

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: P848091

Luminaire Tested: **GLAN-SB4C-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848091
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-SB4C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29327 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

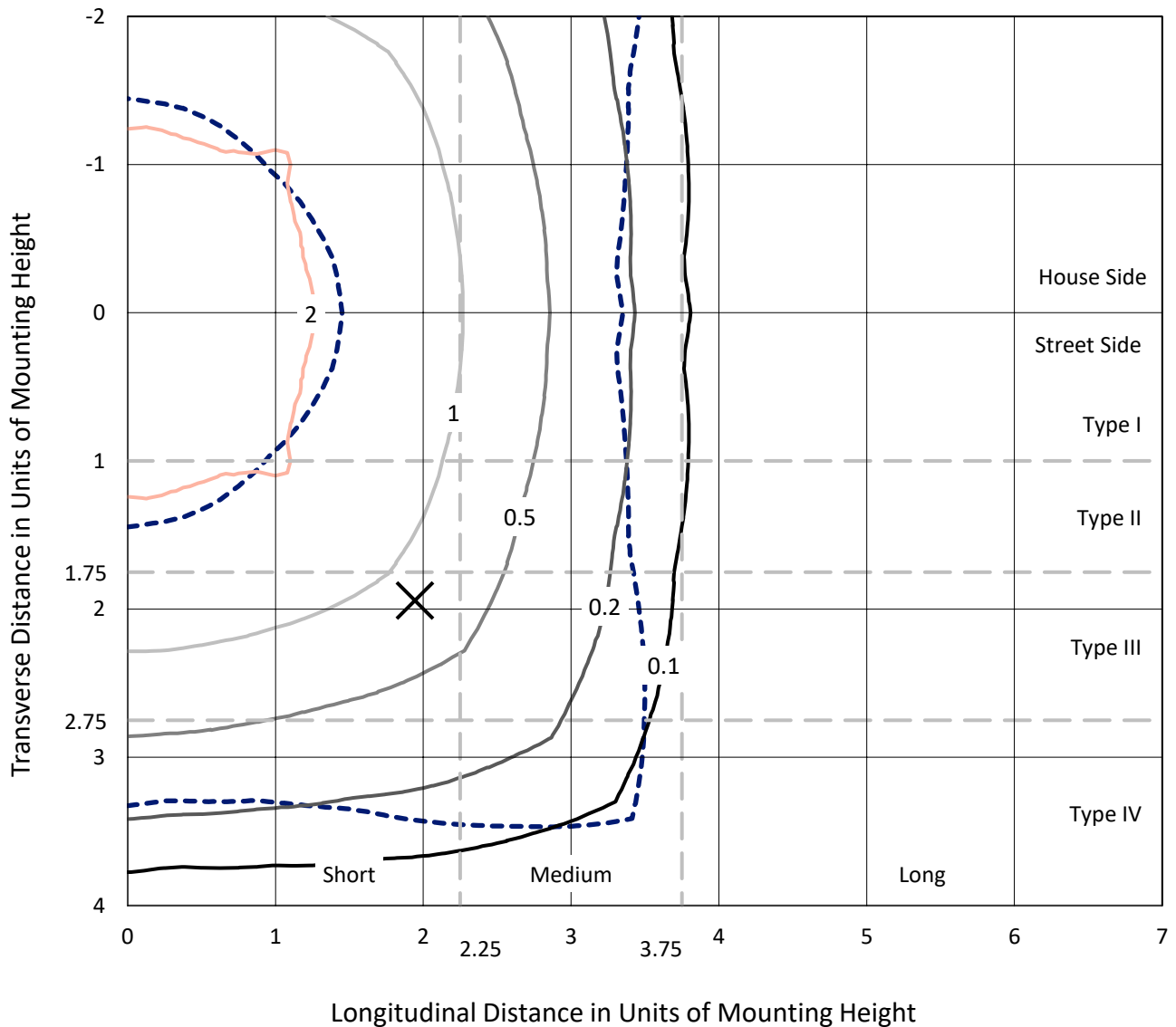
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

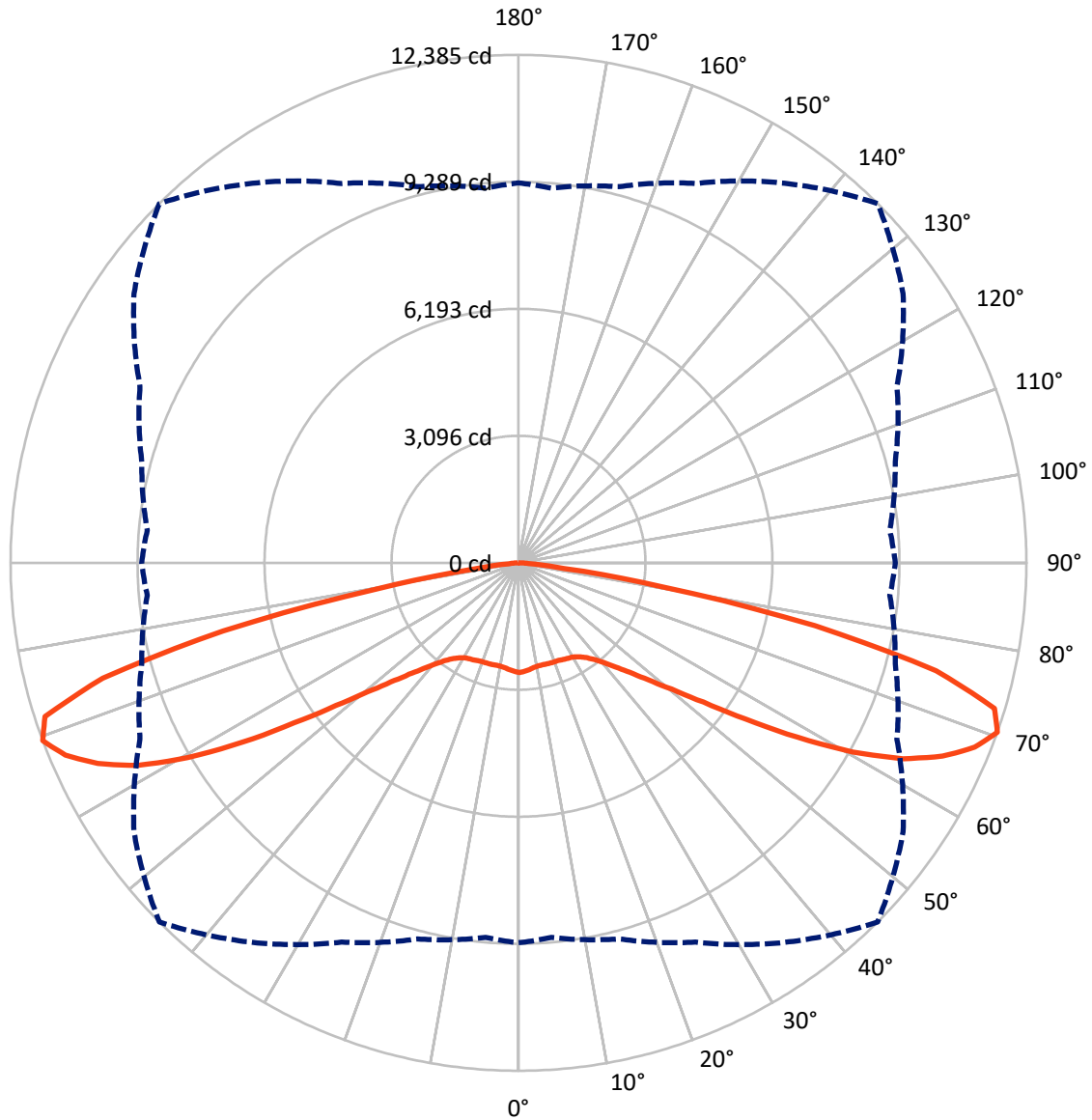
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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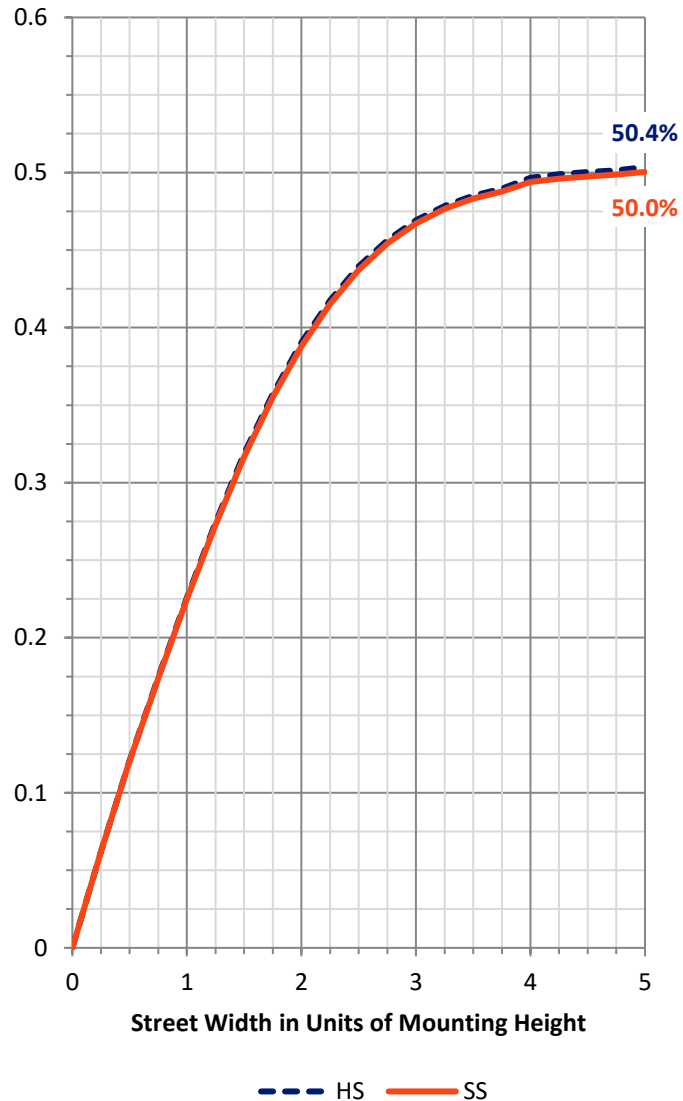
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14663.5	0.0	14663.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14663.5	0.0	14663.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29327.0	0.0	29327.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	0.8
