

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: P848204

Luminaire Tested: **GLAN-SB4C-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848204
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-SB4C-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20032 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

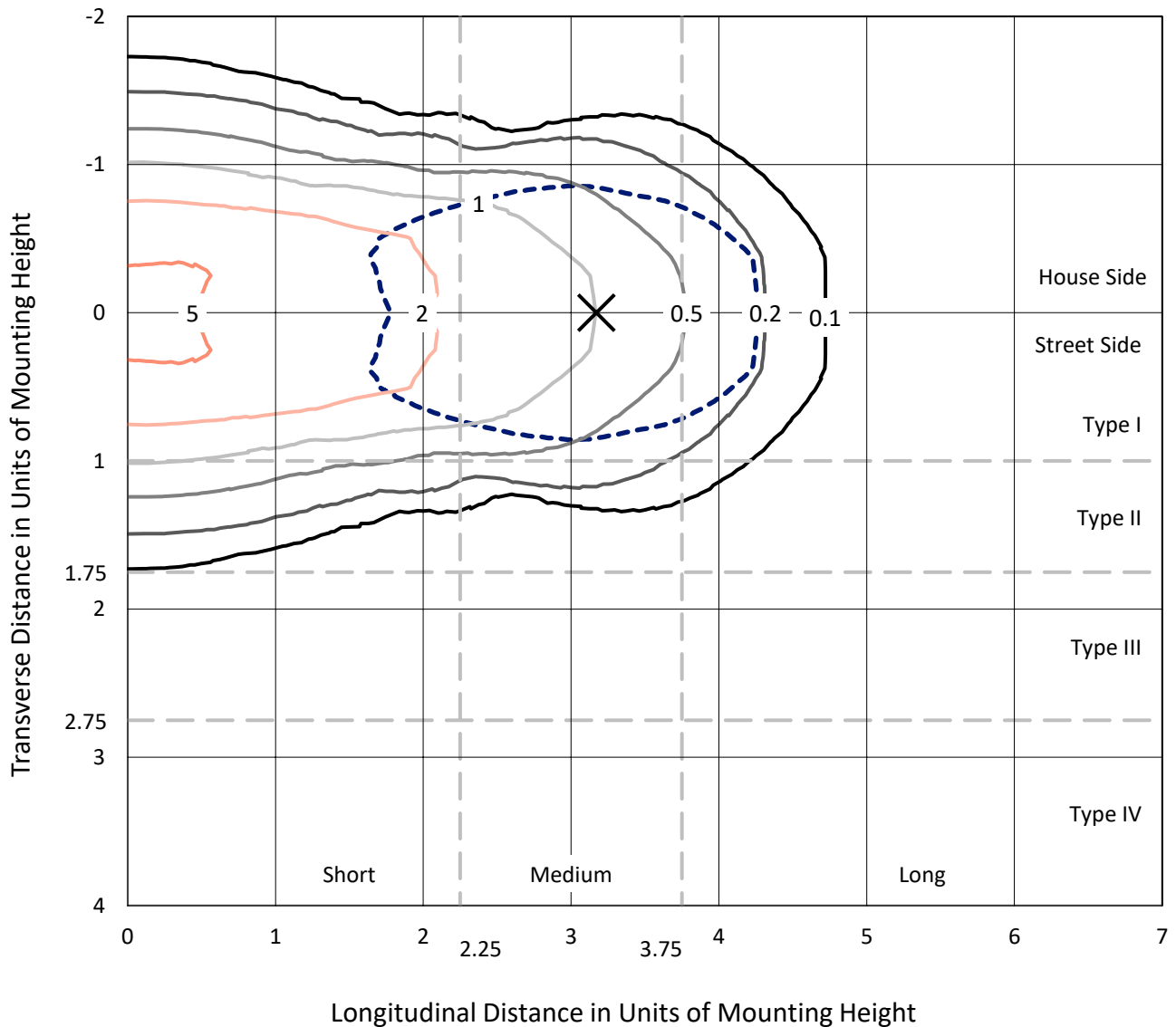
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

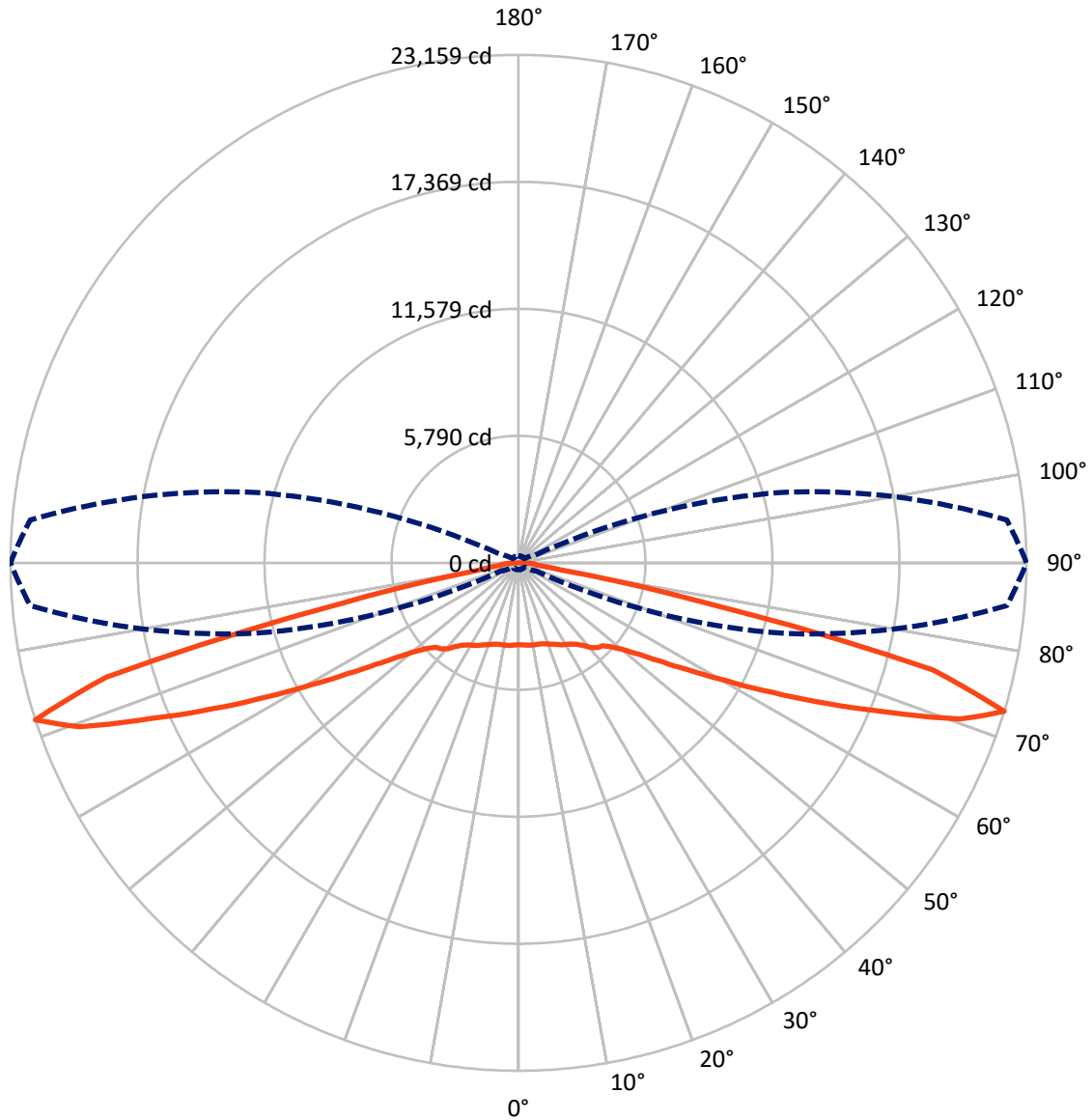
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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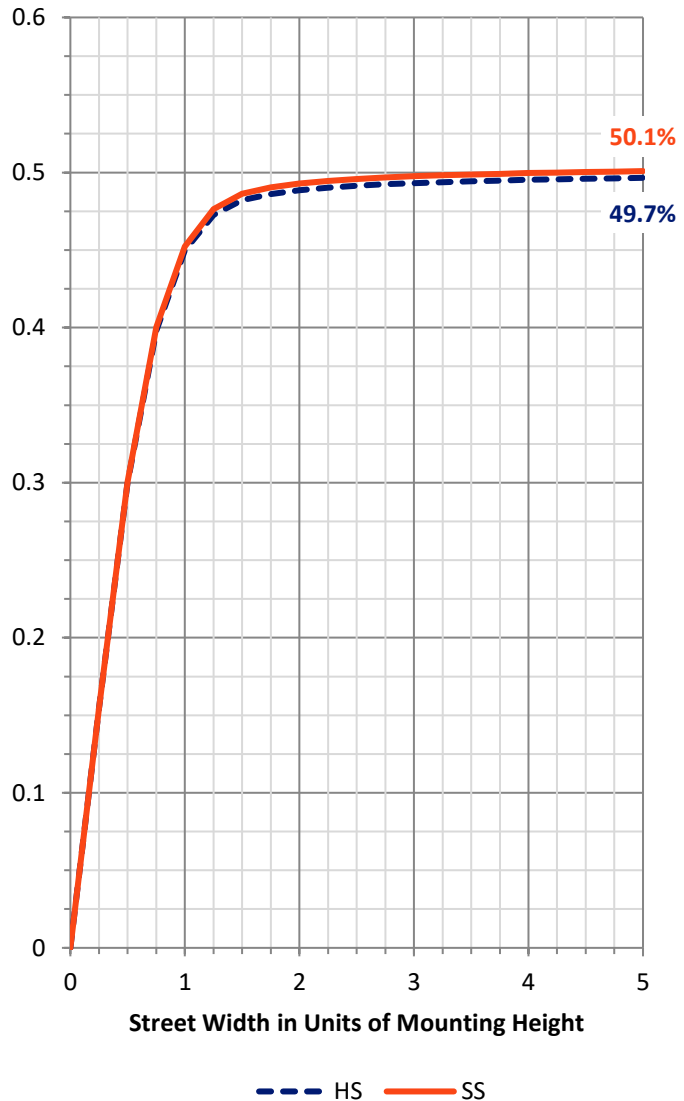
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10016.0	0.0	10016.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10016.0	0.0	10016.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20032.0	0.0	20032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.9	1.8
10°-20°	1109.7	5.5
