

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: P848781

Luminaire Tested: **GLAN-SB5C-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848781
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-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37551 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

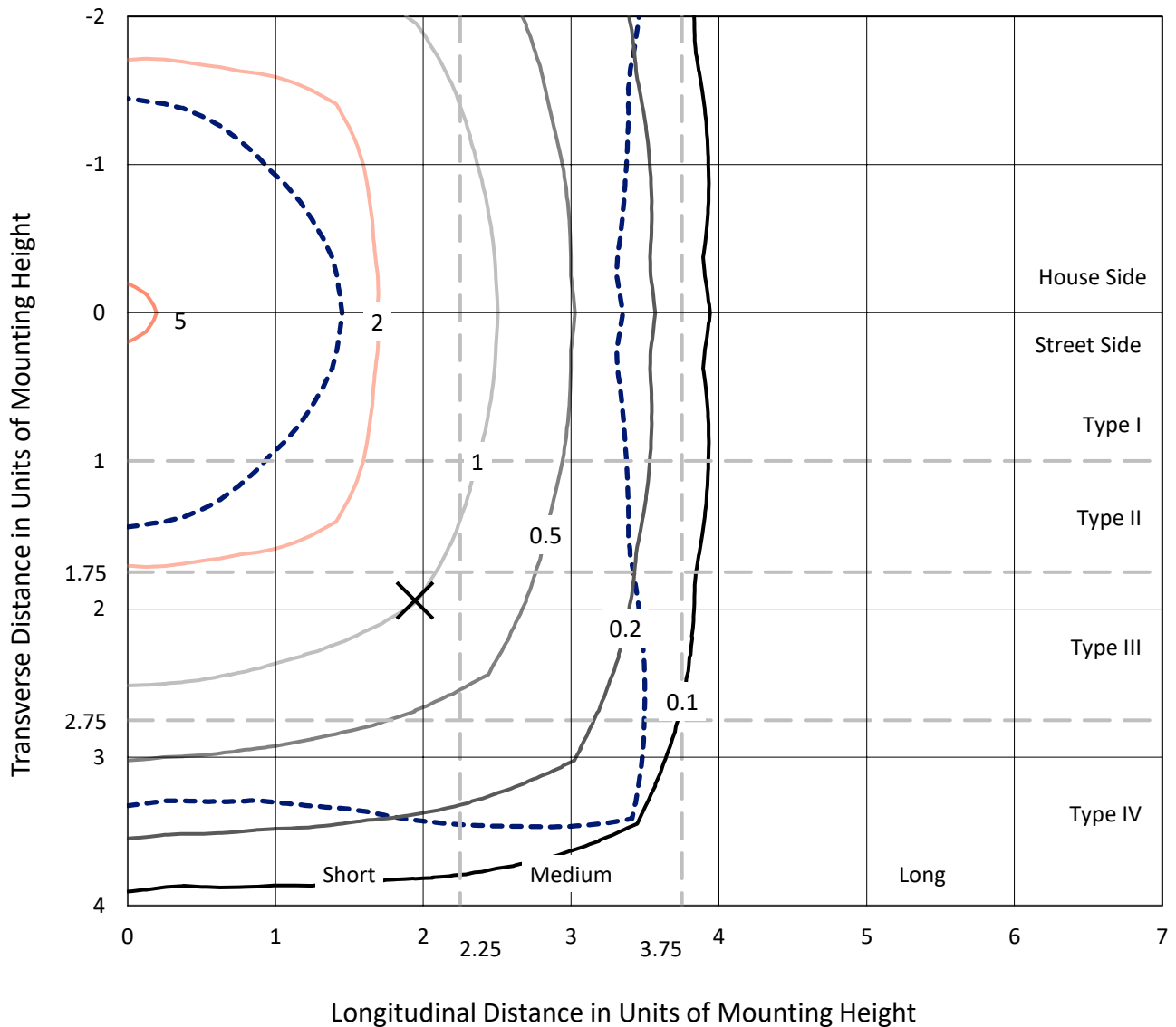
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

