

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: P848784

Luminaire Tested: **GLAN-SB5C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36725 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

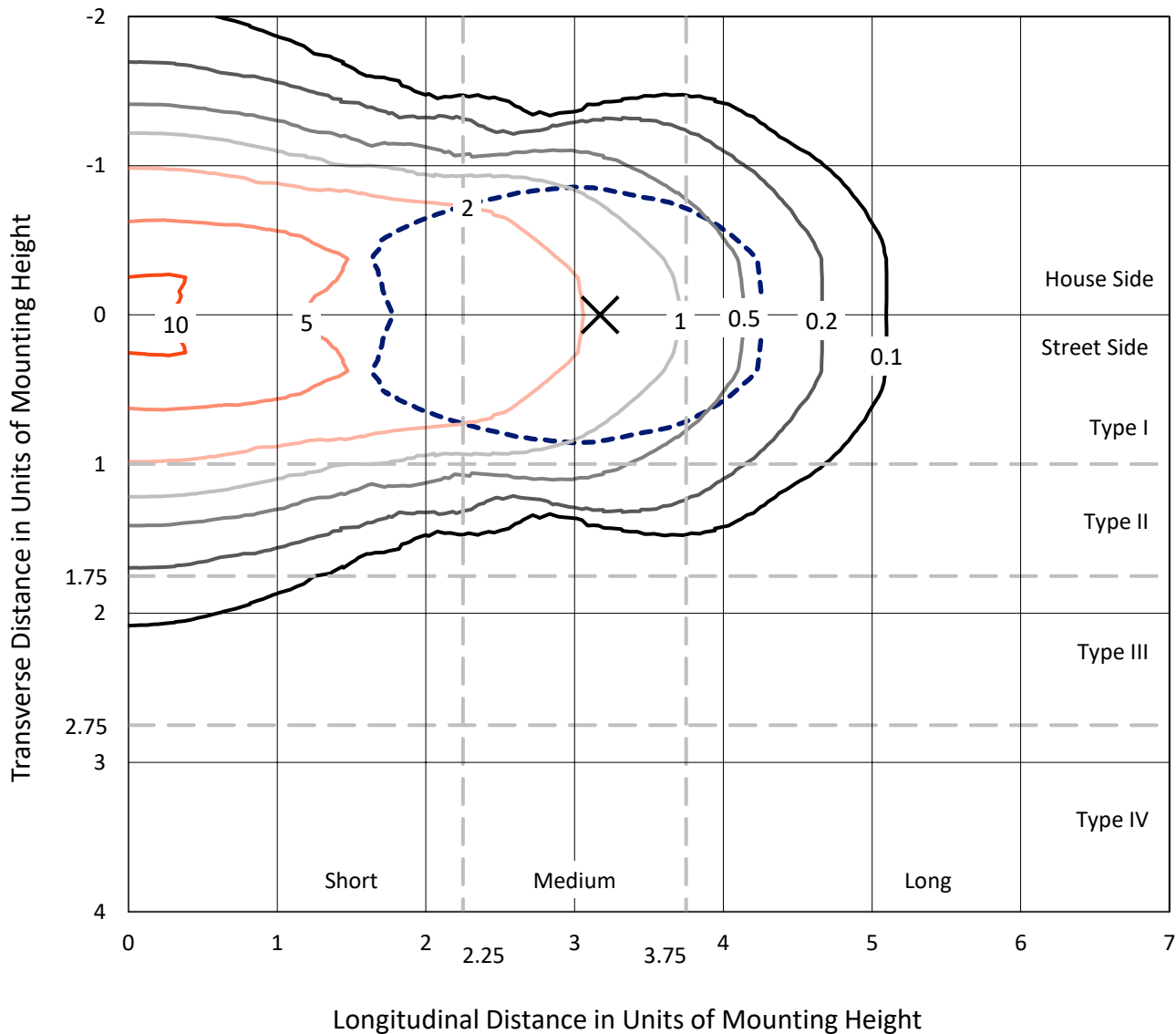
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

