

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: P850984

Luminaire Tested: **GLAN-SB8D-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850984
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-SB8D-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 78632 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

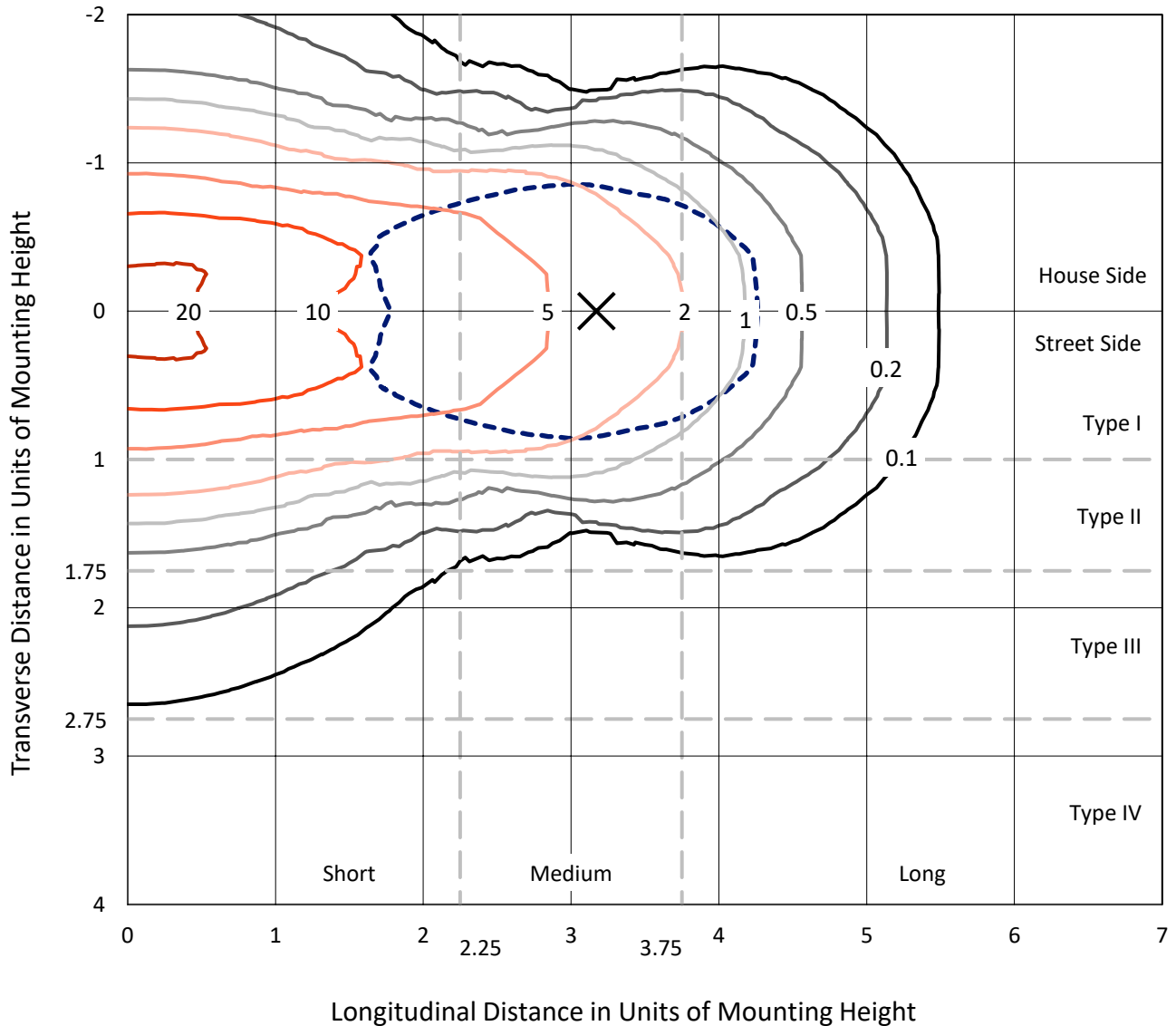
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