20°-30°	1850.4	9.2
30°-40°	2544.9	12.7
40°-50°	3108.0	15.5
50°-60°	3594.7	17.9
60°-70°	4286.1	21.4
70°-80°	2991.4	14.9
80°-90°	183.7	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°	20032.0	100.0
0°-180°	20032.0	100.0

Coefficient of Utilization

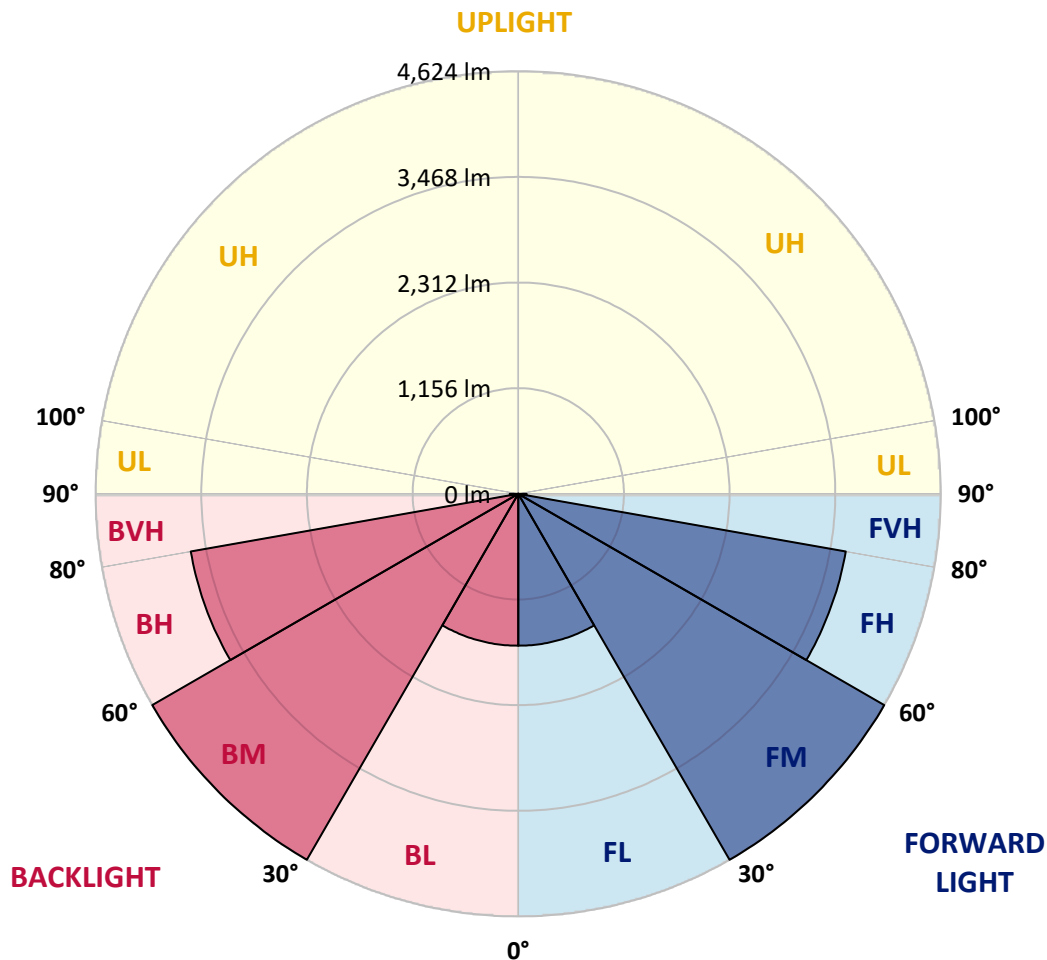


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.6	8.3			
FM (30°-60°)	4623.8	23.1			
FH (60°-80°)	3638.8	18.2			G2/5000
FVH (80°-90°)	91.9	0.5			G1/100
BL (0°-30°)	1661.6	8.3	B3/2500		
BM (30°-60°)	4623.8	23.1	B3/5000		
BH (60°-80°)	3638.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	91.9	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°	3743.2	3743.2	3743.2	3743.2	3743.2	3743.2	3743.2	3743.2	3743.2	3743.2
2.5°	3746.4	3750.6	3750.6	3747.4	3754.9	3748.5	3748.5	3745.3	3748.5	3745.3
5°	3765.5	3770.9	3773.0	3771.9	3781.5	3776.2	3776.2	3771.9	3773.0	3769.8
