

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: P850111

Luminaire Tested: **GLAN-SB7C-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850111
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-SB7C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42127 lumens
Efficiency: N/A
Efficacy: 120.2 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

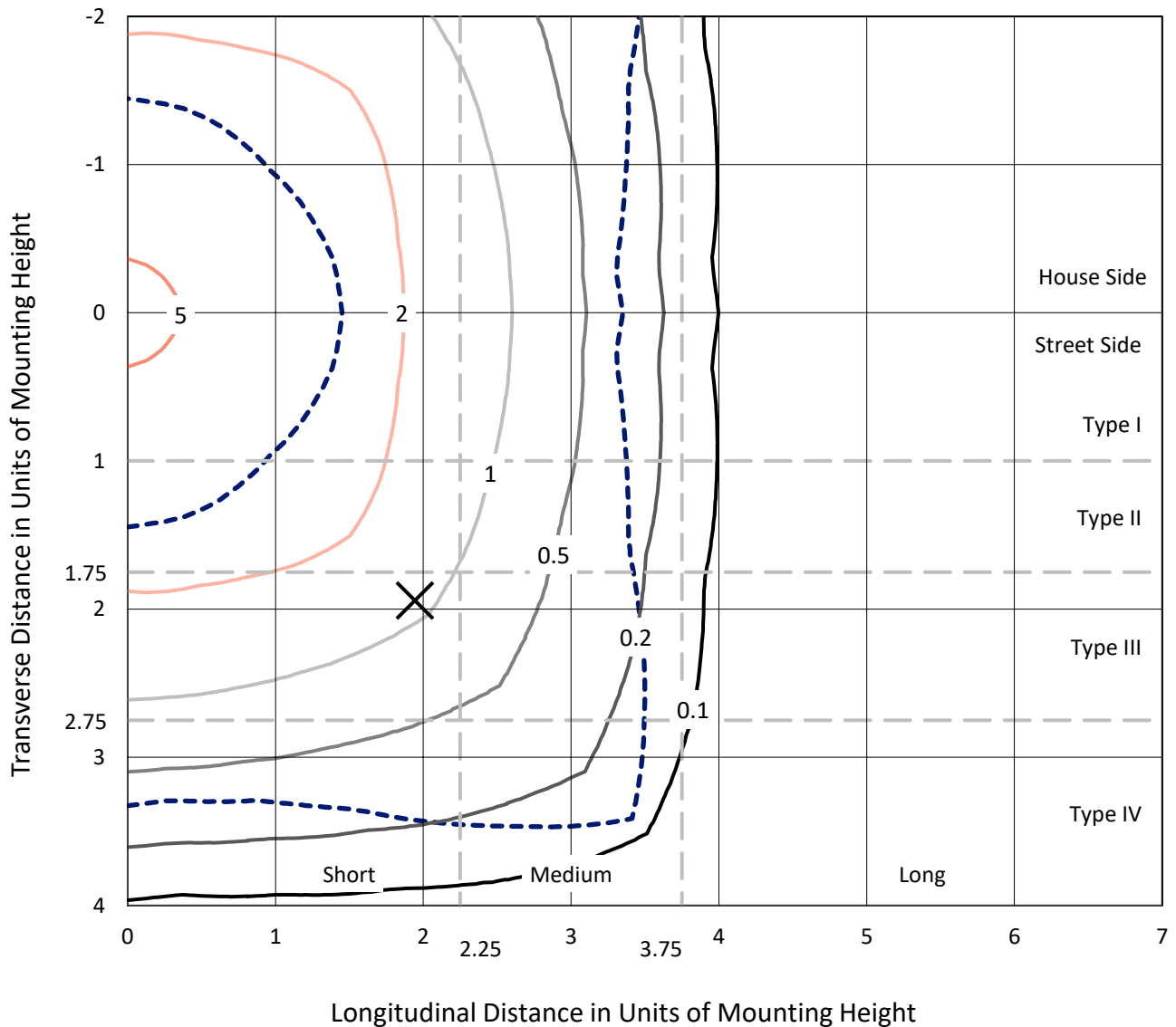
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