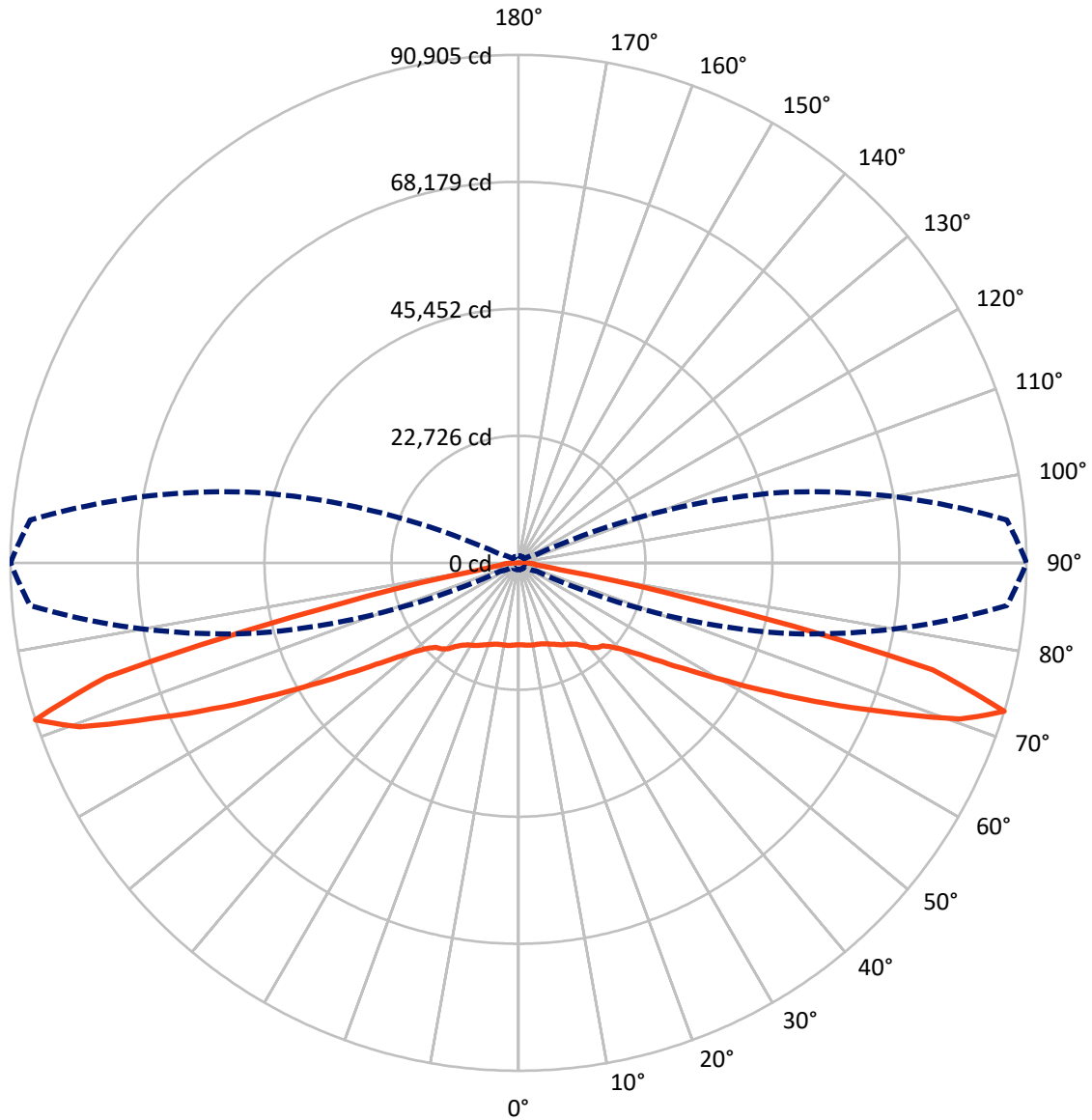
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.5 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	39316.0	0.0	39316.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39316.0	0.0	39316.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	78632.0	0.0	78632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1424.7	1.8
10°-20°	4356.1	5.5
20°-30°	7263.4	9.2
30°-40°	9989.5	12.7
40°-50°	12199.9	15.5
50°-60°	14110.5	17.9
60°-70°	16824.4	21.4
70°-80°	11742.3	14.9
80°-90°	721.2	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°	78632.0	100.0
0°-180°	78632.0	100.0

