

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: P847484

Luminaire Tested: **GLAN-SB3C-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847484
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-SB3C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18405 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

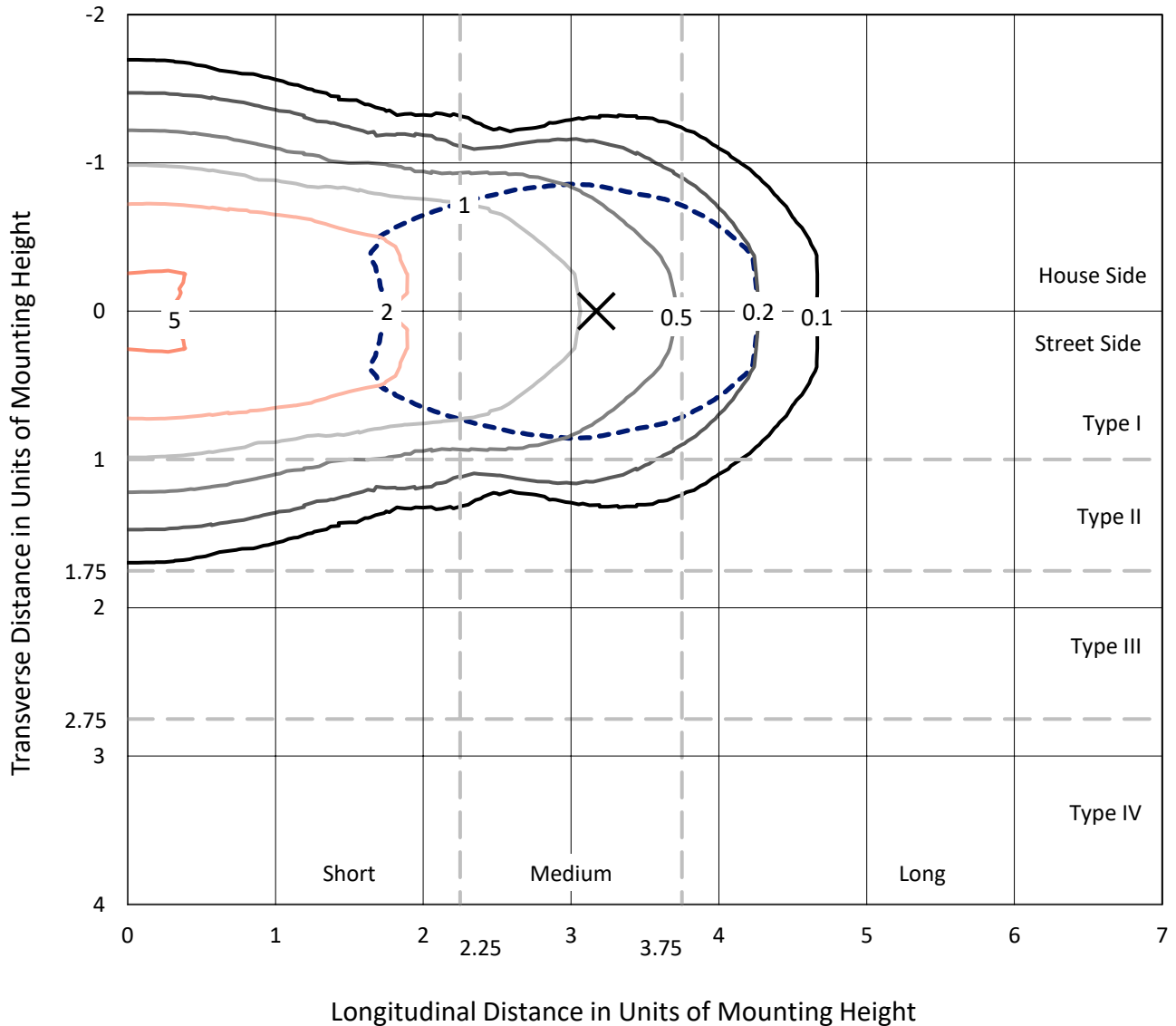
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

