

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: P850824

Luminaire Tested: **GLAN-SB8C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850824
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-SB8C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 58788 lumens
Efficiency: N/A
Efficacy: 147.0 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

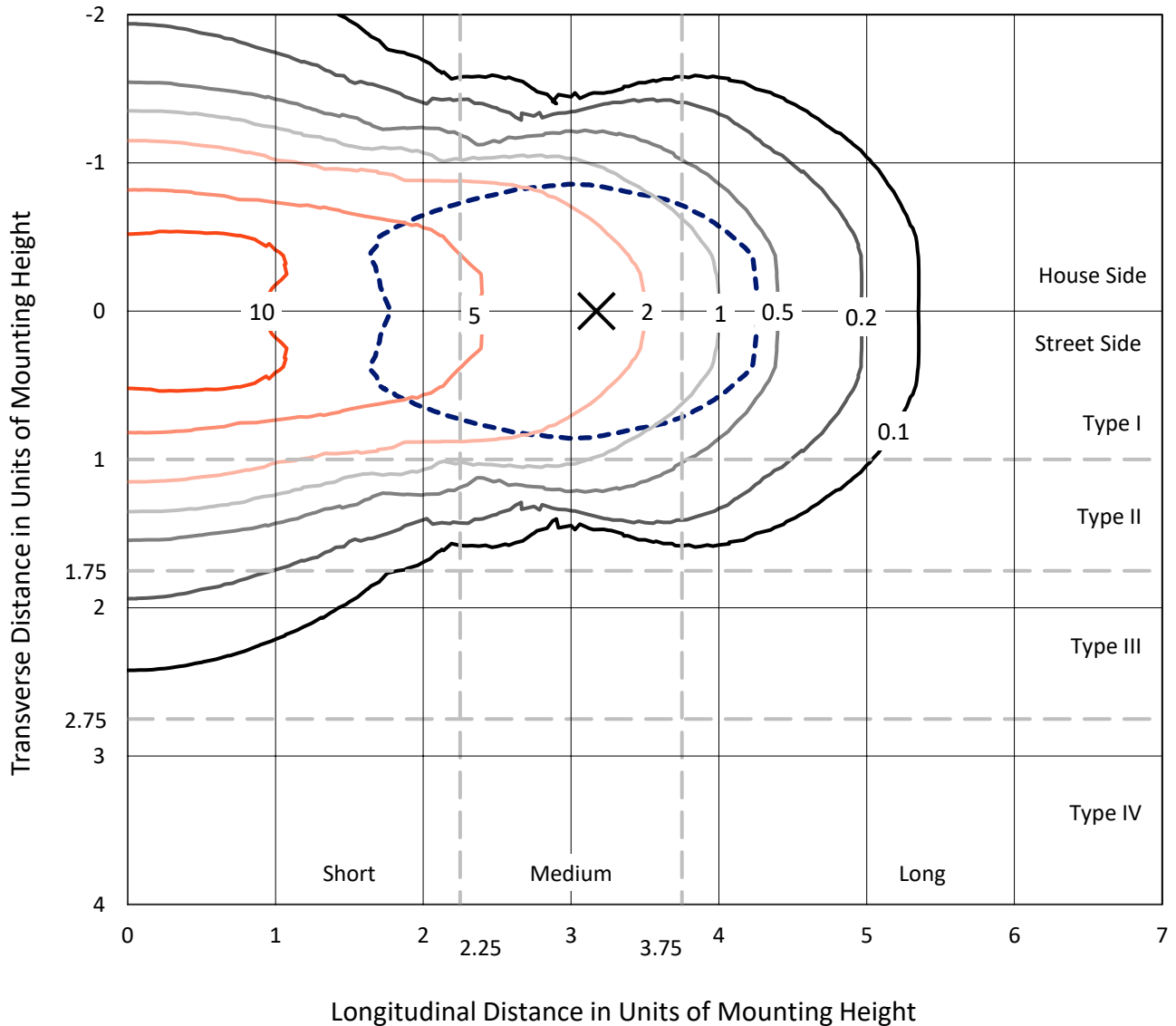
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

