

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: P848104

Luminaire Tested: **GLAN-SB4C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848104
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-SB4C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 29137 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

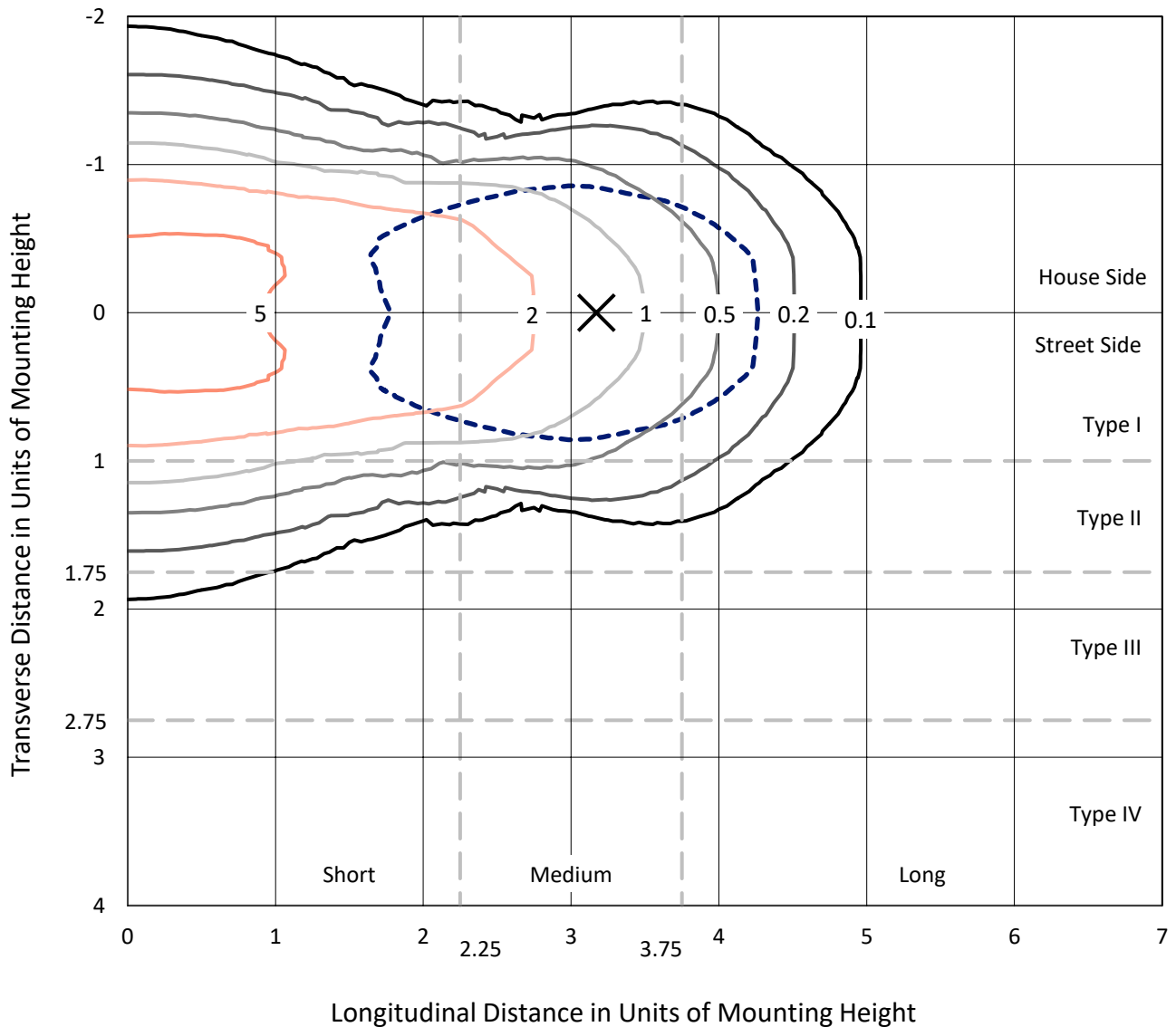
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

