

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: P849464

Luminaire Tested: **GLAN-SB6C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849464
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-SB6C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 44087 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

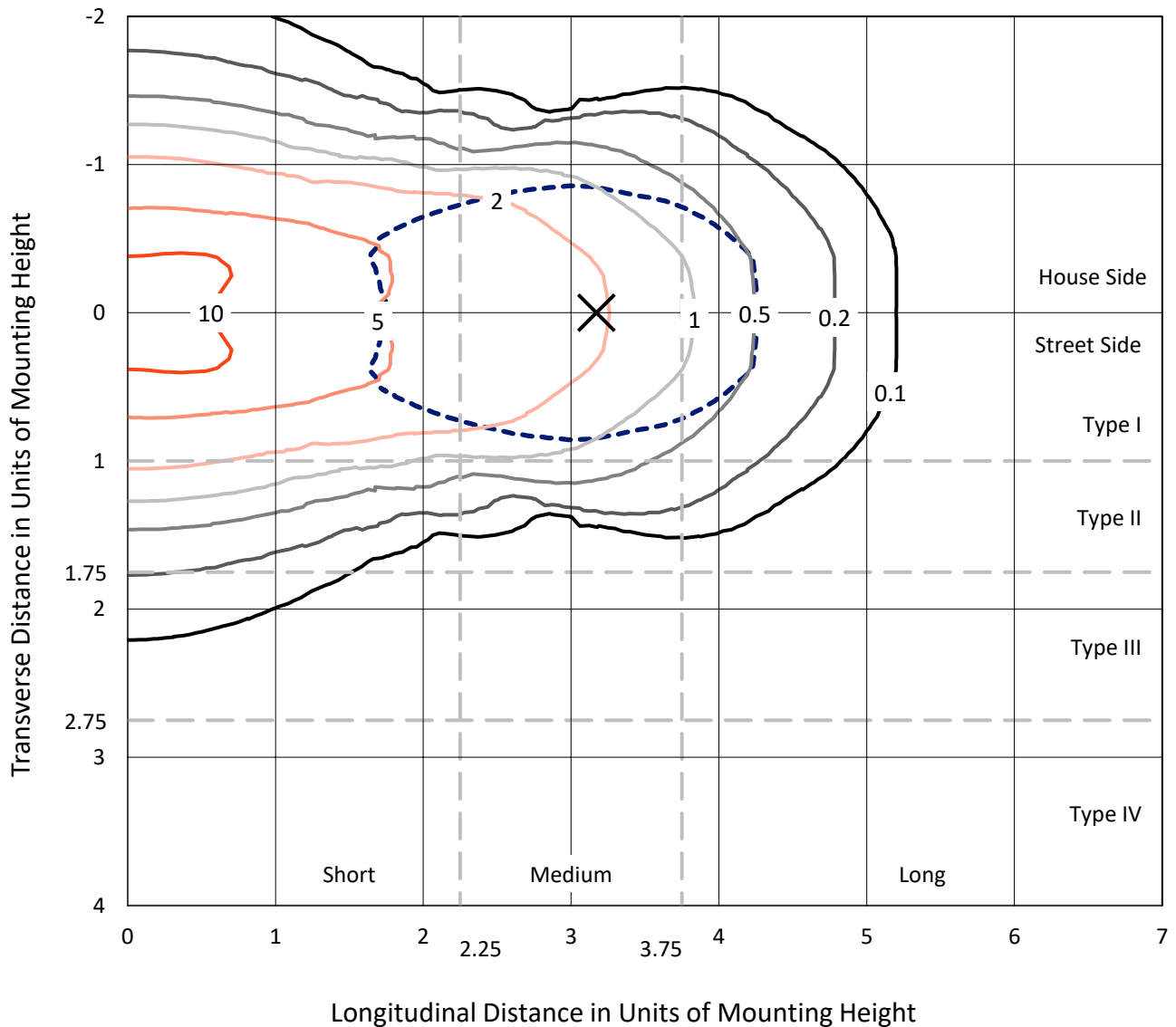
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