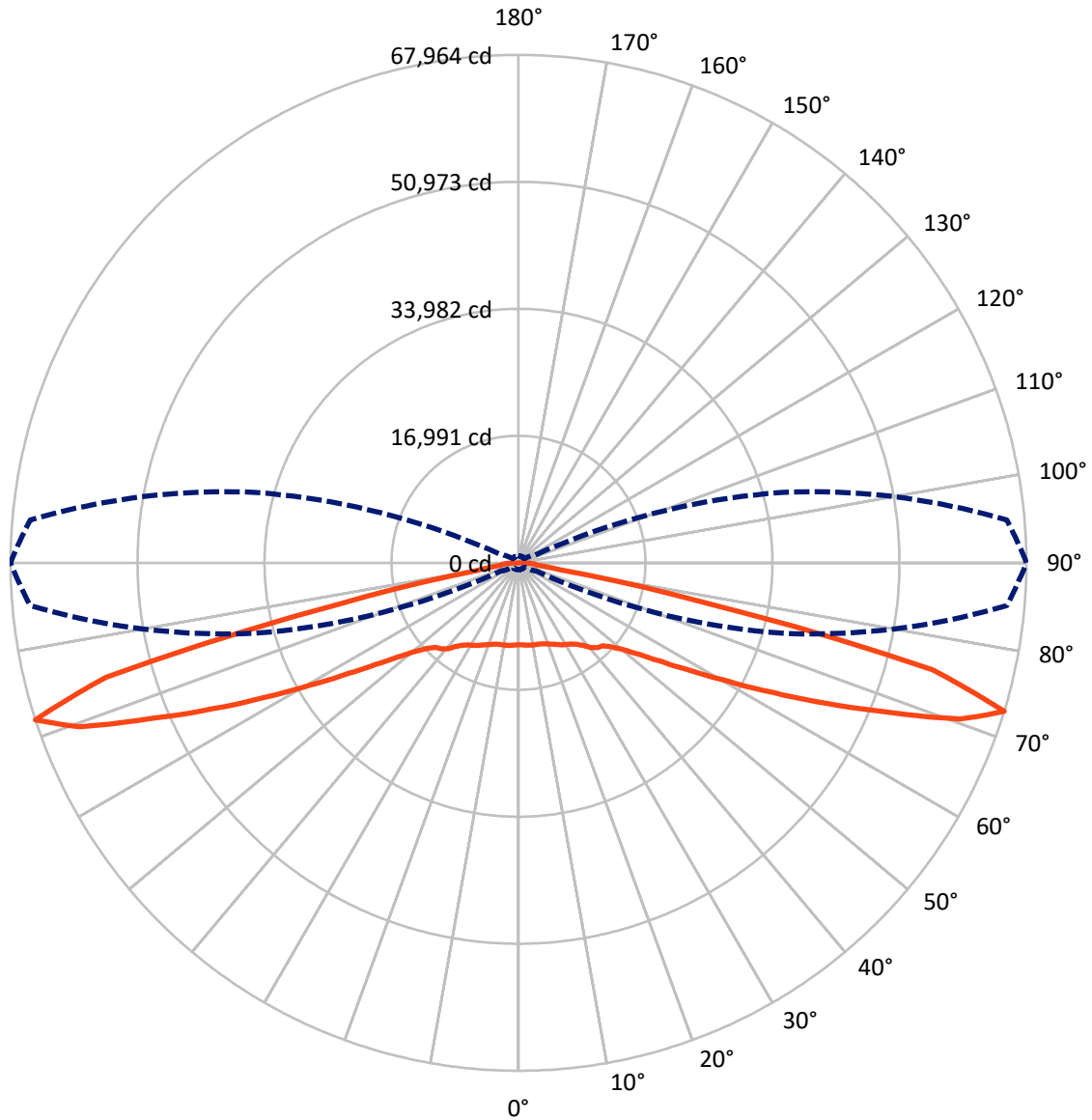
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 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	29394.0	0.0	29394.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29394.0	0.0	29394.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58788.0	0.0	58788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.1	1.8
10°-20°	3256.8	5.5
20°-30°	5430.4	9.2
30°-40°	7468.5	12.7
40°-50°	9121.0	15.5
50°-60°	10549.5	17.9
60°-70°	12578.5	21.4
70°-80°	8779.0	14.9
80°-90°	539.2	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°	58788.0	100.0
0°-180°	58788.0	100.0

