

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: P849541

Luminaire Tested: **GLAN-SB6C-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39443 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

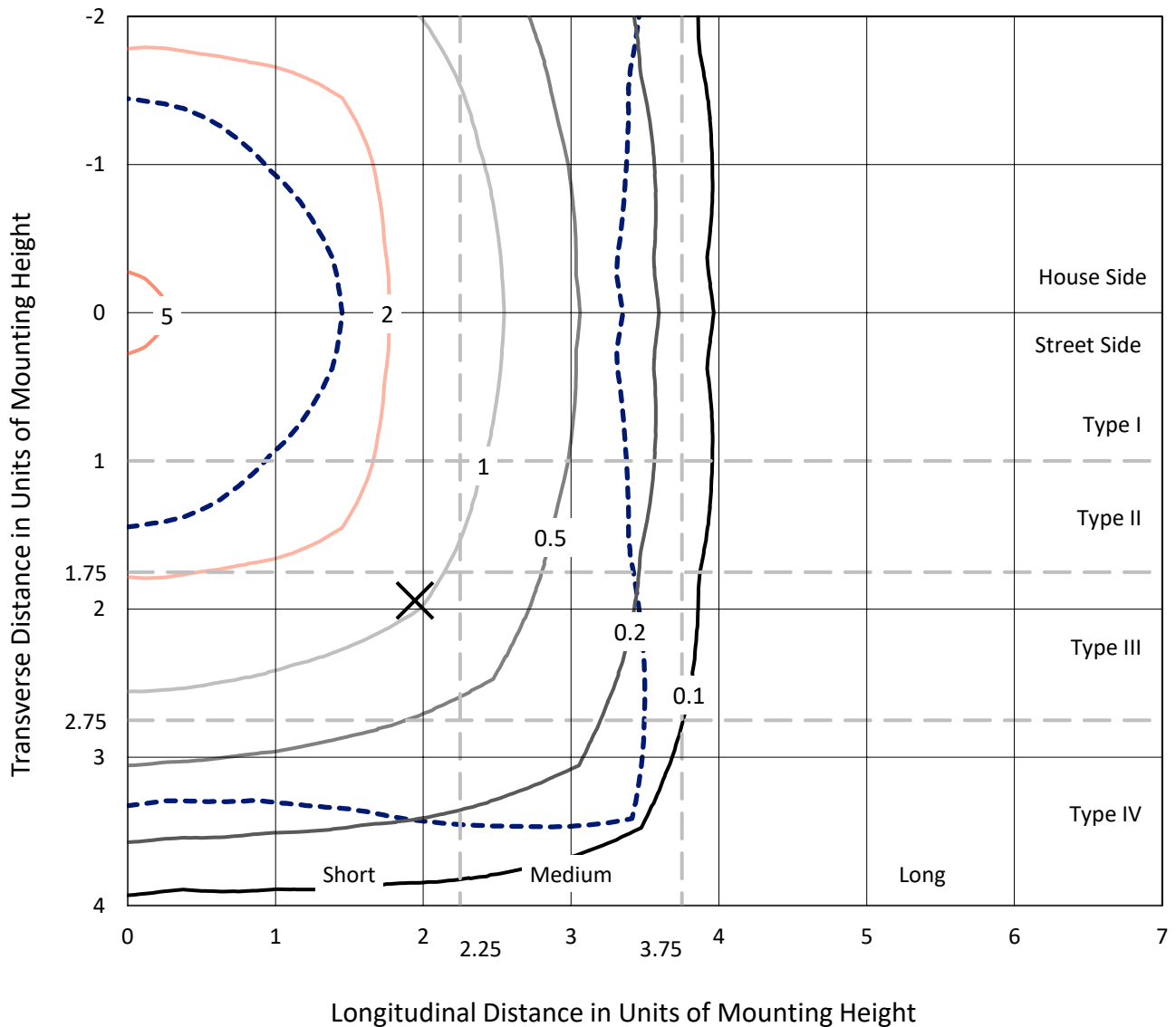
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

