

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: P847584

Luminaire Tested: **GLAN-SB3D-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847584  
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-SB3D-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 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: 29176 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

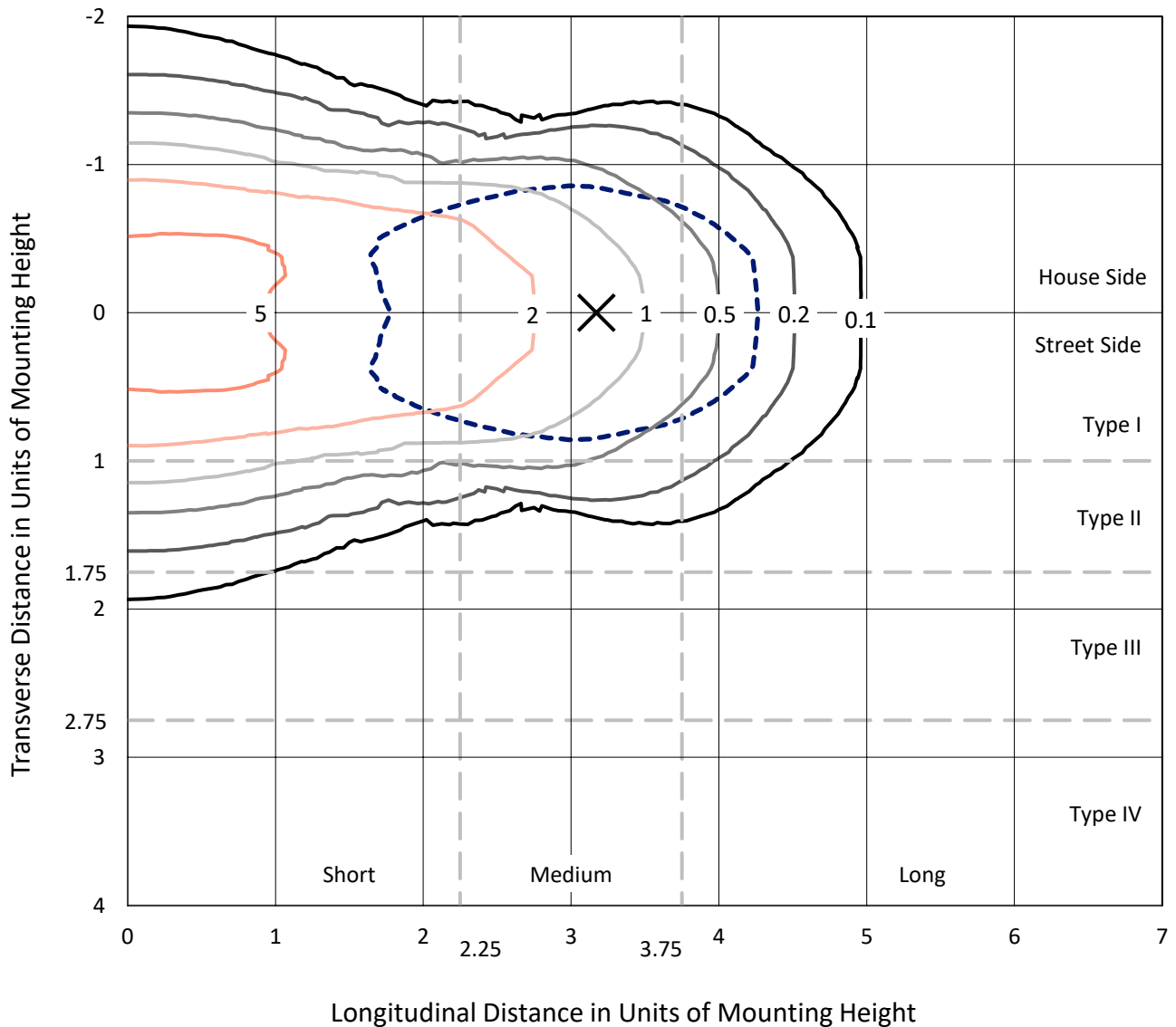
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

