

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: P848434

Luminaire Tested: **GLAN-SB5A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848434
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-SB5A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21654 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

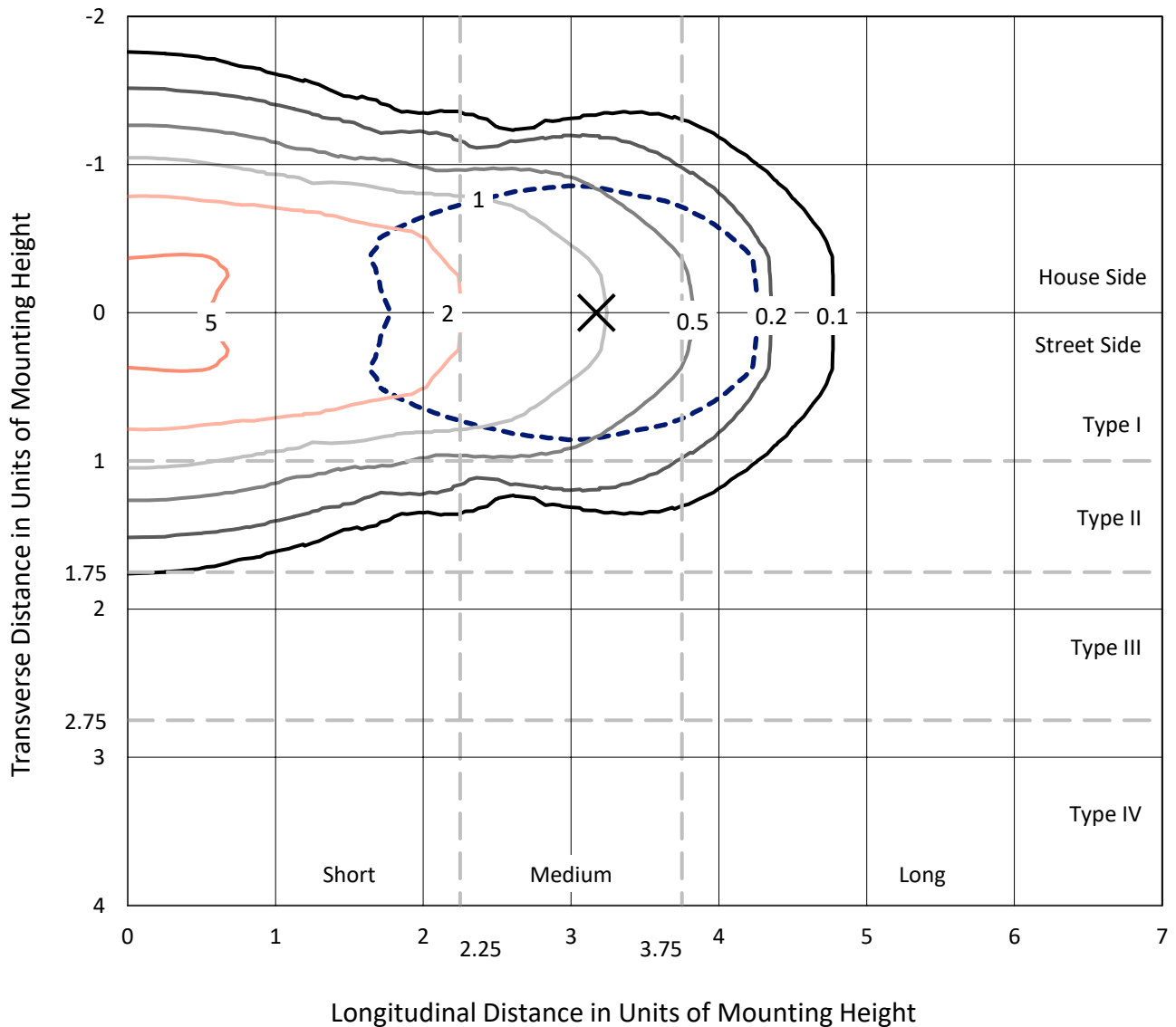
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

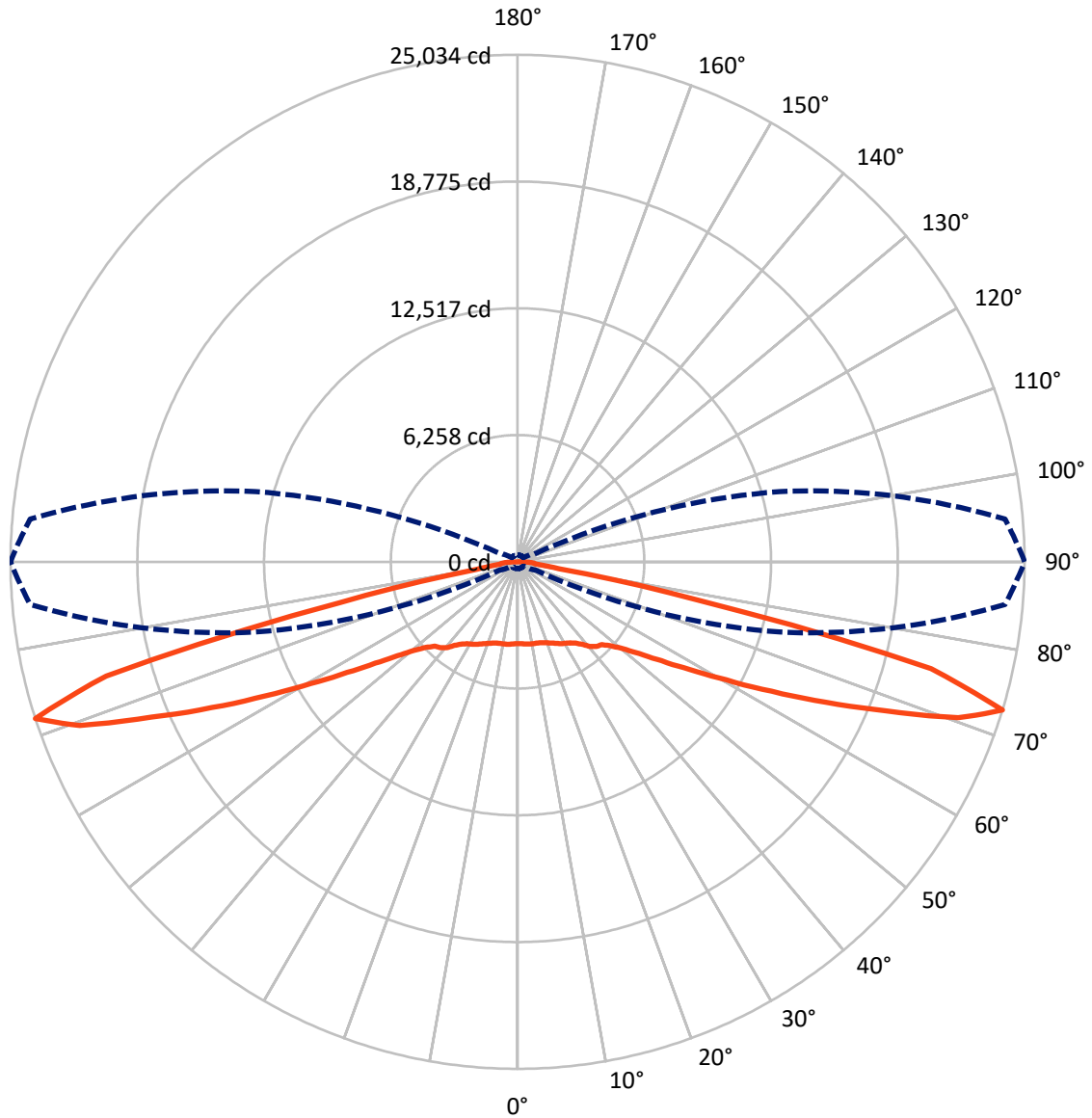
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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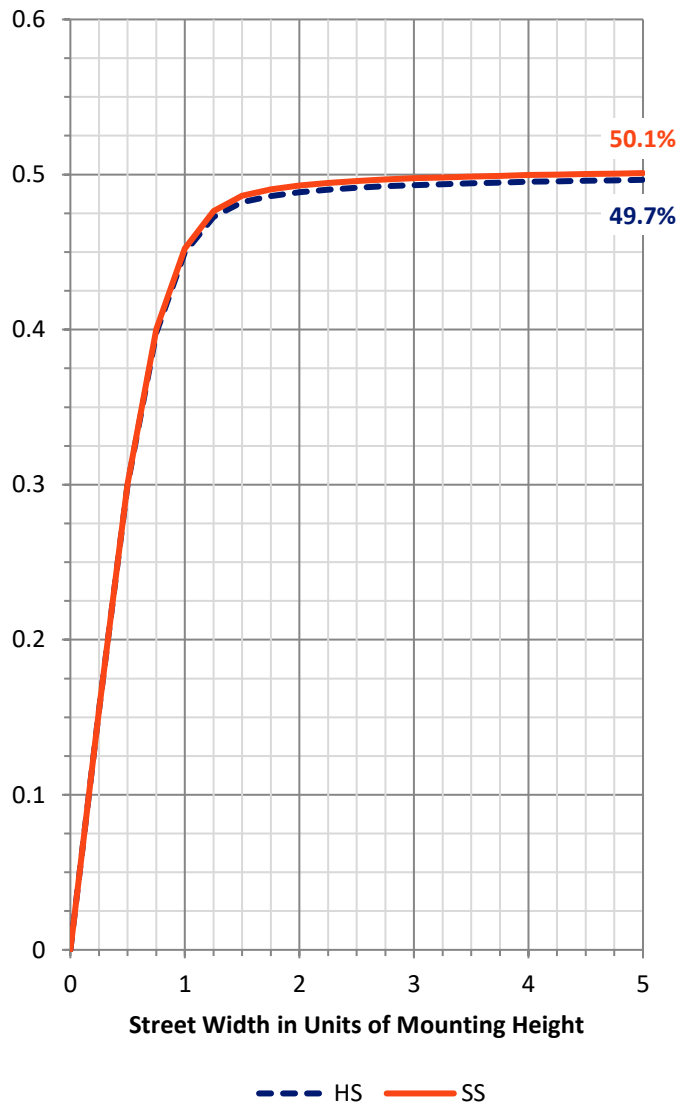
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10827.0	0.0	10827.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10827.0	0.0	10827.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21654.0	0.0	21654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.3	1.8
10°-20°	1199.6	5.5