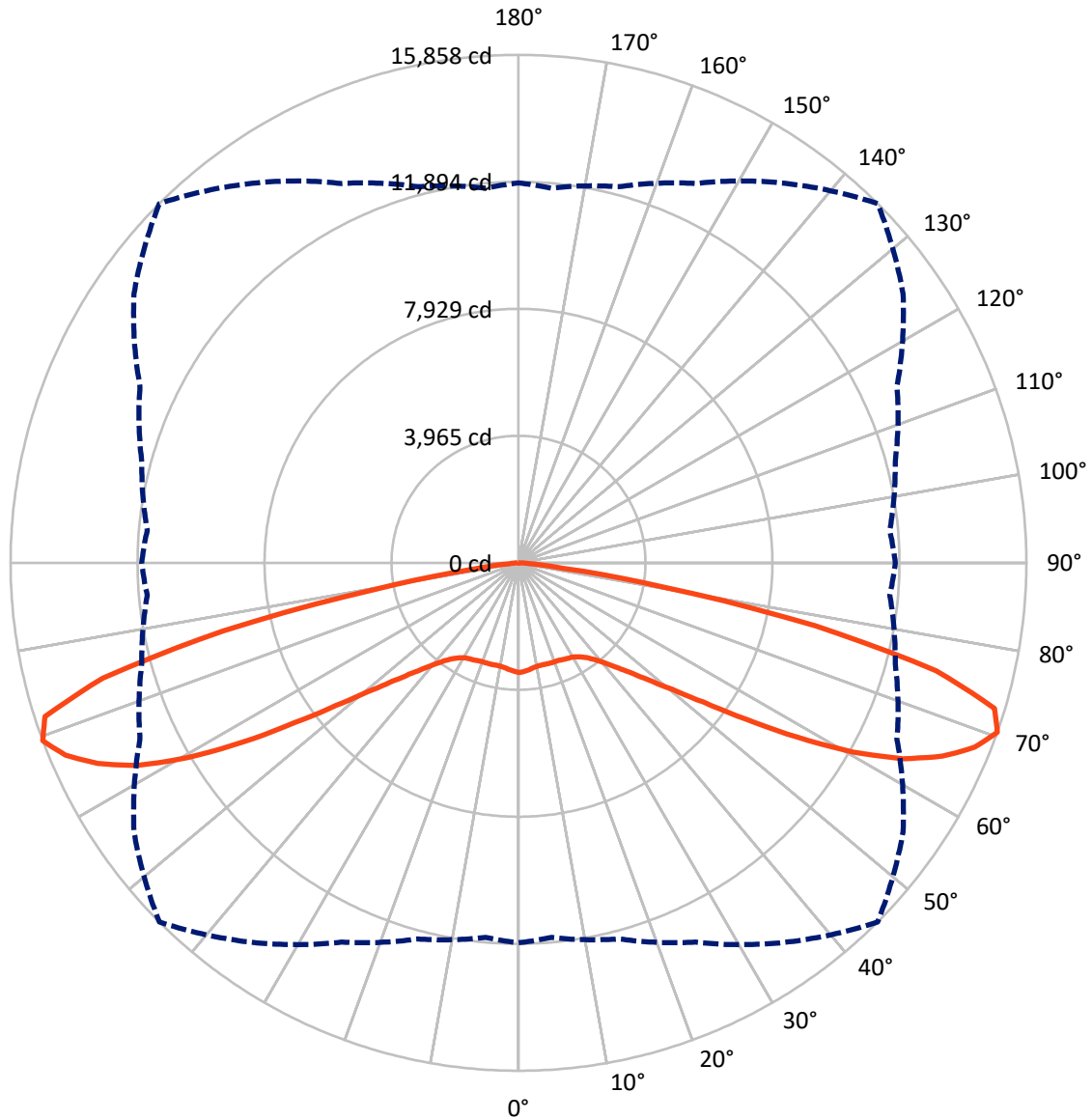
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	18775.5	0.0	18775.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18775.5	0.0	18775.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37551.0	0.0	37551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.6	0.8
10°-20°	935.6	2.5
20°-30°	1557.0	4.1
30°-40°	2354.7	6.3
40°-50°	3912.9	10.4
50°-60°	7383.5	19.7
60°-70°	12467.3	33.2
70°-80°	8192.3	21.8
80°-90°	429.2	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°	37551.0	100.0
0°-180°	37551.0	100.0

