

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: P848774

Luminaire Tested: **GLAN-SB5C-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848774
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-SB5C-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36151 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

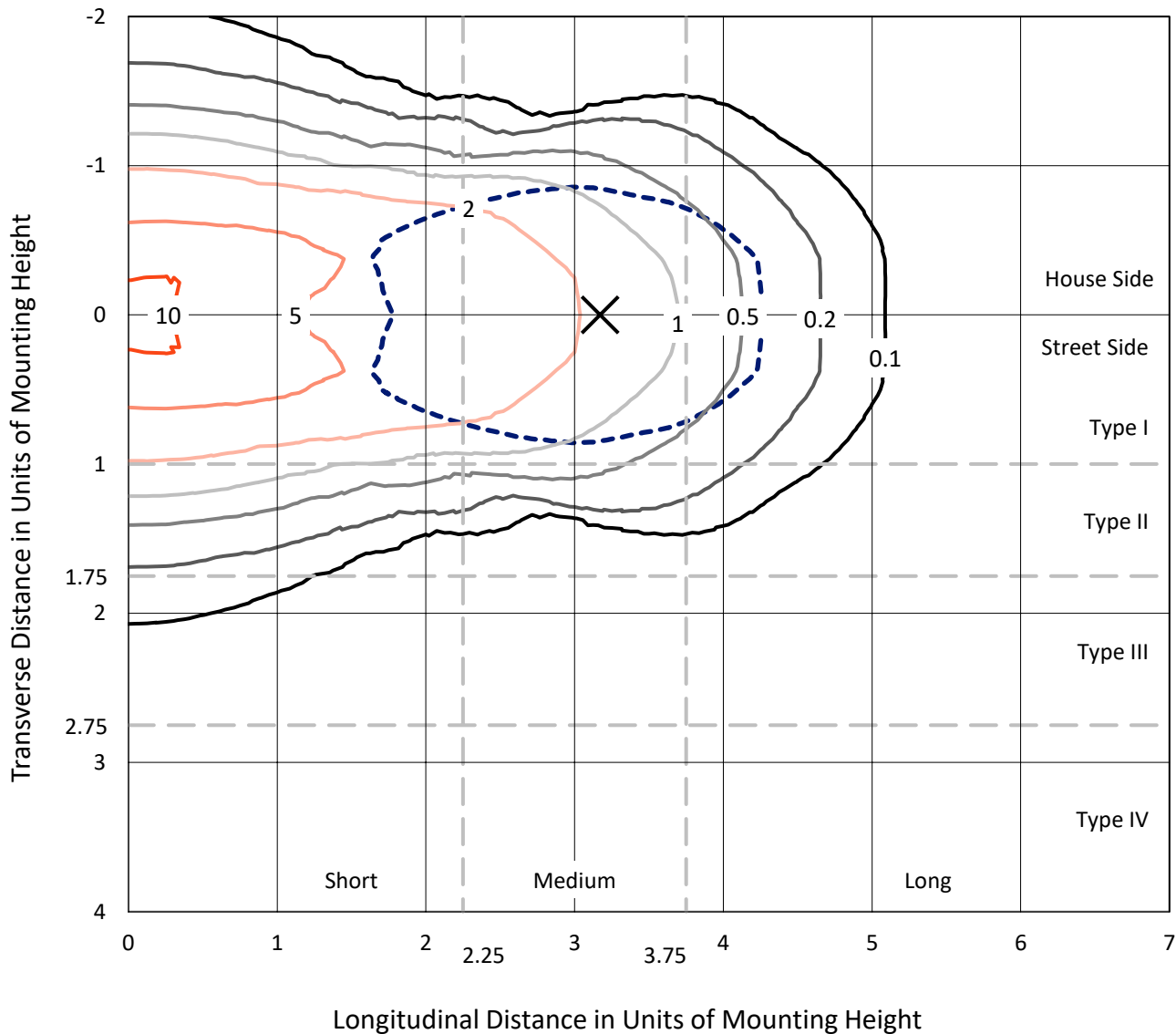
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

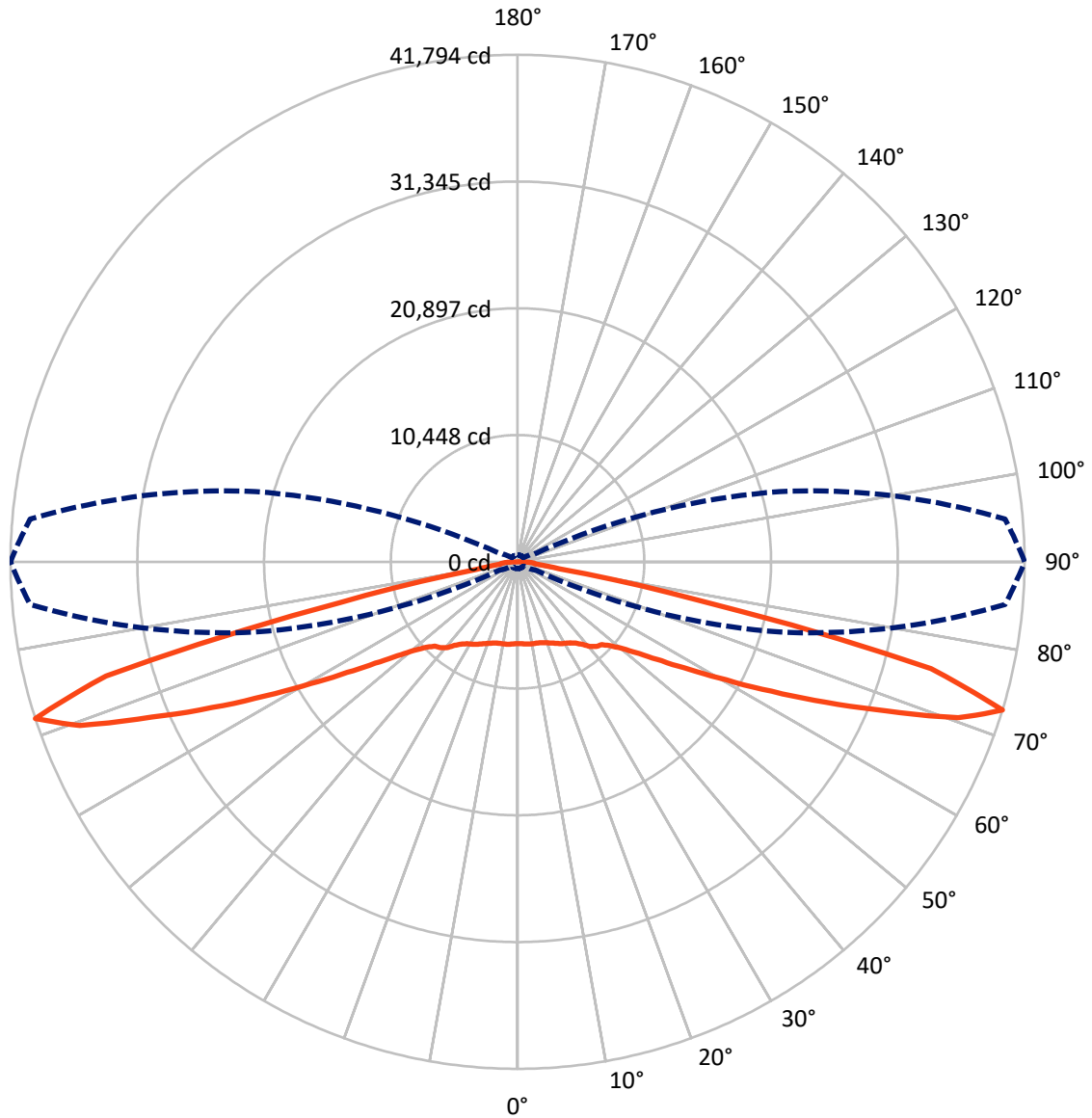
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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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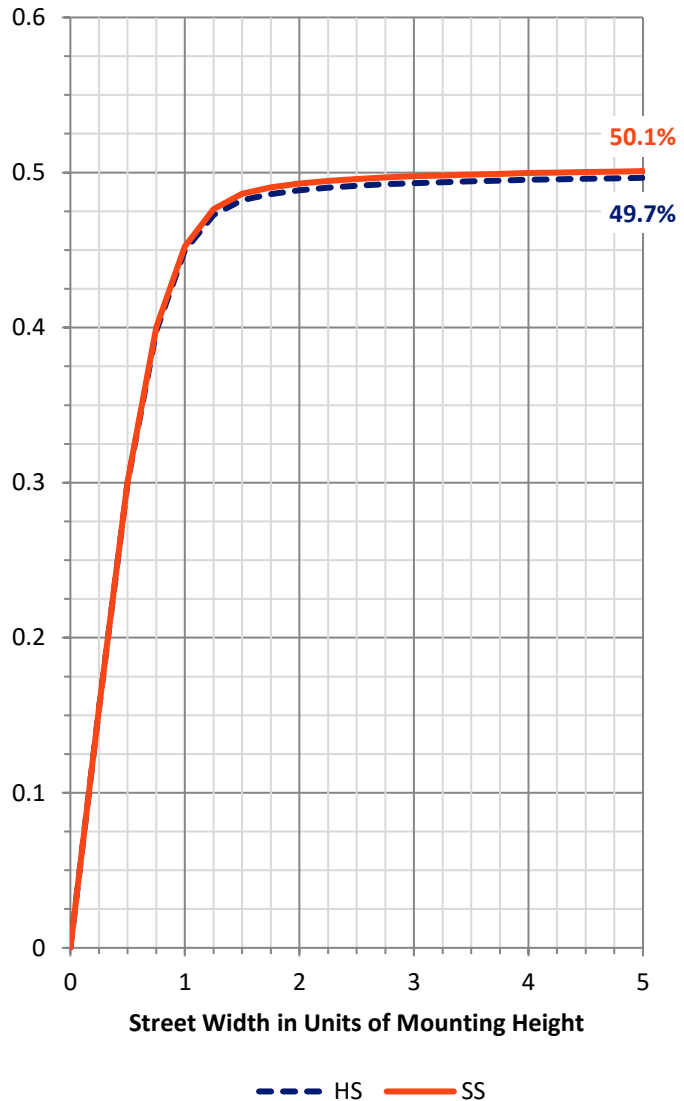
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18075.5	0.0	18075.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18075.5	0.0	18075.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36151.0	0.0	36151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.0	1.8
