

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: P848844

Luminaire Tested: **GLAN-SB5C-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848844
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-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30987 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

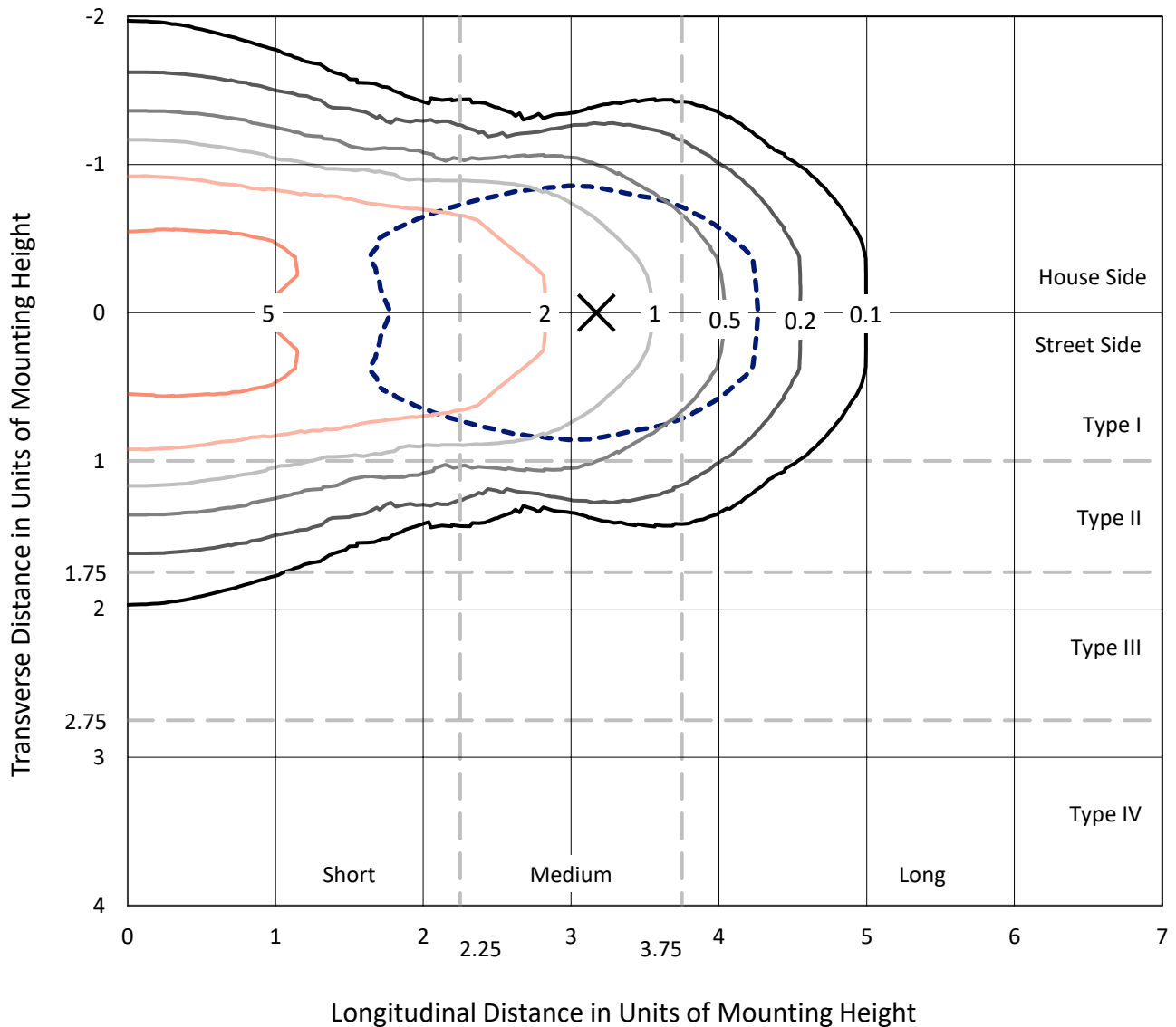
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

