

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: P948716

Luminaire Tested: **GLAN-SB3C-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948716
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-SB3C-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17062 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 149.1
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

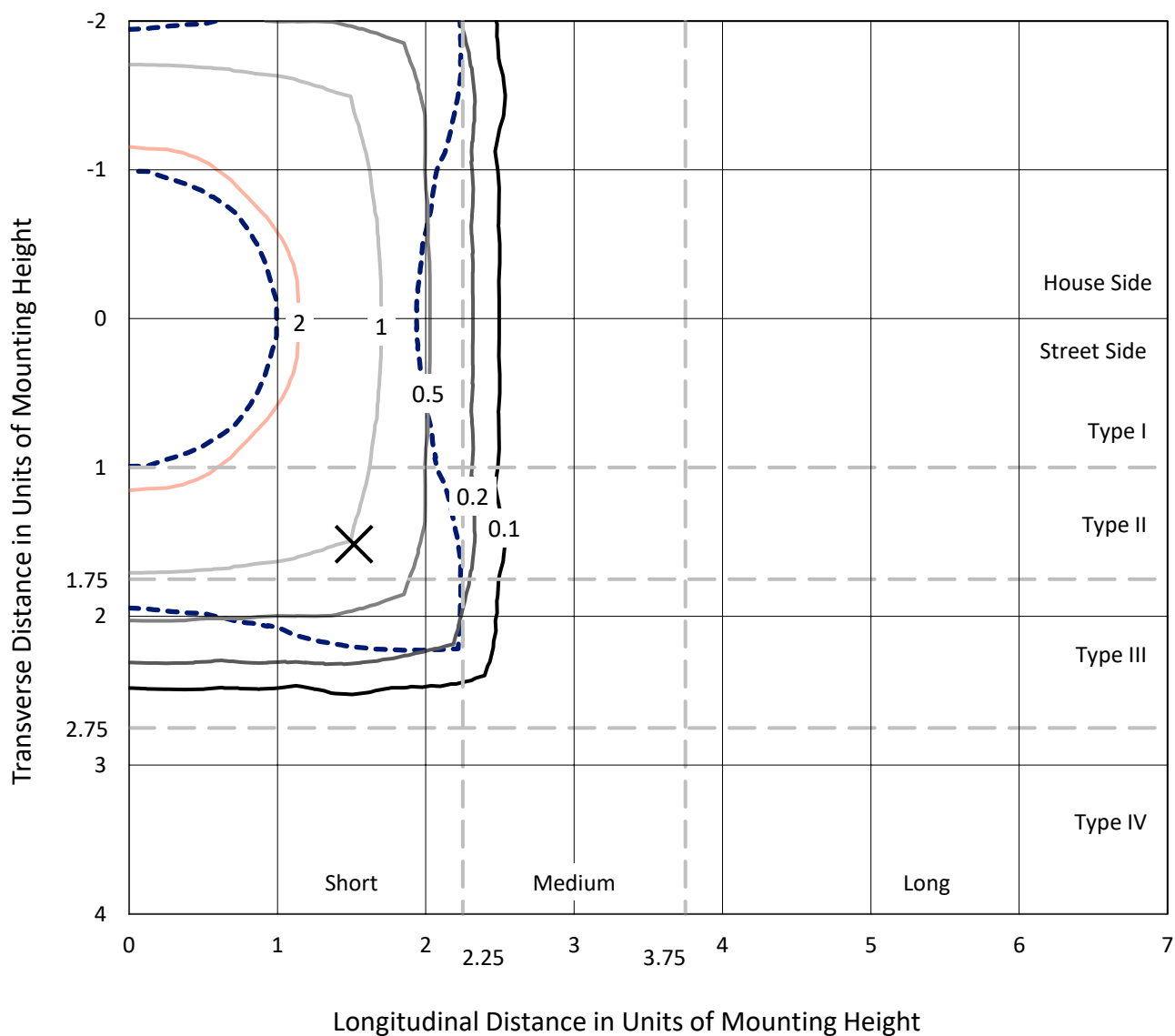


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

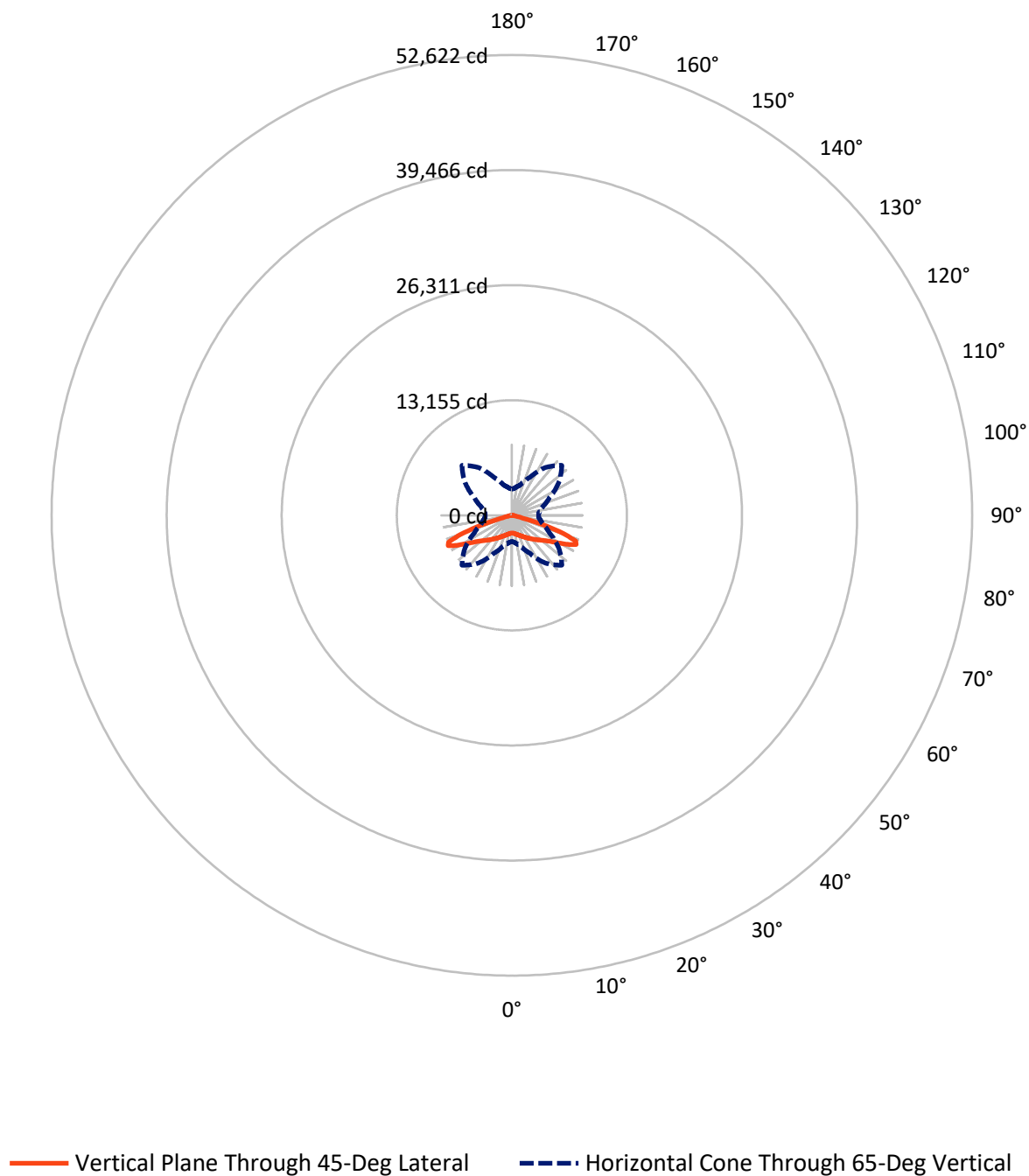


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8531.0	0.0	8531.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8531.0	0.0	8531.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17062.0	0.0	17062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	1.2
10°-20°	653.9	3.8
20°-30°	1234.7	7.2
30°-40°	2021.7	11.8
40°-50°	3134.6	18.4
50°-60°	4630.5	27.1
60°-70°	4407.8	25.8
70°-80°	711.3	4.2
80°-90°	67.1	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°	17062.0	100.0
0°-180°	17062.0	100.0