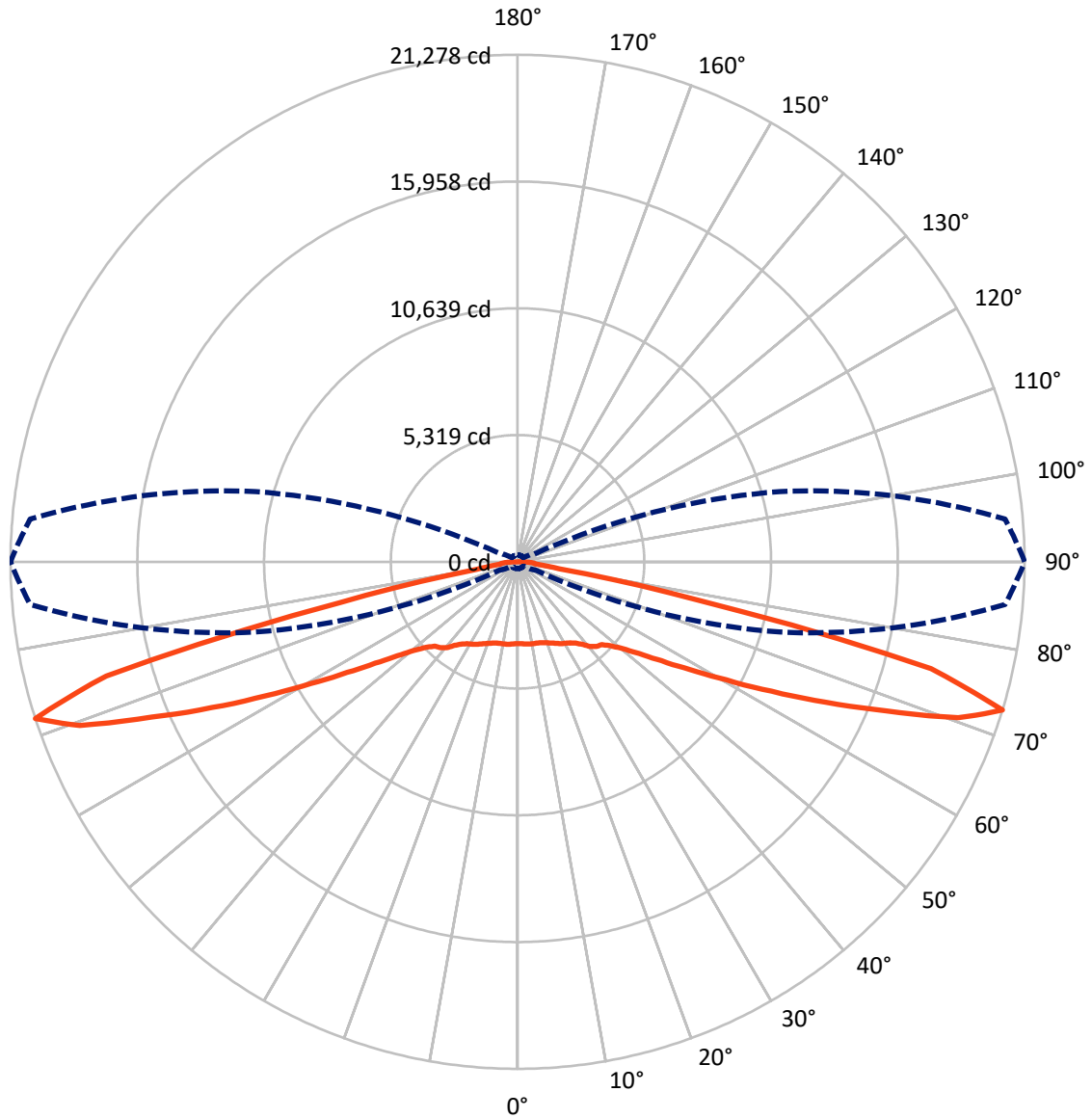
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	9202.5	0.0	9202.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9202.5	0.0	9202.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18405.0	0.0	18405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.5	1.8
10°-20°	1019.6	5.5
20°-30°	1700.1	9.2
30°-40°	2338.2	12.7
40°-50°	2855.6	15.5
50°-60°	3302.8	17.9
60°-70°	3938.0	21.4
70°-80°	2748.5	14.9
80°-90°	168.8	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°	18405.0	100.0
0°-180°	18405.0	100.0

