

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: P849504

Luminaire Tested: **GLAN-SB6C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849504
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35821 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

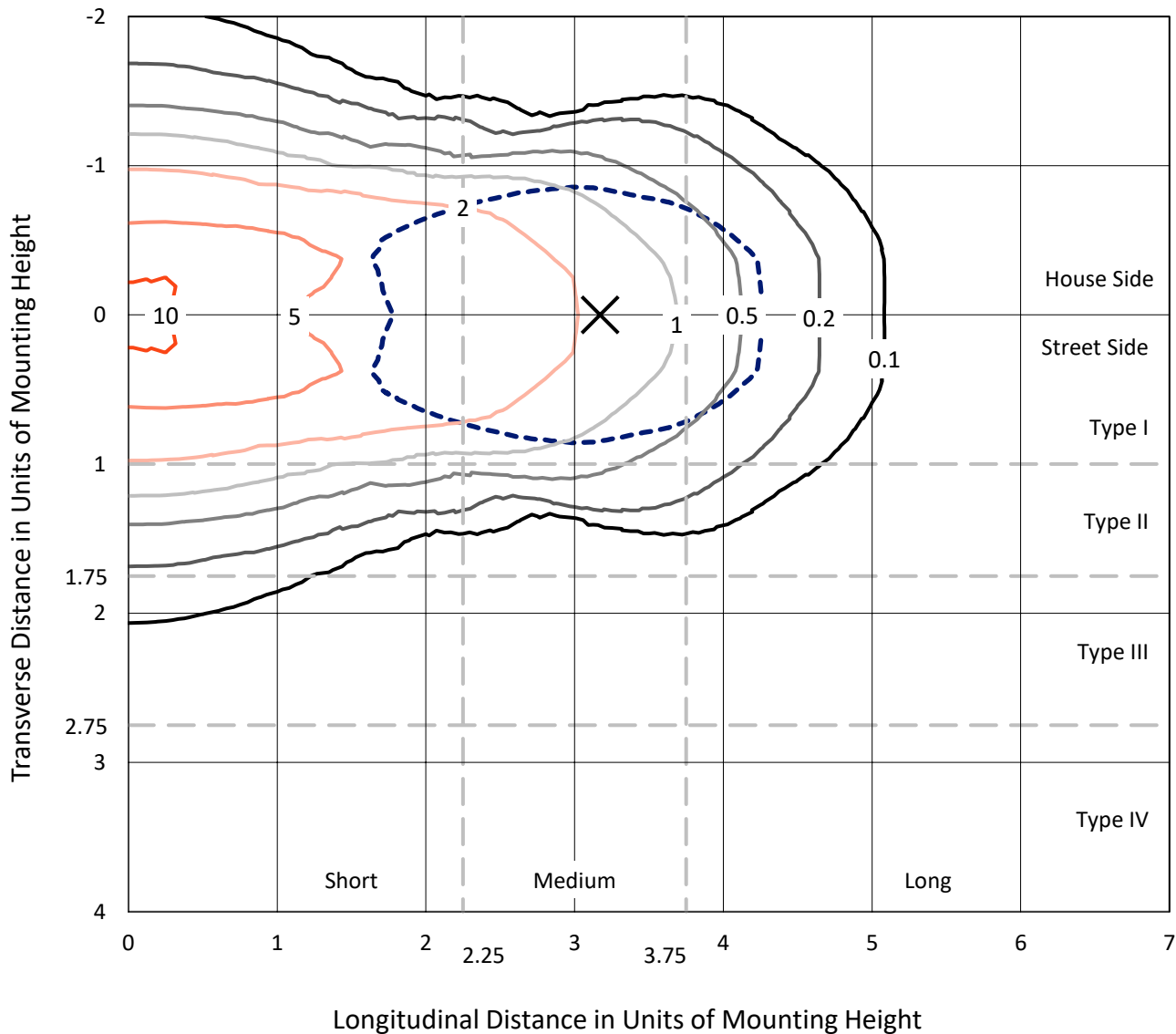
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