7.5°	3801.7	3809.2	3813.5	3818.8	3832.6	3826.2	3822.0	3809.2	3803.9	3795.4
10°	3813.5	3822.0	3835.8	3863.5	3895.4	3896.5	3883.7	3851.8	3827.3	3808.1
12.5°	3777.3	3789.0	3817.7	3874.1	3945.5	3974.2	3954.0	3900.8	3852.8	3818.8
15°	3731.5	3744.3	3787.9	3873.1	3978.5	4045.5	4043.4	3973.1	3896.5	3843.3
17.5°	3660.2	3672.9	3735.7	3855.0	4004.0	4114.7	4144.6	4072.2	3964.6	3893.3
20°	3531.3	3543.0	3630.3	3797.5	4012.5	4188.2	4265.9	4202.0	4067.9	3971.0
22.5°	3364.2	3382.3	3484.5	3698.5	3992.3	4264.9	4404.3	4360.7	4188.2	4054.1
25°	3185.3	3204.5	3323.7	3577.1	3940.1	4320.2	4568.3	4540.6	4324.5	4157.3
27.5°	3031.0	3051.2	3181.1	3456.8	3859.2	4341.5	4730.1	4743.9	4489.5	4271.2
30°	2909.6	2928.8	3067.2	3359.9	3754.9	4320.2	4871.7	4967.5	4657.7	4370.2
32.5°	2776.5	2801.0	2946.9	3241.8	3631.4	4269.1	4995.2	5209.2	4852.5	4476.7
35°	2608.3	2630.7	2784.0	3079.9	3469.6	4187.1	5098.4	5477.5	5131.5	4638.5
