

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: P850304

Luminaire Tested: **GLAN-SB7D-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850304  
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-SB7D-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 69156 lumens  
Efficiency: N/A  
Efficacy: 134.9 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

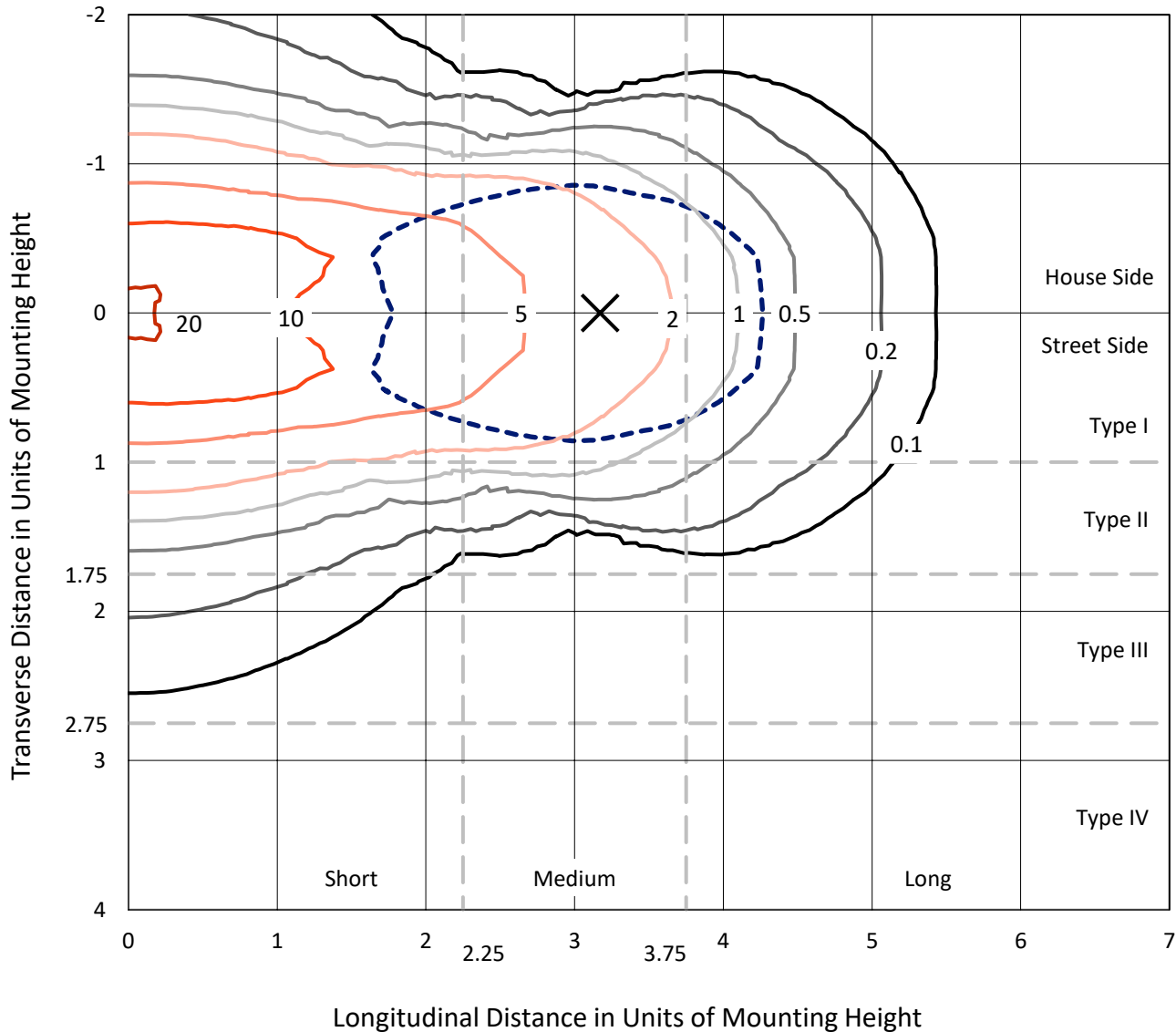
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

