

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: P848944

Luminaire Tested: **GLAN-SB5D-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848944
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-SB5D-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49122 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

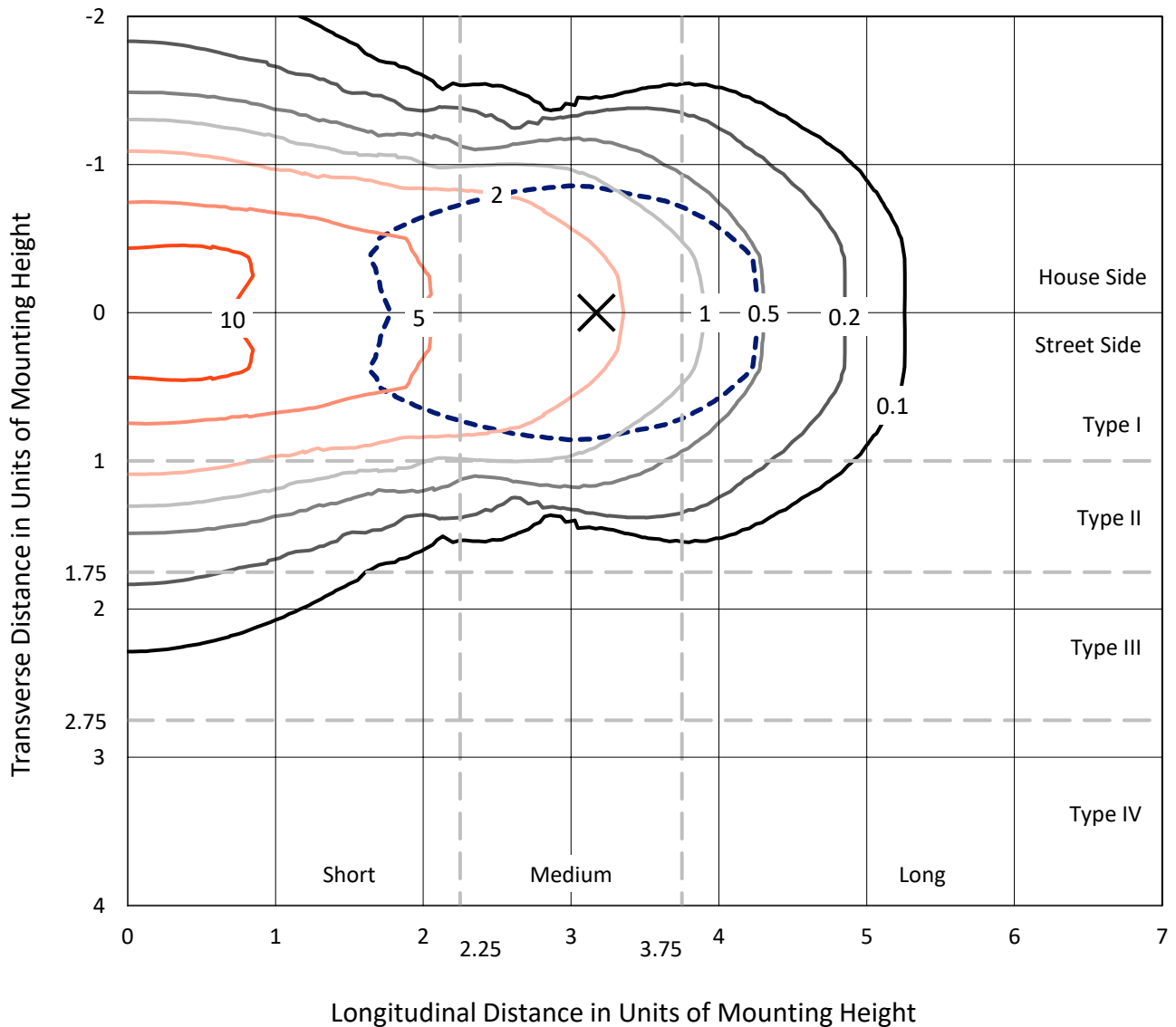
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

