

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: P848264

Luminaire Tested: **GLAN-SB4D-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848264  
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-SB4D-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 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: 38973 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

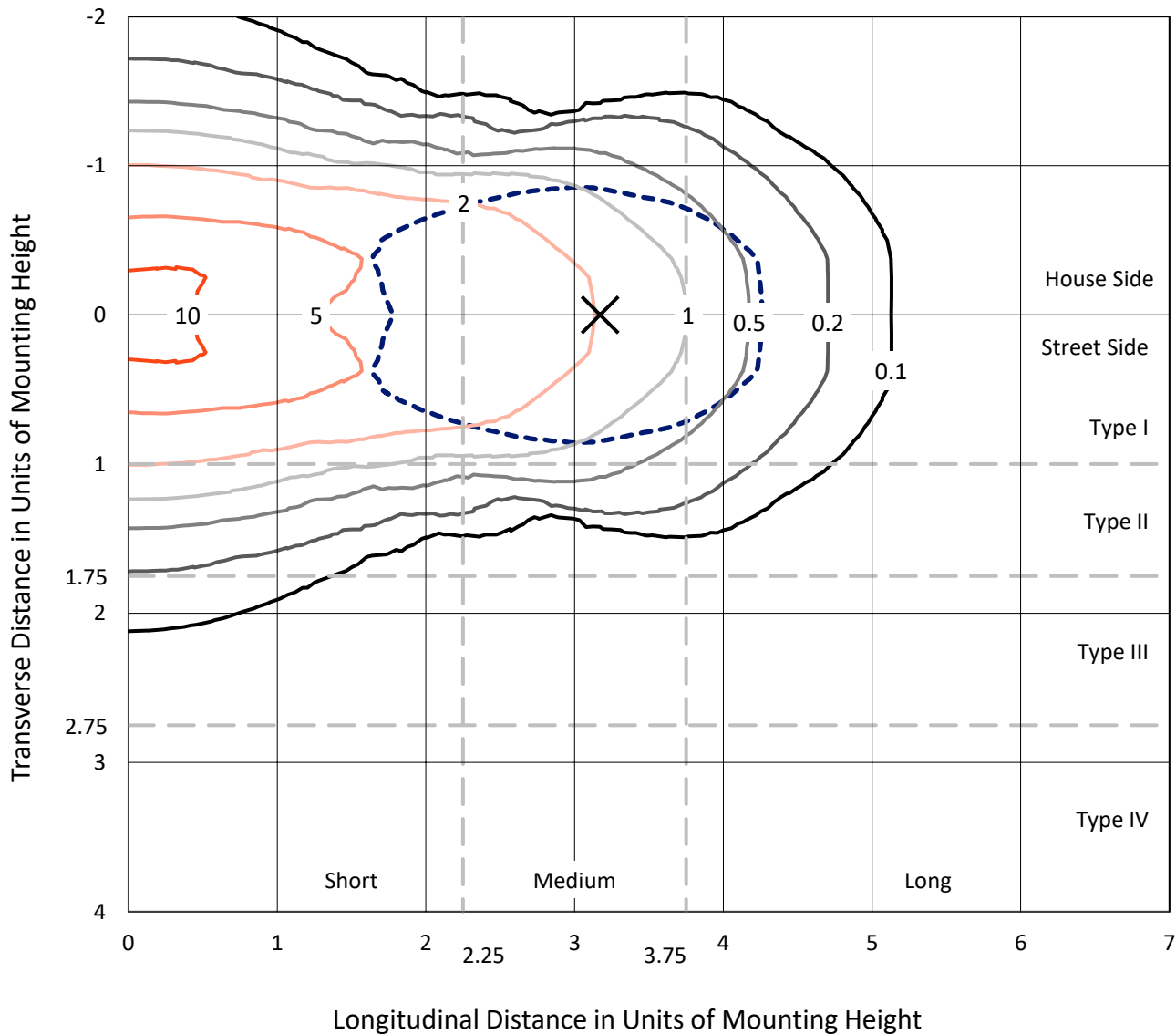
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

