

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: P848771

Luminaire Tested: **GLAN-SB5C-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848771
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-SB5C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 36964 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

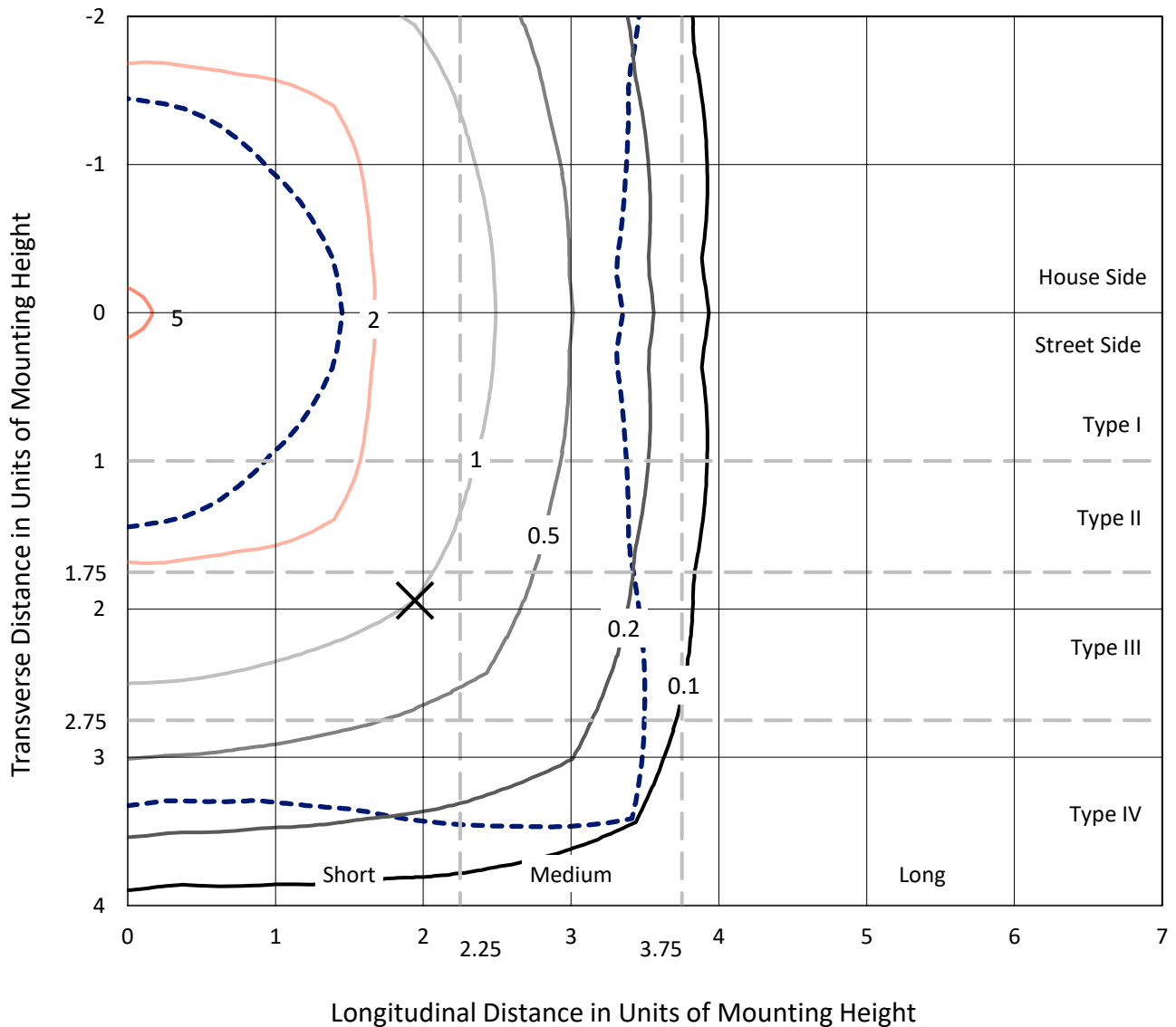
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