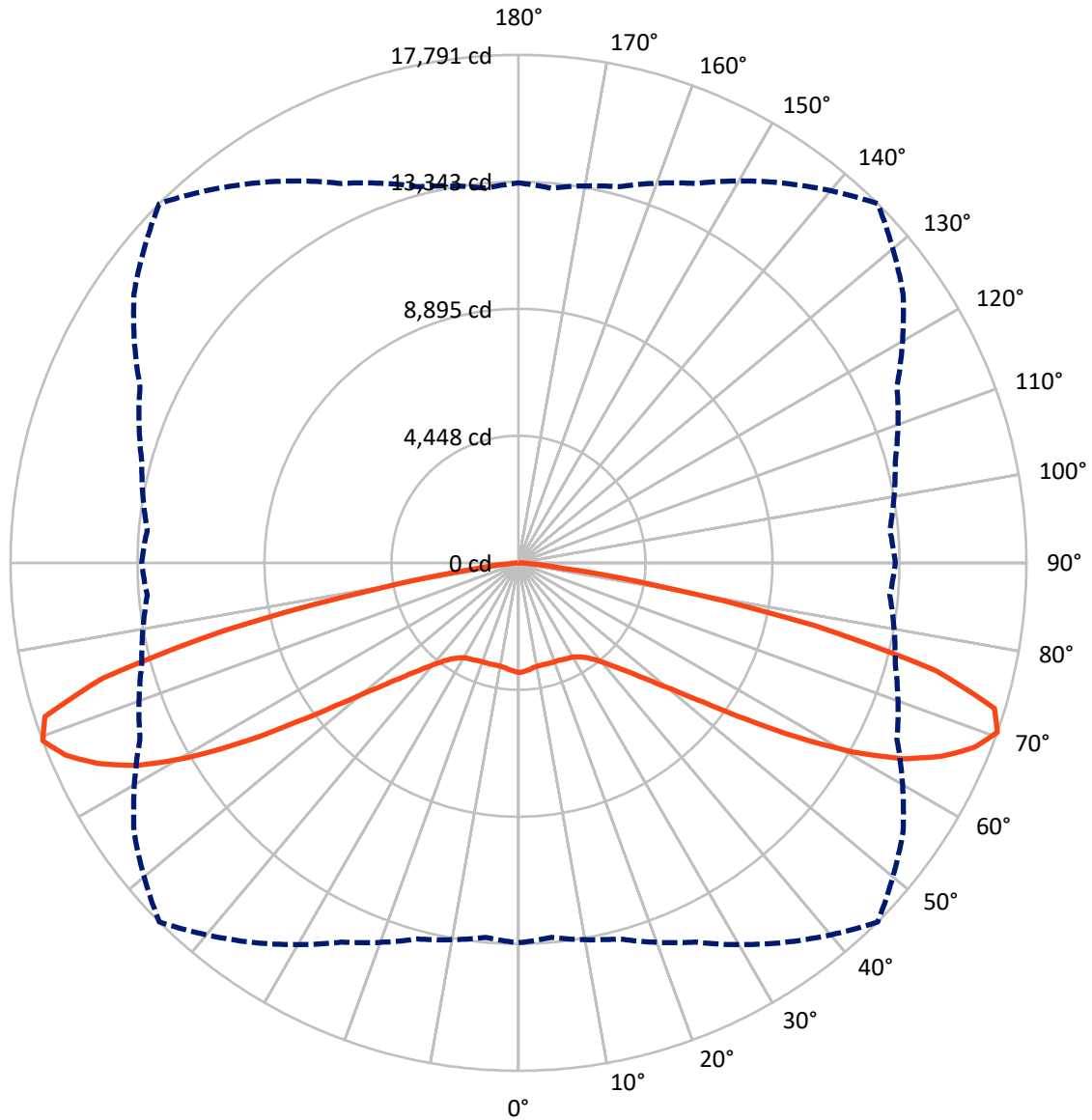
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	21063.5	0.0	21063.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21063.5	0.0	21063.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42127.0	0.0	42127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	0.8
10°-20°	1049.6	2.5
20°-30°	1746.7	4.1
30°-40°	2641.6	6.3
40°-50°	4389.7	10.4
50°-60°	8283.2	19.7
60°-70°	13986.5	33.2
70°-80°	9190.6	21.8
80°-90°	481.5	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°	42127.0	100.0
0°-180°	42127.0	100.0