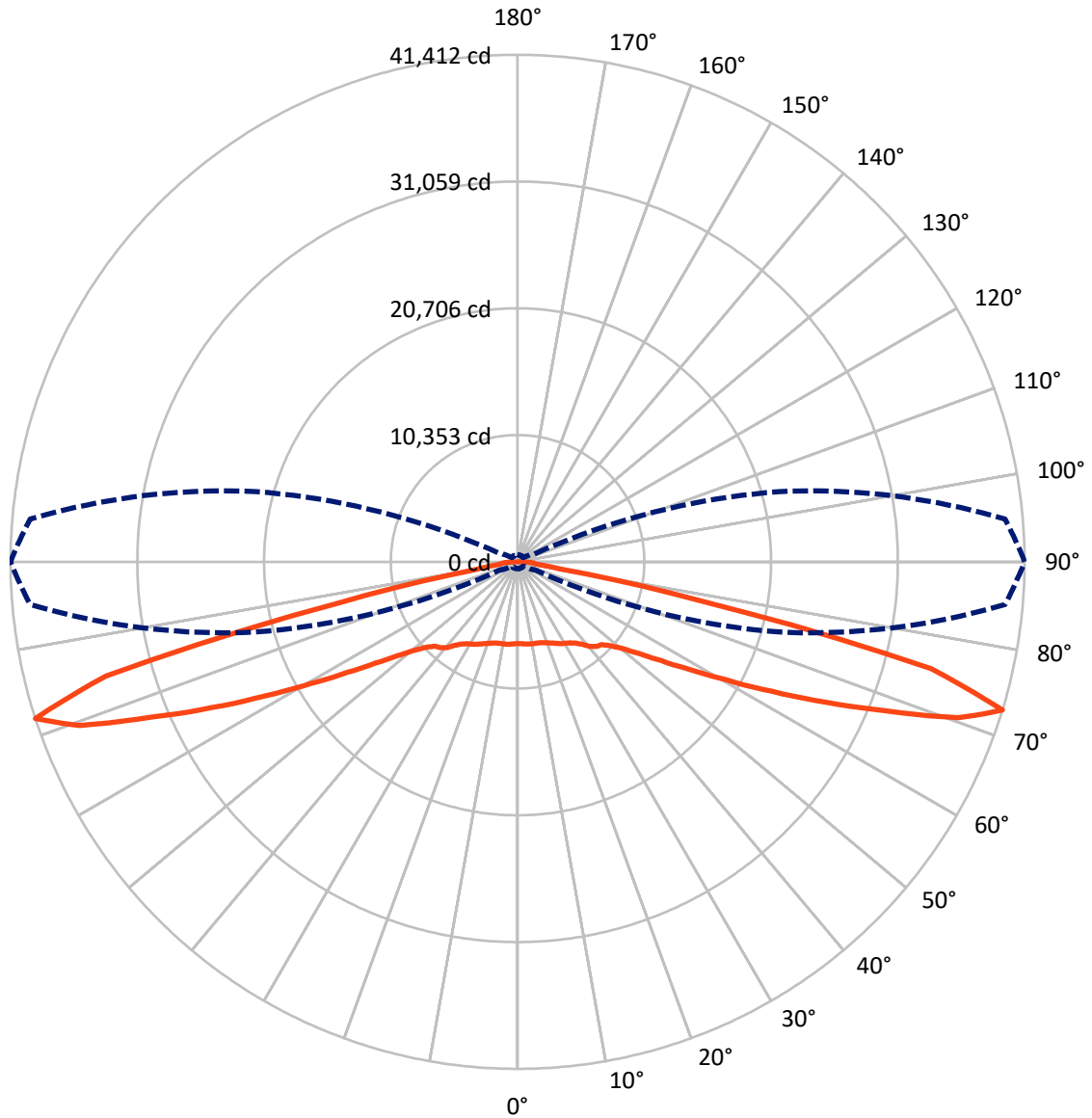
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	17910.5	0.0	17910.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17910.5	0.0	17910.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35821.0	0.0	35821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.0	1.8
10°-20°	1984.4	5.5
20°-30°	3308.9	9.2
30°-40°	4550.7	12.7
40°-50°	5557.7	15.5
50°-60°	6428.1	17.9
60°-70°	7664.4	21.4
70°-80°	5349.2	14.9
80°-90°	328.6	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°	35821.0	100.0
0°-180°	35821.0	100.0