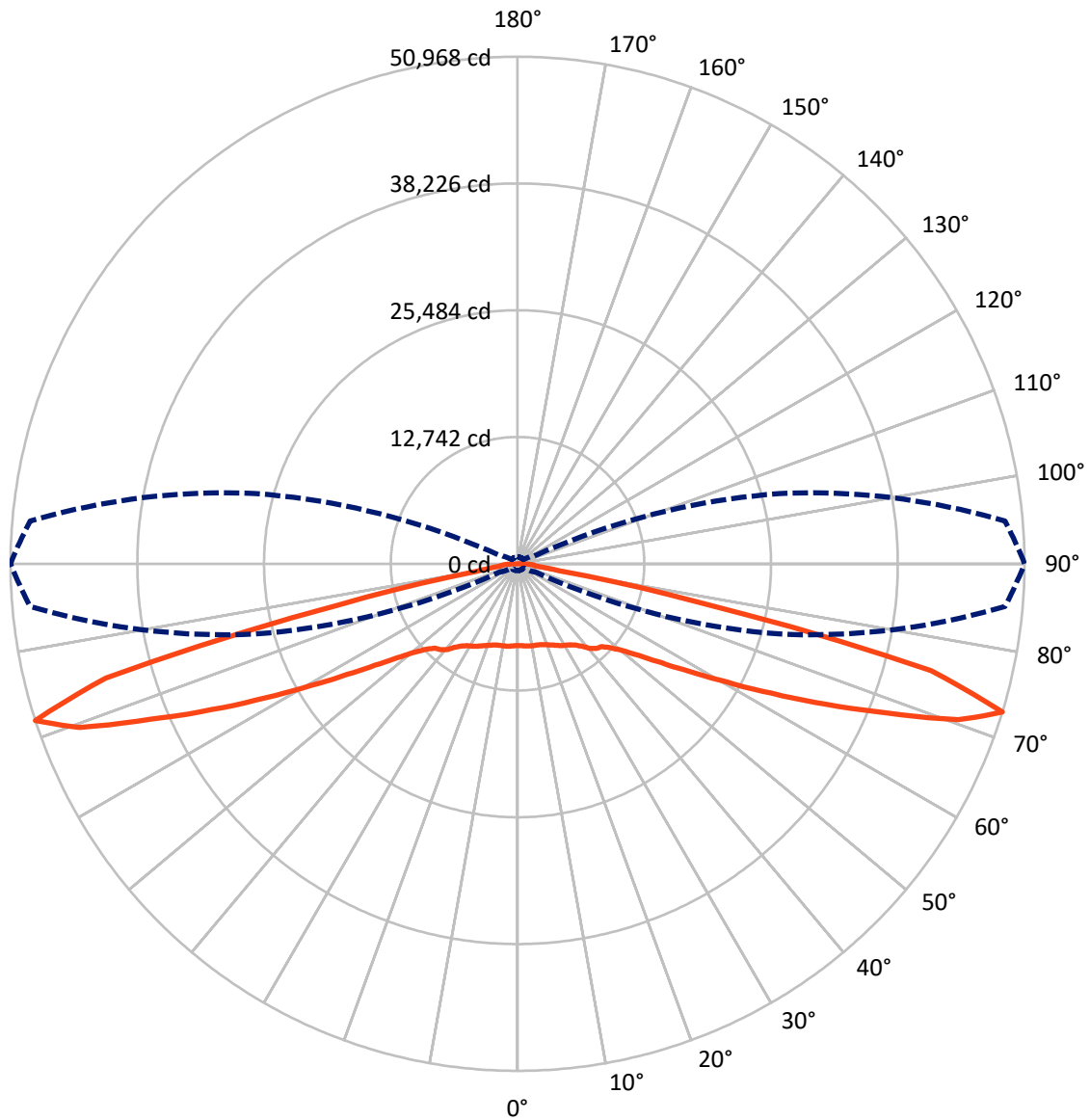
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	22043.5	0.0	22043.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22043.5	0.0	22043.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44087.0	0.0	44087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.8	1.8
10°-20°	2442.4	5.5
20°-30°	4072.4	9.2
30°-40°	5600.9	12.7
40°-50°	6840.2	15.5
50°-60°	7911.4	17.9
60°-70°	9433.0	21.4
70°-80°	6583.6	14.9
80°-90°	404.4	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°	44087.0	100.0
0°-180°	44087.0	100.0