Coefficient of Utilization



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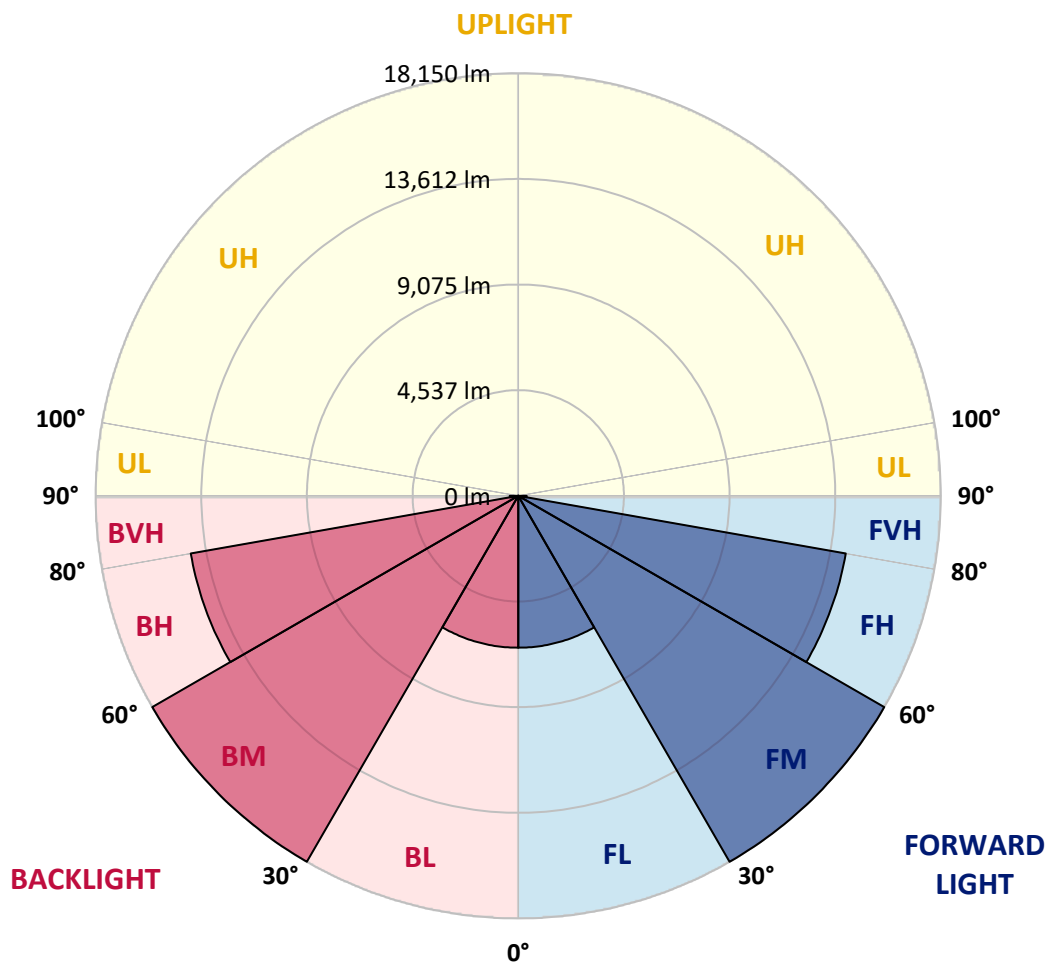
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6522.1	8.3			
FM (30°-60°)	18149.9	23.1			
FH (60°-80°)	14283.4	18.2			G5
FVH (80°-90°)	360.6	0.5			G3/500
BL (0°-30°)	6522.1	8.3	B5		
BM (30°-60°)	18149.9	23.1	B5		
BH (60°-80°)	14283.4	18.2	B5		G5
BVH (80°-90°)	360.6	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°	14693.2	14693.2	14693.2	14693.2	14693.2	14693.2	14693.2	14693.2	14693.2	14693.2
2.5°	14705.8	14722.5	14722.5	14709.9	14739.2	14714.1	14714.1	14701.6	14714.1	14701.6
5°	14781.0	14801.9	14810.2	14806.1	14843.7	14822.8	14822.8	14806.1	14810.2	14797.7
7.5°	14923.1	14952.3	14969.0	14989.9	15044.3	15019.2	15002.5	14952.3	14931.4	14898.0
10°	14969.0	15002.5	15056.8	15165.4	15290.8	15295.0	15244.8	15119.5	15023.4	14948.1
12.5°	14826.9	14872.9	14985.7	15207.2	15487.2	15600.1	15520.7	15311.7	15123.7	14989.9
15°	14647.3	14697.4	14868.7	15203.1	15616.8	15880.0	15871.7	15595.9	15295.0	15086.0
17.5°	14367.3	14417.4	14664.0	15132.0	15717.1	16151.7	16268.7	15984.5	15562.4	15282.5
20°	13861.6	13907.6	14250.2	14906.3	15750.5	16440.0	16745.1	16494.4	15967.8	15587.5
22.5°	13205.5	13276.6	13677.7	14517.7	15671.1	16740.9	17288.4	17117.0	16440.0	15913.5
25°	12503.4	12578.7	13046.7	14041.3	15466.3	16958.2	17931.9	17823.3	16974.9	16318.8
27.5°	11897.5	11976.9	12486.7	13569.1	15148.7	17041.8	18567.1	18621.4	17622.7	16766.0
30°	11421.1	11496.3	12039.6	13188.8	14739.2	16958.2	19122.9	19499.0	18282.9	17154.6
32.5°	10898.7	10994.8	11567.4	12724.9	14254.4	16757.6	19607.7	20447.6	19047.7	17572.5
35°	10238.4	10326.2	10928.0	12089.7	13619.2	16435.8	20013.0	21500.7	20142.6	18207.7
37.5°	9436.1	9519.7	10117.3	11295.7	12988.2	15984.5	20322.3	22687.6	21446.4	19122.9
40°	8629.5	8709.0	9268.9	10409.8	12231.8	15407.8	20430.9	23849.3	22942.5	20380.8
