

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: P847254

Luminaire Tested: **GLAN-SB3B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847254  
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-SB3B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16401 lumens  
Efficiency: N/A  
Efficacy: 150.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

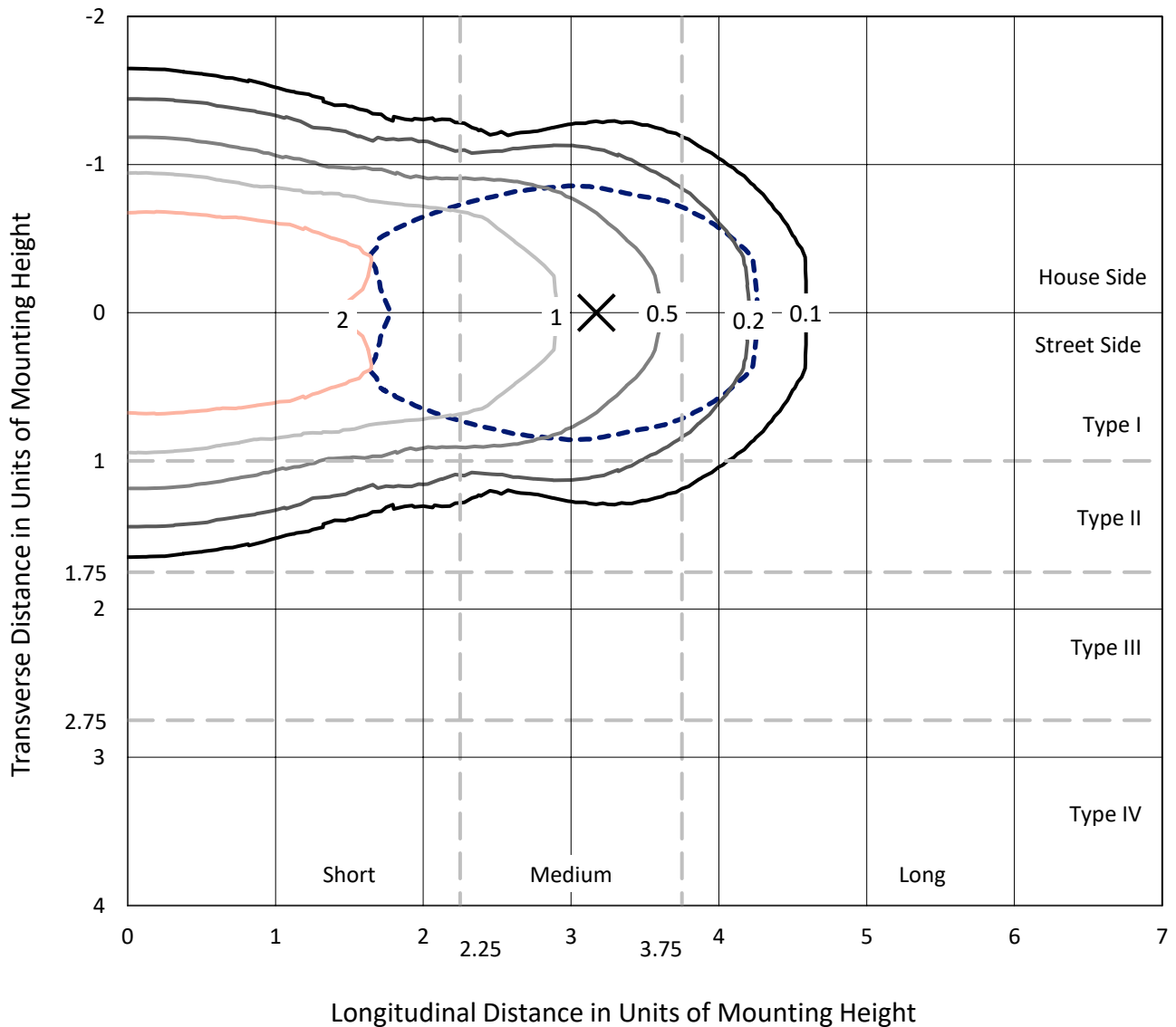
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