Coefficient of Utilization



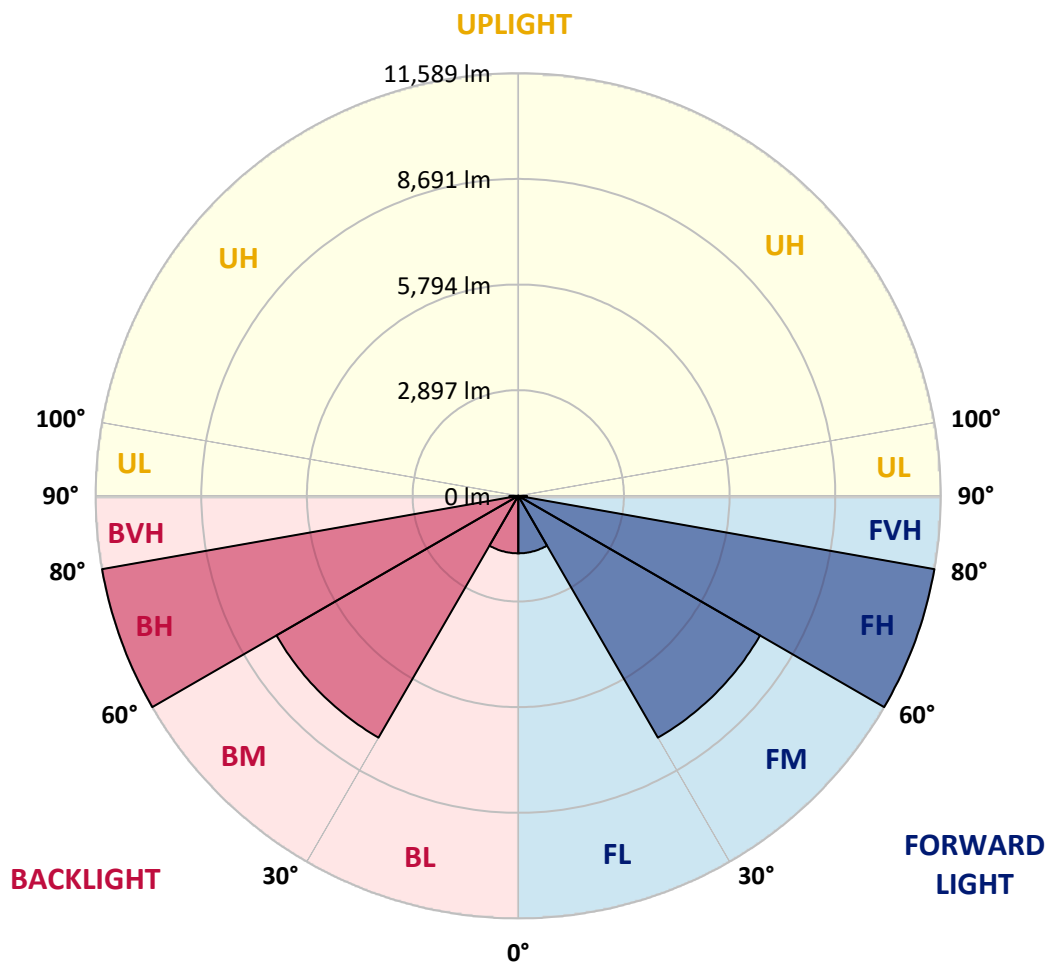
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1576.9	3.7			
FM	(30°-60°)	7657.3	18.2			
FH	(60°-80°)	11588.6	27.5			G4/12000
FVH	(80°-90°)	240.7	0.6			G3/500
BL	(0°-30°)	1576.9	3.7	B3/2500		
BM	(30°-60°)	7657.3	18.2	B4/8500		
BH	(60°-80°)	11588.6	27.5	B5		G4/12000
BVH	(80°-90°)	240.7	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°	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8	3842.8
2.5°	3818.7	3829.7	3825.3	3816.6	3816.6	3810.0	3816.6	3820.9	3827.5	3831.9
5°	3768.4	3777.1	3775.0	3768.4	3770.6	3764.0	3768.4	3775.0	3779.3	3781.5
7.5°	3724.6	3733.3	3729.0	3718.0	3718.0	3711.5	3713.6	3720.2	3726.8	3729.0
10°	3713.6	3722.4	3709.3	3691.7	3685.2	3676.4	3678.6	3685.2	3698.3	3704.9
12.5°	3718.0	3724.6	3711.5	3685.2	3678.6	3669.8	3669.8	3676.4	3693.9	3702.7
15°	3731.2	3737.7	3718.0	3689.6	3683.0	3676.4	3674.2	3683.0	3702.7	3718.0
17.5°	3755.2	3761.8	3731.2	3691.7	3683.0	3685.2	3683.0	3689.6	3720.2	3748.7
20°	3777.1	3781.5	3739.9	3691.7	3683.0	3685.2	3683.0	3696.1	3735.5	3775.0
22.5°	3783.7	3788.1	3748.7	3707.1	3700.5	3702.7	3700.5	3713.6	3750.9	3790.3
25°	3785.9	3792.5	3761.8	3729.0	3739.9	3744.3	3739.9	3742.1	3770.6	3805.6
27.5°	3818.7	3827.5	3799.0	3770.6	3777.1	3775.0	3781.5	3788.1	3810.0	3845.0
30°	3886.6	3893.2	3869.1	3840.6	3836.3	3820.9	3840.6	3862.5	3886.6	3917.3
32.5°	3998.3	4011.4	3980.8	3950.1	3930.4	3921.7	3937.0	3974.2	4007.1	4039.9
35°	4184.4	4193.2	4164.7	4107.8	4072.7	4072.7	4085.9	4134.1	4186.6	4228.2
37.5°	4447.2	4458.1	4407.8	4339.9	4287.3	4287.3	4304.8	4355.2	4434.0	4493.2
40°	4766.9	4782.2	4718.7	4648.6	4598.3	4589.5	4611.4	4668.3	4742.8	4817.2
42.5°	5152.2	5169.8	5086.6	5025.2	4985.8	4985.8	4996.8	5049.3	5117.2	5209.2
