

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: P849971

Luminaire Tested: **GLAN-SB7B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849971
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-SB7B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39750 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

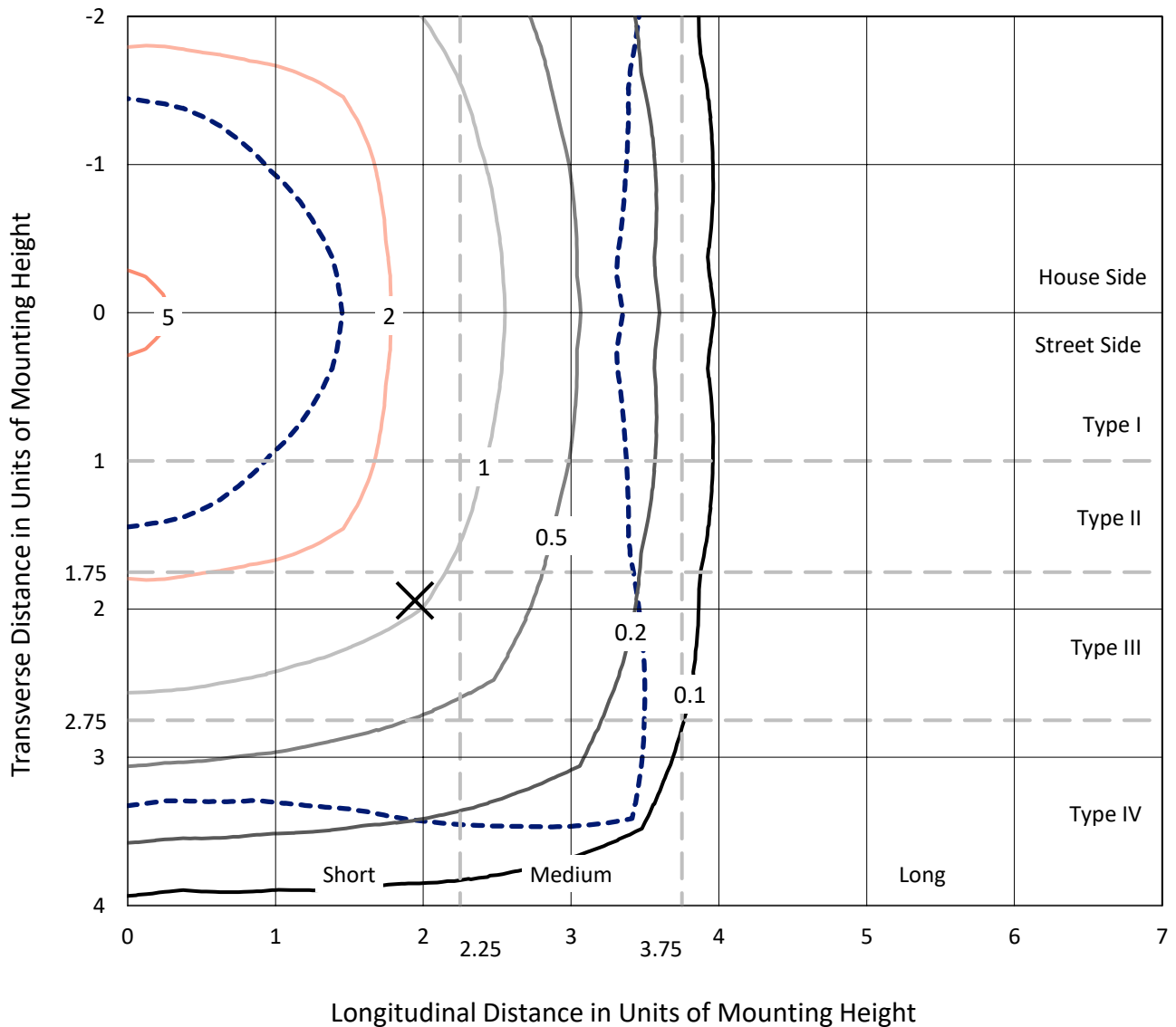
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