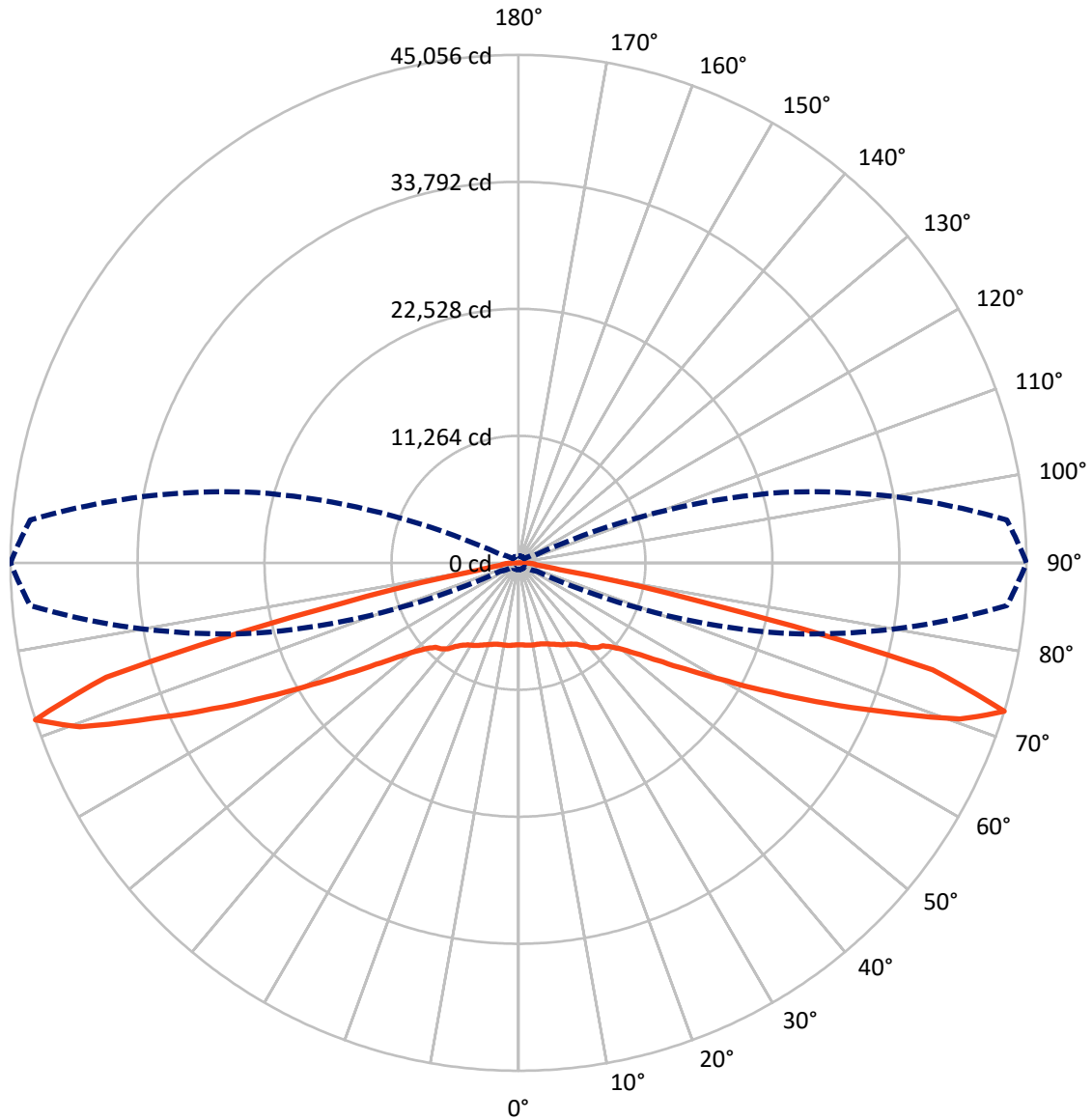
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	19486.5	0.0	19486.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19486.5	0.0	19486.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38973.0	0.0	38973.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	706.1	1.8
10°-20°	2159.1	5.5
20°-30°	3600.0	9.2
30°-40°	4951.2	12.7
40°-50°	6046.7	15.5
50°-60°	6993.7	17.9
60°-70°	8338.8	21.4
70°-80°	5819.9	14.9
80°-90°	357.5	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°	38973.0	100.0
0°-180°	38973.0	100.0