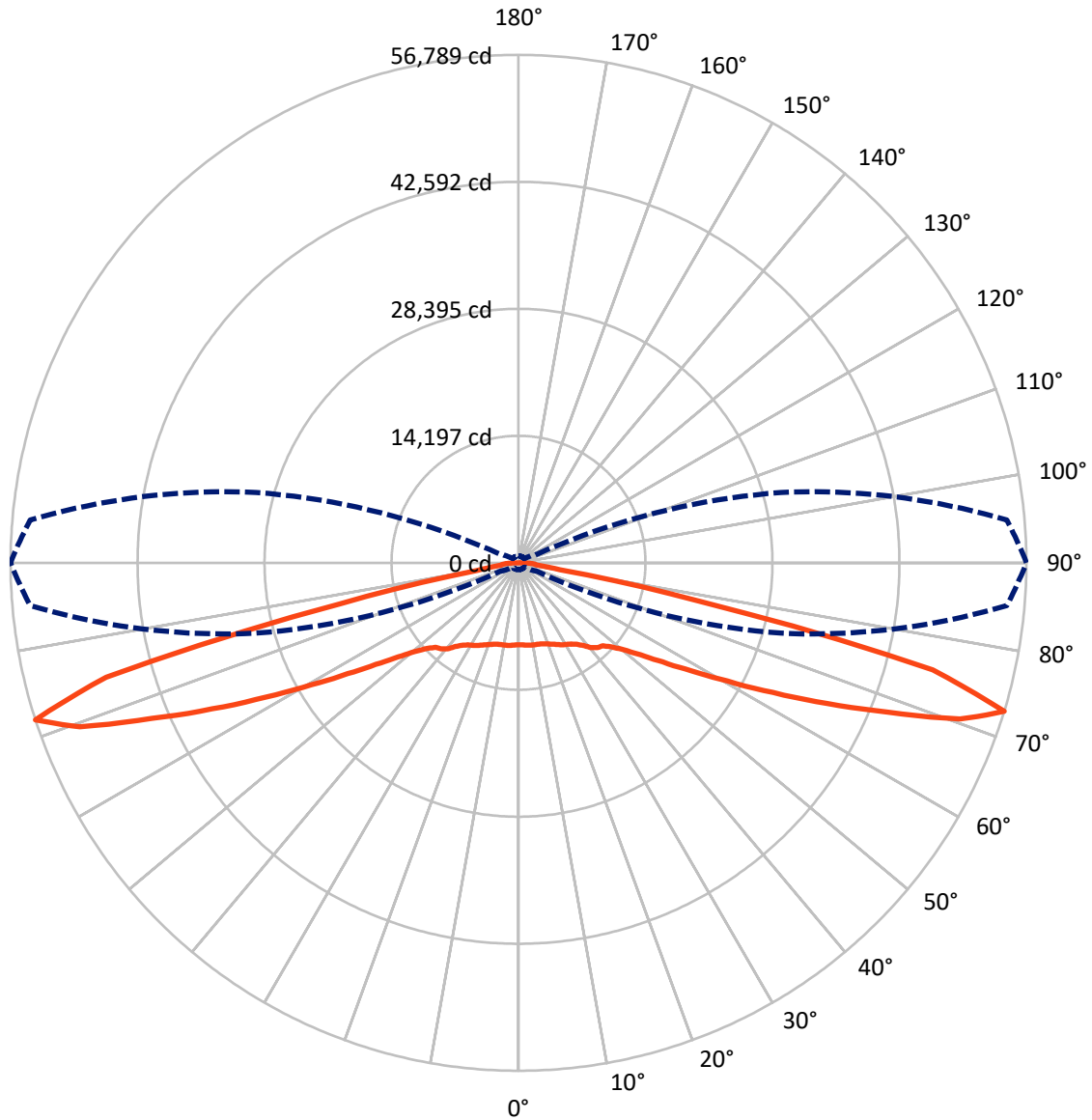
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	24561.0	0.0	24561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24561.0	0.0	24561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49122.0	0.0	49122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.0	1.8
10°-20°	2721.3	5.5
20°-30°	4537.5	9.2
30°-40°	6240.5	12.7
40°-50°	7621.4	15.5
50°-60°	8814.9	17.9
60°-70°	10510.3	21.4
70°-80°	7335.5	14.9
80°-90°	450.6	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°	49122.0	100.0
0°-180°	49122.0	100.0