10°-20°	2002.7	5.5
20°-30°	3339.4	9.2
30°-40°	4592.7	12.7
40°-50°	5608.9	15.5
50°-60°	6487.3	17.9
60°-70°	7735.0	21.4
70°-80°	5398.5	14.9
80°-90°	331.6	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°	36151.0	100.0
0°-180°	36151.0	100.0

Coefficient of Utilization



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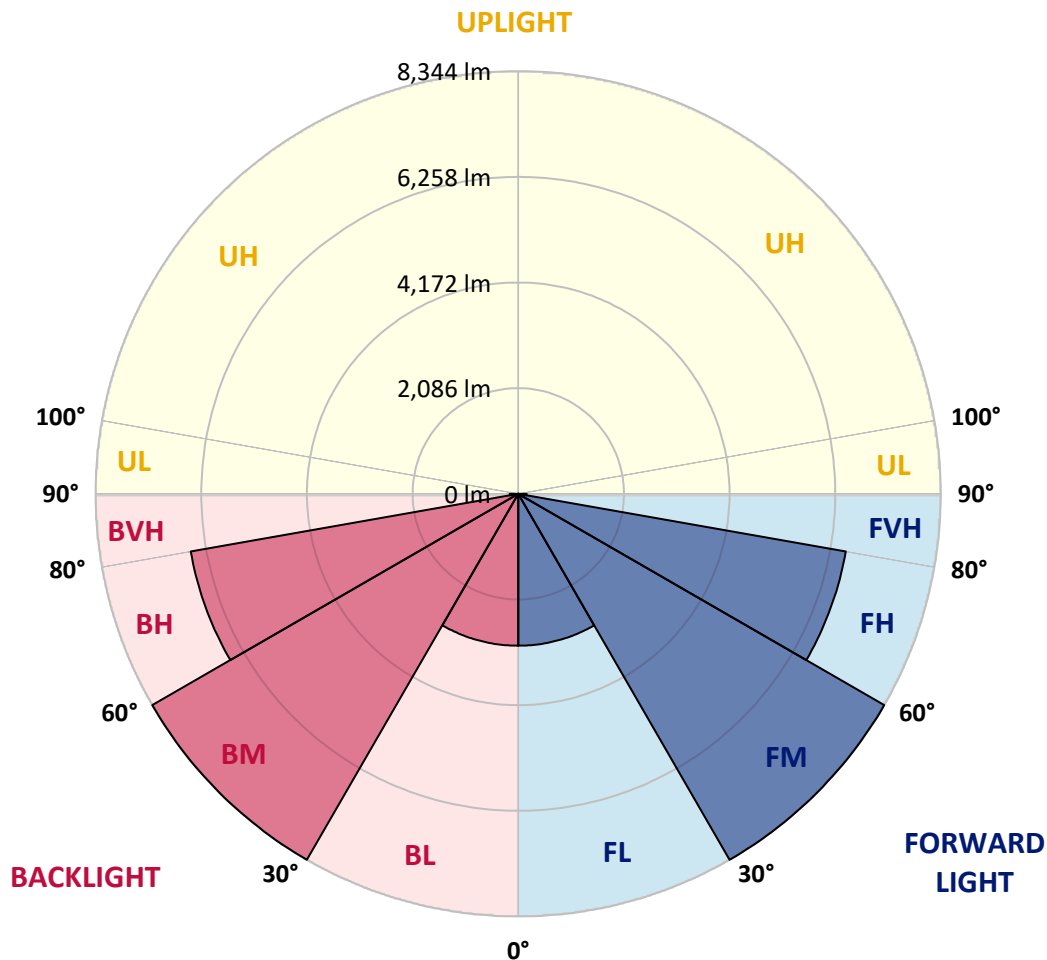
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2998.5	8.3			
FM (30°-60°)	8344.4	23.1			
FH (60°-80°)	6566.8	18.2			G3/7500
FVH (80°-90°)	165.8	0.5			G2/225
BL (0°-30°)	2998.5	8.3	B4/5000		
BM (30°-60°)	8344.4	23.1	B4/8500		
BH (60°-80°)	6566.8	18.2	B5		G5
BVH (80°-90°)	165.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6755.2	6755.2	6755.2	6755.2	6755.2	6755.2	6755.2	6755.2	6755.2	6755.2
2.5°	6761.0	6768.6	6768.6	6762.9	6776.3	6764.8	6764.8	6759.0	6764.8	6759.0
5°	6795.5	6805.1	6809.0	6807.1	6824.4	6814.8	6814.8	6807.1	6809.0	6803.2