Coefficient of Utilization

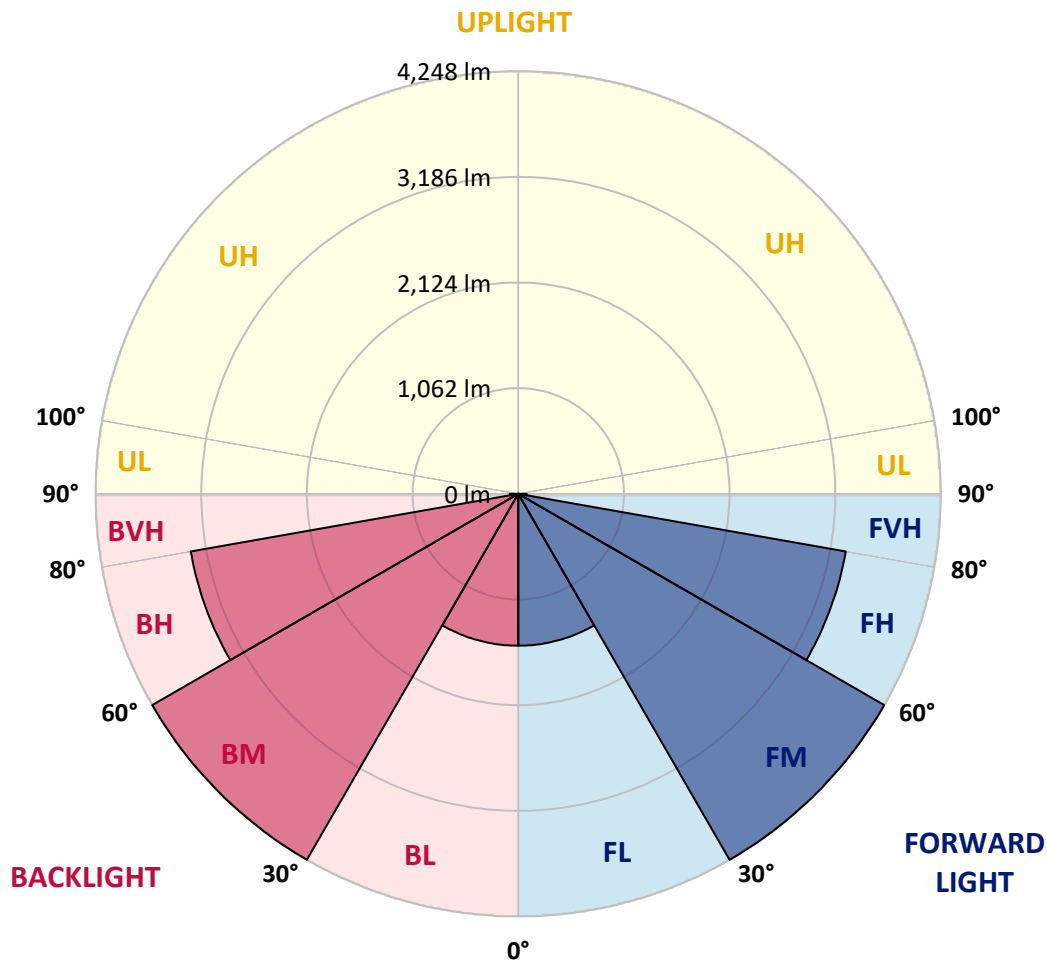


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1526.6	8.3			
FM (30°-60°)	4248.3	23.1			
FH (60°-80°)	3343.2	18.2			G2/5000
FVH (80°-90°)	84.4	0.5			G1/100
BL (0°-30°)	1526.6	8.3	B3/2500		
BM (30°-60°)	4248.3	23.1	B3/5000		
BH (60°-80°)	3343.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	84.4	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°	3439.2	3439.2	3439.2	3439.2	3439.2	3439.2	3439.2	3439.2	3439.2	3439.2
2.5°	3442.1	3446.0	3446.0	3443.1	3449.9	3444.1	3444.1	3441.1	3444.1	3441.1
5°	3459.7	3464.6	3466.6	3465.6	3474.4	3469.5	3469.5	3465.6	3466.6	3463.6
7.5°	3493.0	3499.8	3503.7	3508.6	3521.3	3515.5	3511.6	3499.8	3494.9	3487.1
10°	3503.7	3511.6	3524.3	3549.7	3579.0	3580.0	3568.3	3538.9	3516.4	3498.8
12.5°	3470.5	3481.2	3507.6	3559.5	3625.0	3651.4	3632.8	3583.9	3539.9	3508.6
15°	3428.4	3440.1	3480.3	3558.5	3655.3	3717.0	3715.0	3650.4	3580.0	3531.1
17.5°	3362.9	3374.6	3432.3	3541.9	3678.8	3780.5	3807.9	3741.4	3642.6	3577.1
20°	3244.5	3255.3	3335.5	3489.1	3686.6	3848.0	3919.4	3860.8	3737.5	3648.5
22.5°	3090.9	3107.6	3201.5	3398.1	3668.1	3918.5	4046.6	4006.5	3848.0	3724.8
25°	2926.6	2944.2	3053.8	3286.6	3620.1	3969.3	4197.2	4171.8	3973.2	3819.7
27.5°	2784.8	2803.4	2922.7	3176.0	3545.8	3988.9	4345.9	4358.6	4124.9	3924.3
30°	2673.3	2690.9	2818.0	3087.0	3449.9	3969.3	4476.0	4564.0	4279.4	4015.3
32.5°	2551.0	2573.5	2707.5	2978.5	3336.5	3922.4	4589.5	4786.1	4458.4	4113.1
35°	2396.5	2417.0	2557.9	2829.8	3187.8	3847.1	4684.4	5032.6	4714.7	4261.8
37.5°	2208.7	2228.2	2368.1	2643.9	3040.1	3741.4	4756.7	5310.4	5019.9	4476.0
40°	2019.9	2038.5	2169.5	2436.6	2863.0	3606.4	4782.2	5582.3	5370.0	4770.4