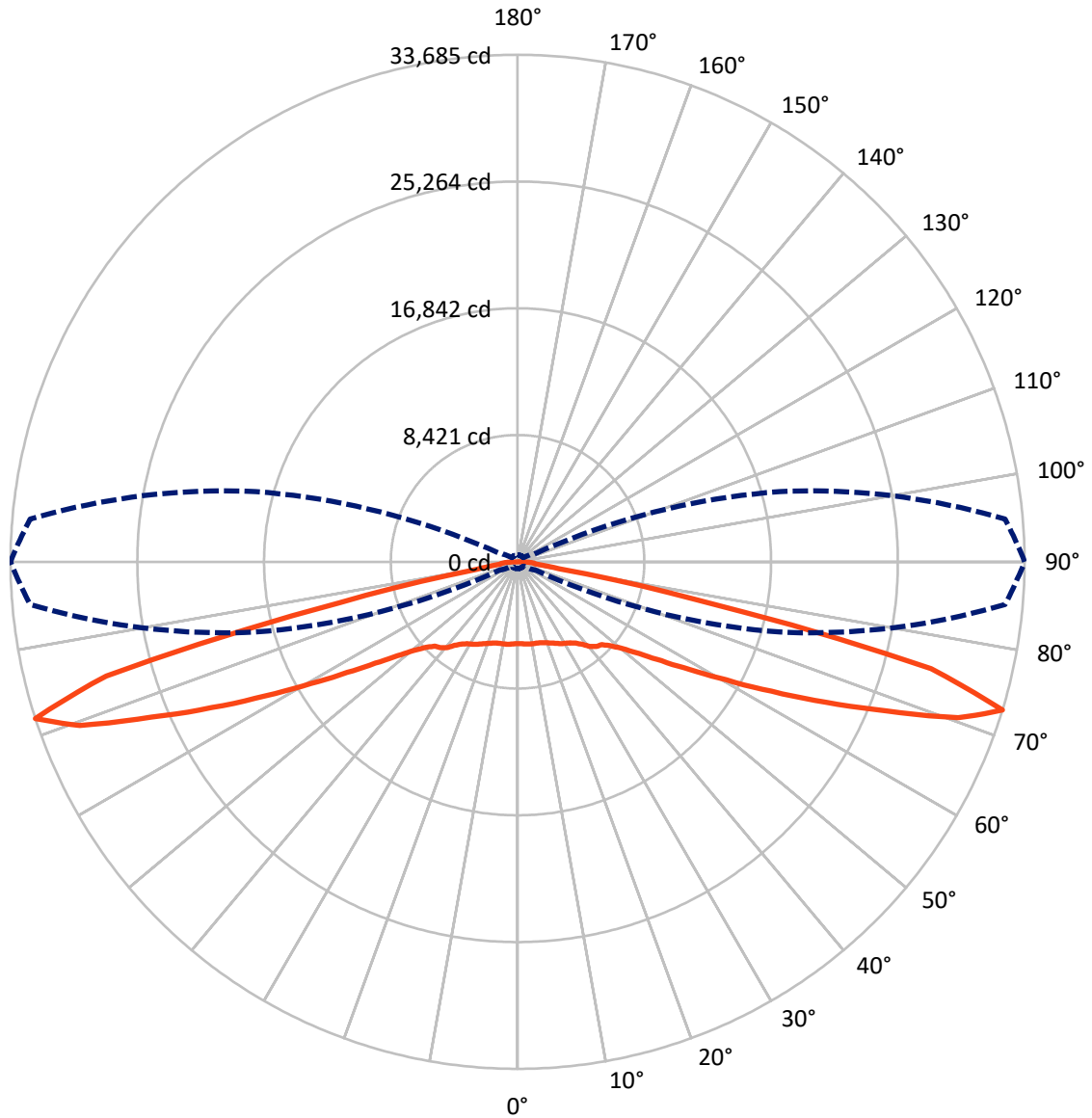
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	14568.5	0.0	14568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14568.5	0.0	14568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29137.0	0.0	29137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.9	1.8
10°-20°	1614.2	5.5
20°-30°	2691.5	9.2
30°-40°	3701.6	12.7
40°-50°	4520.7	15.5
50°-60°	5228.6	17.9
60°-70°	6234.3	21.4
70°-80°	4351.1	14.9
80°-90°	267.2	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°	29137.0	100.0
0°-180°	29137.0	100.0