7.5°	6860.9	6874.3	6882.0	6891.6	6916.6	6905.1	6897.4	6874.3	6864.7	6849.3
10°	6882.0	6897.4	6922.3	6972.3	7029.9	7031.9	7008.8	6951.2	6907.0	6872.4
12.5°	6816.7	6837.8	6889.7	6991.5	7120.2	7172.1	7135.6	7039.5	6953.1	6891.6
15°	6734.1	6757.1	6835.9	6989.6	7179.8	7300.8	7297.0	7170.2	7031.9	6935.8
17.5°	6605.3	6628.4	6741.7	6956.9	7225.9	7425.7	7479.5	7348.9	7154.8	7026.1
20°	6372.9	6394.0	6551.5	6853.2	7241.3	7558.3	7698.5	7583.3	7341.2	7166.3
22.5°	6071.2	6103.9	6288.3	6674.5	7204.8	7696.6	7948.3	7869.5	7558.3	7316.2
25°	5748.4	5783.0	5998.2	6455.5	7110.6	7796.5	8244.2	8194.2	7804.2	7502.6
27.5°	5469.9	5506.4	5740.8	6238.4	6964.6	7835.0	8536.2	8561.2	8102.0	7708.1
30°	5250.8	5285.4	5535.2	6063.5	6776.3	7796.5	8791.7	8964.7	8405.6	7886.8
32.5°	5010.7	5054.9	5318.1	5850.3	6553.5	7704.3	9014.6	9400.8	8757.2	8079.0
35°	4707.1	4747.5	5024.1	5558.2	6261.4	7556.4	9201.0	9884.9	9260.5	8371.0