Coefficient of Utilization



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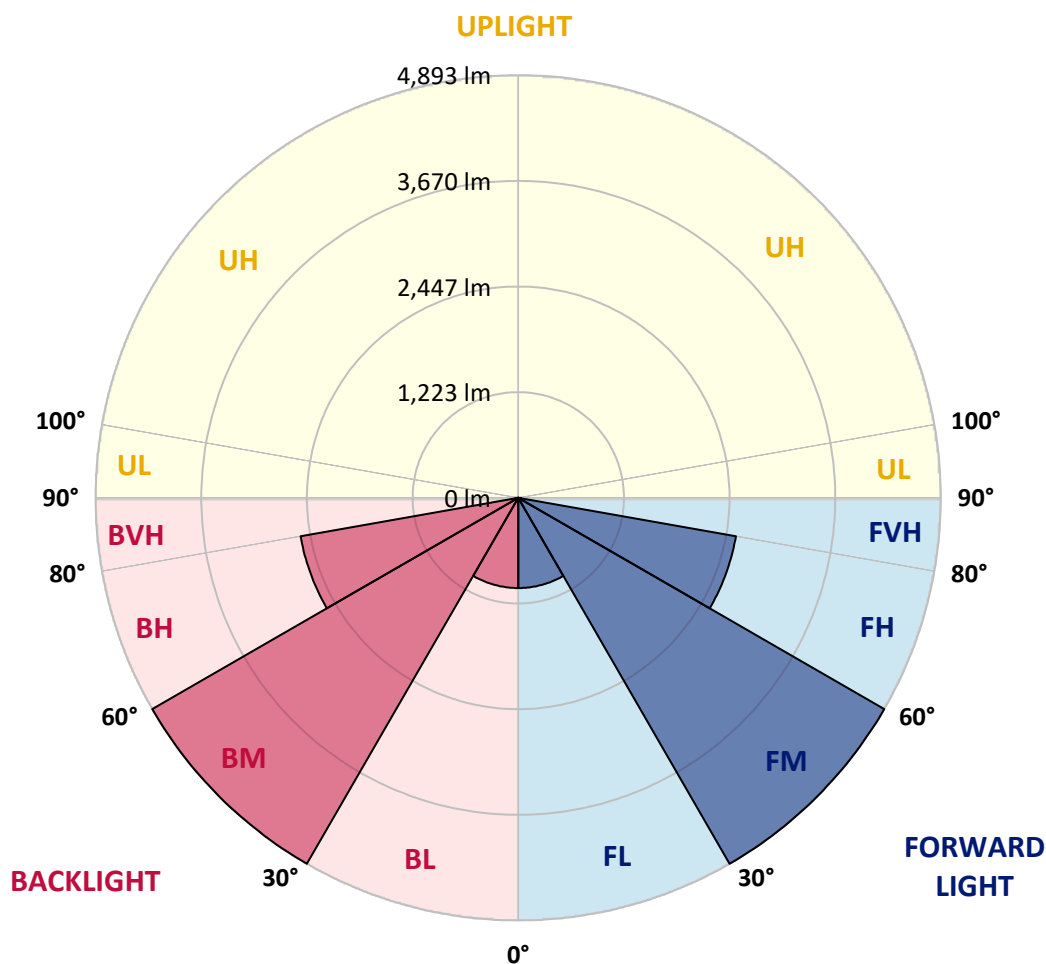
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1044.5	6.1			
FM	(30°-60°)	4893.4	28.7			
FH	(60°-80°)	2559.6	15.0			G2/5000
FVH	(80°-90°)	33.5	0.2			G1/100
BL	(0°-30°)	1044.5	6.1	B3/2500		
BM	(30°-60°)	4893.4	28.7	B3/5000		
BH	(60°-80°)	2559.6	15.0	B4/5000		G2/5000
BVH	(80°-90°)	33.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2030.5	2030.5	2030.5	2030.5	2030.5	2030.5	2030.5	2030.5	2030.5	2030.5
2.5°	2044.2	2037.4	2042.5	2038.3	2034.8	2031.4	2033.1	2039.1	2041.7	2042.5
5°	2071.6	2065.6	2068.2	2068.2	2062.2	2060.5	2061.4	2065.6	2070.8	2070.8
7.5°	2116.2	2110.2	2116.2	2112.7	2107.6	2105.9	2105.0	2108.4	2116.2	2116.2
10°	2170.1	2163.2	2166.7	2164.9	2159.0	2156.4	2155.5	2160.7	2167.5	2166.7
12.5°	2229.2	2221.4	2225.7	2220.6	2218.9	2216.3	2216.3	2215.5	2219.7	2216.3
15°	2295.1	2289.9	2291.6	2288.2	2290.8	2289.1	2282.2	2278.8	2280.5	2275.4
17.5°	2373.0	2361.0	2367.0	2365.3	2365.3	2368.7	2357.6	2353.3	2356.7	2351.6
20°	2462.9	2450.9	2453.4	2450.0	2445.7	2449.2	2435.5	2438.9	2441.5	2438.0
22.5°	2561.3	2545.9	2545.0	2546.7	2537.3	2538.2	2528.8	2537.3	2542.5	2533.0
25°	2662.3	2646.0	2657.2	2652.9	2640.9	2643.5	2636.6	2645.2	2649.5	2637.5
27.5°	2769.3	2758.2	2768.5	2771.0	2756.5	2766.8	2756.5	2764.2	2768.5	2750.5
30°	2894.3	2883.2	2892.6	2899.4	2882.3	2898.6	2890.0	2895.2	2896.0	2874.6
32.5°	3030.4	3013.3	3037.3	3040.7	3021.9	3041.5	3030.4	3037.3	3041.5	3012.4
35°	3196.5	3175.1	3202.5	3198.2	3181.9	3198.2	3187.9	3198.2	3208.5	3173.4
37.5°	3375.4	3353.1	3382.3	3374.5	3359.1	3370.3	3364.3	3371.1	3387.4	3349.7