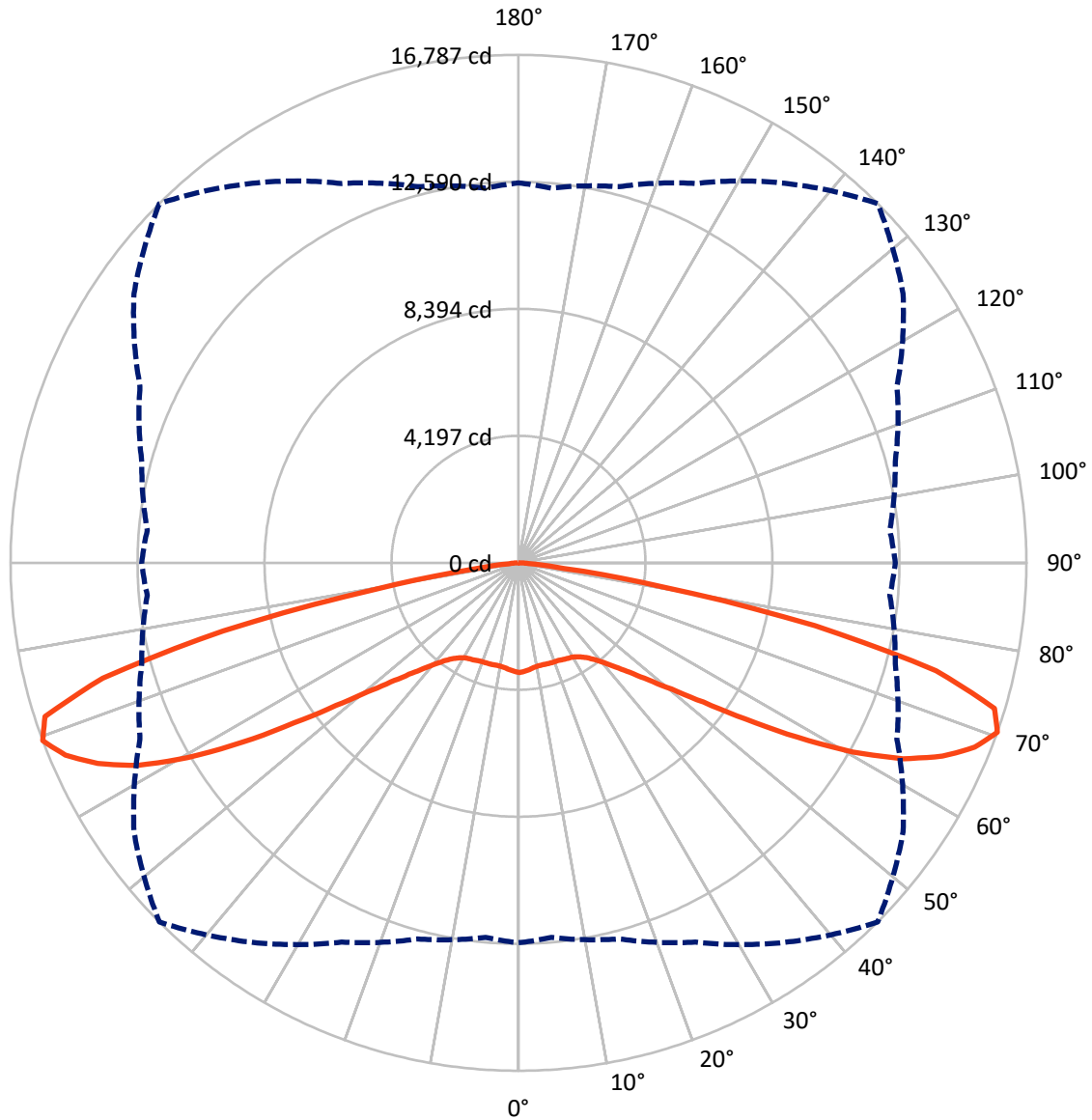
✕ Max cd
 - - - 1/2 Max cd



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	19875.0	0.0	19875.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19875.0	0.0	19875.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39750.0	0.0	39750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	0.8
10°-20°	990.4	2.5
20°-30°	1648.2	4.1
30°-40°	2492.5	6.3
40°-50°	4142.0	10.4
50°-60°	7815.8	19.7
60°-70°	13197.4	33.2
70°-80°	8672.0	21.8
80°-90°	454.3	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°	39750.0	100.0
0°-180°	39750.0	100.0