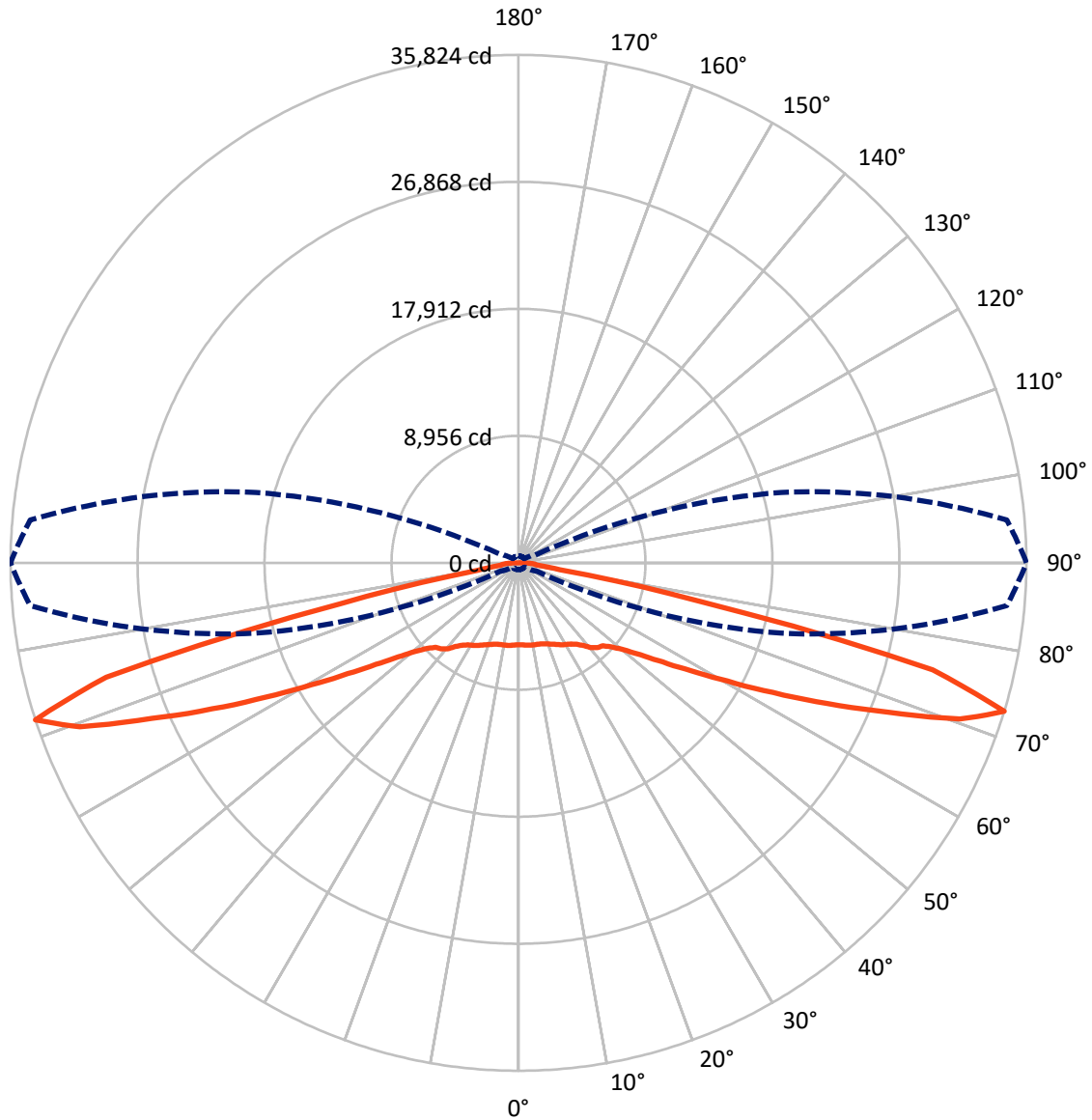
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	15493.5	0.0	15493.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15493.5	0.0	15493.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30987.0	0.0	30987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.4	1.8
10°-20°	1716.6	5.5
20°-30°	2862.3	9.2
30°-40°	3936.6	12.7
40°-50°	4807.7	15.5
50°-60°	5560.6	17.9
60°-70°	6630.1	21.4
70°-80°	4627.4	14.9
80°-90°	284.2	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°	30987.0	100.0
0°-180°	30987.0	100.0