Coefficient of Utilization



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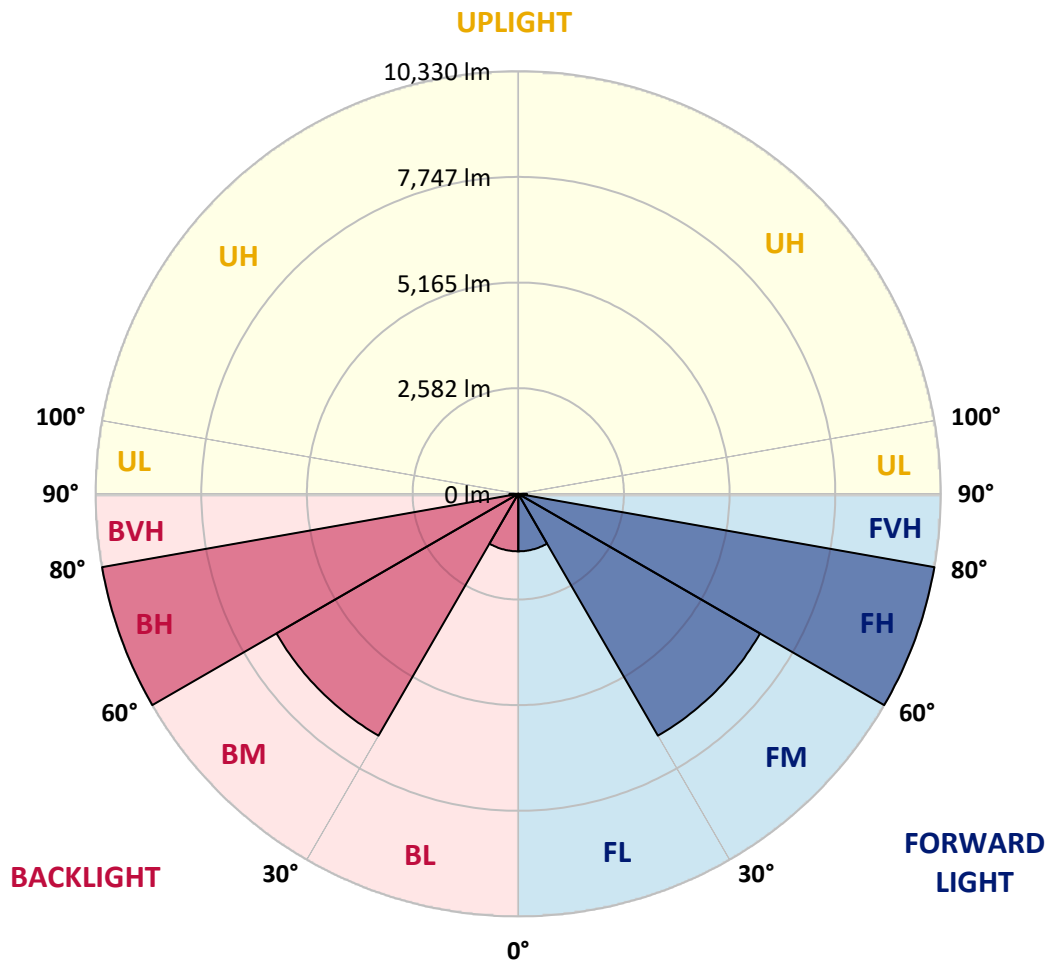
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.6	3.7			
FM (30°-60°)	6825.5	18.2			
FH (60°-80°)	10329.8	27.5			G4/12000
FVH (80°-90°)	214.6	0.6			G2/225
BL (0°-30°)	1405.6	3.7	B3/2500		
BM (30°-60°)	6825.5	18.2	B4/8500		
BH (60°-80°)	10329.8	27.5	B5		G4/12000
BVH (80°-90°)	214.6	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°	3425.4	3425.4	3425.4	3425.4	3425.4	3425.4	3425.4	3425.4	3425.4	3425.4
2.5°	3403.9	3413.7	3409.8	3402.0	3402.0	3396.1	3402.0	3405.9	3411.7	3415.6
5°	3359.0	3366.9	3364.9	3359.0	3361.0	3355.1	3359.0	3364.9	3368.8	3370.8
7.5°	3320.0	3327.8	3323.9	3314.2	3314.2	3308.3	3310.3	3316.1	3322.0	3323.9
10°	3310.3	3318.1	3306.3	3290.7	3284.9	3277.1	3279.0	3284.9	3296.6	3302.4
12.5°	3314.2	3320.0	3308.3	3284.9	3279.0	3271.2	3271.2	3277.1	3292.7	3300.5
15°	3325.9	3331.7	3314.2	3288.8	3282.9	3277.1	3275.1	3282.9	3300.5	3314.2
17.5°	3347.3	3353.2	3325.9	3290.7	3282.9	3284.9	3282.9	3288.8	3316.1	3341.5
20°	3366.9	3370.8	3333.7	3290.7	3282.9	3284.9	3282.9	3294.6	3329.8	3364.9
22.5°	3372.7	3376.6	3341.5	3304.4	3298.5	3300.5	3298.5	3310.3	3343.4	3378.6
25°	3374.7	3380.5	3353.2	3323.9	3333.7	3337.6	3333.7	3335.6	3361.0	3392.2
27.5°	3403.9	3411.7	3386.4	3361.0	3366.9	3364.9	3370.8	3376.6	3396.1	3427.4
30°	3464.4	3470.3	3448.8	3423.5	3419.6	3405.9	3423.5	3443.0	3464.4	3491.8
32.5°	3564.0	3575.7	3548.4	3521.0	3503.5	3495.7	3509.3	3542.5	3571.8	3601.1
35°	3729.9	3737.7	3712.3	3661.6	3630.3	3630.3	3642.1	3685.0	3731.8	3768.9
37.5°	3964.1	3973.9	3929.0	3868.5	3821.6	3821.6	3837.2	3882.1	3952.4	4005.1
40°	4249.1	4262.7	4206.1	4143.7	4098.8	4091.0	4110.5	4161.2	4227.6	4294.0