Coefficient of Utilization

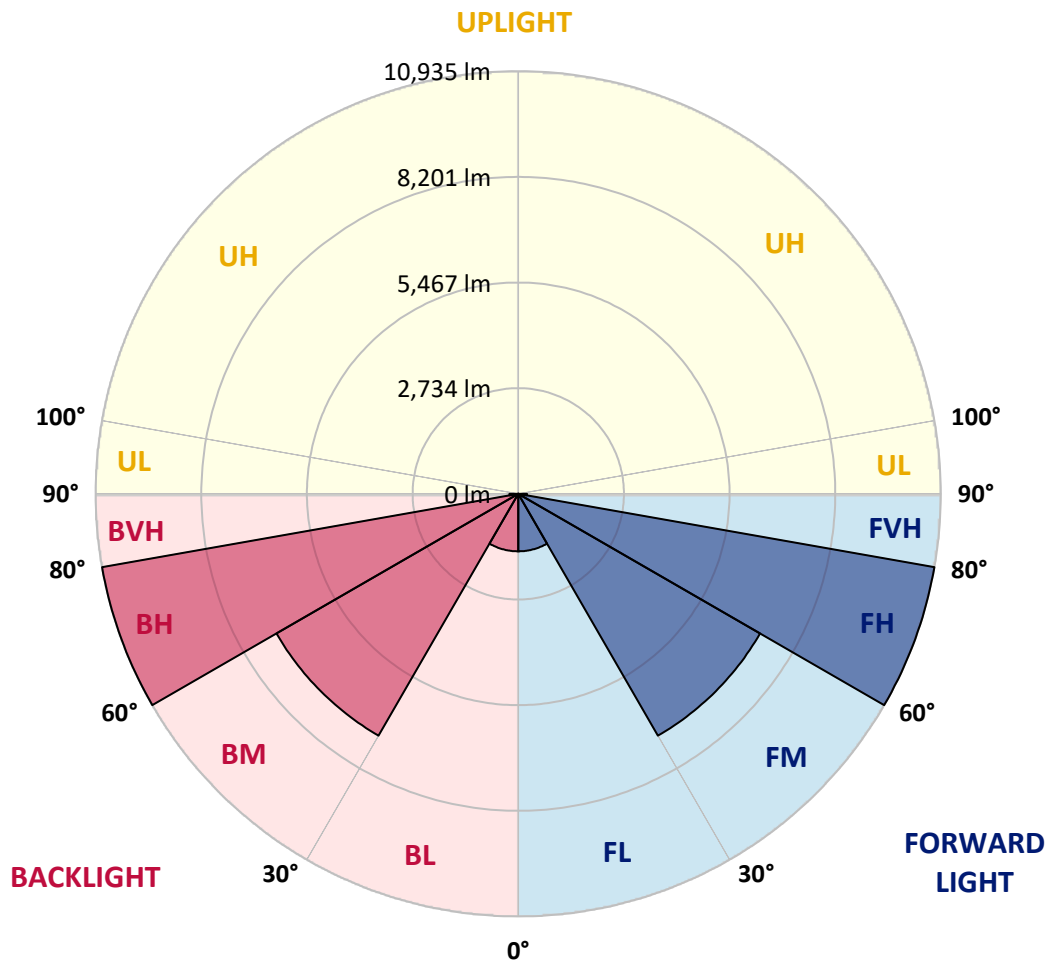


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1487.9	3.7			
FM (30°-60°)	7225.2	18.2			
FH (60°-80°)	10934.7	27.5			G4/12000
FVH (80°-90°)	227.2	0.6			G3/500
BL (0°-30°)	1487.9	3.7	B3/2500		
BM (30°-60°)	7225.2	18.2	B4/8500		
BH (60°-80°)	10934.7	27.5	B5		G4/12000
BVH (80°-90°)	227.2	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°	3626.0	3626.0	3626.0	3626.0	3626.0	3626.0	3626.0	3626.0	3626.0	3626.0
2.5°	3603.3	3613.6	3609.5	3601.2	3601.2	3595.0	3601.2	3605.3	3611.5	3615.7
5°	3555.8	3564.0	3562.0	3555.8	3557.8	3551.6	3555.8	3562.0	3566.1	3568.1
7.5°	3514.4	3522.7	3518.6	3508.2	3508.2	3502.0	3504.1	3510.3	3516.5	3518.6
10°	3504.1	3512.4	3500.0	3483.4	3477.2	3469.0	3471.0	3477.2	3489.6	3495.8
12.5°	3508.2	3514.4	3502.0	3477.2	3471.0	3462.8	3462.8	3469.0	3485.5	3493.8
15°	3520.6	3526.8	3508.2	3481.4	3475.2	3469.0	3466.9	3475.2	3493.8	3508.2
17.5°	3543.4	3549.6	3520.6	3483.4	3475.2	3477.2	3475.2	3481.4	3510.3	3537.2
20°	3564.0	3568.1	3528.9	3483.4	3475.2	3477.2	3475.2	3487.6	3524.8	3562.0
22.5°	3570.2	3574.3	3537.2	3497.9	3491.7	3493.8	3491.7	3504.1	3539.2	3576.4
25°	3572.3	3578.5	3549.6	3518.6	3528.9	3533.0	3528.9	3531.0	3557.8	3590.9
27.5°	3603.3	3611.5	3584.7	3557.8	3564.0	3562.0	3568.1	3574.3	3595.0	3628.1
30°	3667.3	3673.5	3650.8	3623.9	3619.8	3605.3	3623.9	3644.6	3667.3	3696.2
32.5°	3772.7	3785.1	3756.2	3727.2	3708.6	3700.4	3714.8	3750.0	3781.0	3811.9
35°	3948.3	3956.6	3929.7	3876.0	3842.9	3842.9	3855.3	3900.8	3950.4	3989.6
37.5°	4196.2	4206.6	4159.1	4095.0	4045.4	4045.4	4061.9	4109.5	4183.8	4239.6
40°	4497.9	4512.4	4452.4	4386.3	4338.8	4330.5	4351.2	4404.9	4475.2	4545.4
42.5°	4861.5	4878.1	4799.5	4741.7	4704.5	4704.5	4714.8	4764.4	4828.5	4915.2
