

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: P941923

Luminaire Tested: **GLAN-SB5C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27119 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 249.5
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

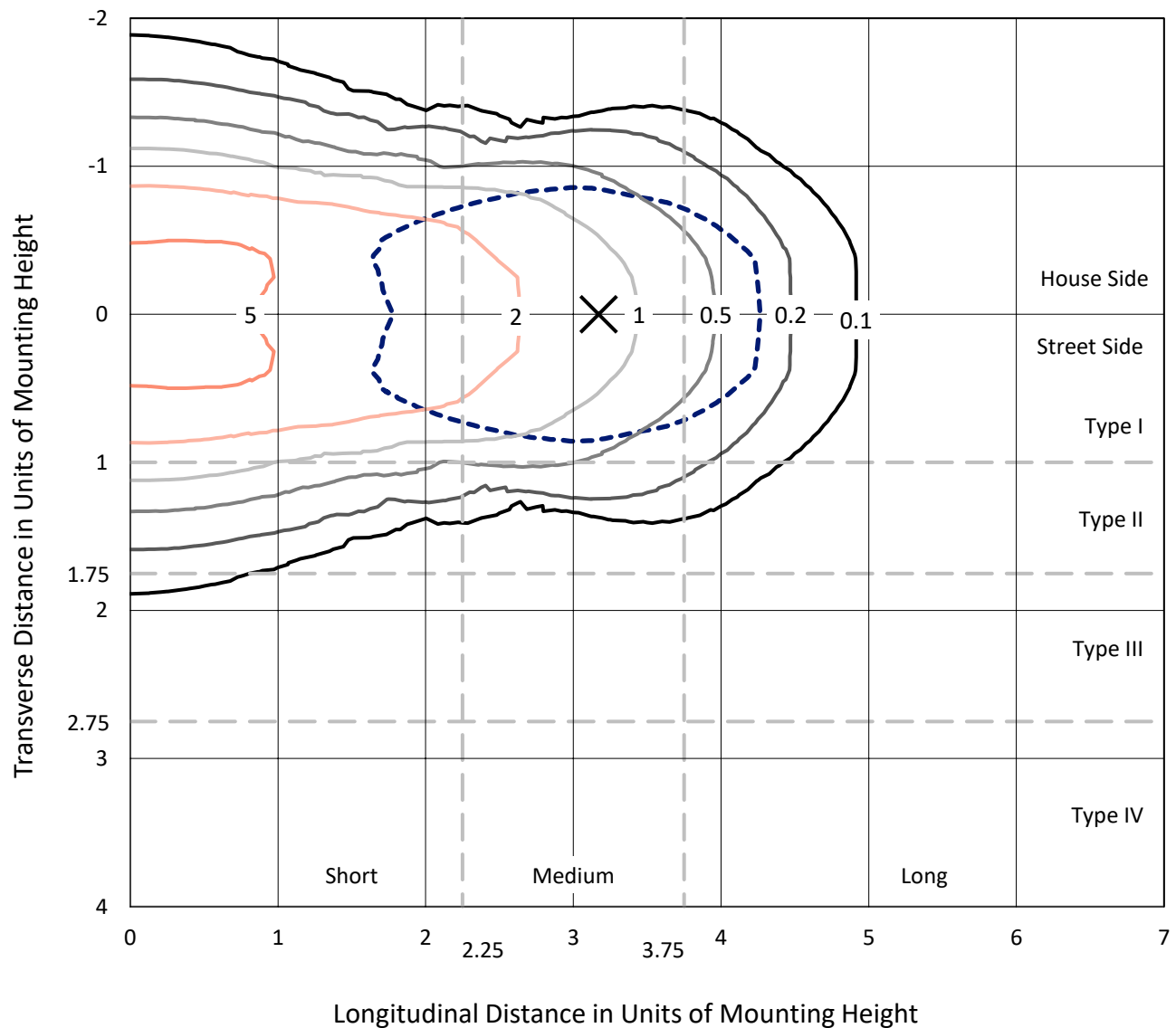


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Iso-Footcandle Lines of Horizontal Illumination

