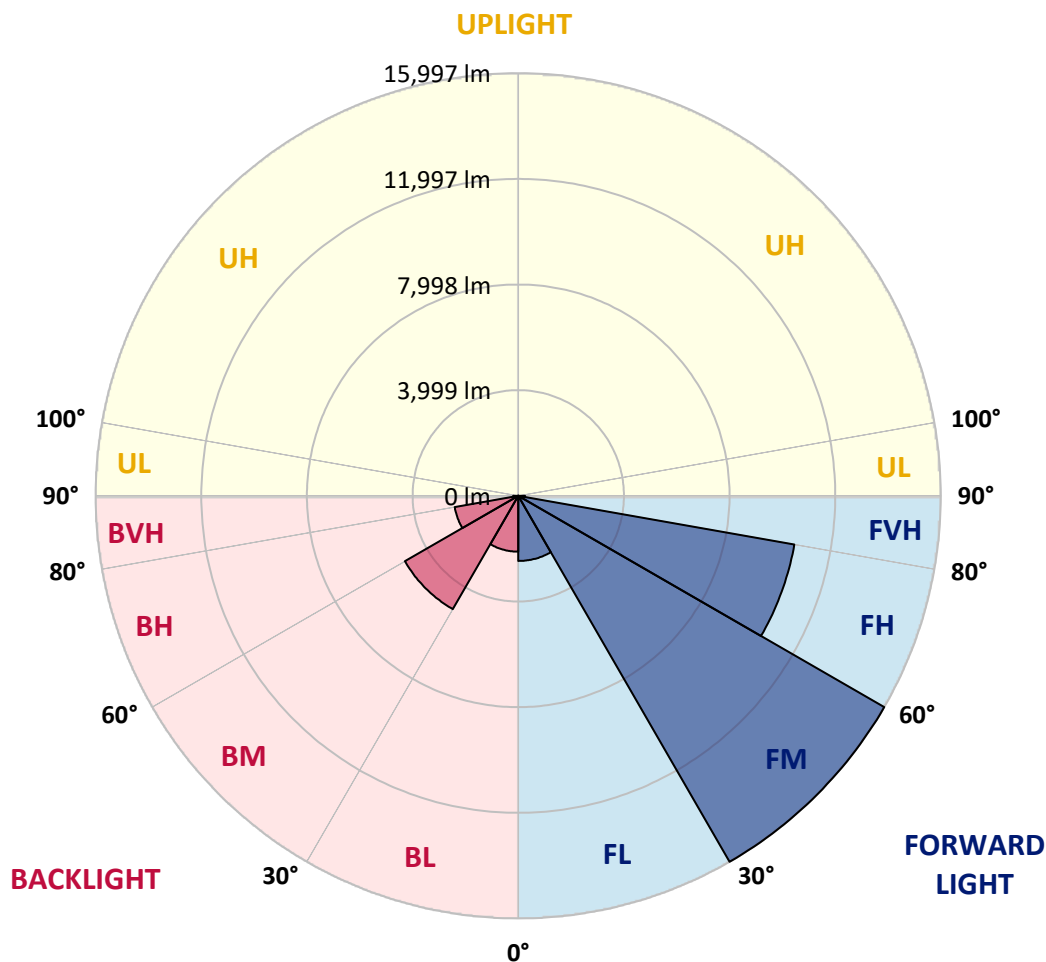
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2466.7	6.3			
FM	(30°-60°)	15996.6	41.0			
FH	(60°-80°)	10611.1	27.2			G4/12000
FVH	(80°-90°)	255.4	0.7			G3/500
BL	(0°-30°)	2114.4	5.4	B3/2500		
BM	(30°-60°)	4954.1	12.7	B3/5000		
BH	(60°-80°)	2442.6	6.3	B3/2500		G3/2500
BVH	(80°-90°)	195.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



180°
4329.6
4440.4
4616.7
4830.0
5026.9
5096.7
5098.7
5008.5
4797.2
4497.8
4184.0
3896.9
3642.5
3324.6
2967.8
2612.9
2295.0
2028.4
1763.8
1614.1
1519.8
1454.1
1409.0
1359.8
1275.7
1206.0
1177.3
1175.2
1156.7
1253.1
1242.9
877.8
676.8
518.9
391.7
198.9
0.0