

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: P850241

Luminaire Tested: **GLAN-SB7C-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850241
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-SB7C-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 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: 36345 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

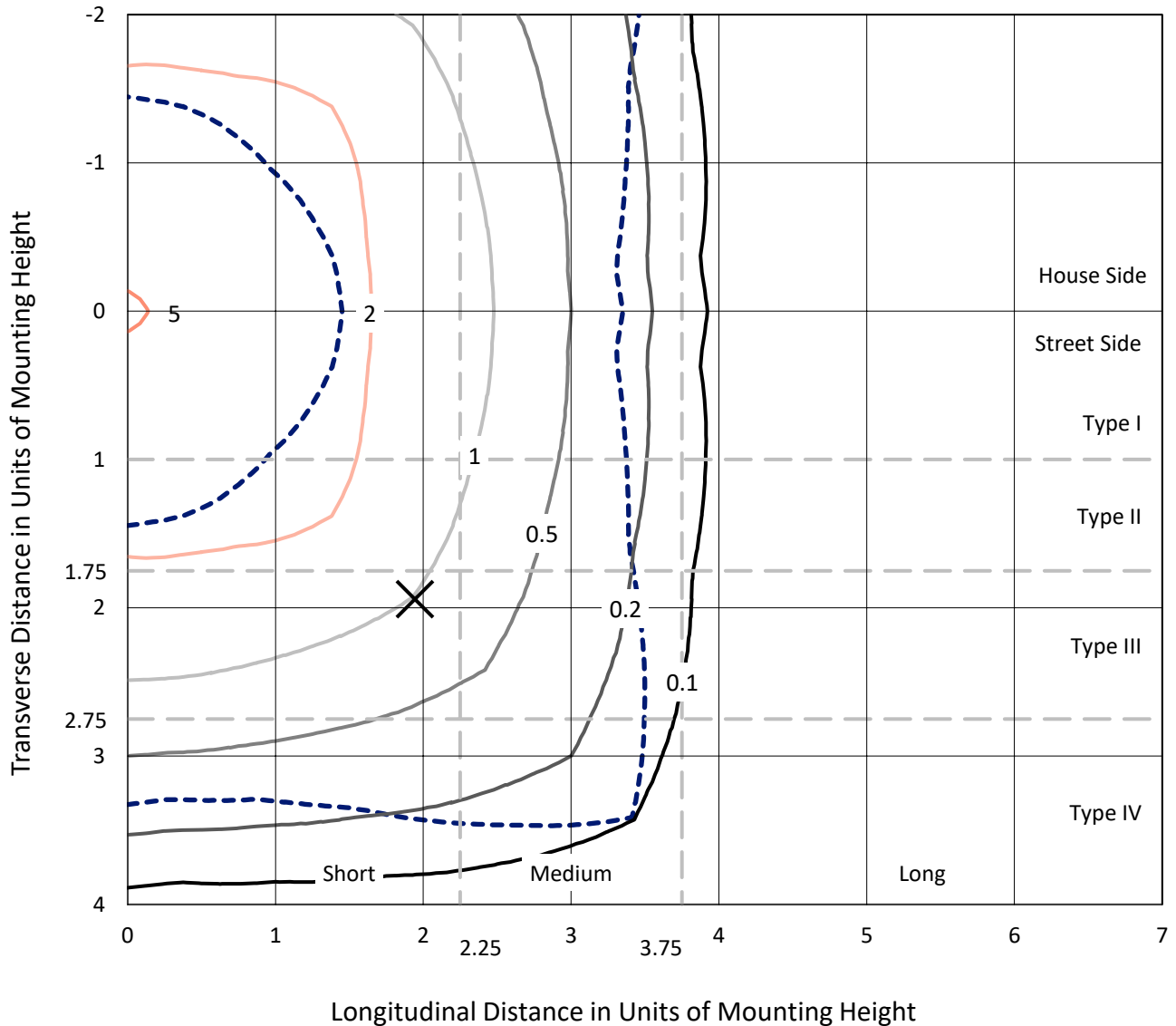
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