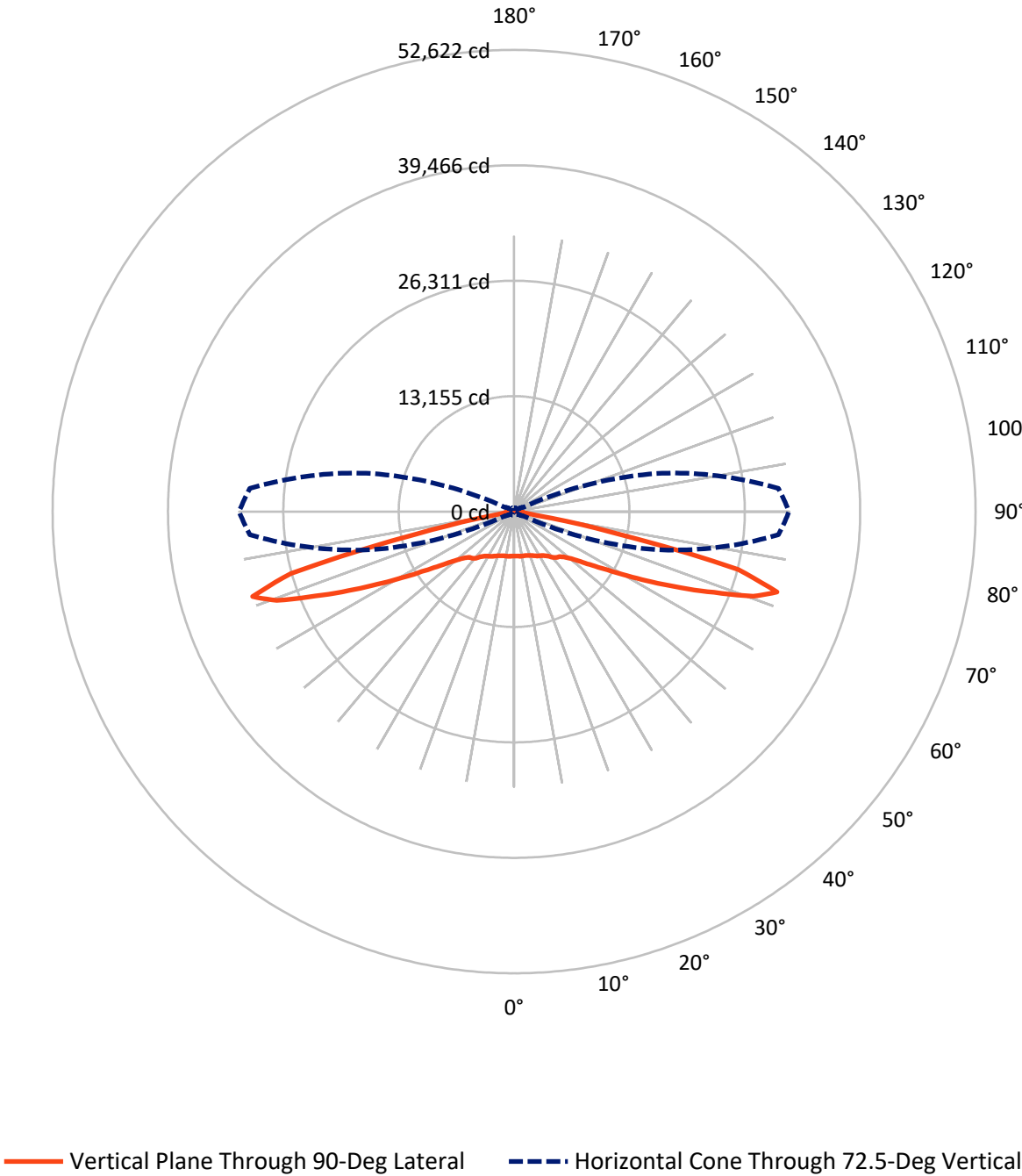
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13559.5	0.0	13559.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13559.5	0.0	13559.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27119.0	0.0	27119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.4	1.8
10°-20°	1502.4	5.5
20°-30°	2505.1	9.2
30°-40°	3445.2	12.7
40°-50°	4207.6	15.5
50°-60°	4866.5	17.9
60°-70°	5802.5	21.4
70°-80°	4049.8	14.9
80°-90°	248.7	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°	27119.0	100.0
0°-180°	27119.0	100.0