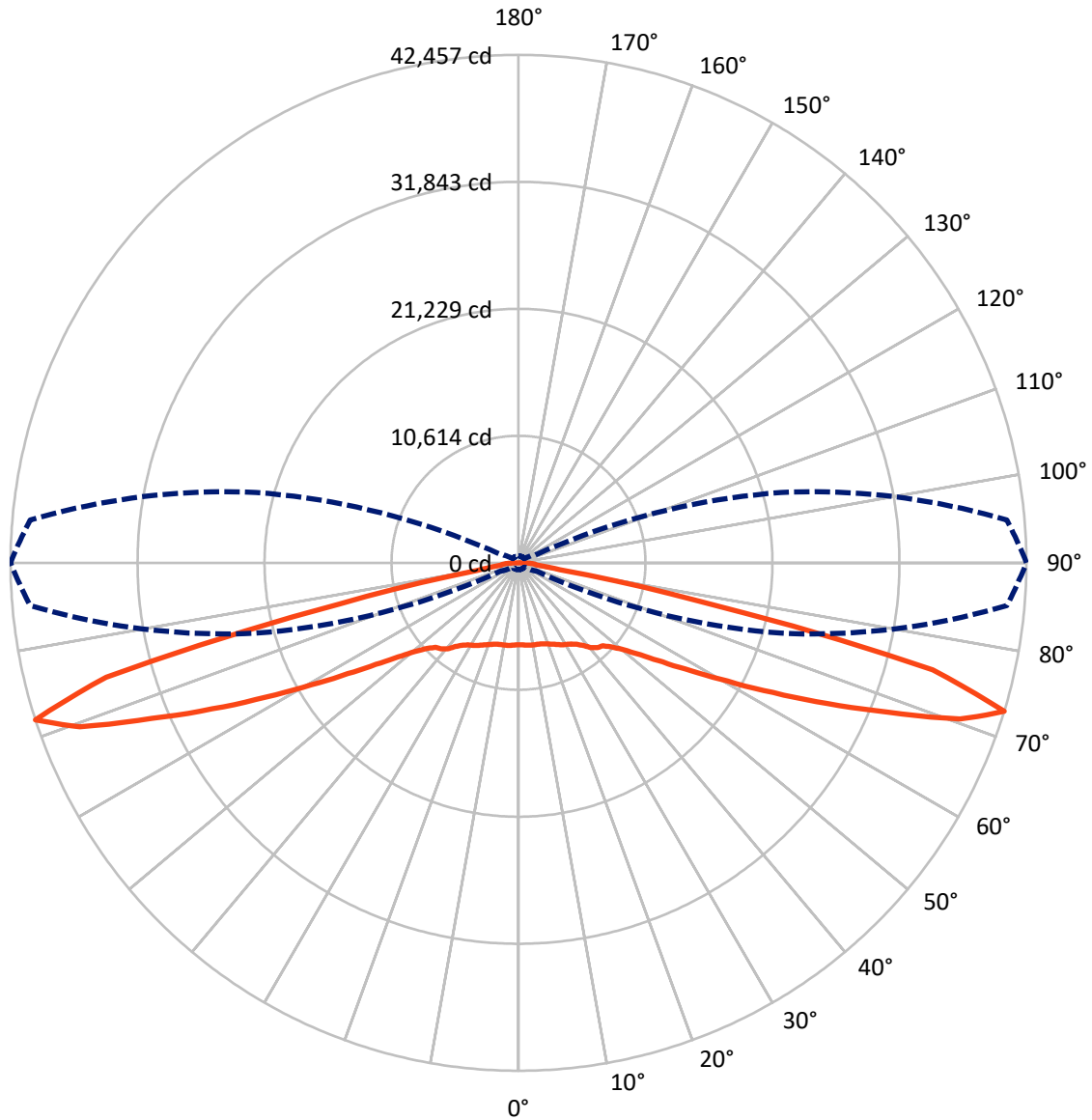
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18362.5	0.0	18362.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18362.5	0.0	18362.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36725.0	0.0	36725.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.4	1.8
10°-20°	2034.5	5.5
20°-30°	3392.4	9.2
30°-40°	4665.6	12.7
40°-50°	5697.9	15.5
50°-60°	6590.3	17.9
60°-70°	7857.8	21.4
70°-80°	5484.2	14.9
80°-90°	336.8	0.9
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°	36725.0	100.0
0°-180°	36725.0	100.0

