

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: P850144

Luminaire Tested: **GLAN-SB7C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850144
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-SB7C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 51703 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

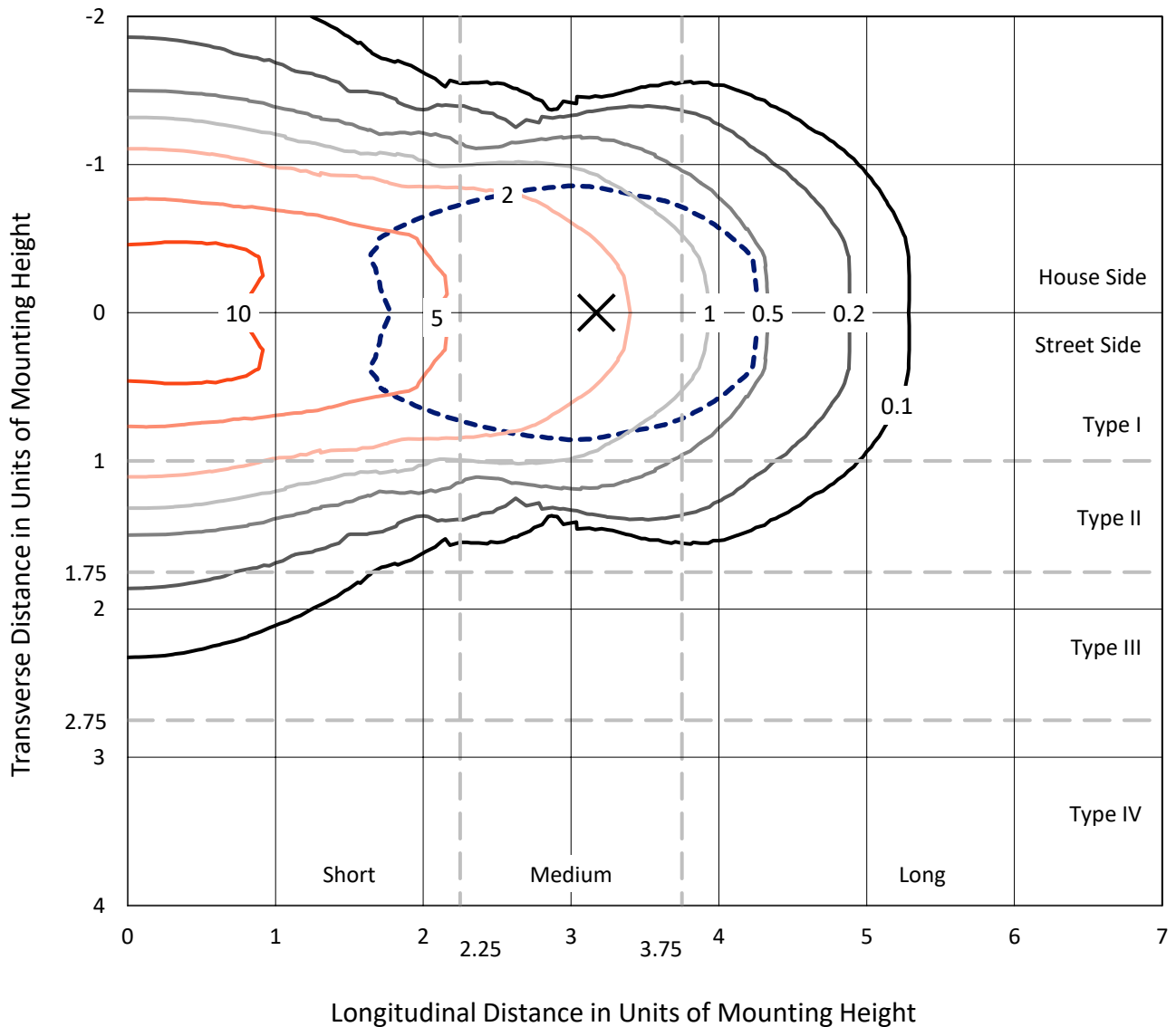
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