20°-30°	2000.2	9.2
30°-40°	2750.9	12.7
40°-50°	3359.6	15.5
50°-60°	3885.8	17.9
60°-70°	4633.2	21.4
70°-80°	3233.7	14.9
80°-90°	198.6	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°	21654.0	100.0
0°-180°	21654.0	100.0

Coefficient of Utilization

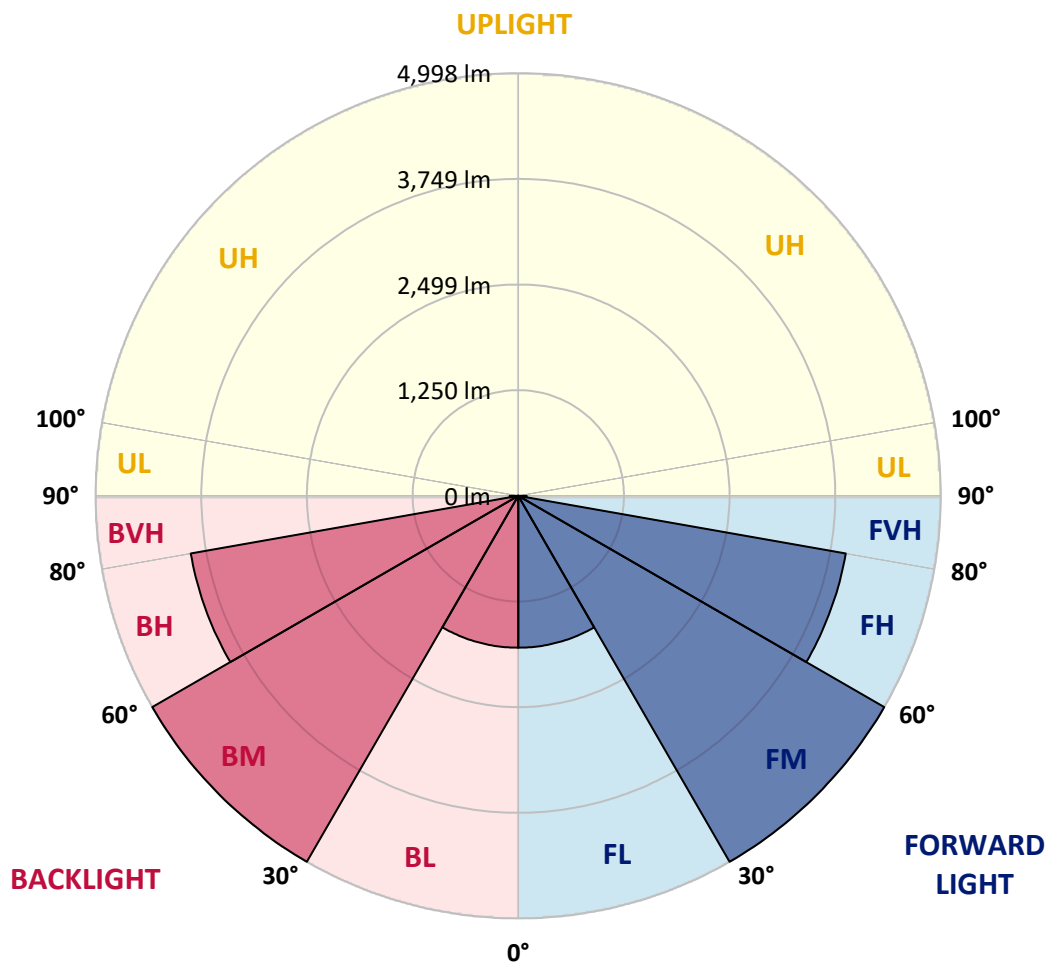


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1796.1	8.3			
FM (30°-60°)	4998.2	23.1			
FH (60°-80°)	3933.4	18.2			G2/5000
FVH (80°-90°)	99.3	0.5			G1/100
BL (0°-30°)	1796.1	8.3	B3/2500		
BM (30°-60°)	4998.2	23.1	B3/5000		
BH (60°-80°)	3933.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	99.3	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°	4046.3	4046.3	4046.3	4046.3	4046.3	4046.3	4046.3	4046.3	4046.3	4046.3
2.5°	4049.7	4054.3	4054.3	4050.9	4058.9	4052.0	4052.0	4048.6	4052.0	4048.6
5°	4070.4	4076.2	4078.5	4077.4	4087.7	4082.0	4082.0	4077.4	4078.5	4075.0