Coefficient of Utilization



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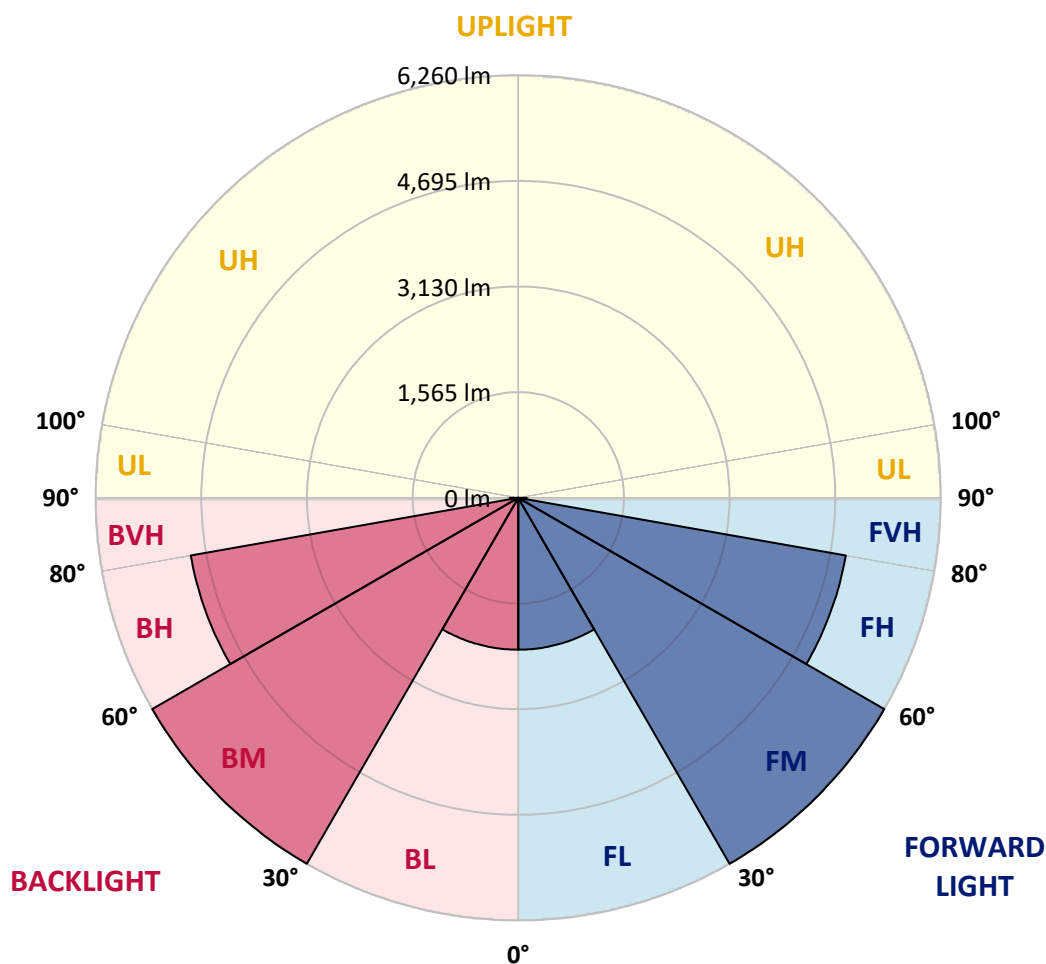
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2249.4	8.3			
FM	(30°-60°)	6259.6	23.1			
FH	(60°-80°)	4926.1	18.2			G2/5000
FVH	(80°-90°)	124.4	0.5			G2/225
BL	(0°-30°)	2249.4	8.3	B3/2500		
BM	(30°-60°)	6259.6	23.1	B4/8500		
BH	(60°-80°)	4926.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	124.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5067.5	5067.5	5067.5	5067.5	5067.5	5067.5	5067.5	5067.5	5067.5	5067.5
2.5°	5071.8	5077.6	5077.6	5073.2	5083.3	5074.7	5074.7	5070.4	5074.7	5070.4
5°	5097.7	5104.9	5107.8	5106.4	5119.4	5112.2	5112.2	5106.4	5107.8	5103.5
7.5°	5146.7	5156.8	5162.6	5169.8	5188.5	5179.9	5174.1	5156.8	5149.6	5138.1
10°	5162.6	5174.1	5192.9	5230.3	5273.6	5275.0	5257.7	5214.5	5181.3	5155.4
12.5°	5113.6	5129.4	5168.4	5244.7	5341.3	5380.2	5352.8	5280.8	5215.9	5169.8
15°	5051.6	5068.9	5128.0	5243.3	5386.0	5476.8	5473.9	5378.8	5275.0	5202.9
17.5°	4955.1	4972.3	5057.4	5218.8	5420.6	5570.5	5610.8	5512.8	5367.3	5270.7
20°	4780.7	4796.5	4914.7	5141.0	5432.1	5669.9	5775.1	5688.7	5507.1	5375.9
22.5°	4554.4	4578.9	4717.2	5006.9	5404.7	5773.7	5962.5	5903.4	5669.9	5488.3
25°	4312.3	4338.2	4499.6	4842.6	5334.1	5848.6	6184.4	6147.0	5854.4	5628.1
27.5°	4103.3	4130.7	4306.5	4679.8	5224.6	5877.5	6403.5	6422.3	6077.8	5782.3
30°	3939.0	3964.9	4152.3	4548.6	5083.3	5848.6	6595.2	6724.9	6305.5	5916.4
32.5°	3758.8	3792.0	3989.4	4388.6	4916.1	5779.5	6762.4	7052.1	6569.3	6060.5
35°	3531.1	3561.4	3768.9	4169.6	4697.1	5668.5	6902.2	7415.3	6946.9	6279.6
37.5°	3254.4	3283.2	3489.3	3895.7	4479.4	5512.8	7008.8	7824.6	7396.5	6595.2