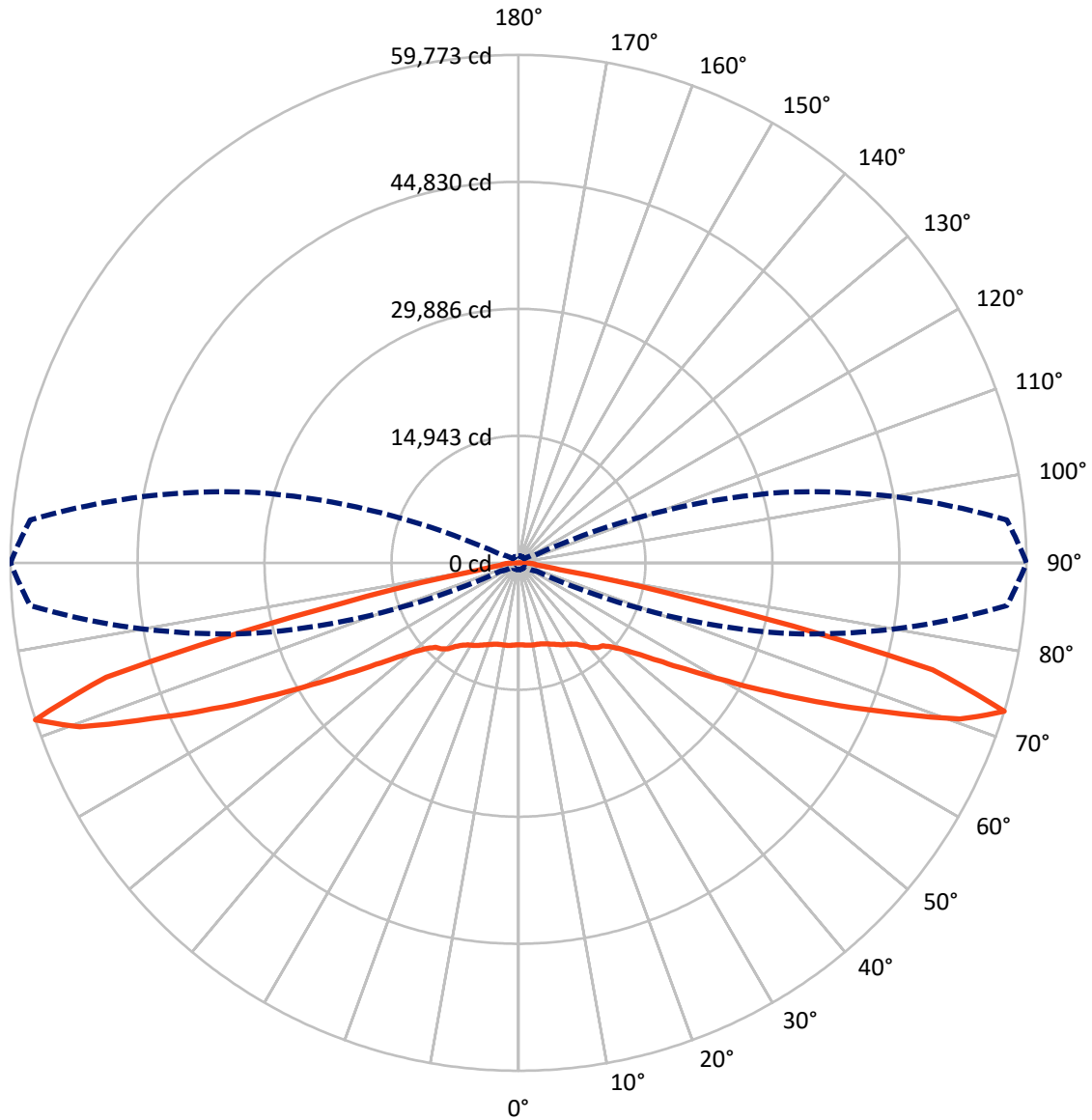
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	25851.5	0.0	25851.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25851.5	0.0	25851.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51703.0	0.0	51703.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.8	1.8
10°-20°	2864.3	5.5
20°-30°	4775.9	9.2
30°-40°	6568.4	12.7
40°-50°	8021.8	15.5
50°-60°	9278.1	17.9
60°-70°	11062.6	21.4
70°-80°	7720.9	14.9
80°-90°	474.2	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°	51703.0	100.0
0°-180°	51703.0	100.0