7.5°	4109.6	4117.6	4122.2	4128.0	4142.9	4136.0	4131.4	4117.6	4111.9	4102.7
10°	4122.2	4131.4	4146.4	4176.3	4210.8	4212.0	4198.2	4163.7	4137.2	4116.5
12.5°	4083.1	4095.8	4126.8	4187.8	4264.9	4296.0	4274.1	4216.6	4164.8	4128.0
15°	4033.6	4047.4	4094.6	4186.7	4300.6	4373.1	4370.8	4294.9	4212.0	4154.5
17.5°	3956.5	3970.3	4038.2	4167.1	4328.2	4447.9	4480.1	4401.9	4285.6	4208.5
20°	3817.3	3829.9	3924.3	4105.0	4337.4	4527.3	4611.3	4542.3	4397.3	4292.6
22.5°	3636.6	3656.2	3766.6	3997.9	4315.6	4610.2	4760.9	4713.8	4527.3	4382.3
25°	3443.2	3464.0	3592.9	3866.8	4259.2	4670.0	4938.2	4908.2	4674.6	4493.9
27.5°	3276.4	3298.2	3438.6	3736.7	4171.7	4693.0	5113.1	5128.0	4853.0	4617.1
30°	3145.2	3165.9	3315.5	3632.0	4058.9	4670.0	5266.1	5369.7	5034.8	4724.1
32.5°	3001.3	3027.8	3185.5	3504.2	3925.4	4614.8	5399.6	5631.0	5245.4	4839.2
35°	2819.5	2843.7	3009.4	3329.3	3750.5	4526.2	5511.3	5921.0	5546.9	5014.1