Coefficient of Utilization

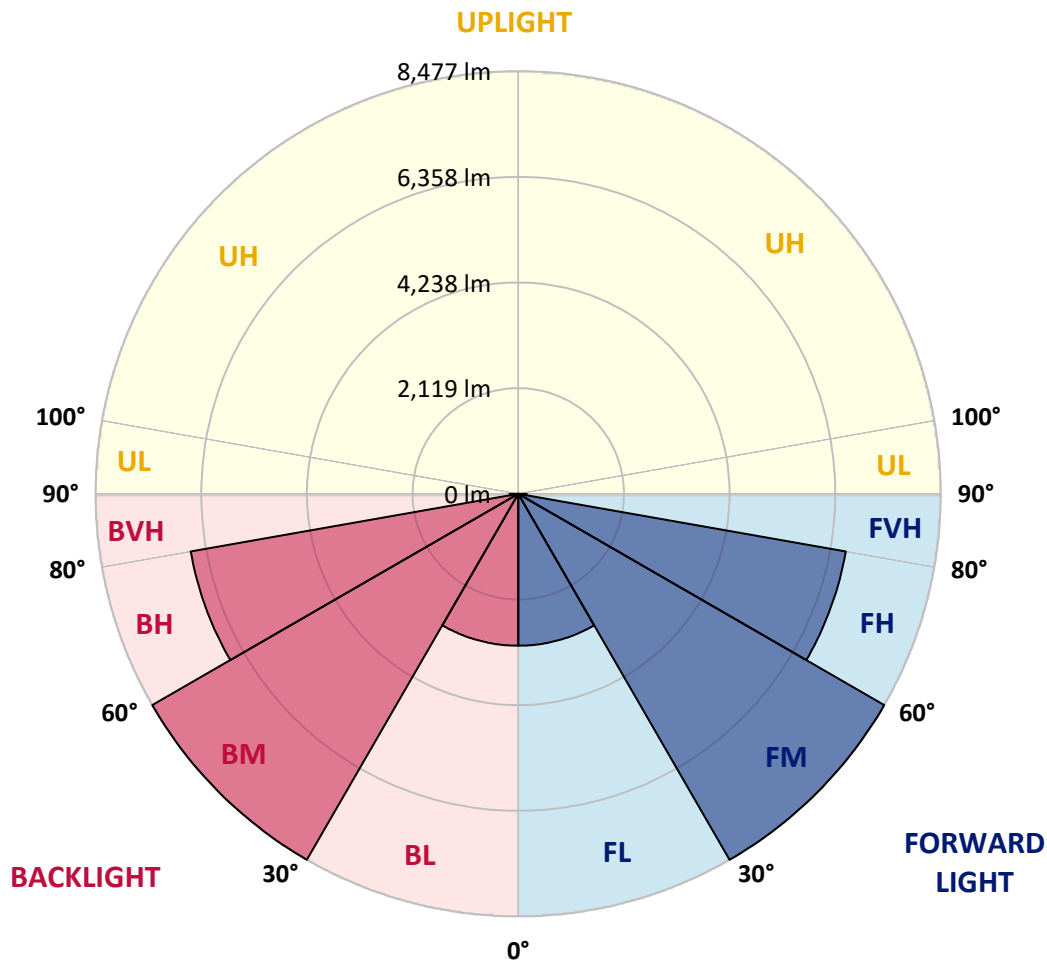


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3046.2	8.3			
FM (30°-60°)	8476.9	23.1			
FH (60°-80°)	6671.0	18.2			G3/7500
FVH (80°-90°)	168.4	0.5			G2/225
BL (0°-30°)	3046.2	8.3	B4/5000		
BM (30°-60°)	8476.9	23.1	B4/8500		
BH (60°-80°)	6671.0	18.2	B5		G5
BVH (80°-90°)	168.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6862.5	6862.5	6862.5	6862.5	6862.5	6862.5	6862.5	6862.5	6862.5	6862.5
2.5°	6868.3	6876.1	6876.1	6870.3	6883.9	6872.2	6872.2	6866.4	6872.2	6866.4
5°	6903.4	6913.2	6917.1	6915.2	6932.7	6923.0	6923.0	6915.2	6917.1	6911.2
7.5°	6969.8	6983.5	6991.3	7001.0	7026.4	7014.7	7006.9	6983.5	6973.7	6958.1
10°	6991.3	7006.9	7032.3	7083.0	7141.6	7143.5	7120.1	7061.5	7016.6	6981.5
12.5°	6924.9	6946.4	6999.1	7102.5	7233.3	7286.0	7248.9	7151.3	7063.5	7001.0
15°	6841.0	6864.4	6944.4	7100.6	7293.8	7416.8	7412.9	7284.0	7143.5	7045.9
17.5°	6710.2	6733.6	6848.8	7067.4	7340.6	7543.6	7598.3	7465.6	7268.4	7137.7
20°	6474.0	6495.5	6655.6	6962.0	7356.3	7678.3	7820.8	7703.7	7457.7	7280.1
22.5°	6167.6	6200.8	6388.2	6780.5	7319.2	7818.8	8074.5	7994.5	7678.3	7432.4
25°	5839.7	5874.9	6093.5	6558.0	7223.5	7920.3	8375.1	8324.3	7928.1	7621.7
27.5°	5556.7	5593.8	5831.9	6337.4	7075.2	7959.4	8671.8	8697.1	8230.7	7830.5
30°	5334.2	5369.3	5623.1	6159.8	6883.9	7920.3	8931.3	9107.0	8539.0	8012.1
32.5°	5090.2	5135.1	5402.5	5943.2	6657.5	7826.6	9157.7	9550.1	8896.2	8207.2
35°	4781.9	4822.8	5103.9	5646.5	6360.8	7676.3	9347.1	10041.9	9407.6	8503.9
37.5°	4407.1	4446.2	4725.3	5275.7	6066.1	7465.6	9491.5	10596.2	10016.5	8931.3
40°	4030.4	4067.5	4329.0	4861.9	5712.9	7196.2	9542.2	11138.8	10715.3	9518.8