42.5°	7889.9	7960.9	8474.9	9536.4	11383.5	14672.3	20288.8	24860.6	24283.9	21258.4
45°	7208.7	7271.4	7726.9	8717.3	10501.7	13778.0	19862.6	25947.2	25880.3	21885.2
47.5°	6431.4	6494.1	6966.3	7923.3	9620.0	12729.1	19139.6	27017.0	28099.3	23306.1
50°	5482.8	5537.1	6021.9	7008.1	8704.8	11613.3	18136.7	27856.9	30899.2	25458.2
52.5°	4358.7	4417.2	4889.4	5875.6	7618.2	10414.0	16816.1	28404.4	34133.7	28600.8
55°	3242.9	3284.7	3694.2	4580.1	6272.6	9047.4	15161.3	28559.0	37802.9	32896.8
57.5°	2352.8	2377.8	2641.1	3301.4	4755.7	7338.3	13151.2	28157.8	42169.9	38404.6
60°	1905.6	1914.0	1993.4	2285.9	3305.6	5407.6	10723.2	26778.8	46908.8	45504.7
62.5°	1730.1	1730.1	1751.0	1830.4	2235.7	3568.8	7785.4	23920.4	51990.4	54476.9
65°	1608.9	1608.9	1617.3	1654.9	1763.5	2273.4	4914.5	19265.0	56273.9	64987.0
67.5°	1500.2	1504.4	1500.2	1512.8	1575.5	1679.9	2850.0	13305.8	58580.6	75877.4
70°	1387.4	1395.8	1374.9	1374.9	1425.0	1429.2	1784.4	7296.5	56666.7	85004.2
72.5°	1253.7	1266.2	1232.8	1224.4	1262.0	1245.3	1341.4	3502.0	48651.4	87728.9
75°	1136.7	1153.4	1078.2	1057.3	1057.3	1044.7	1090.7	1797.0	31576.2	71564.7
77.5°	1032.2	1065.6	944.4	877.6	860.9	823.3	890.1	1099.1	13811.5	33598.8
80°	852.5	898.5	777.3	697.9	668.6	626.8	702.1	768.9	4107.9	7802.1
82.5°	635.2	656.1	551.6	497.3	472.2	443.0	526.5	534.9	1337.3	2762.3
85°	405.4	413.7	338.5	292.5	280.0	267.5	334.3	292.5	509.8	2031.0
87.5°	142.1	163.0	129.5	117.0	125.4	104.5	154.6	87.8	142.1	1433.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14693.2
14701.6
14797.7
14898.0
14935.6
14969.0
15052.6
15236.5
15516.5
15817.4
16185.1
16623.9
16949.9
17313.4
17919.4
18738.5
19971.2
20731.8
21174.8
22487.0
24430.2
27334.6
31312.9
36411.3
42993.1
51112.8
60732.8
71284.7
83796.5
90904.9
76546.0
32900.9
7472.0
3121.7
2950.3
1776.1
0.0

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