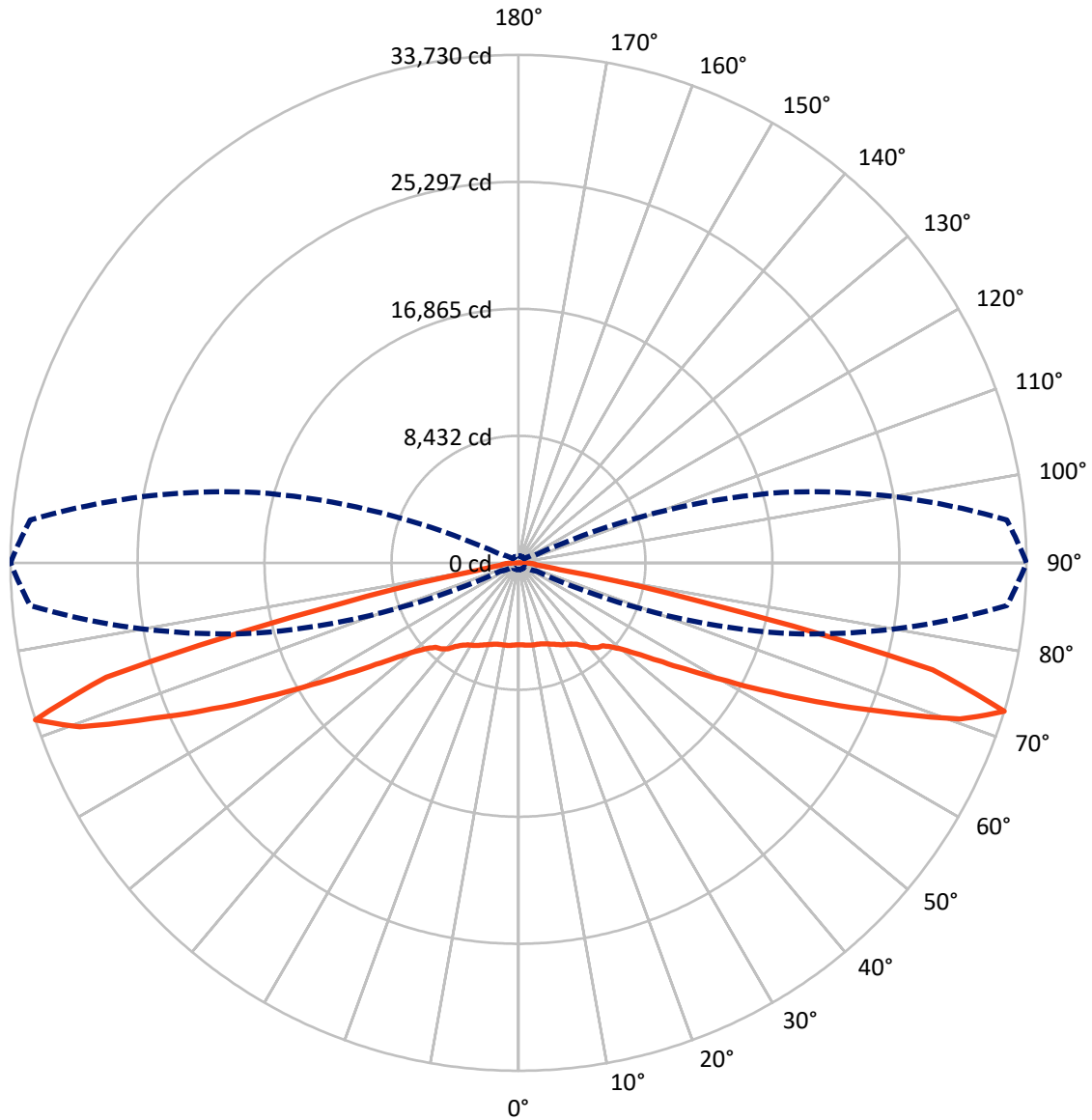
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	14588.0	0.0	14588.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14588.0	0.0	14588.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29176.0	0.0	29176.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.6	1.8
10°-20°	1616.3	5.5
20°-30°	2695.1	9.2
30°-40°	3706.5	12.7
40°-50°	4526.7	15.5
50°-60°	5235.6	17.9
60°-70°	6242.6	21.4
70°-80°	4356.9	14.9
80°-90°	267.6	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°	29176.0	100.0
0°-180°	29176.0	100.0