Coefficient of Utilization



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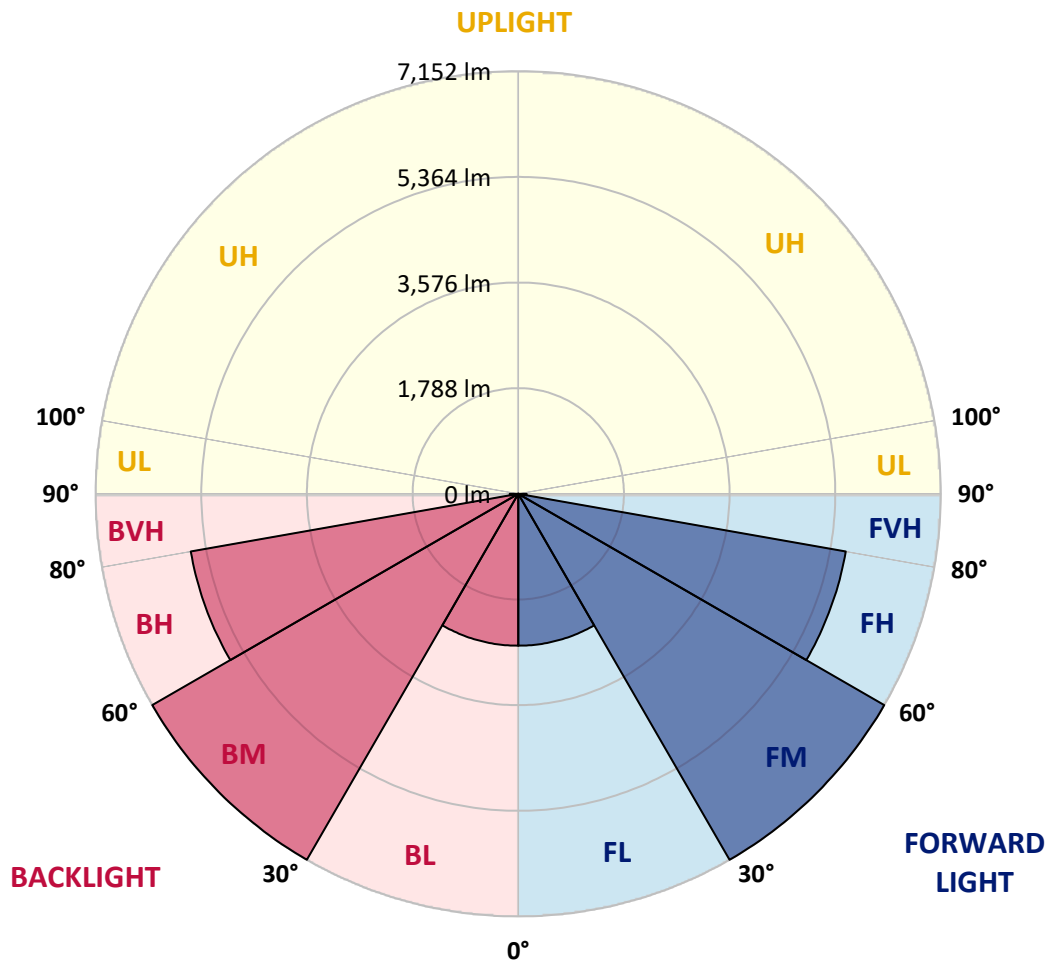
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2570.2	8.3			
FM (30°-60°)	7152.4	23.1			
FH (60°-80°)	5628.7	18.2			G3/7500
FVH (80°-90°)	142.1	0.5			G2/225
BL (0°-30°)	2570.2	8.3	B4/5000		
BM (30°-60°)	7152.4	23.1	B4/8500		
BH (60°-80°)	5628.7	18.2	B5		G5
BVH (80°-90°)	142.1	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°	5790.2	5790.2	5790.2	5790.2	5790.2	5790.2	5790.2	5790.2	5790.2	5790.2
2.5°	5795.2	5801.8	5801.8	5796.8	5808.4	5798.5	5798.5	5793.5	5798.5	5793.5
5°	5824.8	5833.1	5836.4	5834.7	5849.5	5841.3	5841.3	5834.7	5836.4	5831.4
7.5°	5880.8	5892.4	5898.9	5907.2	5928.6	5918.7	5912.1	5892.4	5884.1	5870.9
10°	5898.9	5912.1	5933.5	5976.3	6025.7	6027.4	6007.6	5958.2	5920.3	5890.7
12.5°	5842.9	5861.1	5905.5	5992.8	6103.1	6147.6	6116.3	6034.0	5959.9	5907.2
15°	5772.1	5791.9	5859.4	5991.2	6154.2	6257.9	6254.7	6146.0	6027.4	5945.0
17.5°	5661.8	5681.6	5778.7	5963.2	6193.7	6365.0	6411.1	6299.1	6132.8	6022.5
20°	5462.5	5480.6	5615.7	5874.2	6206.9	6478.6	6598.8	6500.0	6292.5	6142.7
22.5°	5204.0	5232.0	5390.1	5721.1	6175.6	6597.2	6812.9	6745.4	6478.6	6271.1
25°	4927.3	4957.0	5141.4	5533.3	6094.9	6682.8	7066.5	7023.7	6689.4	6430.9
27.5°	4688.5	4719.8	4920.7	5347.3	5969.8	6715.8	7316.9	7338.3	6944.7	6607.1
30°	4500.8	4530.4	4744.5	5197.4	5808.4	6682.8	7535.9	7684.1	7204.9	6760.2
32.5°	4294.9	4332.8	4558.4	5014.6	5617.3	6603.8	7726.9	8057.9	7506.2	6924.9
35°	4034.7	4069.3	4306.5	4764.3	5367.0	6477.0	7886.7	8472.9	7937.7	7175.2
37.5°	3718.5	3751.5	3987.0	4451.4	5118.3	6299.1	8008.5	8940.6	8451.5	7535.9
40°	3400.7	3432.0	3652.7	4102.2	4820.3	6071.9	8051.3	9398.4	9041.1	8031.6