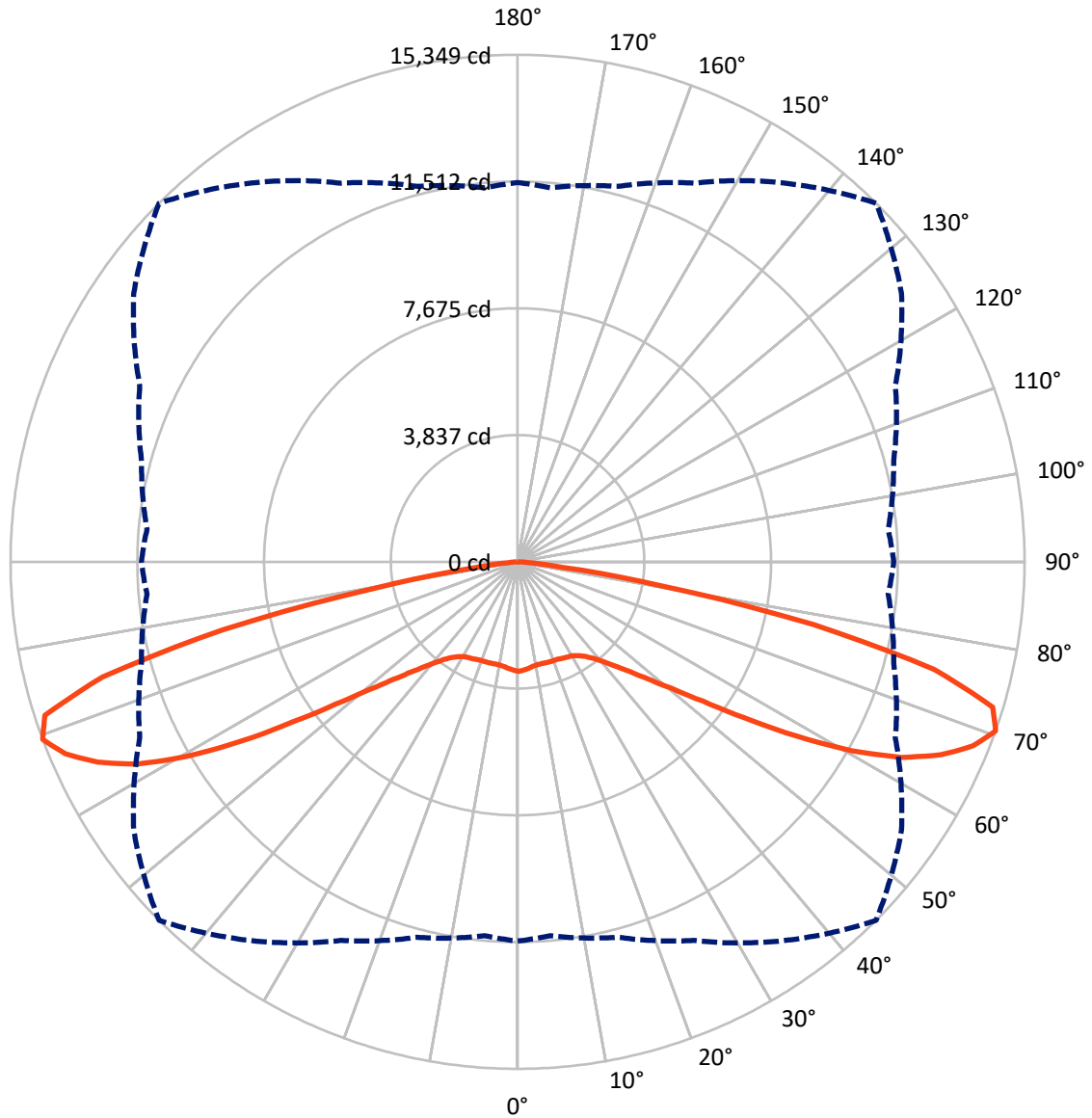
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	18172.5	0.0	18172.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18172.5	0.0	18172.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36345.0	0.0	36345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	0.8
10°-20°	905.6	2.5
20°-30°	1507.0	4.1
30°-40°	2279.0	6.3
40°-50°	3787.2	10.4
50°-60°	7146.3	19.7
60°-70°	12066.9	33.2
70°-80°	7929.2	21.8
80°-90°	415.4	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°	36345.0	100.0
0°-180°	36345.0	100.0