40°	2976.2	3003.6	3196.7	3590.2	4218.6	5313.9	7046.3	8225.3	7912.5	7029.0
42.5°	2721.1	2745.6	2922.9	3289.0	3926.0	5060.3	6997.3	8574.1	8375.2	7331.7
45°	2486.2	2507.8	2664.9	3006.5	3621.9	4751.8	6850.3	8948.8	8925.7	7547.9
47.5°	2218.1	2239.7	2402.6	2732.6	3317.8	4390.1	6601.0	9317.7	9691.0	8037.9
50°	1890.9	1909.7	2076.9	2417.0	3002.1	4005.3	6255.1	9607.4	10656.7	8780.2
52.5°	1503.2	1523.4	1686.3	2026.4	2627.4	3591.6	5799.6	9796.2	11772.2	9864.0
55°	1118.4	1132.8	1274.1	1579.6	2163.3	3120.3	5228.9	9849.6	13037.6	11345.6
57.5°	811.4	820.1	910.9	1138.6	1640.2	2530.9	4535.6	9711.2	14543.8	13245.2
60°	657.2	660.1	687.5	788.4	1140.0	1865.0	3698.3	9235.6	16178.1	15693.9
62.5°	596.7	596.7	603.9	631.3	771.1	1230.8	2685.1	8249.8	17930.7	18788.3
65°	554.9	554.9	557.8	570.7	608.2	784.0	1694.9	6644.2	19408.0	22413.0
67.5°	517.4	518.9	517.4	521.7	543.4	579.4	982.9	4589.0	20203.6	26169.0
70°	478.5	481.4	474.2	474.2	491.5	492.9	615.4	2516.4	19543.5	29316.7
72.5°	432.4	436.7	425.2	422.3	435.3	429.5	462.6	1207.8	16779.2	30256.4
75°	392.0	397.8	371.8	364.6	364.6	360.3	376.2	619.7	10890.2	24681.6
77.5°	356.0	367.5	325.7	302.7	296.9	283.9	307.0	379.1	4763.4	11587.7
80°	294.0	309.9	268.1	240.7	230.6	216.2	242.1	265.2	1416.8	2690.8
82.5°	219.1	226.3	190.2	171.5	162.9	152.8	181.6	184.5	461.2	952.7
85°	139.8	142.7	116.7	100.9	96.6	92.2	115.3	100.9	175.8	700.5
87.5°	49.0	56.2	44.7	40.4	43.2	36.0	53.3	30.3	49.0	494.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5067.5
5070.4
5103.5
5138.1
5151.1
5162.6
5191.4
5254.8
5351.4
5455.2
5582.0
5733.3
5845.8
5971.1
6180.1
6462.6
6887.8
7150.1
7302.9
7755.4
8425.6
9427.3
10799.4
12557.7
14827.7
17628.1
20945.8
24585.0
28900.2
31351.7
26399.6
11347.0
2577.0
1076.6
1017.5
612.5
0.0

OF REPORT)