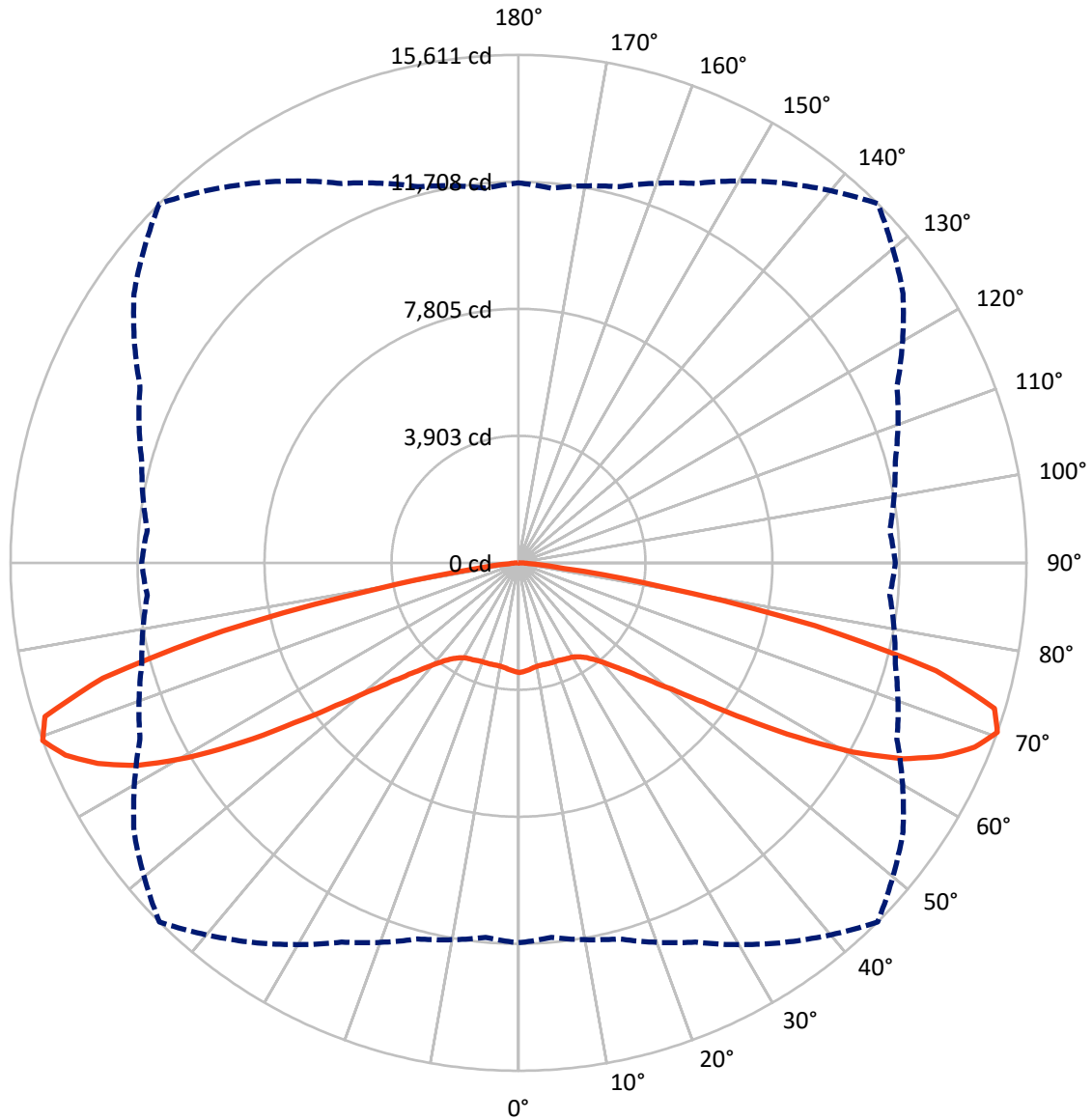
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	18482.0	0.0	18482.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18482.0	0.0	18482.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36964.0	0.0	36964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.7	0.8
10°-20°	921.0	2.5
20°-30°	1532.7	4.1
30°-40°	2317.8	6.3
40°-50°	3851.7	10.4
50°-60°	7268.0	19.7
60°-70°	12272.4	33.2
70°-80°	8064.2	21.8
80°-90°	422.5	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°	36964.0	100.0
0°-180°	36964.0	100.0