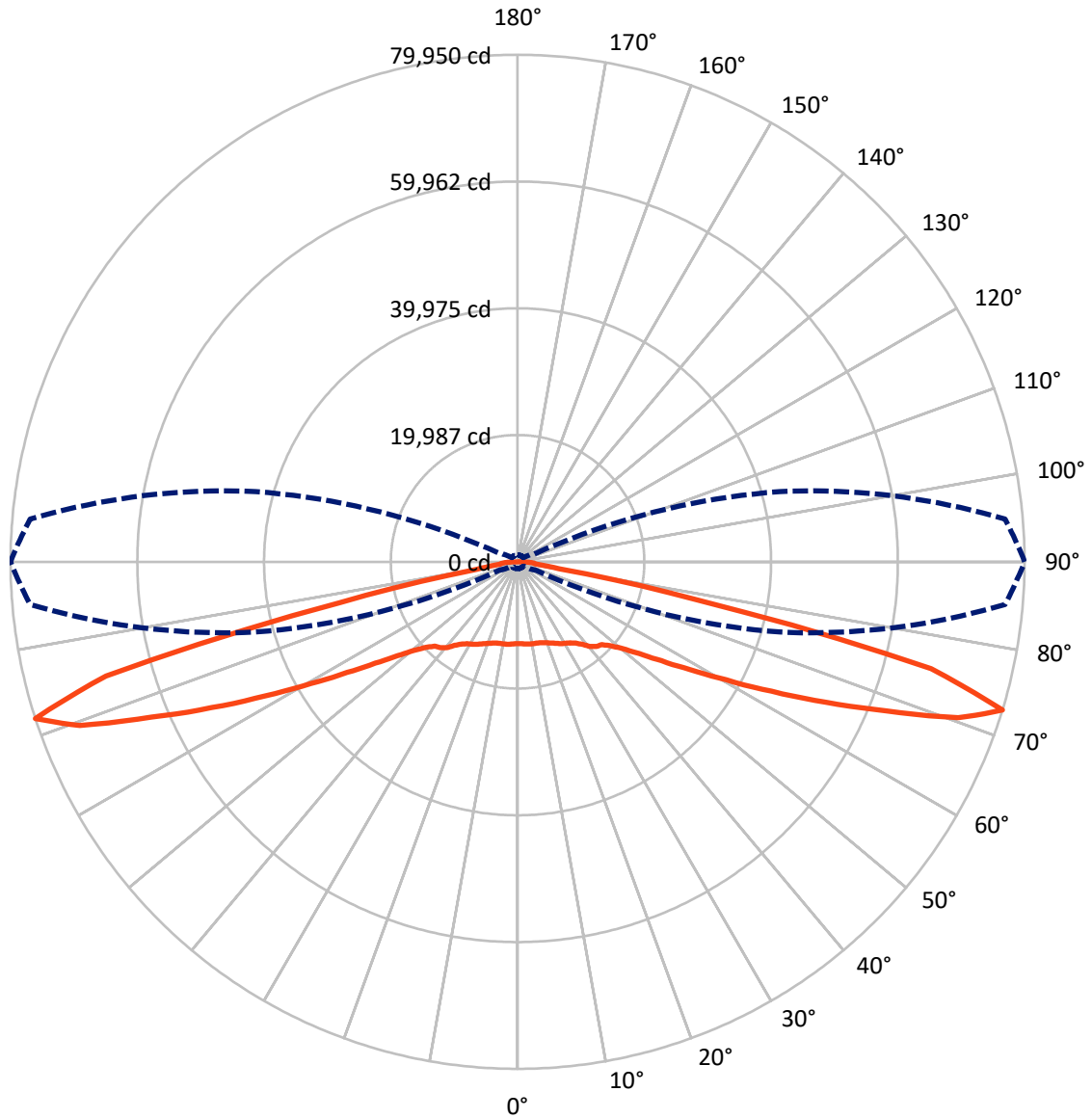
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 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
<b>House Side</b>	Lumens	34578.0	0.0	34578.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	34578.0	0.0	34578.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	69156.0	0.0	69156.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1253.0	1.8
10°-20°	3831.2	5.5
20°-30°	6388.1	9.2
30°-40°	8785.6	12.7
40°-50°	10729.7	15.5
50°-60°	12410.0	17.9
60°-70°	14796.9	21.4
70°-80°	10327.2	14.9
80°-90°	634.3	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°	69156.0	100.0
0°-180°	69156.0	100.0