10°-20°	730.7	2.5
20°-30°	1216.0	4.1
30°-40°	1839.0	6.3
40°-50°	3055.9	10.4
50°-60°	5766.4	19.7
60°-70°	9736.8	33.2
70°-80°	6398.1	21.8
80°-90°	335.2	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°	29327.0	100.0
0°-180°	29327.0	100.0

Coefficient of Utilization



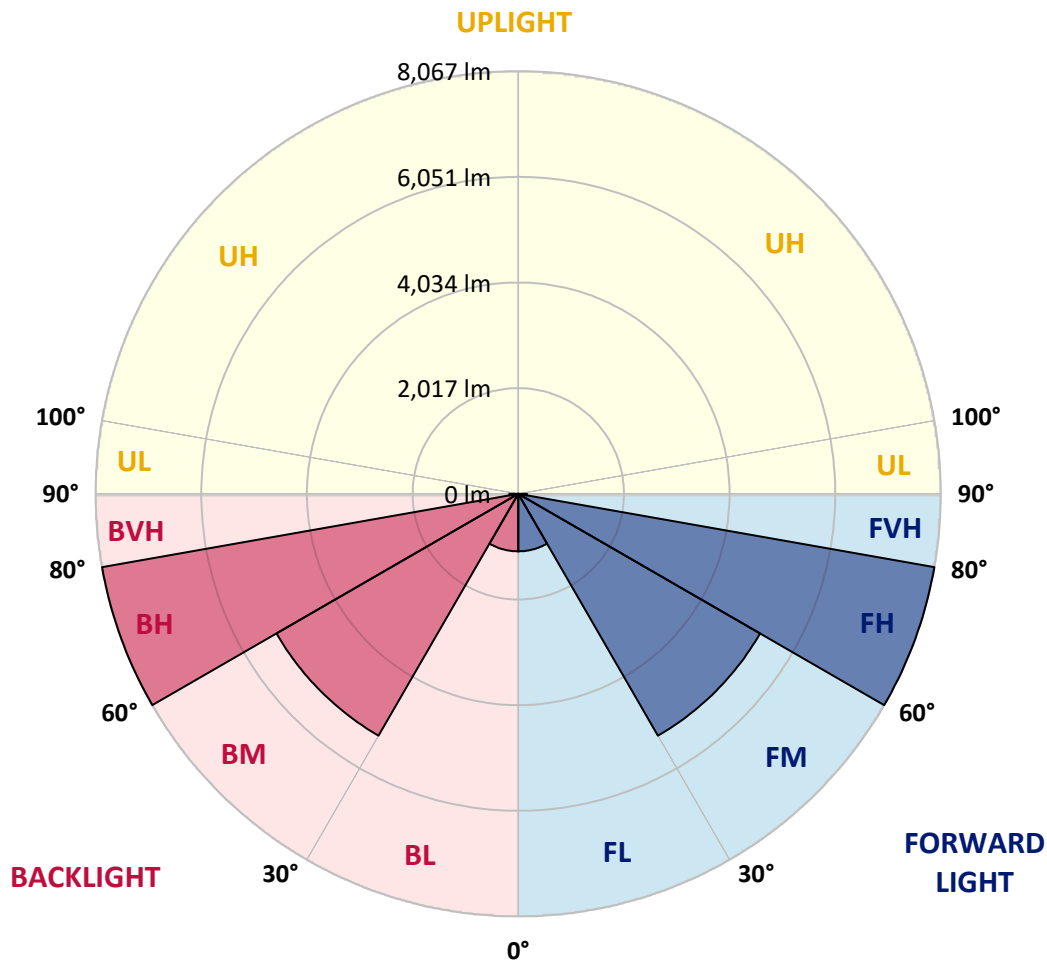
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1097.8	3.7			
FM (30°-60°)	5330.7	18.2			
FH (60°-80°)	8067.5	27.5			G4/12000
FVH (80°-90°)	167.6	0.6			G2/225
BL (0°-30°)	1097.8	3.7	B3/2500		
BM (30°-60°)	5330.7	18.2	B4/8500		
BH (60°-80°)	8067.5	27.5	B5		G4/12000
BVH (80°-90°)	167.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2	2675.2
2.5°	2658.4	2666.1	2663.0	2656.9	2656.9	2652.3	2656.9	2660.0	2664.5	2667.6
5°	2623.4	2629.5	2628.0	2623.4	2624.9	2620.3	2623.4	2628.0	2631.0	2632.5
7.5°	2592.9	2599.0	2595.9	2588.3	2588.3	2583.8	2585.3	2589.8	2594.4	2595.9