45°	5326.4	5355.3	5247.9	5190.0	5154.9	5163.2	5169.4	5212.8	5270.6	5369.8
47.5°	5880.1	5909.0	5795.4	5735.5	5729.3	5768.5	5743.7	5774.7	5805.7	5919.4
50°	6508.2	6557.8	6479.3	6475.1	6487.5	6559.9	6502.0	6518.5	6483.4	6555.7
52.5°	7276.8	7349.1	7334.6	7359.4	7497.9	7646.6	7514.4	7456.5	7324.3	7347.0
55°	8208.6	8318.1	8338.8	8487.5	8801.6	9105.3	8824.3	8590.8	8309.8	8258.2
57.5°	9268.5	9355.3	9454.5	9758.2	10344.9	10884.2	10344.9	9828.4	9386.3	9280.9
60°	10409.0	10516.4	10611.5	11059.8	11931.7	12690.0	11915.2	11094.9	10510.2	10367.7
62.5°	11634.2	11772.6	11838.7	12336.7	13353.2	14258.1	13367.6	12373.9	11725.1	11572.2
65°	12809.8	12923.4	12997.8	13528.8	14499.9	15406.9	14566.0	13586.7	12919.3	12718.9
67.5°	13357.3	13419.3	13601.1	14202.4	15227.1	16262.2	15400.7	14266.4	13520.5	13169.3
70°	12555.7	12429.6	12867.7	13830.5	15313.9	16787.0	15512.3	13801.5	12888.3	12318.1
72.5°	9702.4	9485.5	10245.8	11892.5	14322.2	16452.3	14421.4	11985.4	10718.9	9561.9
75°	5278.9	5033.0	6082.6	8165.2	11421.4	14260.2	11683.8	8398.7	6772.7	5239.6
77.5°	1489.7	1396.7	2243.8	3950.4	6869.8	10012.3	7134.2	4037.2	2661.1	1578.5
80°	456.6	442.1	599.2	1190.1	2917.3	4795.4	2803.7	1204.5	762.4	481.4
82.5°	270.7	247.9	297.5	433.9	743.8	1506.2	723.1	452.5	363.6	243.8
85°	155.0	144.6	175.6	210.7	250.0	320.2	208.7	214.9	194.2	130.2
87.5°	64.0	57.9	68.2	66.1	57.9	74.4	55.8	66.1	78.5	51.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3626.0
3613.6
3568.1
3518.6
3495.8
3495.8
3510.3
3537.2
3564.0
3576.4
3588.8
3619.8
3690.0
3799.6
3975.2
4219.0
4522.7
4909.0
5365.7
5886.3
6512.3
7270.6
8177.6
9206.5
10243.7
11448.2
12619.7
13173.4
12454.4
9849.1
5580.5
1754.1
508.3
264.5
136.4
47.5
0.0

OF REPORT)