Coefficient of Utilization

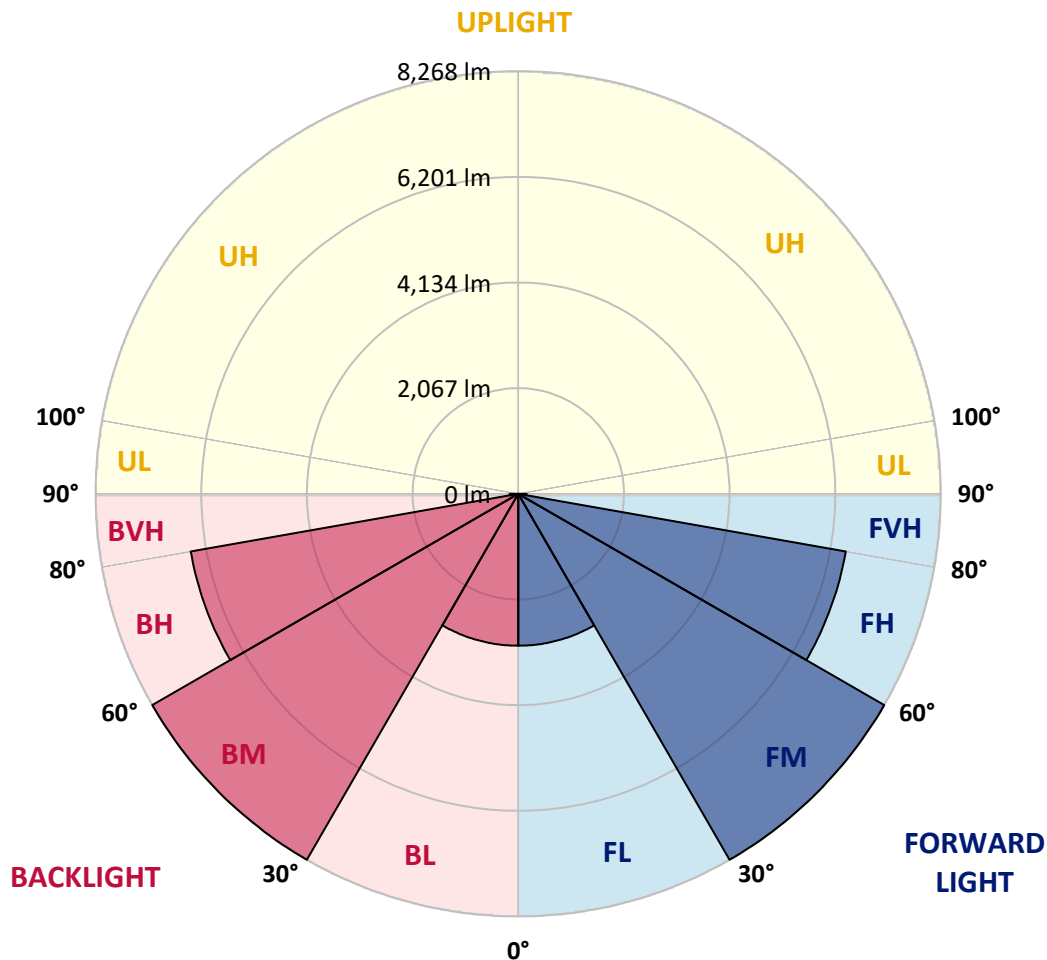


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2971.2	8.3			
FM (30°-60°)	8268.2	23.1			
FH (60°-80°)	6506.8	18.2			G3/7500
FVH (80°-90°)	164.3	0.5			G2/225
BL (0°-30°)	2971.2	8.3	B4/5000		
BM (30°-60°)	8268.2	23.1	B4/8500		
BH (60°-80°)	6506.8	18.2	B5		G5
BVH (80°-90°)	164.3	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°	6693.5	6693.5	6693.5	6693.5	6693.5	6693.5	6693.5	6693.5	6693.5	6693.5
2.5°	6699.2	6706.9	6706.9	6701.1	6714.5	6703.1	6703.1	6697.3	6703.1	6697.3
5°	6733.5	6743.0	6746.8	6744.9	6762.1	6752.5	6752.5	6744.9	6746.8	6741.1
7.5°	6798.2	6811.6	6819.2	6828.7	6853.4	6842.0	6834.4	6811.6	6802.0	6786.8
10°	6819.2	6834.4	6859.2	6908.7	6965.8	6967.7	6944.8	6887.7	6843.9	6809.7
12.5°	6754.5	6775.4	6826.8	6927.7	7055.2	7106.6	7070.5	6975.3	6889.6	6828.7
15°	6672.6	6695.4	6773.5	6925.8	7114.3	7234.2	7230.4	7104.7	6967.7	6872.5
17.5°	6545.0	6567.9	6680.2	6893.4	7159.9	7357.9	7411.2	7281.8	7089.5	6962.0
20°	6314.7	6335.6	6491.7	6790.6	7175.2	7489.3	7628.3	7514.0	7274.2	7100.9
22.5°	6015.8	6048.2	6230.9	6613.6	7139.0	7626.4	7875.8	7797.7	7489.3	7249.4
25°	5696.0	5730.2	5943.5	6396.5	7045.7	7725.4	8168.9	8119.4	7733.0	7434.1
27.5°	5419.9	5456.1	5688.4	6181.4	6901.0	7763.4	8458.3	8483.0	8028.1	7637.8
30°	5202.9	5237.2	5484.7	6008.2	6714.5	7725.4	8711.5	8882.8	8328.8	7814.8
32.5°	4964.9	5008.7	5269.5	5796.9	6493.6	7634.0	8932.3	9315.0	8677.2	8005.2
35°	4664.2	4704.1	4978.3	5507.5	6204.3	7487.4	9117.0	9794.7	9176.0	8294.6
37.5°	4298.6	4336.7	4608.9	5145.8	5916.8	7281.8	9257.9	10335.4	9770.0	8711.5
40°	3931.2	3967.4	4222.5	4742.2	5572.2	7019.1	9307.4	10864.6	10451.5	9284.5