37.5°	2598.5	2621.6	2786.1	3110.7	3576.7	4401.9	5596.4	6247.8	5906.0	5266.1
40°	2376.4	2398.3	2552.5	2866.7	3368.4	4243.1	5626.4	6567.7	6318.0	5612.5
42.5°	2172.7	2192.3	2333.9	2626.2	3134.8	4040.5	5587.2	6846.2	6687.4	5854.2
45°	1985.2	2002.4	2127.9	2400.6	2892.0	3794.2	5469.8	7145.4	7127.0	6026.8
47.5°	1771.1	1788.4	1918.4	2182.0	2649.2	3505.4	5270.7	7440.0	7738.1	6418.1
50°	1509.9	1524.8	1658.3	1929.9	2397.2	3198.1	4994.6	7671.4	8509.2	7010.8
52.5°	1200.3	1216.4	1346.5	1618.1	2097.9	2867.8	4630.9	7822.1	9399.9	7876.2
55°	893.0	904.5	1017.3	1261.3	1727.4	2491.5	4175.2	7864.7	10410.3	9059.2
57.5°	647.9	654.8	727.3	909.1	1309.6	2020.8	3621.6	7754.2	11612.9	10576.0
60°	524.8	527.1	548.9	629.5	910.3	1489.2	2953.0	7374.4	12917.9	12531.3
62.5°	476.4	476.4	482.2	504.1	615.7	982.8	2144.0	6587.3	14317.3	15002.1
65°	443.1	443.1	445.4	455.7	485.6	626.0	1353.4	5305.3	15496.9	17896.4
67.5°	413.1	414.3	413.1	416.6	433.9	462.6	784.9	3664.2	16132.2	20895.4