Coefficient of Utilization



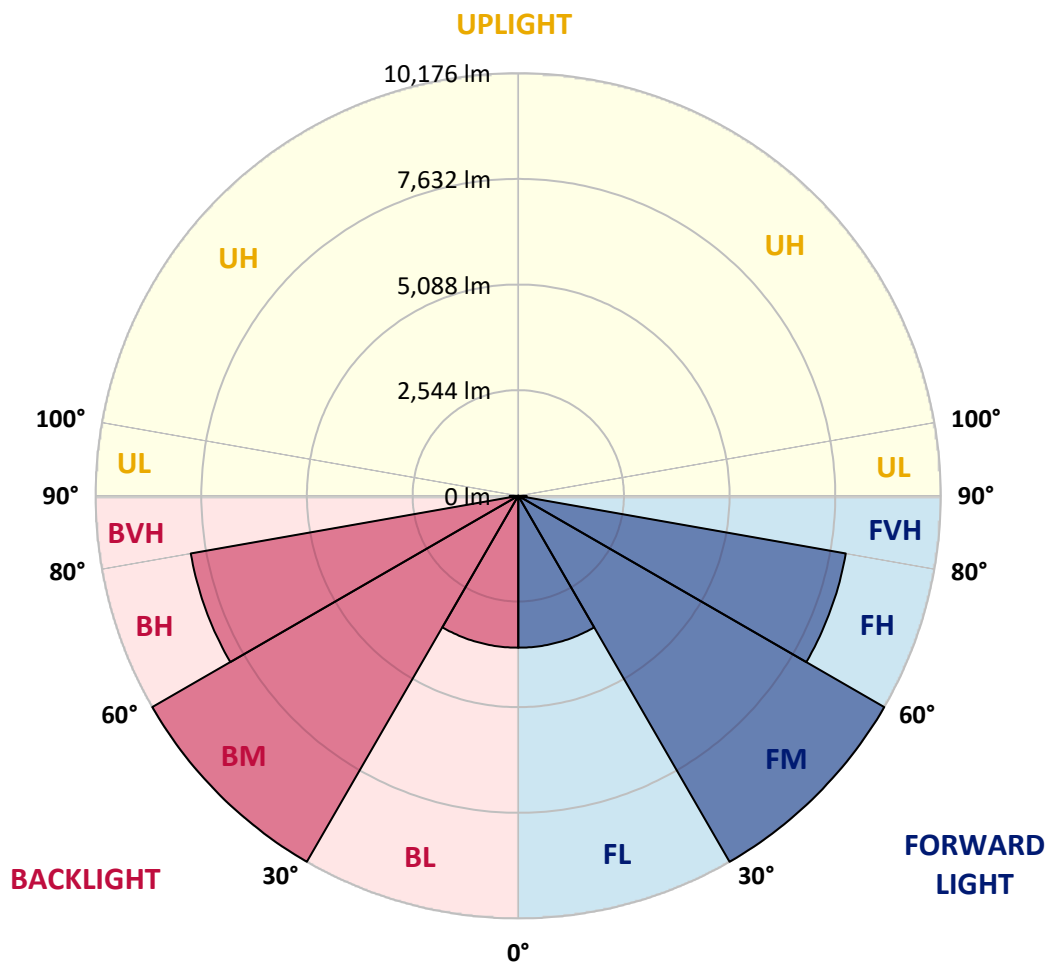
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3656.8	8.3			
FM (30°-60°)	10176.2	23.1			
FH (60°-80°)	8008.3	18.2			G4/12000
FVH (80°-90°)	202.2	0.5			G2/225
BL (0°-30°)	3656.8	8.3	B4/5000		
BM (30°-60°)	10176.2	23.1	B5		
BH (60°-80°)	8008.3	18.2	B5		G5
BVH (80°-90°)	202.2	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°	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1	8238.1
2.5°	8245.2	8254.5	8254.5	8247.5	8263.9	8249.8	8249.8	8242.8	8249.8	8242.8
5°	8287.3	8299.0	8303.7	8301.4	8322.5	8310.8	8310.8	8301.4	8303.7	8296.7
7.5°	8367.0	8383.4	8392.8	8404.5	8434.9	8420.9	8411.5	8383.4	8371.7	8352.9
10°	8392.8	8411.5	8442.0	8502.9	8573.2	8575.5	8547.4	8477.1	8423.2	8381.0
12.5°	8313.1	8338.9	8402.1	8526.3	8683.3	8746.6	8702.0	8584.9	8479.5	8404.5
15°	8212.3	8240.5	8336.5	8524.0	8755.9	8903.5	8898.9	8744.2	8575.5	8458.4
17.5°	8055.4	8083.5	8221.7	8484.1	8812.2	9055.8	9121.4	8962.1	8725.5	8568.5
20°	7771.9	7797.6	7989.8	8357.6	8830.9	9217.5	9388.6	9248.0	8952.7	8739.5
22.5°	7404.0	7443.8	7668.8	8139.7	8786.4	9386.2	9693.1	9597.1	9217.5	8922.3
25°	7010.4	7052.5	7315.0	7872.6	8671.6	9508.0	10054.0	9993.1	9517.4	9149.6
27.5°	6670.6	6715.1	7001.0	7607.8	8493.5	9554.9	10410.1	10440.6	9880.6	9400.3
30°	6403.5	6445.7	6750.3	7394.6	8263.9	9508.0	10721.7	10932.6	10250.8	9618.2
32.5°	6110.6	6164.5	6485.5	7134.6	7992.1	9395.6	10993.5	11464.5	10679.6	9852.5
35°	5740.4	5789.6	6127.0	6778.4	7636.0	9215.2	11220.8	12054.9	11293.4	10208.6
37.5°	5290.6	5337.4	5672.5	6333.2	7282.2	8962.1	11394.2	12720.4	12024.5	10721.7
40°	4838.4	4882.9	5196.9	5836.5	6858.1	8638.8	11455.1	13371.7	12863.3	11427.0