Coefficient of Utilization



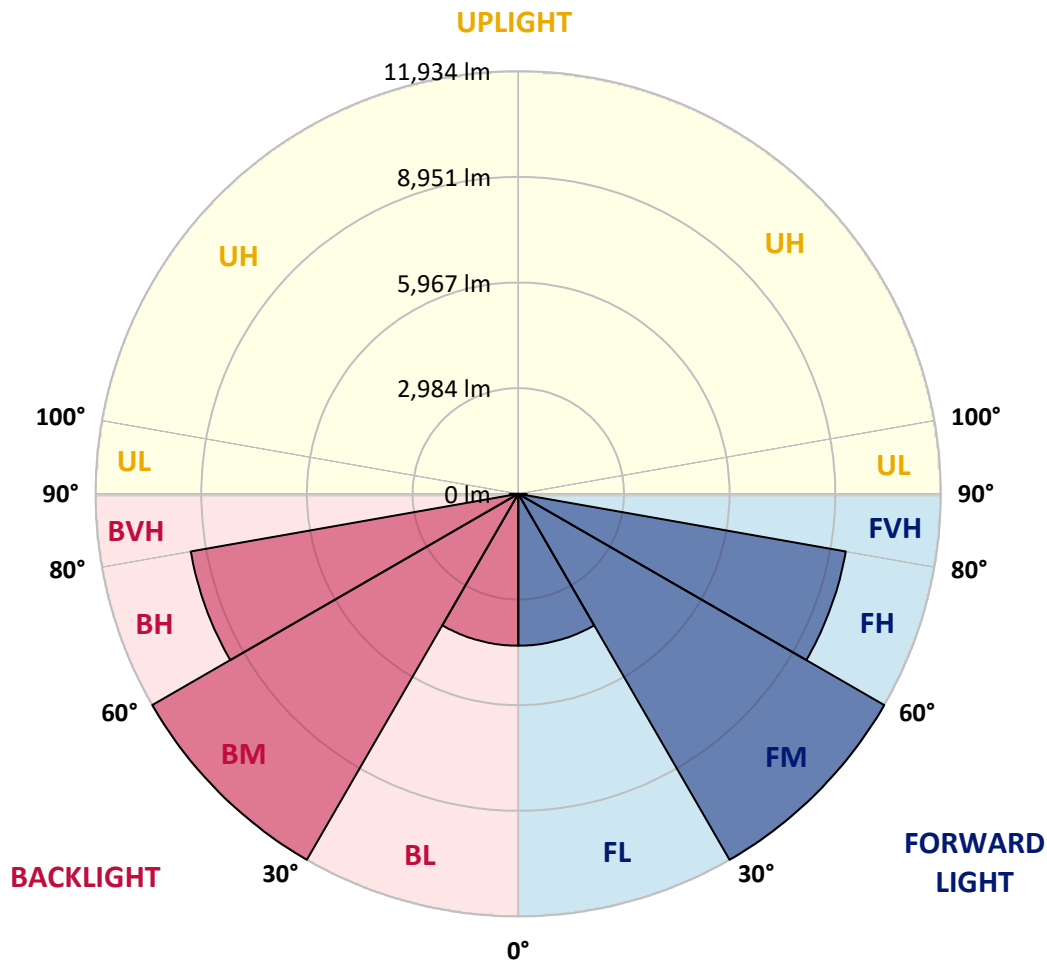
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4288.5	8.3			
FM (30°-60°)	11934.1	23.1			
FH (60°-80°)	9391.8	18.2			G4/12000
FVH (80°-90°)	237.1	0.5			G3/500
BL (0°-30°)	4288.5	8.3	B4/5000		
BM (30°-60°)	11934.1	23.1	B5		
BH (60°-80°)	9391.8	18.2	B5		G5
BVH (80°-90°)	237.1	0.5			G3/500
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°	9661.3	9661.3	9661.3	9661.3	9661.3	9661.3	9661.3	9661.3	9661.3	9661.3
2.5°	9669.5	9680.5	9680.5	9672.2	9691.5	9675.0	9675.0	9666.7	9675.0	9666.7
5°	9719.0	9732.7	9738.2	9735.4	9760.2	9746.4	9746.4	9735.4	9738.2	9729.9
7.5°	9812.4	9831.6	9842.6	9856.3	9892.1	9875.6	9864.6	9831.6	9817.9	9795.9
10°	9842.6	9864.6	9900.3	9971.8	10054.2	10056.9	10024.0	9941.5	9878.3	9828.9
12.5°	9749.2	9779.4	9853.6	9999.2	10183.3	10257.5	10205.3	10067.9	9944.3	9856.3
15°	9631.0	9664.0	9776.7	9996.5	10268.5	10441.6	10436.1	10254.8	10056.9	9919.5
17.5°	9446.9	9479.9	9642.0	9949.8	10334.5	10620.2	10697.2	10510.3	10232.8	10048.7
20°	9114.4	9144.7	9370.0	9801.4	10356.4	10809.8	11010.4	10845.6	10499.3	10249.3
22.5°	8683.0	8729.7	8993.5	9545.8	10304.2	11007.7	11367.6	11255.0	10809.8	10463.6
25°	8221.4	8270.9	8578.6	9232.6	10169.6	11150.6	11790.8	11719.4	11161.5	10730.1
27.5°	7823.0	7875.2	8210.4	8922.1	9960.8	11205.5	12208.5	12244.2	11587.5	11024.2
30°	7509.7	7559.2	7916.4	8672.0	9691.5	11150.6	12573.9	12821.2	12021.6	11279.7
32.5°	7166.3	7229.5	7605.9	8367.0	9372.7	11018.7	12892.7	13445.0	12524.5	11554.5
35°	6732.1	6789.8	7185.5	7949.4	8955.1	10807.1	13159.2	14137.4	13244.4	11972.1
37.5°	6204.5	6259.5	6652.4	7427.3	8540.2	10510.3	13362.5	14917.8	14101.7	12573.9
40°	5674.2	5726.4	6094.6	6844.8	8042.8	10131.1	13434.0	15681.7	15085.4	13401.0