37.5°	2403.9	2425.2	2577.4	2877.7	3308.8	4072.2	5177.2	5779.8	5463.6	4871.7
40°	2198.4	2218.7	2361.3	2652.0	3116.1	3925.2	5204.9	6075.8	5844.7	5192.1
42.5°	2010.0	2028.1	2159.0	2429.5	2900.0	3737.9	5168.7	6333.4	6186.5	5415.7
45°	1836.5	1852.4	1968.5	2220.8	2675.4	3510.0	5060.1	6610.2	6593.2	5575.4
47.5°	1638.4	1654.4	1774.7	2018.5	2450.7	3242.8	4875.9	6882.7	7158.5	5937.4
50°	1396.8	1410.6	1534.1	1785.4	2217.6	2958.6	4620.4	7096.7	7871.8	6485.6
52.5°	1110.4	1125.3	1245.6	1496.9	1940.8	2653.0	4284.0	7236.2	8695.8	7286.2
55°	826.1	836.8	941.1	1166.8	1598.0	2304.9	3862.4	7275.6	9630.5	8380.7
57.5°	599.4	605.8	672.8	841.0	1211.5	1869.5	3350.3	7173.4	10743.0	9783.8
60°	485.5	487.6	507.8	582.3	842.1	1377.6	2731.8	6822.1	11950.3	11592.6
62.5°	440.8	440.8	446.1	466.3	569.6	909.2	1983.4	6093.9	13244.9	13878.3
65°	409.9	409.9	412.0	421.6	449.3	579.2	1252.0	4907.9	14336.1	16555.8
67.5°	382.2	383.3	382.2	385.4	401.4	428.0	726.1	3389.7	14923.8	19330.2