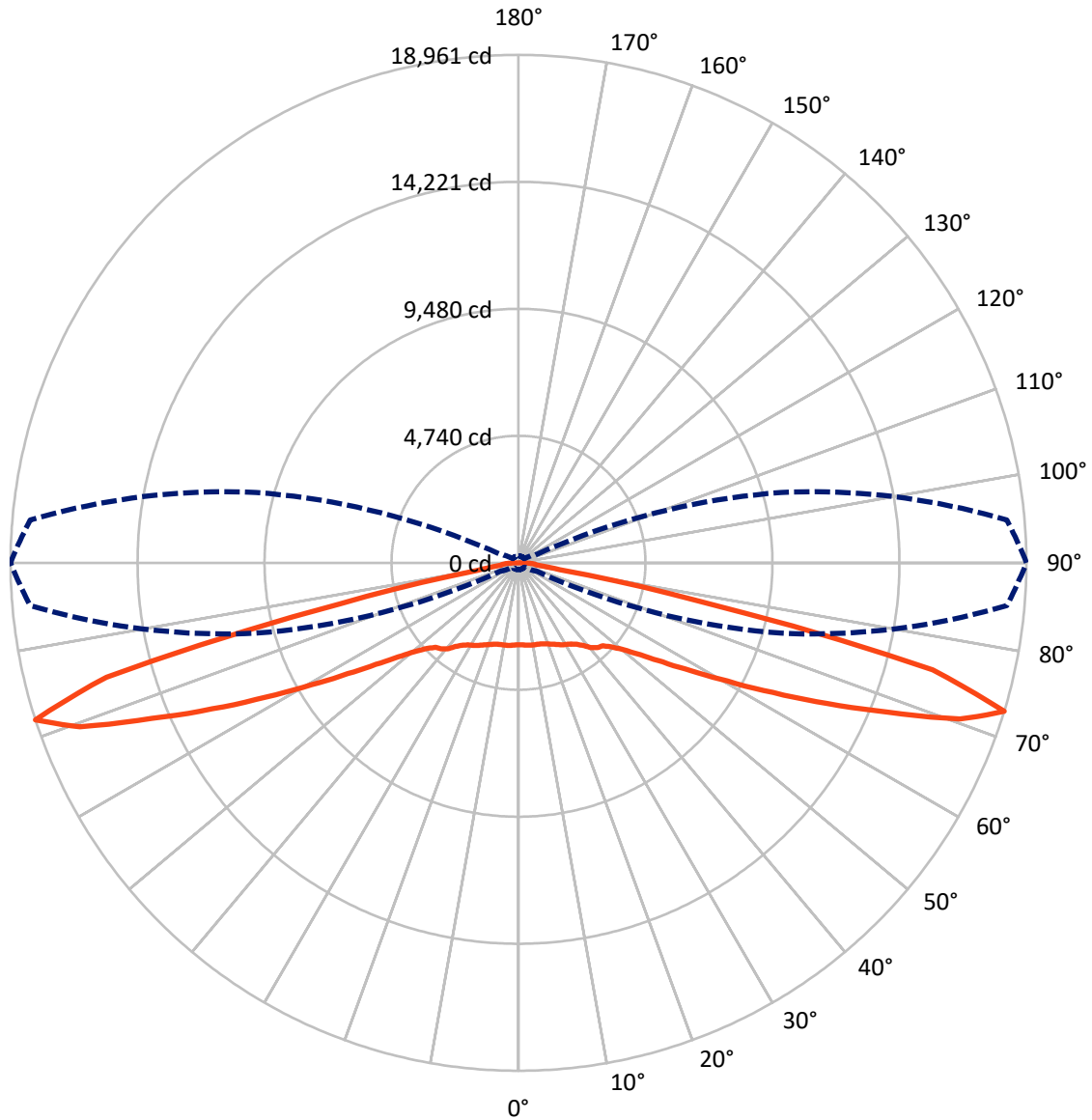
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
<b>House Side</b>	Lumens	8200.5	0.0	8200.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8200.5	0.0	8200.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16401.0	0.0	16401.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.2	1.8
10°-20°	908.6	5.5
20°-30°	1515.0	9.2
30°-40°	2083.6	12.7
40°-50°	2544.6	15.5
50°-60°	2943.1	17.9
60°-70°	3509.2	21.4
70°-80°	2449.2	14.9
80°-90°	150.4	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°	16401.0	100.0
0°-180°	16401.0	100.0