Coefficient of Utilization

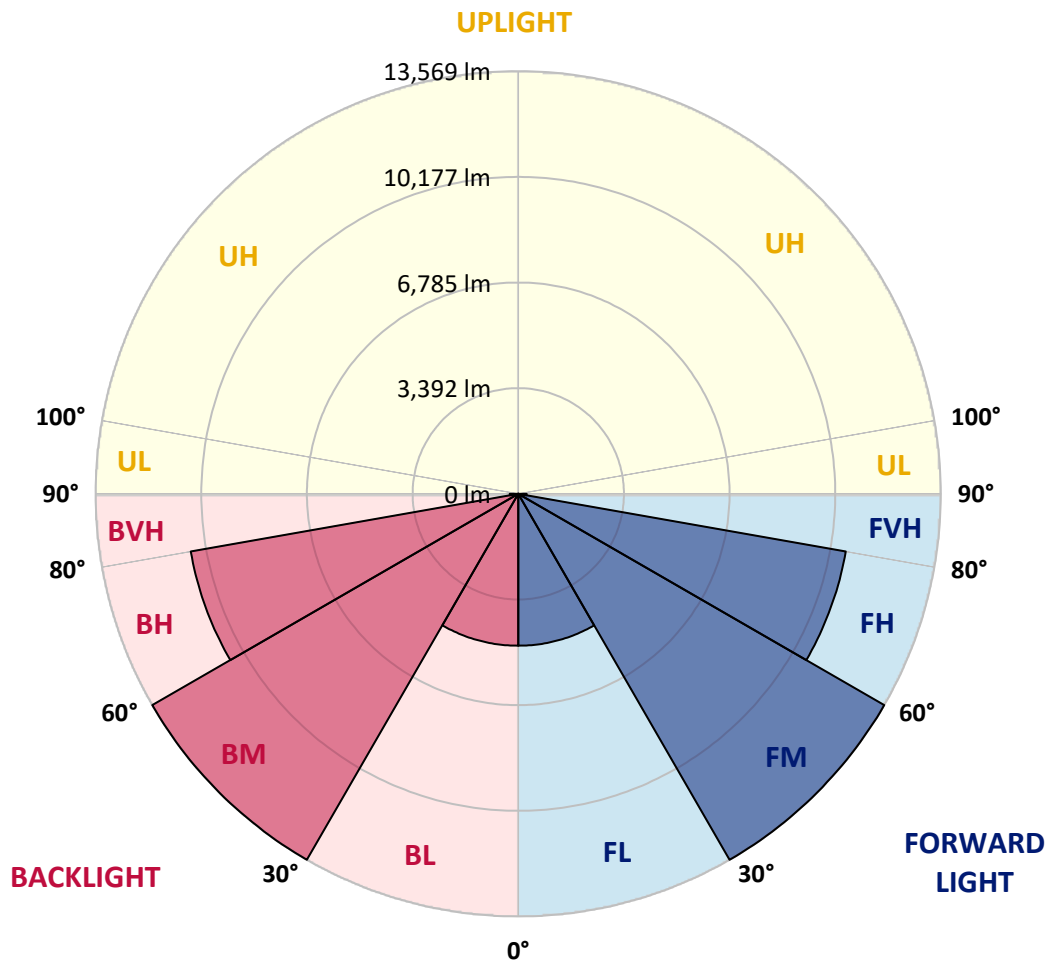


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4876.2	8.3			
FM (30°-60°)	13569.5	23.1			
FH (60°-80°)	10678.7	18.2			G4/12000
FVH (80°-90°)	269.6	0.5			G3/500
BL (0°-30°)	4876.2	8.3	B4/5000		
BM (30°-60°)	13569.5	23.1	B5		
BH (60°-80°)	10678.7	18.2	B5		G5
BVH (80°-90°)	269.6	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°	10985.2	10985.2	10985.2	10985.2	10985.2	10985.2	10985.2	10985.2	10985.2	10985.2
2.5°	10994.5	11007.0	11007.0	10997.7	11019.5	11000.8	11000.8	10991.4	11000.8	10991.4
5°	11050.8	11066.4	11072.6	11069.5	11097.6	11082.0	11082.0	11069.5	11072.6	11063.3
7.5°	11157.0	11178.9	11191.4	11207.0	11247.6	11228.9	11216.4	11178.9	11163.2	11138.3
10°	11191.4	11216.4	11257.0	11338.2	11431.9	11435.1	11397.6	11303.8	11232.0	11175.7
12.5°	11085.1	11119.5	11203.9	11369.5	11578.8	11663.1	11603.8	11447.6	11307.0	11207.0
15°	10950.8	10988.3	11116.4	11366.3	11675.6	11872.5	11866.2	11660.0	11435.1	11278.8
17.5°	10741.5	10779.0	10963.3	11313.2	11750.6	12075.6	12163.0	11950.6	11635.0	11425.7
20°	10363.4	10397.8	10654.0	11144.5	11775.6	12291.1	12519.2	12331.7	11938.1	11653.8
22.5°	9872.9	9926.0	10225.9	10853.9	11716.3	12516.1	12925.4	12797.3	12291.1	11897.5
25°	9348.0	9404.2	9754.2	10497.8	11563.2	12678.5	13406.5	13325.3	12691.0	12200.5
27.5°	8895.0	8954.3	9335.5	10144.7	11325.7	12741.0	13881.4	13922.0	13175.3	12534.8
30°	8538.8	8595.0	9001.2	9860.4	11019.5	12678.5	14297.0	14578.1	13669.0	12825.4
32.5°	8148.3	8220.1	8648.2	9513.6	10657.1	12528.6	14659.4	15287.4	14240.7	13137.8
35°	7654.6	7720.2	8170.1	9038.7	10182.2	12288.0	14962.4	16074.7	15059.3	13612.7
37.5°	7054.7	7117.2	7564.0	8445.1	9710.4	11950.6	15193.6	16962.0	16034.1	14297.0
40°	6451.7	6511.1	6929.8	7782.7	9144.9	11519.4	15274.9	17830.6	17152.6	15237.4