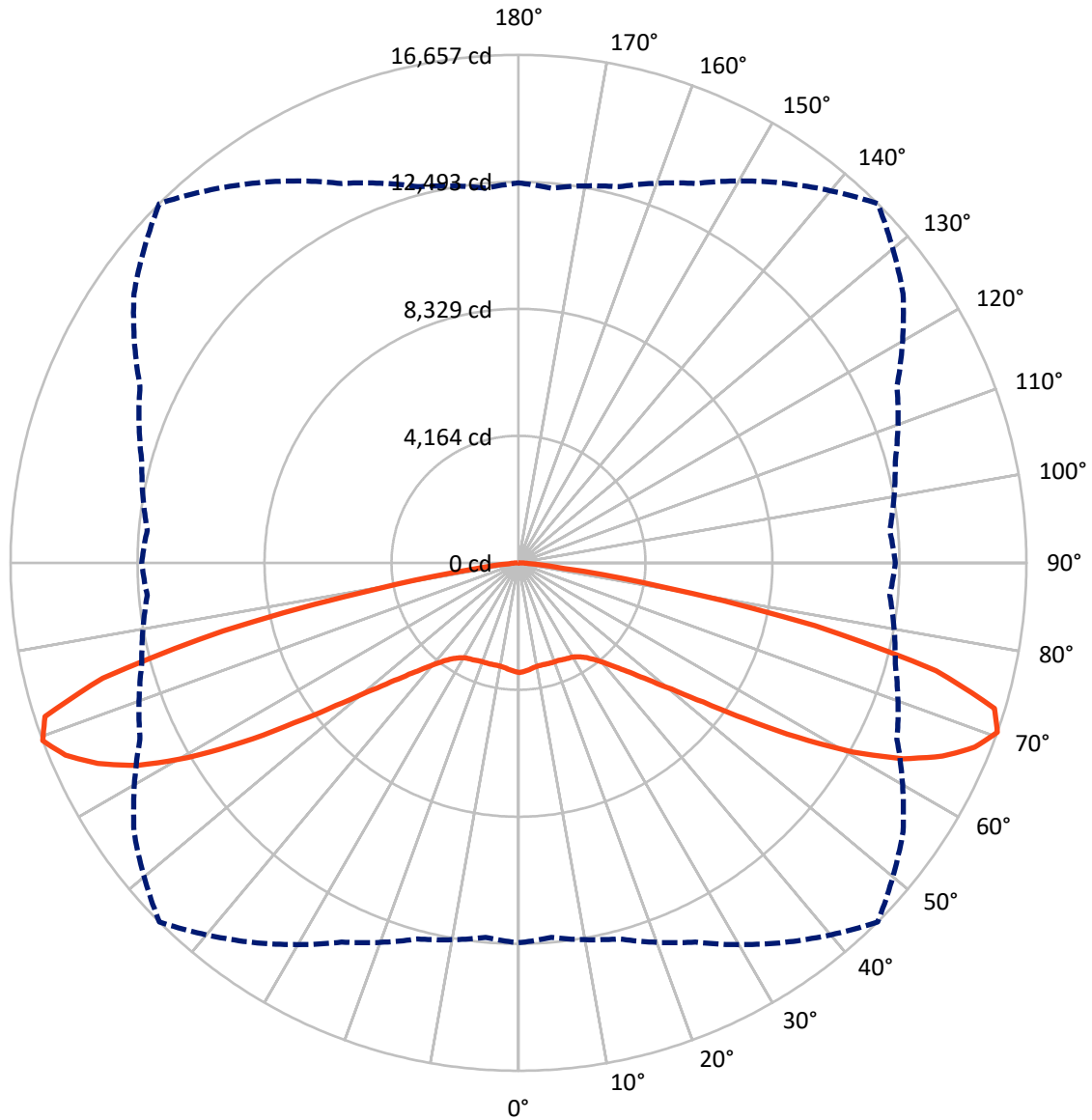
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19721.5	0.0	19721.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19721.5	0.0	19721.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39443.0	0.0	39443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	0.8
10°-20°	982.8	2.5
20°-30°	1635.4	4.1
30°-40°	2473.3	6.3
40°-50°	4110.0	10.4
50°-60°	7755.5	19.7
60°-70°	13095.4	33.2
70°-80°	8605.1	21.8
80°-90°	450.8	1.1
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°	39443.0	100.0
0°-180°	39443.0	100.0