10°	2585.3	2591.4	2582.2	2570.0	2565.5	2559.4	2560.9	2565.5	2574.6	2579.2
12.5°	2588.3	2592.9	2583.8	2565.5	2560.9	2554.8	2554.8	2559.4	2571.6	2577.7
15°	2597.5	2602.0	2588.3	2568.5	2563.9	2559.4	2557.8	2563.9	2577.7	2588.3
17.5°	2614.2	2618.8	2597.5	2570.0	2563.9	2565.5	2563.9	2568.5	2589.8	2609.7
20°	2629.5	2632.5	2603.6	2570.0	2563.9	2565.5	2563.9	2573.1	2600.5	2628.0
22.5°	2634.1	2637.1	2609.7	2580.7	2576.1	2577.7	2576.1	2585.3	2611.2	2638.6
25°	2635.6	2640.2	2618.8	2595.9	2603.6	2606.6	2603.6	2605.1	2624.9	2649.3
27.5°	2658.4	2664.5	2644.7	2624.9	2629.5	2628.0	2632.5	2637.1	2652.3	2676.7
30°	2705.7	2710.3	2693.5	2673.7	2670.6	2660.0	2673.7	2688.9	2705.7	2727.0
32.5°	2783.4	2792.6	2771.2	2749.9	2736.2	2730.1	2740.8	2766.7	2789.5	2812.4
35°	2913.0	2919.1	2899.3	2859.7	2835.3	2835.3	2844.4	2877.9	2914.5	2943.5
37.5°	3095.9	3103.6	3068.5	3021.2	2984.7	2984.7	2996.8	3031.9	3086.8	3127.9