45°	5644.9	5675.6	5561.7	5500.4	5463.2	5471.9	5478.5	5524.5	5585.8	5690.9
47.5°	6231.7	6262.4	6142.0	6078.5	6071.9	6113.5	6087.2	6120.1	6152.9	6273.3
50°	6897.4	6949.9	6866.7	6862.4	6875.5	6952.1	6890.8	6908.3	6871.1	6947.8
52.5°	7711.9	7788.6	7773.2	7799.5	7946.2	8103.9	7963.7	7902.4	7762.3	7786.4
55°	8699.5	8815.5	8837.4	8995.1	9327.9	9649.8	9352.0	9104.6	8806.8	8752.0
57.5°	9822.8	9914.7	10019.8	10341.7	10963.6	11535.1	10963.6	10416.2	9947.6	9835.9
60°	11031.4	11145.3	11246.0	11721.2	12645.2	13448.8	12627.7	11758.4	11138.7	10987.6
62.5°	12329.9	12476.6	12546.7	13074.4	14151.7	15110.8	14167.0	13113.8	12426.2	12264.2
65°	13575.8	13696.2	13775.1	14337.8	15366.9	16328.2	15437.0	14399.1	13691.9	13479.5
67.5°	14156.1	14221.8	14414.4	15051.6	16137.7	17234.7	16321.6	15119.5	14329.1	13956.8
70°	13306.5	13172.9	13637.1	14657.5	16229.7	17790.9	16439.9	14626.8	13659.0	13054.7
72.5°	10282.6	10052.7	10858.5	12603.6	15178.6	17436.2	15283.7	12702.1	11359.9	10133.7
75°	5594.5	5334.0	6446.3	8653.5	12104.4	15112.9	12382.5	8900.9	7177.7	5552.9
77.5°	1578.7	1480.2	2378.0	4186.6	7280.6	10611.0	7560.9	4278.6	2820.3	1672.9
80°	483.9	468.6	635.0	1261.2	3091.8	5082.2	2971.4	1276.6	808.0	510.2
82.5°	286.8	262.8	315.3	459.8	788.3	1596.3	766.4	479.5	385.4	258.4
85°	164.2	153.3	186.1	223.3	264.9	339.4	221.2	227.7	205.8	137.9
87.5°	67.9	61.3	72.3	70.1	61.3	78.8	59.1	70.1	83.2	54.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3842.8
3829.7
3781.5
3729.0
3704.9
3704.9
3720.2
3748.7
3777.1
3790.3
3803.4
3836.3
3910.7
4026.8
4212.9
4471.3
4793.1
5202.6
5686.5
6238.3
6901.8
7705.4
8666.6
9757.1
10856.3
12132.8
13374.4
13961.2
13199.2
10438.0
5914.2
1859.0
538.7
280.3
144.5
50.4
0.0

OF REPORT)