Coefficient of Utilization



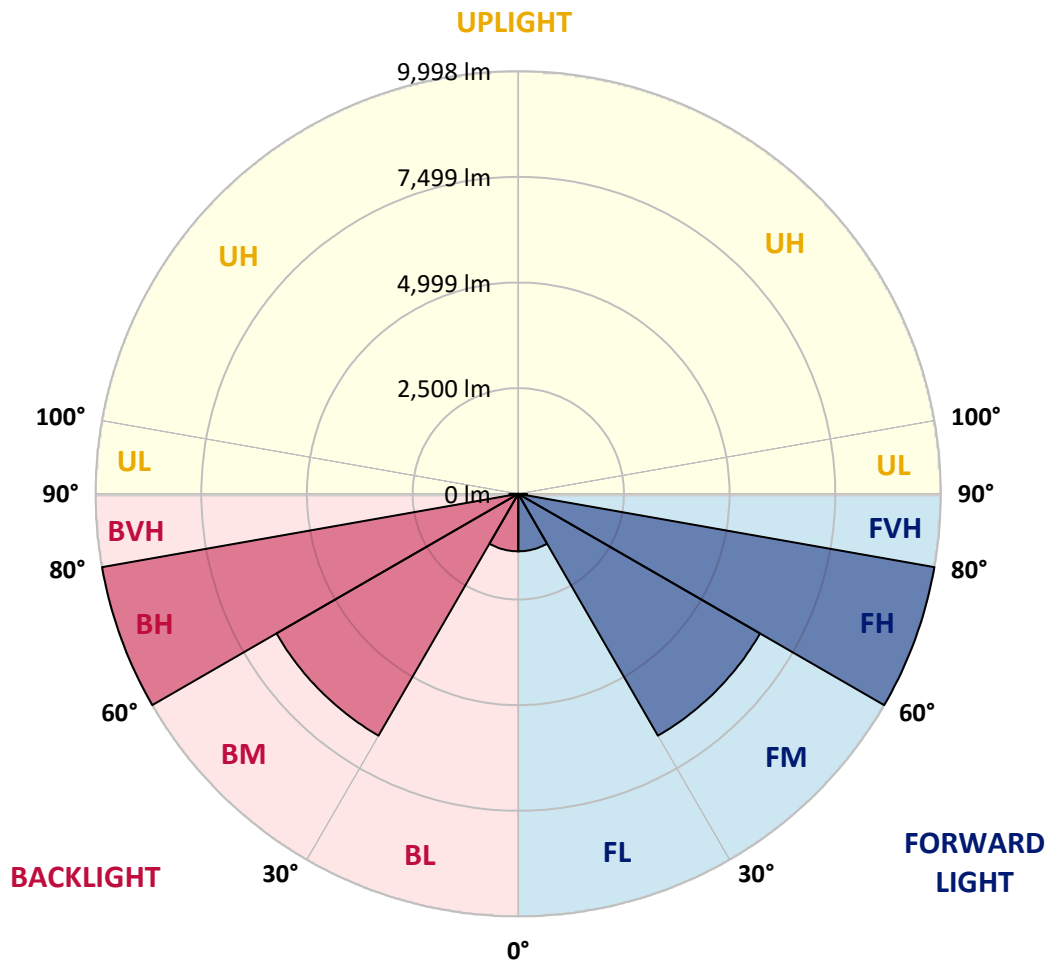
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1360.5	3.7			
FM (30°-60°)	6606.3	18.2			
FH (60°-80°)	9998.0	27.5			G4/12000
FVH (80°-90°)	207.7	0.6			G2/225
BL (0°-30°)	1360.5	3.7	B3/2500		
BM (30°-60°)	6606.3	18.2	B4/8500		
BH (60°-80°)	9998.0	27.5	B5		G4/12000
BVH (80°-90°)	207.7	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°	3315.4	3315.4	3315.4	3315.4	3315.4	3315.4	3315.4	3315.4	3315.4	3315.4
2.5°	3294.6	3304.1	3300.3	3292.7	3292.7	3287.1	3292.7	3296.5	3302.2	3306.0
5°	3251.2	3258.7	3256.8	3251.2	3253.1	3247.4	3251.2	3256.8	3260.6	3262.5
7.5°	3213.4	3220.9	3217.2	3207.7	3207.7	3202.0	3203.9	3209.6	3215.3	3217.2
10°	3203.9	3211.5	3200.2	3185.0	3179.4	3171.8	3173.7	3179.4	3190.7	3196.4
12.5°	3207.7	3213.4	3202.0	3179.4	3173.7	3166.2	3166.2	3171.8	3186.9	3194.5
15°	3219.1	3224.7	3207.7	3183.2	3177.5	3171.8	3169.9	3177.5	3194.5	3207.7
17.5°	3239.8	3245.5	3219.1	3185.0	3177.5	3179.4	3177.5	3183.2	3209.6	3234.2
20°	3258.7	3262.5	3226.6	3185.0	3177.5	3179.4	3177.5	3188.8	3222.8	3256.8
22.5°	3264.4	3268.2	3234.2	3198.3	3192.6	3194.5	3192.6	3203.9	3236.1	3270.1
25°	3266.3	3271.9	3245.5	3217.2	3226.6	3230.4	3226.6	3228.5	3253.1	3283.3
27.5°	3294.6	3302.2	3277.6	3253.1	3258.7	3256.8	3262.5	3268.2	3287.1	3317.3
30°	3353.2	3358.8	3338.1	3313.5	3309.7	3296.5	3313.5	3332.4	3353.2	3379.6
32.5°	3449.5	3460.9	3434.4	3408.0	3391.0	3383.4	3396.6	3428.7	3457.1	3485.4
35°	3610.1	3617.7	3593.1	3544.0	3513.8	3513.8	3525.1	3566.6	3612.0	3647.9
37.5°	3836.8	3846.2	3802.8	3744.2	3698.9	3698.9	3714.0	3757.4	3825.5	3876.5
40°	4112.6	4125.8	4071.0	4010.6	3967.1	3959.6	3978.5	4027.6	4091.8	4156.1