42.5°	3109.2	3137.2	3339.8	3758.1	4486.0	5782.0	7995.4	9797.0	9569.7	8377.4
45°	2840.8	2865.5	3045.0	3435.3	4138.5	5429.6	7827.4	10225.2	10198.8	8624.4
47.5°	2534.5	2559.2	2745.3	3122.4	3791.0	5016.2	7542.5	10646.7	11073.3	9184.4
50°	2160.6	2182.0	2373.1	2761.7	3430.3	4576.5	7147.2	10977.8	12176.6	10032.5
52.5°	1717.6	1740.7	1926.8	2315.4	3002.2	4103.9	6626.8	11193.5	13451.3	11270.9
55°	1277.9	1294.4	1455.8	1804.9	2471.9	3565.4	5974.7	11254.4	14897.2	12963.8
57.5°	927.2	937.0	1040.8	1301.0	1874.1	2891.8	5182.6	11096.3	16618.1	15134.4
60°	751.0	754.2	785.5	900.8	1302.6	2131.0	4225.8	10552.9	18485.6	17932.3
62.5°	681.8	681.8	690.0	721.3	881.1	1406.4	3068.0	9426.4	20488.2	21468.1
65°	634.0	634.0	637.3	652.1	695.0	895.9	1936.7	7591.9	22176.2	25609.8
67.5°	591.2	592.9	591.2	596.2	620.9	662.0	1123.1	5243.5	23085.2	29901.5
70°	546.7	550.0	541.8	541.8	561.6	563.2	703.2	2875.4	22331.0	33498.1
72.5°	494.0	499.0	485.8	482.5	497.3	490.8	528.6	1380.0	19172.4	34571.9
75°	447.9	454.5	424.9	416.6	416.6	411.7	429.8	708.1	12443.4	28201.9
77.5°	406.8	419.9	372.2	345.8	339.2	324.4	350.8	433.1	5442.8	13240.5
80°	336.0	354.1	306.3	275.0	263.5	247.0	276.7	303.0	1618.8	3074.6
82.5°	250.3	258.6	217.4	196.0	186.1	174.6	207.5	210.8	527.0	1088.6
85°	159.7	163.0	133.4	115.3	110.3	105.4	131.7	115.3	200.9	800.4
87.5°	56.0	64.2	51.1	46.1	49.4	41.2	60.9	34.6	56.0	564.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5790.2
5793.5
5831.4
5870.9
5885.8
5898.9
5931.9
6004.3
6114.7
6233.2
6378.2
6551.1
6679.5
6822.8
7061.6
7384.4
7870.2
8169.9
8344.5
8861.6
9627.4
10771.9
12339.7
14348.8
16942.6
20142.4
23933.4
28091.6
33022.2
35823.5
30165.0
12965.5
2944.5
1230.2
1162.7
699.9
0.0

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