Coefficient of Utilization

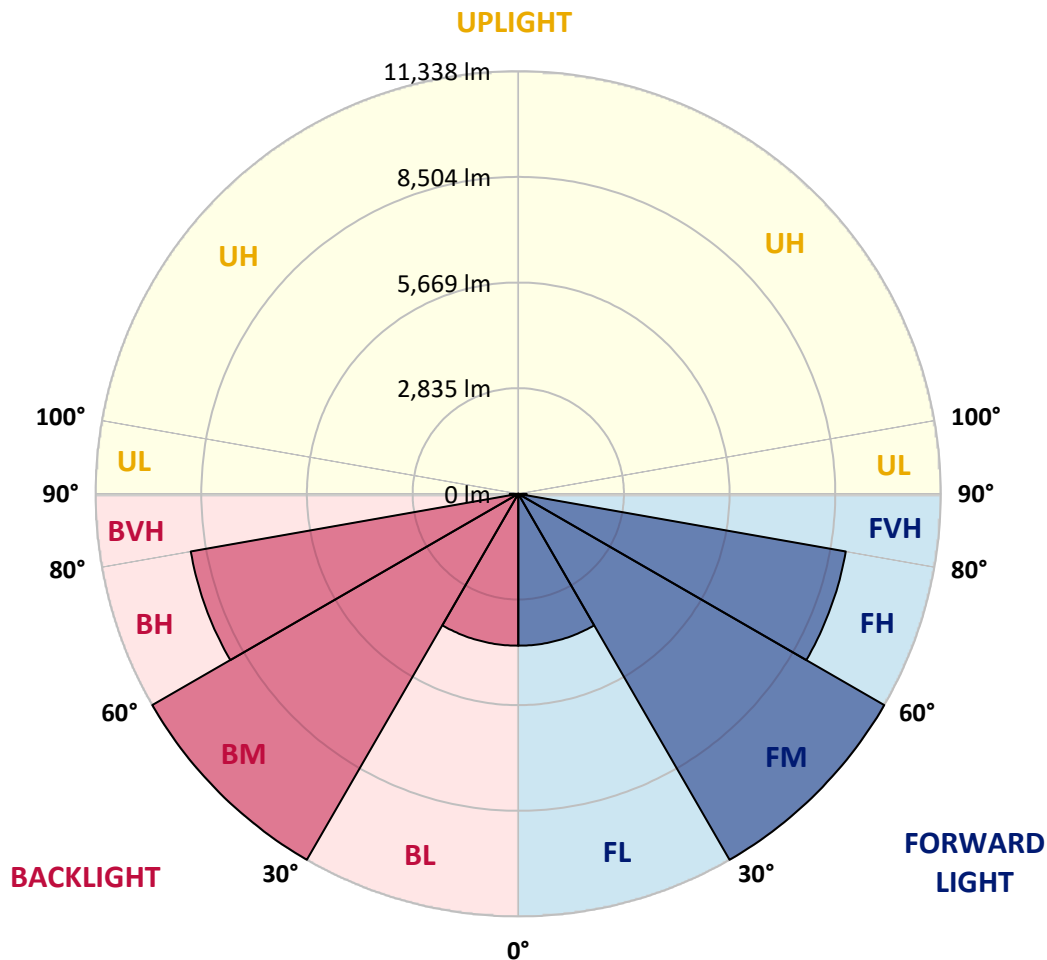


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4074.4	8.3			
FM (30°-60°)	11338.4	23.1			
FH (60°-80°)	8922.9	18.2			G4/12000
FVH (80°-90°)	225.3	0.5			G3/500
BL (0°-30°)	4074.4	8.3	B4/5000		
BM (30°-60°)	11338.4	23.1	B5		
BH (60°-80°)	8922.9	18.2	B5		G5
BVH (80°-90°)	225.3	0.5			G3/500
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°	9179.0	9179.0	9179.0	9179.0	9179.0	9179.0	9179.0	9179.0	9179.0	9179.0
2.5°	9186.8	9197.2	9197.2	9189.4	9207.7	9192.0	9192.0	9184.2	9192.0	9184.2
5°	9233.8	9246.8	9252.1	9249.5	9272.9	9259.9	9259.9	9249.5	9252.1	9244.2
7.5°	9322.5	9340.8	9351.3	9364.3	9398.3	9382.6	9372.2	9340.8	9327.8	9306.9
10°	9351.3	9372.2	9406.1	9474.0	9552.3	9554.9	9523.6	9445.2	9385.2	9338.2
12.5°	9262.5	9291.2	9361.7	9500.1	9675.0	9745.5	9695.9	9565.3	9447.9	9364.3
15°	9150.2	9181.6	9288.6	9497.5	9755.9	9920.4	9915.2	9742.9	9554.9	9424.4
17.5°	8975.3	9006.7	9160.7	9453.1	9818.6	10090.1	10163.2	9985.6	9722.0	9547.1
20°	8659.4	8688.2	8902.2	9312.1	9839.5	10270.2	10460.8	10304.1	9975.2	9737.6
22.5°	8249.6	8294.0	8544.6	9069.3	9789.9	10458.2	10800.2	10693.1	10270.2	9941.3
25°	7811.0	7858.0	8150.4	8771.7	9661.9	10593.9	11202.2	11134.3	10604.4	10194.5
27.5°	7432.5	7482.1	7800.6	8476.7	9463.5	10646.1	11599.0	11633.0	11009.0	10473.8
30°	7134.8	7181.8	7521.2	8239.1	9207.7	10593.9	11946.2	12181.2	11421.5	10716.6
32.5°	6808.5	6868.6	7226.2	7949.4	8904.8	10468.6	12249.1	12773.8	11899.2	10977.7
35°	6396.0	6450.9	6826.8	7552.5	8508.0	10267.6	12502.3	13431.7	12583.2	11374.5
37.5°	5894.8	5947.0	6320.3	7056.5	8113.8	9985.6	12695.5	14173.1	13397.7	11946.2
40°	5390.9	5440.5	5790.4	6503.1	7641.3	9625.4	12763.4	14898.8	14332.3	12732.0