42.5°	4445.1	4460.2	4388.4	4335.5	4301.5	4301.5	4311.0	4356.3	4414.9	4494.2
45°	4870.1	4896.6	4798.4	4745.5	4713.3	4720.9	4726.6	4766.2	4819.1	4909.8
47.5°	5376.4	5402.9	5299.0	5244.2	5238.5	5274.4	5251.7	5280.1	5308.4	5412.3
50°	5950.7	5996.0	5924.3	5920.5	5931.8	5997.9	5945.0	5960.2	5928.0	5994.2
52.5°	6653.5	6719.6	6706.4	6729.0	6855.6	6991.6	6870.7	6817.8	6696.9	6717.7
55°	7505.5	7605.6	7624.5	7760.5	8047.6	8325.3	8068.4	7854.9	7598.0	7550.8
57.5°	8474.6	8553.9	8644.6	8922.3	9458.8	9951.9	9458.8	8986.5	8582.2	8485.9
60°	9517.4	9615.6	9702.5	10112.4	10909.6	11602.9	10894.5	10144.5	9609.9	9479.6
62.5°	10637.6	10764.2	10824.6	11279.9	12209.3	13036.8	12222.6	11313.9	10720.7	10580.9
65°	11712.5	11816.4	11884.4	12369.9	13257.8	14087.1	13318.3	12422.8	11812.6	11629.4
67.5°	12213.1	12269.8	12436.0	12985.8	13922.8	14869.2	14081.5	13044.3	12362.4	12041.2
70°	11480.1	11364.9	11765.4	12645.7	14002.1	15349.1	14183.5	12619.3	11784.3	11262.9
72.5°	8871.3	8672.9	9368.1	10873.7	13095.3	15043.0	13186.0	10958.8	9800.7	8742.8
75°	4826.7	4601.9	5561.6	7465.8	10443.0	13038.7	10682.9	7679.3	6192.5	4790.8
77.5°	1362.1	1277.0	2051.6	3612.0	6281.3	9154.6	6523.1	3691.3	2433.2	1443.3
80°	417.5	404.3	547.8	1088.1	2667.4	4384.6	2563.5	1101.4	697.1	440.2
82.5°	247.5	226.7	272.0	396.7	680.1	1377.2	661.2	413.7	332.5	222.9
85°	141.7	132.2	160.6	192.7	228.6	292.8	190.8	196.5	177.6	119.0
87.5°	58.6	52.9	62.3	60.5	52.9	68.0	51.0	60.5	71.8	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3315.4
3304.1
3262.5
3217.2
3196.4
3196.4
3209.6
3234.2
3258.7
3270.1
3281.4
3309.7
3374.0
3474.1
3634.7
3857.6
4135.3
4488.5
4906.0
5382.1
5954.5
6647.8
7477.1
8417.9
9366.2
10467.6
11538.7
12045.0
11387.6
9005.4
5102.5
1603.9
464.7
241.8
124.7
43.4
0.0

OF REPORT)