70°	353.5	355.6	350.3	350.3	363.0	364.1	454.6	1858.8	14436.2	21655.4
72.5°	319.4	322.6	314.1	311.9	321.5	317.3	341.7	892.1	12394.3	22349.5
75°	289.6	293.8	274.7	269.3	269.3	266.2	277.9	457.8	8044.2	18231.6
77.5°	263.0	271.5	240.6	223.6	219.3	209.7	226.8	280.0	3518.6	8559.5
80°	217.2	228.9	198.0	177.8	170.3	159.7	178.9	195.9	1046.5	1987.6
82.5°	161.8	167.1	140.5	126.7	120.3	112.8	134.1	136.3	340.7	703.7
85°	103.3	105.4	86.2	74.5	71.3	68.1	85.2	74.5	129.9	517.4
87.5°	36.2	41.5	33.0	29.8	31.9	26.6	39.4	22.4	36.2	365.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3743.2
3745.3
3769.8
3795.4
3804.9
3813.5
3834.7
3881.6
3952.9
4029.6
4123.3
4235.0
4318.1
4410.7
4565.1
4773.7
5087.8
5281.6
5394.4
5728.7
6223.7
6963.7
7977.2
9276.0
10952.8
13021.3
15472.1
18160.2
21347.7
23158.6
19500.6
8381.7
1903.5
795.3
751.6
452.5
0.0

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