42.5°	1846.7	1863.4	1983.7	2232.1	2664.5	3434.3	4748.9	5819.0	5684.0	4975.8
45°	1687.3	1702.0	1808.6	2040.4	2458.1	3225.0	4649.1	6073.3	6057.7	5122.6
47.5°	1505.4	1520.0	1630.6	1854.6	2251.7	2979.4	4479.9	6323.7	6577.1	5455.1
50°	1283.3	1296.0	1409.5	1640.4	2037.5	2718.3	4245.2	6520.3	7232.4	5958.9
52.5°	1020.2	1033.9	1144.4	1375.3	1783.2	2437.5	3936.1	6648.5	7989.5	6694.4
55°	759.0	768.8	864.7	1072.1	1468.2	2117.7	3548.7	6684.7	8848.3	7700.0
57.5°	550.7	556.6	618.2	772.7	1113.1	1717.6	3078.2	6590.8	9870.5	8989.2
60°	446.0	448.0	466.6	535.0	773.7	1265.7	2509.9	6268.0	10979.7	10651.1
62.5°	405.0	405.0	409.8	428.4	523.3	835.3	1822.3	5598.9	12169.1	12751.1
65°	376.6	376.6	378.5	387.3	412.8	532.1	1150.3	4509.3	13171.7	15211.2
67.5°	351.2	352.1	351.2	354.1	368.8	393.2	667.1	3114.4	13711.7	17760.2
70°	324.7	326.7	321.8	321.8	333.5	334.5	417.7	1707.8	13263.7	19896.5
72.5°	293.4	296.4	288.6	286.6	295.4	291.5	314.0	819.7	11387.6	20534.3
75°	266.1	270.0	252.4	247.5	247.5	244.5	255.3	420.6	7390.9	16750.8
77.5°	241.6	249.4	221.1	205.4	201.5	192.7	208.3	257.3	3232.8	7864.3
80°	199.5	210.3	181.9	163.4	156.5	146.7	164.3	180.0	961.5	1826.2
82.5°	148.7	153.6	129.1	116.4	110.5	103.7	123.2	125.2	313.0	646.6
85°	94.9	96.8	79.2	68.5	65.5	62.6	78.3	68.5	119.3	475.4
87.5°	33.3	38.1	30.3	27.4	29.3	24.5	36.2	20.5	33.3	335.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3439.2
3441.1
3463.6
3487.1
3495.9
3503.7
3523.3
3566.3
3631.9
3702.3
3788.4
3891.1
3967.4
4052.5
4194.3
4386.0
4674.6
4852.6
4956.3
5263.4
5718.3
6398.1
7329.3
8522.6
10063.2
11963.7
14215.4
16685.2
19613.8
21277.7
17916.7
7701.0
1748.9
730.7
690.6
415.7
0.0

OF REPORT)