42.5°	3685.0	3718.1	3958.2	4454.0	5316.6	6852.7	9475.9	11611.1	11341.8	9928.7
45°	3366.8	3396.1	3608.8	4071.4	4904.8	6435.0	9276.8	12118.6	12087.4	10221.5
47.5°	3003.8	3033.1	3253.6	3700.6	4493.0	5945.1	8939.1	12618.2	13123.8	10885.1
50°	2560.7	2586.1	2812.5	3273.1	4065.6	5424.0	8470.7	13010.6	14431.5	11890.2
52.5°	2035.7	2063.0	2283.6	2744.2	3558.1	4863.8	7854.0	13266.2	15942.1	13358.0
55°	1514.6	1534.1	1725.4	2139.1	2929.6	4225.6	7081.1	13338.5	17655.8	15364.4
57.5°	1098.9	1110.6	1233.5	1541.9	2221.1	3427.3	6142.2	13151.1	19695.4	17936.8
60°	890.0	893.9	931.0	1067.6	1543.9	2525.6	5008.3	12507.0	21908.7	21252.9
62.5°	808.0	808.0	817.8	854.9	1044.2	1666.8	3636.2	11172.0	24282.1	25443.4
65°	751.4	751.4	755.3	772.9	823.7	1061.8	2295.3	8997.7	26282.7	30352.1
67.5°	700.7	702.6	700.7	706.5	735.8	784.6	1331.1	6214.5	27360.0	35438.4
70°	648.0	651.9	642.1	642.1	665.6	667.5	833.4	3407.8	26466.1	39701.1
72.5°	585.5	591.4	575.8	571.9	589.4	581.6	626.5	1635.6	22722.6	40973.7
75°	530.9	538.7	503.6	493.8	493.8	487.9	509.4	839.3	14747.6	33424.2
77.5°	482.1	497.7	441.1	409.9	402.1	384.5	415.7	513.3	6450.6	15692.3
80°	398.2	419.6	363.0	325.9	312.3	292.8	327.9	359.1	1918.6	3644.0
82.5°	296.7	306.4	257.6	232.3	220.6	206.9	245.9	249.8	624.6	1290.1
85°	189.3	193.2	158.1	136.6	130.8	124.9	156.1	136.6	238.1	948.6
87.5°	66.4	76.1	60.5	54.6	58.6	48.8	72.2	41.0	66.4	669.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6862.5
6866.4
6911.2
6958.1
6975.7
6991.3
7030.3
7116.2
7247.0
7387.5
7559.2
7764.2
7916.4
8086.2
8369.2
8751.8
9327.6
9682.8
9889.7
10502.5
11410.1
12766.6
14624.7
17005.8
20079.9
23872.2
28365.2
33293.4
39137.1
42457.0
35750.7
15366.4
3489.8
1458.0
1378.0
829.5
0.0

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