40°	3572.3	3544.9	3584.3	3570.6	3556.0	3554.3	3557.7	3562.0	3583.4	3541.5
42.5°	3782.9	3753.8	3812.8	3791.4	3770.9	3757.2	3768.3	3776.9	3797.4	3750.4
45°	4023.4	3990.0	4067.1	4041.4	4008.9	3980.6	3998.6	4011.4	4041.4	3984.9
47.5°	4288.8	4251.1	4333.3	4325.6	4272.5	4210.9	4252.0	4288.8	4311.1	4242.6
50°	4548.2	4519.1	4626.9	4636.4	4571.3	4484.8	4542.2	4597.8	4603.8	4513.9
52.5°	4791.3	4762.2	4918.9	4977.9	4919.7	4817.0	4877.8	4934.3	4888.9	4772.5
55°	4985.6	4961.7	5161.1	5313.5	5333.2	5248.4	5284.4	5282.7	5133.7	4954.8
57.5°	5032.7	5029.3	5281.0	5603.7	5809.1	5819.4	5748.4	5566.9	5245.9	5005.3
60°	4818.7	4840.1	5185.9	5755.2	6303.1	6530.8	6223.5	5705.6	5118.3	4784.5
62.5°	4178.4	4234.9	4651.8	5570.3	6702.0	7349.2	6604.4	5495.0	4594.4	4158.7
65°	2994.5	3092.9	3553.5	4753.6	6666.1	8068.3	6549.6	4715.1	3587.7	3085.2
67.5°	1358.6	1458.7	1849.9	3254.7	5794.6	7873.1	5780.9	3288.9	1942.4	1463.8
70°	492.2	509.3	635.2	1302.9	3703.3	6273.1	3861.6	1312.3	675.4	542.7
72.5°	297.9	300.5	327.0	466.5	1286.6	3808.6	1341.4	482.0	333.9	296.2
75°	189.2	187.5	232.8	285.1	456.3	1284.9	478.5	285.1	232.0	211.4
77.5°	136.1	140.4	166.9	213.2	287.6	435.7	282.5	203.7	166.9	137.0
80°	101.9	104.4	121.6	166.1	202.0	271.4	179.8	150.7	125.8	85.6
82.5°	73.6	73.6	79.6	120.7	123.3	146.4	97.6	106.2	83.0	60.8
85°	43.7	42.8	49.7	71.9	64.2	53.9	44.5	65.1	52.2	37.7
87.5°	15.4	16.3	15.4	20.5	17.1	14.6	13.7	18.0	14.6	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2030.5
2042.5
2070.8
2113.6
2164.9
2218.0
2276.2
2355.8
2445.7
2542.5
2651.2
2764.2
2887.5
3032.1
3194.8
3372.8
3555.2
3775.2
4014.0
4265.7
4525.1
4775.9
4960.8
4989.9
4745.1
4133.0
3048.4
1442.4
535.9
301.3
213.2
139.5
88.2
60.8
36.8
12.0
0.0