42.5°	4423.7	4463.5	4751.7	5346.8	6382.4	8226.4	11375.4	13938.7	13615.4	11919.0
45°	4041.7	4076.9	4332.3	4887.6	5888.1	7725.0	11136.5	14547.9	14510.4	12270.5
47.5°	3605.9	3641.1	3905.8	4442.4	5393.7	7136.9	10731.1	15147.7	15754.6	13067.1
50°	3074.1	3104.5	3376.3	3929.3	4880.5	6511.3	10168.8	15618.7	17324.4	14273.8
52.5°	2443.8	2476.6	2741.4	3294.3	4271.4	5838.9	9428.4	15925.6	19137.9	16035.8
55°	1818.2	1841.6	2071.2	2568.0	3516.9	5072.7	8500.5	16012.3	21195.1	18444.4
57.5°	1319.1	1333.2	1480.8	1851.0	2666.4	4114.4	7373.5	15787.4	23643.6	21532.5
60°	1068.4	1073.1	1117.6	1281.6	1853.3	3031.9	6012.2	15014.2	26300.6	25513.3
62.5°	970.0	970.0	981.7	1026.3	1253.5	2001.0	4365.1	13411.5	29149.7	30543.8
65°	902.1	902.1	906.8	927.8	988.8	1274.6	2755.4	10801.4	31551.3	36436.6
67.5°	841.2	843.5	841.2	848.2	883.3	941.9	1598.0	7460.2	32844.7	42542.5
70°	777.9	782.6	770.9	770.9	799.0	801.3	1000.5	4090.9	31771.6	47659.7
72.5°	702.9	709.9	691.2	686.5	707.6	698.2	752.1	1963.5	27277.6	49187.4
75°	637.3	646.7	604.5	592.8	592.8	585.8	611.5	1007.5	17704.0	40124.5
77.5°	578.7	597.5	529.5	492.0	482.7	461.6	499.1	616.2	7743.7	18838.0
80°	478.0	503.8	435.8	391.3	374.9	351.5	393.6	431.1	2303.2	4374.5
82.5°	356.1	367.9	309.3	278.8	264.8	248.4	295.2	299.9	749.8	1548.7
85°	227.3	232.0	189.8	164.0	157.0	150.0	187.4	164.0	285.9	1138.7
87.5°	79.7	91.4	72.6	65.6	70.3	58.6	86.7	49.2	79.7	803.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8238.1
8242.8
8296.7
8352.9
8374.0
8392.8
8439.6
8542.7
8699.7
8868.4
9074.6
9320.6
9503.4
9707.2
10046.9
10506.2
11197.4
11623.8
11872.2
12607.9
13697.4
15325.8
17556.4
20414.9
24105.2
28657.7
34051.4
39967.5
46982.6
50968.1
42917.4
18446.7
4189.4
1750.2
1654.2
995.8
0.0

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