42.5°	3594.3	3626.6	3860.8	4344.3	5185.8	6684.0	9242.6	11325.3	11062.6	9684.3
45°	3283.9	3312.5	3520.0	3971.2	4784.1	6276.6	9048.5	11820.3	11789.8	9969.9
47.5°	2929.8	2958.4	3173.5	3609.5	4382.4	5798.8	8719.1	12307.6	12800.7	10617.1
50°	2497.7	2522.4	2743.3	3192.6	3965.5	5290.5	8262.2	12690.3	14076.2	11597.6
52.5°	1985.6	2012.2	2227.4	2676.7	3470.5	4744.1	7660.6	12939.7	15549.7	13029.2
55°	1477.3	1496.3	1682.9	2086.5	2857.5	4121.6	6906.8	13010.1	17221.2	14986.2
57.5°	1071.8	1083.2	1203.2	1504.0	2166.5	3343.0	5991.1	12827.4	19210.6	17495.3
60°	868.1	871.9	908.1	1041.3	1505.9	2463.4	4885.0	12199.1	21369.4	20729.8
62.5°	788.1	788.1	797.7	833.8	1018.5	1625.8	3546.7	10897.0	23684.4	24817.1
65°	732.9	732.9	736.7	753.9	803.4	1035.6	2238.8	8776.2	25635.7	29605.0
67.5°	683.4	685.3	683.4	689.2	717.7	765.3	1298.3	6061.5	26686.6	34566.1
70°	632.0	635.8	626.3	626.3	649.2	651.1	812.9	3323.9	25814.6	38723.9
72.5°	571.1	576.8	561.6	557.8	574.9	567.3	611.1	1595.3	22163.3	39965.1
75°	517.8	525.4	491.2	481.6	481.6	475.9	496.9	818.6	14384.6	32601.5
77.5°	470.2	485.5	430.2	399.8	392.2	375.0	405.5	500.7	6291.8	15306.0
80°	388.4	409.3	354.1	317.9	304.6	285.6	319.8	350.3	1871.4	3554.3
82.5°	289.4	298.9	251.3	226.5	215.1	201.8	239.9	243.7	609.2	1258.4
85°	184.7	188.5	154.2	133.3	127.6	121.8	152.3	133.3	232.3	925.2
87.5°	64.7	74.2	59.0	53.3	57.1	47.6	70.4	40.0	64.7	653.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6693.5
6697.3
6741.1
6786.8
6803.9
6819.2
6857.3
6941.0
7068.6
7205.6
7373.2
7573.1
7721.5
7887.2
8163.2
8536.3
9097.9
9444.4
9646.2
10244.0
11129.2
12452.3
14264.7
16587.2
19585.6
23284.6
27667.0
32473.9
38173.7
41411.9
34870.7
14988.1
3403.9
1422.1
1344.0
809.1
0.0

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