**Coefficient of Utilization**

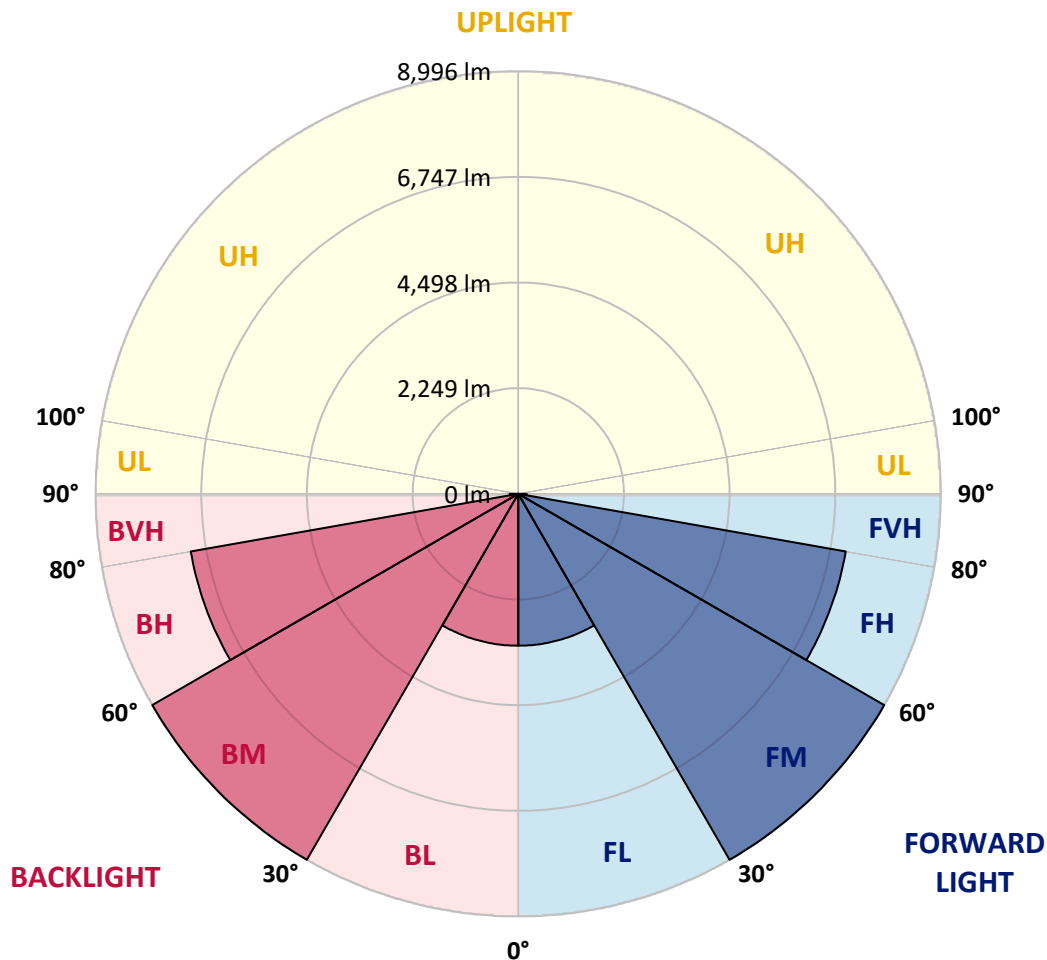


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3232.6	8.3			
FM (30°-60°)	8995.8	23.1			
FH (60°-80°)	7079.4	18.2			G3/7500
FVH (80°-90°)	178.7	0.5			G2/225
BL (0°-30°)	3232.6	8.3	B4/5000		
BM (30°-60°)	8995.8	23.1	B5		
BH (60°-80°)	7079.4	18.2	B5		G5
BVH (80°-90°)	178.7	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°	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5	7282.5
2.5°	7288.7	7297.0	7297.0	7290.8	7305.3	7292.9	7292.9	7286.7	7292.9	7286.7
5°	7326.0	7336.4	7340.5	7338.4	7357.1	7346.7	7346.7	7338.4	7340.5	7334.3
7.5°	7396.4	7410.9	7419.2	7429.6	7456.5	7444.1	7435.8	7410.9	7400.6	7384.0
10°	7419.2	7435.8	7462.7	7516.6	7578.7	7580.8	7555.9	7493.8	7446.1	7408.9
12.5°	7348.8	7371.6	7427.5	7537.3	7676.1	7732.0	7692.6	7589.1	7495.9	7429.6
15°	7259.7	7284.6	7369.5	7535.2	7740.3	7870.8	7866.6	7729.9	7580.8	7477.2
17.5°	7121.0	7145.8	7268.0	7500.0	7790.0	8005.4	8063.4	7922.5	7713.3	7574.6
20°	6870.3	6893.1	7063.0	7388.2	7806.5	8148.3	8299.5	8175.2	7914.2	7725.8
22.5°	6545.2	6580.4	6779.2	7195.5	7767.2	8297.4	8568.8	8483.8	8148.3	7887.3
25°	6197.2	6234.5	6466.4	6959.4	7665.7	8405.1	8887.7	8833.9	8413.4	8088.2
27.5°	5896.8	5936.2	6188.9	6725.4	7508.3	8446.6	9202.6	9229.5	8734.5	8309.9
30°	5660.7	5698.0	5967.3	6536.9	7305.3	8405.1	9478.0	9664.5	9061.7	8502.5
32.5°	5401.8	5449.5	5733.2	6307.0	7065.0	8305.7	9718.3	10134.6	9440.8	8709.6
35°	5074.6	5118.1	5416.3	5992.1	6750.2	8146.2	9919.2	10656.6	9983.4	9024.4
37.5°	4676.9	4718.3	5014.5	5598.6	6437.4	7922.5	10072.5	11244.8	10629.7	9478.0
40°	4277.1	4316.5	4594.0	5159.5	6062.5	7636.7	10126.3	11820.6	11371.2	10101.5
42.5°	3910.5	3945.7	4200.5	4726.6	5642.1	7272.2	10055.9	12321.9	12036.0	10536.5