**Coefficient of Utilization**

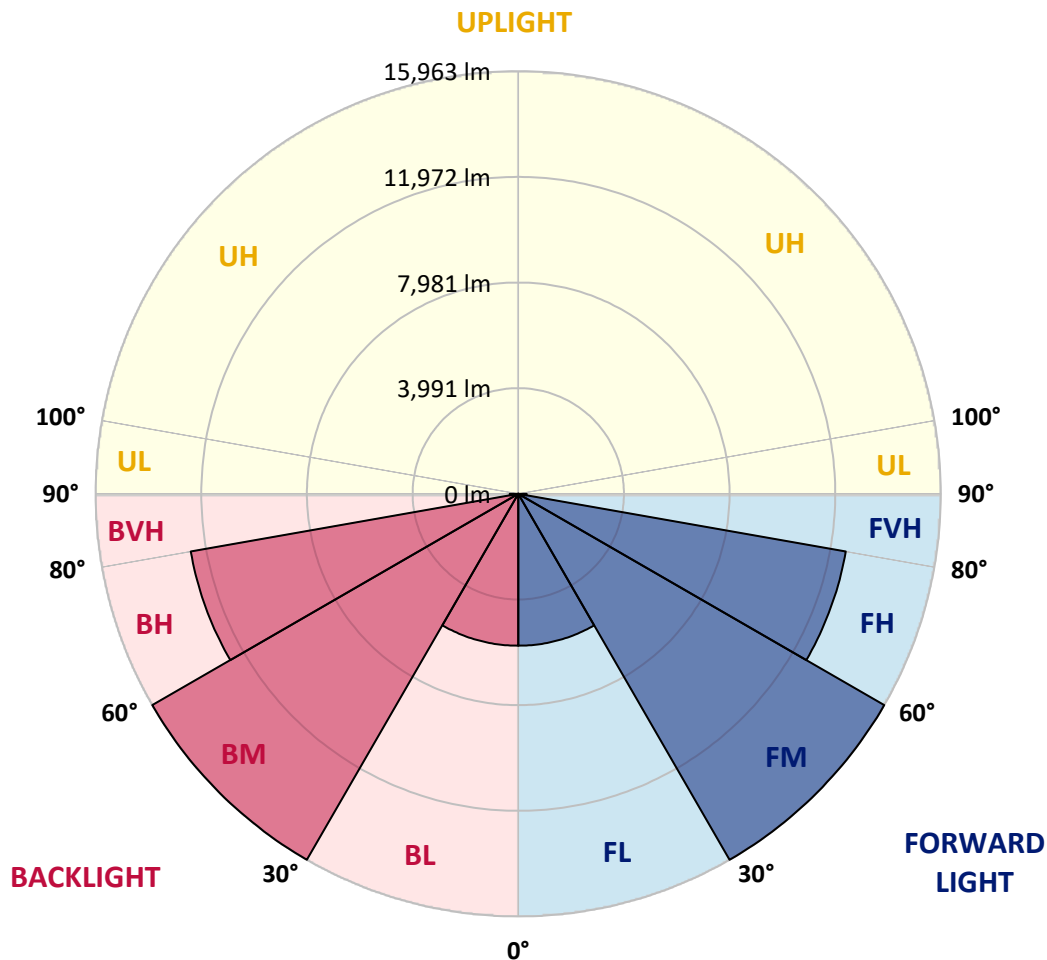


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5736.1	8.3			
FM (30°-60°)	15962.6	23.1			
FH (60°-80°)	12562.1	18.2			G5
FVH (80°-90°)	317.2	0.5			G3/500
BL (0°-30°)	5736.1	8.3	B5		
BM (30°-60°)	15962.6	23.1	B5		
BH (60°-80°)	12562.1	18.2	B5		G5
BVH (80°-90°)	317.2	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°	12922.5	12922.5	12922.5	12922.5	12922.5	12922.5	12922.5	12922.5	12922.5	12922.5
2.5°	12933.6	12948.3	12948.3	12937.2	12963.0	12940.9	12940.9	12929.9	12940.9	12929.9
5°	12999.7	13018.1	13025.4	13021.8	13054.8	13036.5	13036.5	13021.8	13025.4	13014.4
7.5°	13124.7	13150.4	13165.1	13183.5	13231.3	13209.2	13194.5	13150.4	13132.0	13102.6
10°	13165.1	13194.5	13242.3	13337.8	13448.1	13451.8	13407.7	13297.4	13212.9	13146.7
12.5°	13040.1	13080.6	13179.8	13374.6	13620.8	13720.1	13650.2	13466.5	13301.1	13183.5
15°	12882.1	12926.2	13076.9	13370.9	13734.8	13966.3	13959.0	13716.4	13451.8	13268.0
17.5°	12635.9	12680.0	12896.8	13308.4	13823.0	14205.2	14308.1	14058.2	13687.0	13440.8
20°	12191.1	12231.6	12532.9	13110.0	13852.4	14458.8	14727.1	14506.6	14043.5	13709.1
22.5°	11614.1	11676.6	12029.4	12768.2	13782.6	14723.4	15204.9	15054.2	14458.8	13995.7
25°	10996.6	11062.8	11474.4	12349.2	13602.5	14914.6	15770.9	15675.4	14929.3	14352.2
27.5°	10463.7	10533.6	10981.9	11933.9	13323.1	14988.1	16329.6	16377.4	15498.9	14745.5
30°	10044.7	10110.9	10588.7	11599.4	12963.0	14914.6	16818.4	17149.2	16079.7	15087.3
32.5°	9585.3	9669.8	10173.4	11191.4	12536.6	14738.2	17244.7	17983.5	16752.2	15454.8
35°	9004.6	9081.8	9611.0	10632.8	11978.0	14455.1	17601.2	18909.7	17715.2	16013.5
37.5°	8298.9	8372.4	8898.0	9934.5	11423.0	14058.2	17873.2	19953.5	18861.9	16818.4
40°	7589.6	7659.4	8151.9	9155.3	10757.7	13551.0	17968.8	20975.2	20177.7	17924.7