37.5°	4338.2	4376.7	4651.4	5193.2	5971.3	7348.9	9343.2	10430.6	9860.0	8791.7
40°	3967.4	4003.9	4261.4	4785.9	5623.6	7083.7	9393.1	10964.7	10547.8	9370.0
42.5°	3627.4	3660.0	3896.3	4384.3	5233.5	6745.6	9327.8	11429.7	11164.5	9773.5
45°	3314.2	3343.0	3552.4	4007.8	4828.2	6334.4	9131.8	11929.2	11898.4	10061.7
47.5°	2956.8	2985.7	3202.8	3642.7	4422.8	5852.2	8799.4	12421.0	12918.6	10714.9
50°	2520.7	2545.7	2768.6	3222.0	4002.0	5339.2	8338.3	12807.2	14205.9	11704.4
52.5°	2003.9	2030.8	2247.9	2701.3	3502.5	4787.8	7731.2	13058.9	15693.0	13149.2
55°	1490.9	1510.1	1698.4	2105.7	2883.8	4159.6	6970.4	13130.0	17379.8	15124.3
57.5°	1081.7	1093.2	1214.2	1517.8	2186.4	3373.8	6046.2	12945.5	19387.6	17656.5
60°	876.1	879.9	916.4	1050.9	1519.7	2486.1	4930.0	12311.5	21566.3	20920.7
62.5°	795.4	795.4	805.0	841.5	1027.9	1640.8	3579.3	10997.4	23902.6	25045.7
65°	739.7	739.7	743.5	760.8	810.8	1045.2	2259.4	8857.1	25871.9	29877.7