Coefficient of Utilization



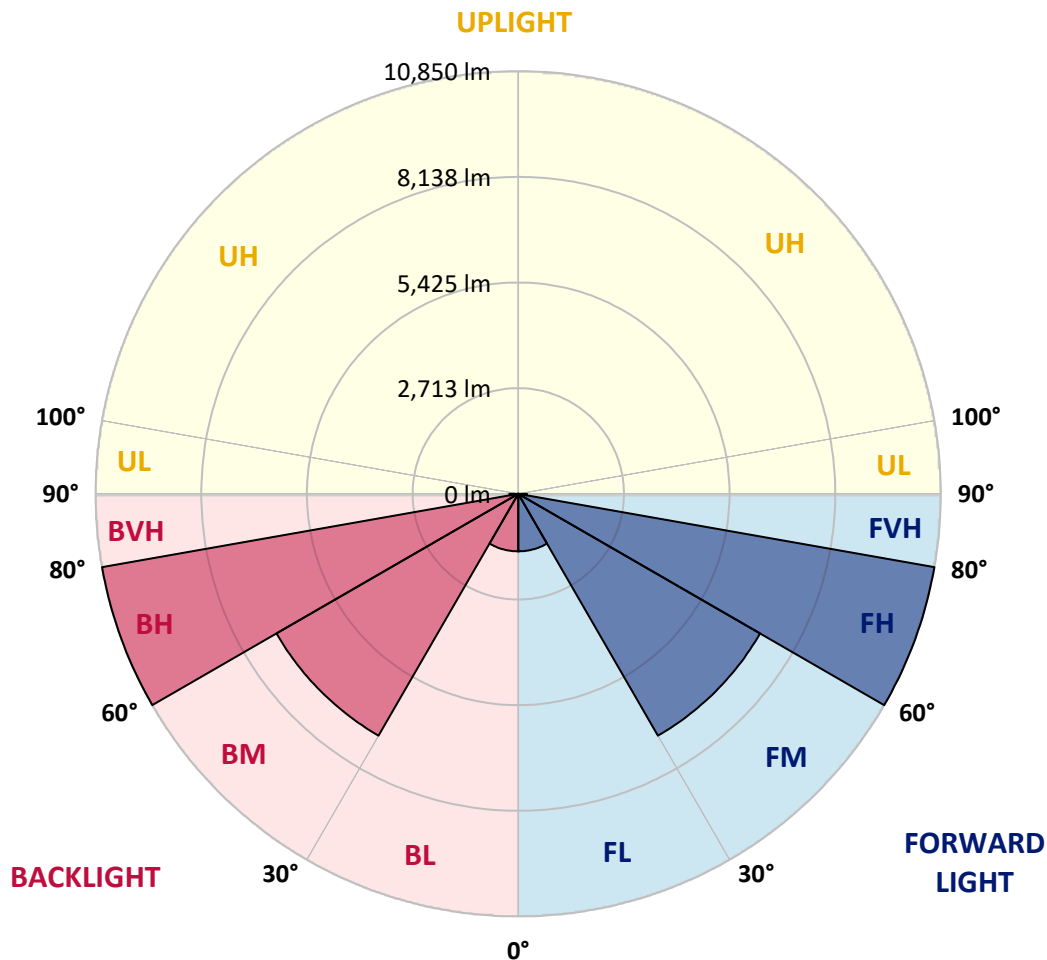
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.4	3.7			
FM (30°-60°)	7169.4	18.2			
FH (60°-80°)	10850.2	27.5			G4/12000
FVH (80°-90°)	225.4	0.6			G3/500
BL (0°-30°)	1476.4	3.7	B3/2500		
BM (30°-60°)	7169.4	18.2	B4/8500		
BH (60°-80°)	10850.2	27.5	B5		G4/12000
BVH (80°-90°)	225.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3598.0	3598.0	3598.0	3598.0	3598.0	3598.0	3598.0	3598.0	3598.0	3598.0
2.5°	3575.4	3585.7	3581.6	3573.4	3573.4	3567.2	3573.4	3577.5	3583.6	3587.7
5°	3528.3	3536.5	3534.4	3528.3	3530.3	3524.2	3528.3	3534.4	3538.5	3540.6
7.5°	3487.3	3495.5	3491.4	3481.1	3481.1	3475.0	3477.0	3483.2	3489.3	3491.4
10°	3477.0	3485.2	3472.9	3456.5	3450.4	3442.2	3444.2	3450.4	3462.7	3468.8
12.5°	3481.1	3487.3	3475.0	3450.4	3444.2	3436.0	3436.0	3442.2	3458.6	3466.8
15°	3493.4	3499.6	3481.1	3454.5	3448.3	3442.2	3440.1	3448.3	3466.8	3481.1
17.5°	3516.0	3522.1	3493.4	3456.5	3448.3	3450.4	3448.3	3454.5	3483.2	3509.8
20°	3536.5	3540.6	3501.6	3456.5	3448.3	3450.4	3448.3	3460.6	3497.5	3534.4
22.5°	3542.6	3546.7	3509.8	3470.9	3464.7	3466.8	3464.7	3477.0	3511.9	3548.8
25°	3544.7	3550.8	3522.1	3491.4	3501.6	3505.7	3501.6	3503.7	3530.3	3563.1
27.5°	3575.4	3583.6	3557.0	3530.3	3536.5	3534.4	3540.6	3546.7	3567.2	3600.0
30°	3639.0	3645.1	3622.6	3595.9	3591.8	3577.5	3595.9	3616.4	3639.0	3667.7
32.5°	3743.6	3755.9	3727.2	3698.5	3680.0	3671.8	3686.2	3721.0	3751.8	3782.5
35°	3917.8	3926.0	3899.4	3846.1	3813.3	3813.3	3825.6	3870.7	3919.9	3958.8
37.5°	4163.8	4174.1	4126.9	4063.4	4014.2	4014.2	4030.6	4077.7	4151.5	4206.9
40°	4463.2	4477.5	4418.1	4352.4	4305.3	4297.1	4317.6	4370.9	4440.6	4510.3
42.5°	4824.0	4840.4	4762.5	4705.1	4668.2	4668.2	4678.4	4727.6	4791.2	4877.3