42.5°	6939.1	7001.5	7453.6	8387.1	10011.7	12904.2	17843.8	21864.7	21357.5	18696.5
45°	6340.0	6395.1	6795.7	7666.8	9236.2	12117.6	17468.9	22820.2	22761.4	19247.8
47.5°	5656.4	5711.5	6126.8	6968.5	8460.7	11195.1	16833.1	23761.1	24713.0	20497.4
50°	4822.1	4869.8	5296.2	6163.6	7655.8	10213.8	15951.0	24499.9	27175.5	22390.2
52.5°	3833.4	3884.8	4300.2	5167.5	6700.2	9159.0	14789.6	24981.4	30020.3	25154.1
55°	2852.1	2888.8	3249.0	4028.2	5516.7	7957.1	13334.2	25117.3	33247.2	28932.4
57.5°	2069.2	2091.3	2322.8	2903.5	4182.5	6453.9	11566.3	24764.5	37088.0	33776.5
60°	1676.0	1683.3	1753.1	2010.4	2907.2	4755.9	9430.9	23551.6	41255.8	40020.9
62.5°	1521.6	1521.6	1540.0	1609.8	1966.3	3138.7	6847.2	21037.7	45725.0	47911.9
65°	1415.0	1415.0	1422.4	1455.4	1551.0	1999.4	4322.2	16943.4	49492.3	57155.4
67.5°	1319.5	1323.1	1319.5	1330.5	1385.6	1477.5	2506.6	11702.3	51521.0	66733.3
70°	1220.2	1227.6	1209.2	1209.2	1253.3	1257.0	1569.4	6417.2	49837.7	74760.3
72.5°	1102.6	1113.6	1084.2	1076.9	1110.0	1095.3	1179.8	3079.9	42788.4	77156.6
75°	999.7	1014.4	948.2	929.9	929.9	918.8	959.3	1580.4	27770.9	62940.4
77.5°	907.8	937.2	830.6	771.8	757.1	724.0	782.8	966.6	12147.0	29549.8
80°	749.8	790.2	683.6	613.8	588.1	551.3	617.5	676.3	3612.9	6861.9
82.5°	558.7	577.0	485.1	437.4	415.3	389.6	463.1	470.4	1176.1	2429.4
85°	356.5	363.9	297.7	257.3	246.2	235.2	294.0	257.3	448.4	1786.2
87.5°	125.0	143.3	113.9	102.9	110.3	91.9	136.0	77.2	125.0	1260.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12922.5  
12929.9  
13014.4  
13102.6  
13135.7  
13165.1  
13238.6  
13400.3  
13646.6  
13911.2  
14234.6  
14620.5  
14907.2  
15227.0  
15759.9  
16480.3  
17564.5  
18233.4  
18623.0  
19777.1  
21486.1  
24040.5  
27539.4  
32023.3  
37812.0  
44953.2  
53413.9  
62694.1  
73698.1  
79949.9  
67321.4  
28936.0  
6571.5  
2745.5  
2594.8  
1562.0  
0.0

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