Coefficient of Utilization

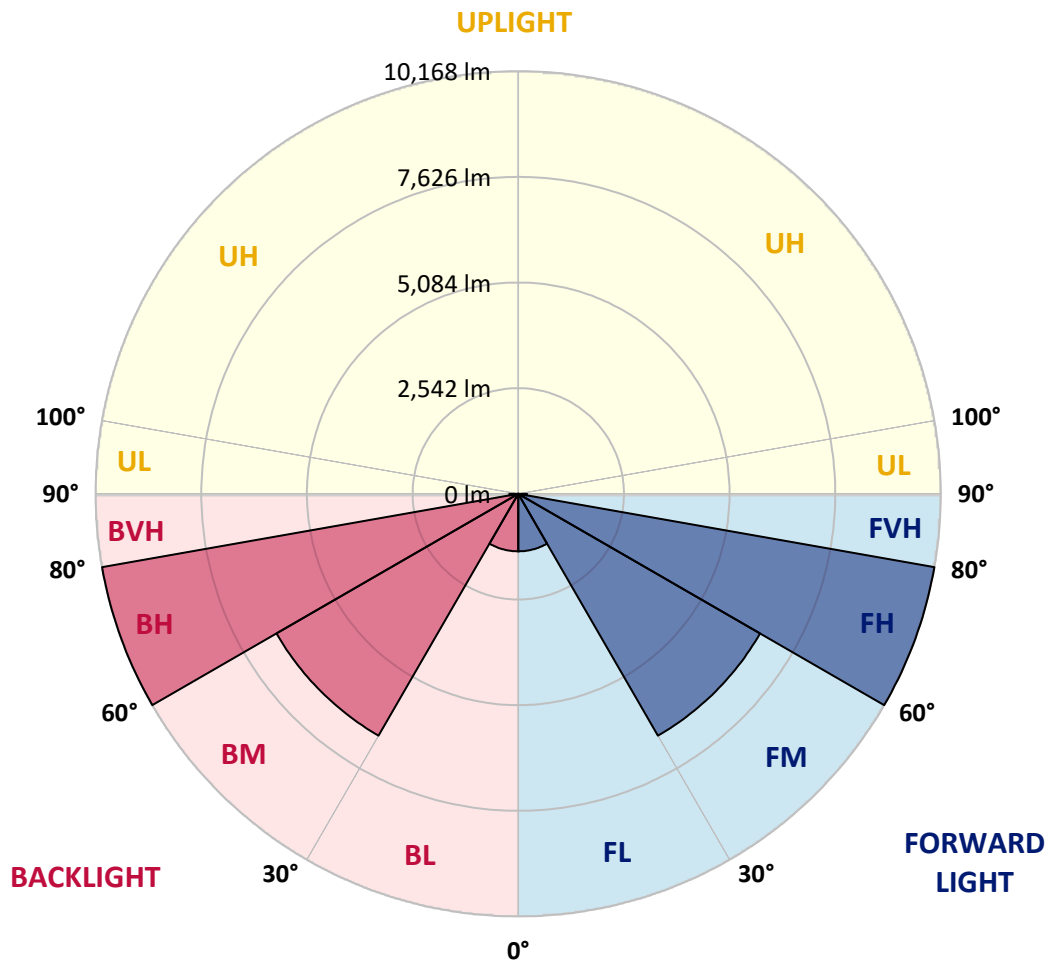


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1383.7	3.7			
FM (30°-60°)	6718.8	18.2			
FH (60°-80°)	10168.3	27.5			G4/12000
FVH (80°-90°)	211.2	0.6			G2/225
BL (0°-30°)	1383.7	3.7	B3/2500		
BM (30°-60°)	6718.8	18.2	B4/8500		
BH (60°-80°)	10168.3	27.5	B5		G4/12000
BVH (80°-90°)	211.2	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°	3371.9	3371.9	3371.9	3371.9	3371.9	3371.9	3371.9	3371.9	3371.9	3371.9
2.5°	3350.7	3360.3	3356.5	3348.8	3348.8	3343.0	3348.8	3352.6	3358.4	3362.3
5°	3306.5	3314.2	3312.3	3306.5	3308.5	3302.7	3306.5	3312.3	3316.1	3318.1
7.5°	3268.1	3275.8	3272.0	3262.3	3262.3	3256.6	3258.5	3264.3	3270.0	3272.0
10°	3258.5	3266.2	3254.7	3239.3	3233.5	3225.8	3227.8	3233.5	3245.1	3250.8
12.5°	3262.3	3268.1	3256.6	3233.5	3227.8	3220.1	3220.1	3225.8	3241.2	3248.9
15°	3273.9	3279.6	3262.3	3237.4	3231.6	3225.8	3223.9	3231.6	3248.9	3262.3
17.5°	3295.0	3300.8	3273.9	3239.3	3231.6	3233.5	3231.6	3237.4	3264.3	3289.2
20°	3314.2	3318.1	3281.6	3239.3	3231.6	3233.5	3231.6	3243.1	3277.7	3312.3
22.5°	3320.0	3323.8	3289.2	3252.7	3247.0	3248.9	3247.0	3258.5	3291.2	3325.8
25°	3321.9	3327.7	3300.8	3272.0	3281.6	3285.4	3281.6	3283.5	3308.5	3339.2
27.5°	3350.7	3358.4	3333.4	3308.5	3314.2	3312.3	3318.1	3323.8	3343.0	3373.8
30°	3410.3	3416.1	3394.9	3369.9	3366.1	3352.6	3369.9	3389.2	3410.3	3437.2
32.5°	3508.3	3519.8	3492.9	3466.0	3448.7	3441.0	3454.5	3487.1	3516.0	3544.8
35°	3671.6	3679.3	3654.3	3604.3	3573.6	3573.6	3585.1	3627.4	3673.5	3710.0
37.5°	3902.1	3911.7	3867.6	3808.0	3761.9	3761.9	3777.3	3821.4	3890.6	3942.5
40°	4182.6	4196.1	4140.4	4078.9	4034.7	4027.0	4046.2	4096.2	4161.5	4226.8