45°	5285.3	5314.0	5207.4	5150.0	5115.1	5123.3	5129.5	5172.5	5229.9	5328.3
47.5°	5834.7	5863.4	5750.6	5691.2	5685.0	5724.0	5699.4	5730.1	5760.9	5873.7
50°	6457.9	6507.1	6429.2	6425.1	6437.4	6509.2	6451.8	6468.2	6433.3	6505.1
52.5°	7220.6	7292.3	7278.0	7302.6	7440.0	7587.6	7456.4	7399.0	7267.7	7290.3
55°	8145.2	8253.9	8274.4	8422.0	8733.6	9035.0	8756.1	8524.5	8245.7	8194.4
57.5°	9196.9	9283.0	9381.4	9682.8	10265.1	10800.1	10265.1	9752.5	9313.8	9209.2
60°	10328.6	10435.2	10529.5	10974.4	11839.6	12592.0	11823.2	11009.3	10429.1	10287.6
62.5°	11544.3	11681.7	11747.3	12241.4	13250.1	14148.0	13264.4	12278.3	11634.5	11482.8
65°	12710.9	12823.6	12897.4	13424.3	14387.9	15287.9	14453.5	13481.7	12819.5	12620.7
67.5°	13254.2	13315.7	13496.1	14092.7	15109.5	16136.7	15281.7	14156.2	13416.1	13067.6
70°	12458.7	12333.6	12768.3	13723.6	15195.6	16657.4	15392.5	13694.9	12788.8	12222.9
72.5°	9627.5	9412.2	10166.6	11800.6	14211.6	16325.3	14310.0	11892.9	10636.1	9488.0
75°	5238.1	4994.1	6035.6	8102.2	11333.2	14150.1	11593.5	8333.8	6720.4	5199.2
77.5°	1478.2	1385.9	2226.5	3919.9	6816.7	9935.0	7079.1	4006.0	2640.6	1566.3
80°	453.1	438.7	594.5	1180.9	2894.8	4758.4	2782.0	1195.2	756.5	477.7
82.5°	268.6	246.0	295.2	430.5	738.1	1494.6	717.5	449.0	360.8	241.9
85°	153.8	143.5	174.3	209.1	248.1	317.8	207.1	213.2	192.7	129.2
87.5°	63.6	57.4	67.7	65.6	57.4	73.8	55.4	65.6	77.9	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3598.0
3585.7
3540.6
3491.4
3468.8
3468.8
3483.2
3509.8
3536.5
3548.8
3561.1
3591.8
3661.6
3770.2
3944.5
4186.4
4487.8
4871.1
5324.2
5840.8
6462.0
7214.4
8114.5
9135.4
10164.6
11359.8
12522.3
13071.7
12358.2
9773.0
5537.4
1740.6
504.3
262.4
135.3
47.2
0.0

OF REPORT)