**Coefficient of Utilization**

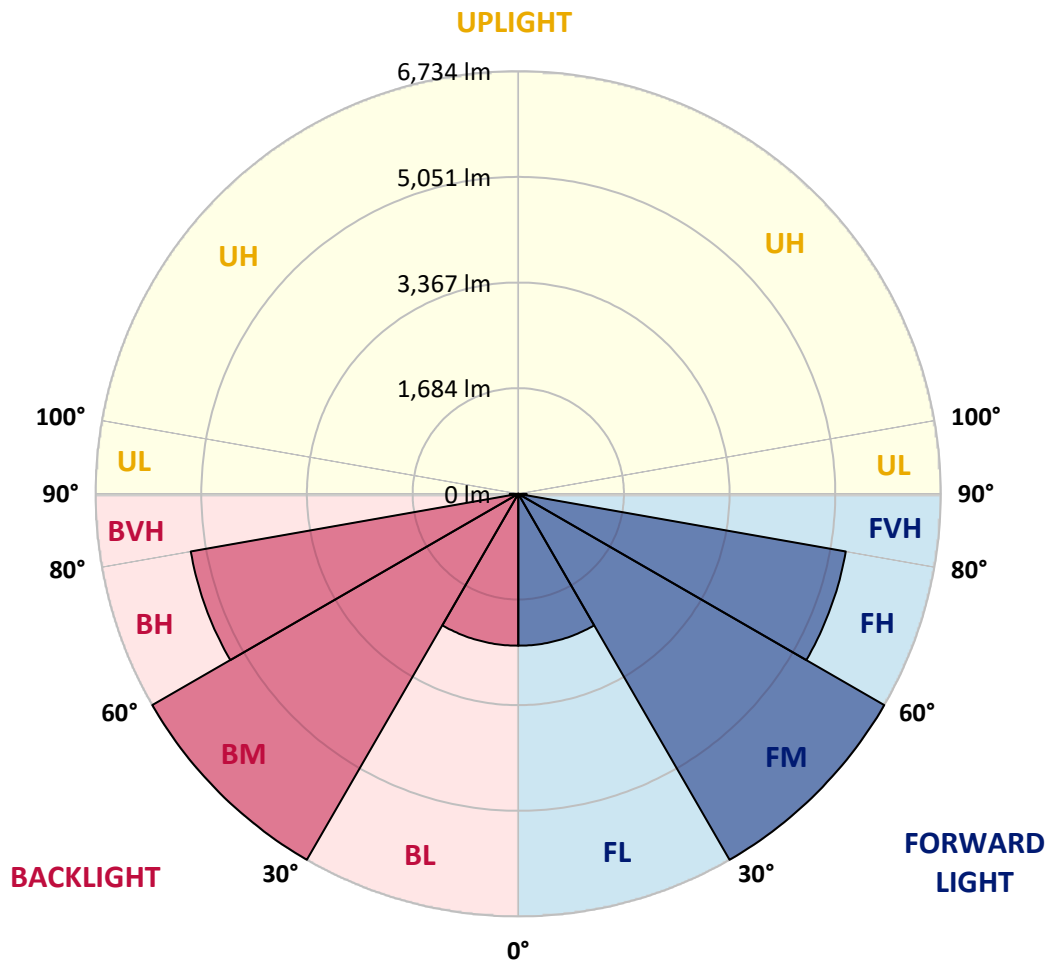


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2420.0	8.3			
FM (30°-60°)	6734.4	23.1			
FH (60°-80°)	5299.8	18.2			G3/7500
FVH (80°-90°)	133.8	0.5			G2/225
BL (0°-30°)	2420.0	8.3	B3/2500		
BM (30°-60°)	6734.4	23.1	B4/8500		
BH (60°-80°)	5299.8	18.2	B5		G5
BVH (80°-90°)	133.8	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°	5451.8	5451.8	5451.8	5451.8	5451.8	5451.8	5451.8	5451.8	5451.8	5451.8
2.5°	5456.5	5462.7	5462.7	5458.0	5468.9	5459.6	5459.6	5454.9	5459.6	5454.9
5°	5484.4	5492.2	5495.3	5493.7	5507.7	5499.9	5499.9	5493.7	5495.3	5490.6
7.5°	5537.1	5548.0	5554.2	5561.9	5582.1	5572.8	5566.6	5548.0	5540.2	5527.8
10°	5554.2	5566.6	5586.7	5627.1	5673.6	5675.1	5656.5	5610.0	5574.3	5546.4
12.5°	5501.5	5518.5	5560.4	5642.6	5746.5	5788.3	5758.9	5681.3	5611.6	5561.9
15°	5434.8	5453.4	5517.0	5641.0	5794.5	5892.2	5889.1	5786.8	5675.1	5597.6
17.5°	5330.9	5349.5	5441.0	5614.7	5831.7	5993.0	6036.4	5931.0	5774.4	5670.5
20°	5143.3	5160.3	5287.5	5530.9	5844.1	6100.0	6213.2	6120.1	5924.8	5783.7
22.5°	4899.8	4926.2	5075.1	5386.7	5814.7	6211.6	6414.8	6351.2	6100.0	5904.6
25°	4639.3	4667.2	4840.9	5210.0	5738.7	6292.3	6653.5	6613.2	6298.5	6055.0
27.5°	4414.5	4444.0	4633.1	5034.7	5620.9	6323.3	6889.2	6909.4	6538.8	6220.9
30°	4237.7	4265.6	4467.2	4893.6	5468.9	6292.3	7095.5	7235.0	6783.8	6365.1
32.5°	4043.9	4079.6	4292.0	4721.5	5289.0	6217.8	7275.3	7587.0	7067.5	6520.2
35°	3798.9	3831.5	4054.8	4485.8	5053.3	6098.4	7425.7	7977.7	7473.8	6755.9
37.5°	3501.2	3532.2	3754.0	4191.2	4819.2	5931.0	7540.5	8418.1	7957.6	7095.5
40°	3202.0	3231.4	3439.2	3862.5	4538.6	5717.0	7580.8	8849.2	8512.7	7562.2