42.5°	4520.8	4536.2	4463.2	4409.4	4374.8	4374.8	4384.4	4430.5	4490.1	4570.7
45°	4953.1	4980.0	4880.1	4826.3	4793.6	4801.3	4807.1	4847.4	4901.2	4993.4
47.5°	5468.0	5494.9	5389.2	5333.5	5327.7	5364.2	5341.2	5370.0	5398.8	5504.5
50°	6052.1	6098.2	6025.2	6021.3	6032.8	6100.1	6046.3	6061.7	6029.0	6096.2
52.5°	6766.8	6834.0	6820.6	6843.6	6972.4	7110.7	6987.7	6933.9	6811.0	6832.1
55°	7633.3	7735.1	7754.3	7892.7	8184.7	8467.1	8205.8	7988.7	7727.4	7679.4
57.5°	8618.9	8699.6	8791.8	9074.2	9619.9	10121.3	9619.9	9139.6	8728.4	8630.4
60°	9679.5	9779.4	9867.7	10284.7	11095.4	11800.6	11080.1	10317.3	9773.6	9641.0
62.5°	10818.8	10947.5	11009.0	11472.0	12417.3	13258.8	12430.7	11506.6	10903.3	10761.1
65°	11912.0	12017.7	12086.8	12580.6	13483.6	14327.0	13545.1	12634.4	12013.8	11827.5
67.5°	12421.1	12478.8	12647.8	13206.9	14159.9	15122.5	14321.3	13266.5	12572.9	12246.3
70°	11675.7	11558.5	11965.8	12861.1	14240.6	15610.5	14425.0	12834.2	11985.0	11454.7
72.5°	9022.4	8820.6	9527.7	11058.9	13318.4	15299.2	13410.6	11145.4	9967.6	8891.7
75°	4908.9	4680.3	5656.3	7592.9	10620.9	13260.7	10864.9	7810.0	6298.0	4872.4
77.5°	1385.2	1298.8	2086.5	3673.5	6388.3	9310.6	6634.2	3754.2	2474.6	1467.9
80°	424.6	411.2	557.2	1106.7	2712.9	4459.3	2607.2	1120.1	709.0	447.7
82.5°	251.7	230.6	276.7	403.5	691.7	1400.6	672.5	420.8	338.1	226.7
85°	144.1	134.5	163.3	196.0	232.5	297.8	194.1	199.8	180.6	121.0
87.5°	59.6	53.8	63.4	61.5	53.8	69.2	51.9	61.5	73.0	48.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3371.9
3360.3
3318.1
3272.0
3250.8
3250.8
3264.3
3289.2
3314.2
3325.8
3337.3
3366.1
3431.4
3533.2
3696.6
3923.3
4205.7
4565.0
4989.6
5473.8
6055.9
6761.0
7604.5
8561.3
9525.7
10645.9
11735.2
12250.1
11581.5
9158.8
5189.4
1631.2
472.6
245.9
126.8
44.2
0.0

OF REPORT)