45°	3572.9	3604.0	3829.7	4320.6	5205.1	6828.9	9844.7	12860.4	12827.3	10847.1
47.5°	3187.7	3218.7	3452.8	3927.1	4768.0	6309.0	9486.3	13390.6	13927.1	11551.4
50°	2717.5	2744.4	2984.7	3473.5	4314.4	5756.0	8989.2	13807.0	15314.8	12618.1
52.5°	2160.3	2189.3	2423.4	2912.2	3775.9	5161.6	8334.7	14078.3	16918.0	14175.6
55°	1607.3	1628.0	1831.0	2270.1	3108.9	4484.3	7514.5	14154.9	18736.5	16304.9
57.5°	1166.1	1178.5	1309.0	1636.3	2357.1	3637.1	6518.2	13956.1	20901.0	19034.8
60°	944.5	948.6	988.0	1133.0	1638.4	2680.2	5314.8	13272.6	23249.8	22553.8
62.5°	857.5	857.5	867.9	907.2	1108.1	1768.8	3858.7	11855.8	25768.4	27000.8
65°	797.4	797.4	801.6	820.2	874.1	1126.8	2435.8	9548.5	27891.5	32210.0
67.5°	743.6	745.7	743.6	749.8	780.9	832.6	1412.6	6594.9	29034.8	37607.7
70°	687.7	691.8	681.4	681.4	706.3	708.4	884.4	3616.4	28086.2	42131.3
72.5°	621.4	627.6	611.0	606.9	625.5	617.2	664.9	1735.7	24113.5	43481.8
75°	563.4	571.7	534.4	524.0	524.0	517.8	540.6	890.6	15650.4	35470.2
77.5°	511.6	528.2	468.1	435.0	426.7	408.0	441.2	544.7	6845.5	16652.9
80°	422.5	445.3	385.3	345.9	331.4	310.7	348.0	381.1	2036.0	3867.0
82.5°	314.8	325.2	273.4	246.5	234.1	219.6	261.0	265.1	662.8	1369.1
85°	200.9	205.1	167.8	145.0	138.8	132.6	165.7	145.0	252.7	1006.6
87.5°	70.4	80.8	64.2	58.0	62.1	51.8	76.6	43.5	70.4	710.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7282.5  
7286.7  
7334.3  
7384.0  
7402.6  
7419.2  
7460.6  
7551.8  
7690.6  
7839.7  
8022.0  
8239.4  
8401.0  
8581.2  
8881.5  
9287.5  
9898.5  
10275.5  
10495.0  
11145.4  
12108.5  
13548.0  
15519.9  
18046.8  
21309.0  
25333.5  
30101.5  
35331.4  
41532.7  
45055.9  
37939.1  
16307.0  
3703.4  
1547.2  
1462.3  
880.3  
0.0

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