42.5°	5187.8	5234.6	5572.5	6270.5	7485.0	9647.5	13340.6	16346.6	15967.4	13978.0
45°	4739.9	4781.2	5080.7	5731.9	6905.2	9059.5	13060.3	17061.1	17017.1	14390.2
47.5°	4228.9	4270.1	4580.6	5209.8	6325.4	8369.8	12584.9	17764.5	18476.2	15324.5
50°	3605.1	3640.8	3959.6	4608.1	5723.7	7636.1	11925.4	18316.8	20317.2	16739.6
52.5°	2866.0	2904.4	3214.9	3863.4	5009.2	6847.5	11057.1	18676.8	22444.0	18805.9
55°	2132.3	2159.8	2429.1	3011.6	4124.4	5949.0	9969.0	18778.4	24856.6	21630.7
57.5°	1547.0	1563.5	1736.6	2170.8	3127.0	4825.1	8647.3	18514.7	27728.0	25252.2
60°	1253.0	1258.5	1310.7	1503.0	2173.5	3555.6	7050.8	17607.9	30844.0	29920.8
62.5°	1137.6	1137.6	1151.3	1203.5	1470.1	2346.6	5119.1	15728.4	34185.3	35820.3
65°	1057.9	1057.9	1063.4	1088.1	1159.6	1494.8	3231.4	12667.3	37001.8	42731.0
67.5°	986.5	989.2	986.5	994.7	1035.9	1104.6	1874.0	8749.0	38518.6	49891.7
70°	912.3	917.8	904.0	904.0	937.0	939.7	1173.3	4797.7	37260.1	55892.9
72.5°	824.3	832.6	810.6	805.1	829.8	818.8	882.0	2302.7	31989.8	57684.5
75°	747.4	758.4	708.9	695.2	695.2	686.9	717.2	1181.6	20762.3	47056.0
77.5°	678.7	700.7	621.0	577.0	566.0	541.3	585.3	722.7	9081.5	22092.3
80°	560.6	590.8	511.1	458.9	439.6	412.2	461.6	505.6	2701.1	5130.1
82.5°	417.7	431.4	362.7	327.0	310.5	291.3	346.2	351.7	879.3	1816.3
85°	266.5	272.0	222.6	192.3	184.1	175.9	219.8	192.3	335.2	1335.4
87.5°	93.4	107.2	85.2	76.9	82.4	68.7	101.7	57.7	93.4	942.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9661.3
9666.7
9729.9
9795.9
9820.6
9842.6
9897.6
10018.5
10202.6
10400.4
10642.2
10930.7
11145.1
11384.1
11782.5
12321.1
13131.7
13631.8
13923.1
14785.9
16063.6
17973.3
20589.2
23941.5
28269.3
33608.3
39933.7
46871.9
55098.8
59772.8
50331.4
21633.4
4913.1
2052.6
1939.9
1167.8
0.0

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