**Coefficient of Utilization**



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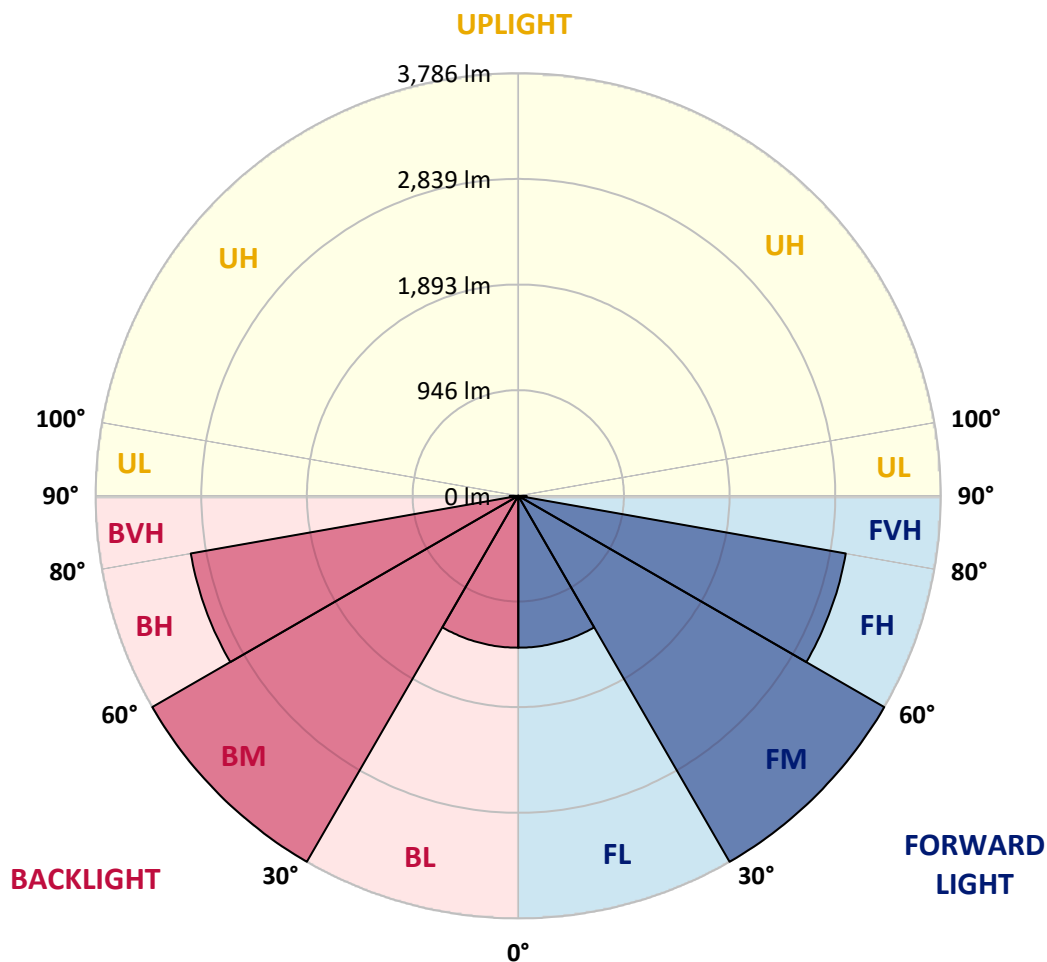
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1360.4	8.3			
FM (30°-60°)	3785.7	23.1			
FH (60°-80°)	2979.2	18.2			G2/5000
FVH (80°-90°)	75.2	0.5			G1/100
BL (0°-30°)	1360.4	8.3	B3/2500		
BM (30°-60°)	3785.7	23.1	B3/5000		
BH (60°-80°)	2979.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	75.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3064.7	3064.7	3064.7	3064.7	3064.7	3064.7	3064.7	3064.7	3064.7	3064.7
2.5°	3067.3	3070.8	3070.8	3068.2	3074.3	3069.1	3069.1	3066.4	3069.1	3066.4
5°	3083.0	3087.4	3089.1	3088.2	3096.1	3091.7	3091.7	3088.2	3089.1	3086.5
7.5°	3112.6	3118.7	3122.2	3126.6	3137.9	3132.7	3129.2	3118.7	3114.4	3107.4
10°	3122.2	3129.2	3140.5	3163.2	3189.3	3190.2	3179.8	3153.6	3133.6	3117.9
12.5°	3092.6	3102.2	3125.7	3171.9	3230.3	3253.8	3237.3	3193.7	3154.5	3126.6
15°	3055.1	3065.6	3101.3	3171.0	3257.3	3312.2	3310.5	3253.0	3190.2	3146.6
17.5°	2996.7	3007.2	3058.6	3156.2	3278.3	3368.9	3393.3	3334.0	3246.0	3187.6
20°	2891.2	2900.8	2972.3	3109.2	3285.2	3429.0	3492.7	3440.4	3330.6	3251.2
22.5°	2754.4	2769.2	2852.9	3028.1	3268.7	3491.8	3606.0	3570.3	3429.0	3319.2
25°	2608.0	2623.6	2721.3	2928.7	3226.0	3537.1	3740.2	3717.6	3540.6	3403.8
27.5°	2481.6	2498.1	2604.5	2830.2	3159.7	3554.6	3872.7	3884.0	3675.7	3497.0
30°	2382.2	2397.9	2511.2	2750.9	3074.3	3537.1	3988.6	4067.1	3813.4	3578.1
32.5°	2273.2	2293.3	2412.7	2654.2	2973.2	3495.3	4089.8	4265.0	3973.0	3665.3
35°	2135.5	2153.8	2279.3	2521.7	2840.7	3428.2	4174.3	4484.6	4201.3	3797.8
37.5°	1968.2	1985.6	2110.2	2356.1	2709.1	3334.0	4238.8	4732.2	4473.3	3988.6
40°	1799.9	1816.5	1933.3	2171.3	2551.3	3213.8	4261.5	4974.5	4785.3	4251.0