42.5°	4592.6	4608.2	4534.0	4479.4	4444.2	4444.2	4454.0	4500.8	4561.4	4643.3
45°	5031.7	5059.1	4957.6	4902.9	4869.7	4877.5	4883.4	4924.4	4979.0	5072.7
47.5°	5554.8	5582.1	5474.8	5418.2	5412.3	5449.4	5426.0	5455.3	5484.6	5591.9
50°	6148.2	6195.0	6120.8	6116.9	6128.6	6197.0	6142.3	6157.9	6124.7	6193.1
52.5°	6874.2	6942.5	6928.9	6952.3	7083.1	7223.6	7098.7	7044.0	6919.1	6940.6
55°	7754.5	7857.9	7877.5	8018.0	8314.7	8601.6	8336.1	8115.6	7850.1	7801.3
57.5°	8755.8	8837.7	8931.4	9218.3	9772.7	10282.1	9772.7	9284.7	8867.0	8767.5
60°	9833.2	9934.7	10024.4	10448.0	11271.6	11987.9	11256.0	10481.2	9928.8	9794.1
62.5°	10990.6	11121.4	11183.8	11654.2	12614.5	13469.4	12628.1	11689.3	11076.5	10932.0
65°	12101.2	12208.5	12278.8	12780.4	13697.7	14554.6	13760.2	12835.0	12204.6	12015.3
67.5°	12618.4	12676.9	12848.7	13416.7	14384.8	15362.6	14548.7	13477.2	12772.6	12440.8
70°	11861.1	11742.0	12155.8	13065.3	14466.7	15858.4	14654.1	13038.0	12175.3	11636.6
72.5°	9165.6	8960.7	9679.0	11234.6	13529.9	15542.2	13623.6	11322.4	10125.9	9032.9
75°	4986.8	4754.6	5746.1	7713.5	10789.5	13471.3	11037.4	7934.1	6398.0	4949.8
77.5°	1407.2	1319.4	2119.7	3731.8	6489.7	9458.4	6739.6	3813.8	2513.9	1491.2
80°	431.3	417.7	566.0	1124.2	2755.9	4530.1	2648.6	1137.9	720.2	454.8
82.5°	255.7	234.2	281.1	409.9	702.6	1422.9	683.1	427.4	343.5	230.3
85°	146.4	136.6	165.9	199.1	236.2	302.5	197.1	203.0	183.5	123.0
87.5°	60.5	54.7	64.4	62.5	54.7	70.3	52.7	62.5	74.2	48.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3425.4
3413.7
3370.8
3323.9
3302.4
3302.4
3316.1
3341.5
3366.9
3378.6
3390.3
3419.6
3485.9
3589.4
3755.3
3985.6
4272.5
4637.5
5068.8
5560.7
6152.1
6868.4
7725.2
8697.2
9677.0
10814.9
11921.6
12444.7
11765.4
9304.2
5271.8
1657.1
480.1
249.8
128.8
44.9
0.0

OF REPORT)