70°	382.1	384.4	378.6	378.6	392.4	393.6	491.4	2009.3	15605.1	23408.8
72.5°	345.2	348.7	339.5	337.2	347.5	342.9	369.4	964.4	13397.8	24159.1
75°	313.0	317.6	296.9	291.2	291.2	287.7	300.4	494.9	8695.6	19707.8
77.5°	284.3	293.5	260.1	241.7	237.1	226.7	245.1	302.7	3803.5	9252.6
80°	234.8	247.4	214.1	192.2	184.1	172.6	193.3	211.8	1131.3	2148.6
82.5°	174.9	180.7	151.9	136.9	130.0	122.0	145.0	147.3	368.3	760.7
85°	111.6	113.9	93.2	80.6	77.1	73.7	92.1	80.6	140.4	559.3
87.5°	39.1	44.9	35.7	32.2	34.5	28.8	42.6	24.2	39.1	394.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4046.3
4048.6
4075.0
4102.7
4113.0
4122.2
4145.2
4195.9
4273.0
4355.8
4457.1
4578.0
4667.7
4767.8
4934.7
5160.3
5499.8
5709.2
5831.2
6192.6
6727.7
7527.5
8623.1
10027.1
11839.6
14075.7
16724.8
19630.7
23076.2
25033.8
21079.5
9060.4
2057.7
859.7
812.5
489.1
0.0

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