Coefficient of Utilization

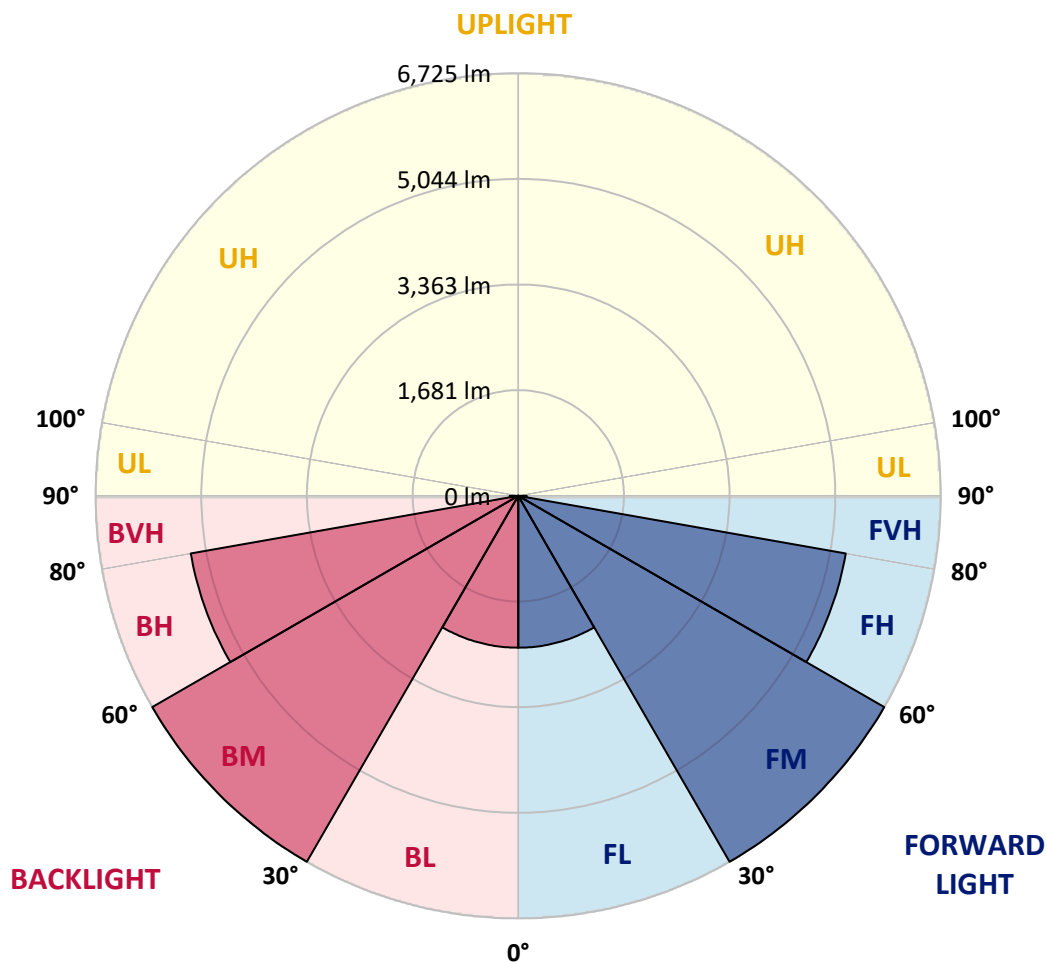


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2416.8	8.3			
FM (30°-60°)	6725.4	23.1			
FH (60°-80°)	5292.7	18.2			G3/7500
FVH (80°-90°)	133.6	0.5			G2/225
BL (0°-30°)	2416.8	8.3	B3/2500		
BM (30°-60°)	6725.4	23.1	B4/8500		
BH (60°-80°)	5292.7	18.2	B5		G5
BVH (80°-90°)	133.6	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°	5444.6	5444.6	5444.6	5444.6	5444.6	5444.6	5444.6	5444.6	5444.6	5444.6
2.5°	5449.2	5455.4	5455.4	5450.8	5461.6	5452.3	5452.3	5447.7	5452.3	5447.7
5°	5477.1	5484.8	5487.9	5486.4	5500.3	5492.6	5492.6	5486.4	5487.9	5483.3
7.5°	5529.7	5540.6	5546.8	5554.5	5574.6	5565.3	5559.1	5540.6	5532.8	5520.4
10°	5546.8	5559.1	5579.3	5619.5	5666.0	5667.5	5649.0	5602.5	5566.9	5539.0
12.5°	5494.1	5511.1	5553.0	5635.0	5738.8	5780.6	5751.2	5673.7	5604.1	5554.5
15°	5427.5	5446.1	5509.6	5633.5	5786.8	5884.3	5881.2	5779.0	5667.5	5590.1
17.5°	5323.8	5342.4	5433.7	5607.1	5823.9	5985.0	6028.3	5923.0	5766.6	5662.9
20°	5136.4	5153.4	5280.4	5523.5	5836.3	6091.8	6204.9	6112.0	5916.9	5775.9
22.5°	4893.3	4919.6	5068.3	5379.5	5806.9	6203.3	6406.2	6342.7	6091.8	5896.7
25°	4633.1	4661.0	4834.4	5203.0	5731.0	6283.8	6644.7	6604.4	6290.0	6046.9
27.5°	4408.6	4438.0	4626.9	5028.0	5613.3	6314.8	6880.0	6900.2	6530.1	6212.6
30°	4232.1	4259.9	4461.3	4887.1	5461.6	6283.8	7086.0	7225.3	6774.7	6356.6
32.5°	4038.5	4074.1	4286.3	4715.2	5282.0	6209.5	7265.6	7576.9	7058.1	6511.5
35°	3793.8	3826.4	4049.3	4479.8	5046.6	6090.3	7415.8	7967.1	7463.8	6746.9
37.5°	3496.5	3527.5	3748.9	4185.6	4812.8	5923.0	7530.4	8406.9	7946.9	7086.0
40°	3197.7	3227.1	3434.6	3857.3	4532.5	5709.4	7570.7	8837.3	8501.3	7552.1