40°	3318.5	3329.2	3284.9	3236.2	3201.1	3195.0	3210.3	3249.9	3301.7	3353.5
42.5°	3586.8	3599.0	3541.0	3498.4	3470.9	3470.9	3478.5	3515.1	3562.4	3626.4
45°	3929.7	3951.1	3871.8	3829.1	3803.2	3809.3	3813.9	3845.9	3888.6	3961.8
47.5°	4338.3	4359.6	4275.8	4231.6	4227.0	4256.0	4237.7	4260.5	4283.4	4367.2
50°	4801.7	4838.2	4780.3	4777.3	4786.4	4839.8	4797.1	4809.3	4783.4	4836.7
52.5°	5368.7	5422.1	5411.4	5429.7	5531.8	5641.6	5544.0	5501.3	5403.8	5420.5
55°	6056.2	6137.0	6152.2	6262.0	6493.7	6717.8	6510.4	6338.2	6130.9	6092.8
57.5°	6838.2	6902.2	6975.4	7199.4	7632.4	8030.2	7632.4	7251.3	6925.1	6847.3
60°	7679.6	7758.9	7829.0	8159.8	8803.1	9362.5	8790.9	8185.7	7754.3	7649.1
62.5°	8583.5	8685.7	8734.5	9101.8	9851.8	10519.5	9862.5	9129.3	8650.6	8537.8
65°	9450.9	9534.7	9589.6	9981.4	10697.8	11367.0	10746.6	10024.0	9531.7	9383.8
67.5°	9854.8	9900.6	10034.7	10478.3	11234.4	11998.1	11362.4	10525.6	9975.3	9716.1