42.5°	5898.7	5951.9	6336.1	7129.7	8510.7	10969.5	15168.6	18586.7	18155.5	15893.5
45°	5389.5	5436.3	5776.9	6517.4	7851.5	10300.9	14850.0	19399.0	19349.0	16362.1
47.5°	4808.4	4855.2	5208.3	5923.7	7192.2	9516.7	14309.4	20198.8	21008.0	17424.4
50°	4099.1	4139.7	4502.2	5239.5	6508.0	8682.5	13559.6	20826.8	23101.3	19033.4
52.5°	3258.7	3302.4	3655.5	4392.8	5695.7	7785.8	12572.3	21236.1	25519.6	21382.9
55°	2424.5	2455.7	2761.9	3424.3	4689.6	6764.2	11335.1	21351.7	28262.7	24594.8
57.5°	1759.0	1777.7	1974.6	2468.2	3555.5	5486.3	9832.3	21051.8	31527.7	28712.6
60°	1424.7	1430.9	1490.3	1709.0	2471.3	4042.9	8017.0	20020.7	35070.6	34020.9
62.5°	1293.5	1293.5	1309.1	1368.5	1671.5	2668.2	5820.6	17883.7	38869.8	40728.8
65°	1202.9	1202.9	1209.1	1237.2	1318.5	1699.6	3674.2	14403.2	42072.3	48586.5
67.5°	1121.6	1124.8	1121.6	1131.0	1177.9	1256.0	2130.8	9947.9	43796.9	56728.5
70°	1037.3	1043.5	1027.9	1027.9	1065.4	1068.5	1334.1	5455.1	42366.0	63552.1
72.5°	937.3	946.7	921.7	915.4	943.5	931.1	1002.9	2618.2	36373.5	65589.1
75°	849.8	862.3	806.1	790.5	790.5	781.1	815.5	1343.5	23607.5	53504.2
77.5°	771.7	796.7	706.1	656.1	643.6	615.5	665.5	821.7	10325.9	25119.6
80°	637.4	671.7	581.1	521.8	499.9	468.7	524.9	574.9	3071.2	5833.1
82.5°	474.9	490.5	412.4	371.8	353.0	331.2	393.7	399.9	999.8	2065.2
85°	303.1	309.3	253.1	218.7	209.3	200.0	249.9	218.7	381.2	1518.4
87.5°	106.2	121.8	96.9	87.5	93.7	78.1	115.6	65.6	106.2	1071.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10985.2
10991.4
11063.3
11138.3
11166.4
11191.4
11253.9
11391.3
11600.7
11825.6
12100.5
12428.6
12672.3
12944.1
13397.1
14009.5
14931.2
15499.8
15831.0
16812.0
18264.9
20436.3
23410.6
27222.3
32143.1
38213.7
45405.9
53294.9
62649.1
67963.6
57228.4
24597.9
5586.3
2333.9
2205.8
1327.8
0.0

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