42.5°	1645.7	1660.5	1767.7	1989.1	2374.4	3060.3	4231.8	5185.4	5065.1	4434.1
45°	1503.6	1516.7	1611.7	1818.2	2190.4	2873.8	4142.9	5412.0	5398.1	4564.8
47.5°	1341.5	1354.5	1453.0	1652.6	2006.5	2655.0	3992.1	5635.2	5860.9	4861.2
50°	1143.6	1154.9	1256.0	1461.7	1815.6	2422.3	3782.9	5810.4	6444.9	5310.1
52.5°	909.1	921.3	1019.8	1225.5	1589.0	2172.1	3507.5	5924.6	7119.6	5965.5
55°	676.4	685.1	770.5	955.3	1308.3	1887.1	3162.3	5956.8	7884.9	6861.6
57.5°	490.7	496.0	550.9	688.6	991.9	1530.6	2743.1	5873.1	8795.8	8010.4
60°	397.5	399.2	415.8	476.8	689.5	1127.9	2236.6	5585.5	9784.2	9491.3
62.5°	360.9	360.9	365.2	381.8	466.3	744.4	1623.9	4989.3	10844.1	11362.7
65°	335.6	335.6	337.3	345.2	367.8	474.2	1025.1	4018.3	11737.6	13554.9
67.5°	312.9	313.8	312.9	315.5	328.6	350.4	594.5	2775.3	12218.7	15826.4
70°	289.4	291.1	286.8	286.8	297.2	298.1	372.2	1521.9	11819.5	17730.1
72.5°	261.5	264.1	257.1	255.4	263.2	259.7	279.8	730.4	10147.7	18298.4
75°	237.1	240.6	224.9	220.5	220.5	217.9	227.5	374.8	6586.1	14926.9
77.5°	215.3	222.3	197.0	183.0	179.6	171.7	185.7	229.2	2880.8	7008.0
80°	177.8	187.4	162.1	145.6	139.5	130.7	146.4	160.4	856.8	1627.4
82.5°	132.5	136.8	115.1	103.7	98.5	92.4	109.8	111.6	278.9	576.2
85°	84.5	86.3	70.6	61.0	58.4	55.8	69.7	61.0	106.3	423.6
87.5°	29.6	34.0	27.0	24.4	26.1	21.8	32.3	18.3	29.6	299.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3064.7  
3066.4  
3086.5  
3107.4  
3115.3  
3122.2  
3139.7  
3178.0  
3236.4  
3299.2  
3375.9  
3467.4  
3535.4  
3611.2  
3737.6  
3908.5  
4165.6  
4324.2  
4416.6  
4690.3  
5095.6  
5701.4  
6531.2  
7594.6  
8967.5  
10661.1  
12667.6  
14868.5  
17478.2  
18960.9  
15965.9  
6862.5  
1558.5  
651.1  
615.4  
370.4  
0.0

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