42.5°	2923.6	2949.9	3140.4	3533.7	4218.1	5436.8	7518.0	9212.1	8998.4	7877.3
45°	2671.2	2694.4	2863.2	3230.2	3891.4	5105.4	7360.1	9614.7	9589.9	8109.5
47.5°	2383.2	2406.4	2581.4	2936.0	3564.7	4716.8	7092.2	10011.1	10412.2	8636.0
50°	2031.6	2051.8	2231.4	2596.8	3225.5	4303.3	6720.5	10322.4	11449.7	9433.5
52.5°	1615.1	1636.8	1811.8	2177.2	2822.9	3858.9	6231.2	10525.2	12648.2	10598.0
55°	1201.6	1217.1	1368.9	1697.2	2324.3	3352.5	5618.0	10582.5	14007.8	12189.9
57.5°	871.8	881.1	978.7	1223.3	1762.2	2719.2	4873.2	10433.9	15626.0	14230.8
60°	706.1	709.2	738.6	847.0	1224.9	2003.8	3973.5	9922.8	17382.0	16861.7
62.5°	641.1	641.1	648.8	678.2	828.5	1322.4	2884.9	8863.7	19265.0	20186.4
65°	596.2	596.2	599.3	613.2	653.5	842.4	1821.0	7138.6	20852.2	24080.9
67.5°	555.9	557.5	555.9	560.6	583.8	622.5	1056.1	4930.5	21707.0	28116.3
70°	514.1	517.2	509.5	509.5	528.0	529.6	661.2	2703.7	20997.8	31498.2
72.5°	464.6	469.2	456.8	453.7	467.6	461.5	497.1	1297.7	18027.7	32507.8
75°	421.2	427.4	399.5	391.8	391.8	387.1	404.2	665.9	11700.5	26518.2
77.5°	382.5	394.9	350.0	325.2	319.0	305.1	329.8	407.3	5117.8	12450.0
80°	315.9	332.9	288.0	258.6	247.8	232.3	260.1	284.9	1522.2	2891.1
82.5°	235.4	243.1	204.4	184.3	175.0	164.1	195.1	198.2	495.5	1023.6
85°	150.2	153.3	125.4	108.4	103.8	99.1	123.9	108.4	188.9	752.6
87.5°	52.6	60.4	48.0	43.4	46.5	38.7	57.3	32.5	52.6	531.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5444.6
5447.7
5483.3
5520.4
5534.4
5546.8
5577.7
5645.9
5749.6
5861.1
5997.4
6160.0
6280.8
6415.5
6640.0
6943.5
7400.3
7682.2
7846.3
8332.5
9052.6
10128.8
11603.0
13492.2
15931.1
18939.8
22504.5
26414.5
31050.7
33684.7
28364.0
12191.4
2768.7
1156.7
1093.2
658.1
0.0

OF REPORT)