70°	9263.4	9170.4	9493.6	10203.9	11298.4	12385.2	11444.7	10182.6	9508.8	9088.1
72.5°	7158.3	6998.2	7559.2	8774.1	10566.7	12138.3	10639.9	8842.7	7908.3	7054.6
75°	3894.7	3713.3	4487.7	6024.2	8426.5	10521.0	8620.1	6196.4	4996.8	3865.7
77.5°	1099.0	1030.5	1655.4	2914.5	5068.4	7386.9	5263.5	2978.6	1963.3	1164.6
80°	336.9	326.2	442.1	878.0	2152.4	3538.0	2068.5	888.7	562.5	355.2
82.5°	199.7	182.9	219.5	320.1	548.8	1111.2	533.5	333.8	268.3	179.9
85°	114.3	106.7	129.6	155.5	184.4	236.3	154.0	158.5	143.3	96.0
87.5°	47.3	42.7	50.3	48.8	42.7	54.9	41.2	48.8	57.9	38.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2675.2
2666.1
2632.5
2595.9
2579.2
2579.2
2589.8
2609.7
2629.5
2638.6
2647.8
2670.6
2722.5
2803.3
2932.8
3112.7
3336.8
3621.8
3958.7
4342.8
4804.7
5364.1
6033.3
6792.4
7557.7
8446.4
9310.7
9719.2
9188.7
7266.5
4117.2
1294.2
375.0
195.1
100.6
35.1
0.0

OF REPORT)