42.5°	4928.9	4973.2	5294.4	5957.5	7111.3	9165.9	12674.6	15530.6	15170.4	13280.3
45°	4503.3	4542.5	4827.0	5445.8	6560.5	8607.2	12408.3	16209.4	16167.6	13671.9
47.5°	4017.8	4056.9	4351.9	4949.7	6009.7	7952.0	11956.7	16877.7	17553.9	14559.5
50°	3425.1	3459.1	3761.9	4378.0	5437.9	7254.9	11330.1	17402.4	19303.0	15903.9
52.5°	2722.9	2759.4	3054.4	3670.5	4759.2	6505.7	10505.2	17744.4	21323.6	17867.1
55°	2025.8	2052.0	2307.8	2861.2	3918.6	5652.0	9471.4	17841.0	23615.7	20550.9
57.5°	1469.8	1485.4	1649.9	2062.4	2970.9	4584.3	8215.6	17590.4	26343.8	23991.7
60°	1190.4	1195.7	1245.3	1428.0	2065.0	3378.2	6698.9	16728.9	29304.3	28427.1
62.5°	1080.8	1080.8	1093.9	1143.5	1396.7	2229.5	4863.6	14943.2	32478.8	34032.1
65°	1005.1	1005.1	1010.3	1033.8	1101.7	1420.2	3070.1	12035.0	35154.7	40597.9
67.5°	937.2	939.8	937.2	945.0	984.2	1049.5	1780.4	8312.2	36595.8	47401.2
70°	866.7	871.9	858.9	858.9	890.2	892.8	1114.7	4558.2	35400.1	53102.8
72.5°	783.2	791.0	770.1	764.9	788.4	778.0	838.0	2187.7	30392.9	54804.9
75°	710.1	720.5	673.5	660.5	660.5	652.7	681.4	1122.6	19725.9	44707.0
77.5°	644.8	665.7	590.0	548.2	537.8	514.3	556.1	686.6	8628.1	20989.4
80°	532.6	561.3	485.6	436.0	417.7	391.6	438.6	480.4	2566.2	4874.0
82.5°	396.8	409.9	344.6	310.7	295.0	276.7	328.9	334.2	835.4	1725.6
85°	253.2	258.5	211.5	182.7	174.9	167.1	208.9	182.7	318.5	1268.8
87.5°	88.8	101.8	80.9	73.1	78.3	65.3	96.6	54.8	88.8	895.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9179.0
9184.2
9244.2
9306.9
9330.4
9351.3
9403.5
9518.3
9693.3
9881.2
10111.0
10385.1
10588.7
10815.8
11194.4
11706.1
12476.2
12951.3
13228.0
14047.8
15261.7
17076.1
19561.4
22746.4
26858.1
31930.6
37940.2
44532.1
52348.3
56789.0
47818.9
20553.5
4667.8
1950.1
1843.1
1109.5
0.0

OF REPORT)