42.5°	2927.5	2953.9	3144.6	3538.4	4223.8	5444.1	7528.1	9224.4	9010.4	7887.8
45°	2674.8	2698.0	2867.0	3234.5	3896.6	5112.3	7369.9	9627.6	9602.7	8120.4
47.5°	2386.3	2409.6	2584.8	2939.9	3569.4	4723.1	7101.7	10024.5	10426.1	8647.6
50°	2034.4	2054.5	2234.4	2600.3	3229.9	4309.1	6729.5	10336.2	11465.0	9446.1
52.5°	1617.3	1639.0	1814.2	2180.1	2826.7	3864.0	6239.5	10539.3	12665.1	10612.2
55°	1203.3	1218.8	1370.7	1699.4	2327.4	3357.0	5625.5	10596.7	14026.6	12206.2
57.5°	873.0	882.3	980.0	1225.0	1764.6	2722.8	4879.7	10447.8	15646.9	14249.8
60°	707.1	710.2	739.6	848.2	1226.5	2006.5	3978.8	9936.1	17405.3	16884.3
62.5°	641.9	641.9	649.7	679.2	829.6	1324.2	2888.7	8875.5	19290.8	20213.4
65°	597.0	597.0	600.1	614.0	654.3	843.5	1823.5	7148.2	20880.1	24113.1
67.5°	556.7	558.2	556.7	561.3	584.6	623.3	1057.5	4937.1	21736.0	28153.9
70°	514.8	517.9	510.1	510.1	528.7	530.3	662.1	2707.3	21025.9	31540.4
72.5°	465.2	469.8	457.4	454.3	468.3	462.1	497.7	1299.4	18051.9	32551.4
75°	421.8	428.0	400.0	392.3	392.3	387.6	404.7	666.7	11716.2	26553.7
77.5°	383.0	395.4	350.4	325.6	319.4	305.5	330.3	407.8	5124.7	12466.7
80°	316.3	333.4	288.4	258.9	248.1	232.6	260.5	285.3	1524.2	2894.9
82.5°	235.7	243.4	204.7	184.5	175.2	164.4	195.4	198.5	496.2	1024.9
85°	150.4	153.5	125.6	108.5	103.9	99.2	124.0	108.5	189.2	753.6
87.5°	52.7	60.5	48.1	43.4	46.5	38.8	57.4	32.6	52.7	531.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5451.8  
5454.9  
5490.6  
5527.8  
5541.8  
5554.2  
5585.2  
5653.4  
5757.3  
5868.9  
6005.4  
6168.2  
6289.2  
6424.1  
6648.9  
6952.8  
7410.2  
7692.4  
7856.8  
8343.7  
9064.7  
10142.4  
11618.5  
13510.2  
15952.4  
18965.2  
22534.6  
26449.8  
31092.3  
33729.8  
28402.0  
12207.7  
2772.4  
1158.3  
1094.7  
659.0  
0.0

OF REPORT)