67.5°	689.7	691.7	689.7	695.5	724.3	772.4	1310.3	6117.3	26932.4	34884.6
70°	637.9	641.7	632.1	632.1	655.2	657.1	820.4	3354.5	26052.5	39080.6
72.5°	576.4	582.1	566.8	562.9	580.2	572.5	616.7	1610.0	22367.5	40333.3
75°	522.6	530.3	495.7	486.1	486.1	480.3	501.5	826.1	14517.1	32901.8
77.5°	474.6	489.9	434.2	403.5	395.8	378.5	409.2	505.3	6349.8	15447.0
80°	391.9	413.1	357.4	320.9	307.4	288.2	322.8	353.5	1888.6	3587.0
82.5°	292.0	301.6	253.6	228.6	217.1	203.7	242.1	245.9	614.8	1270.0
85°	186.4	190.2	155.6	134.5	128.7	123.0	153.7	134.5	234.4	933.7
87.5°	65.3	74.9	59.6	53.8	57.6	48.0	71.1	40.3	65.3	659.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6755.2
6759.0
6803.2
6849.3
6866.6
6882.0
6920.4
7005.0
7133.7
7272.0
7441.1
7642.8
7792.7
7959.8
8238.4
8615.0
9181.8
9531.4
9735.1
10338.4
11231.8
12567.0
14396.1
16740.1
19766.1
23499.1
27921.9
32773.1
38525.4
41793.5
35192.0
15126.2
3435.2
1435.2
1356.4
816.5
0.0

OF REPORT)