

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: P849624

Luminaire Tested: **GLAN-SB6D-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849624  
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-SB6D-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 58969 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

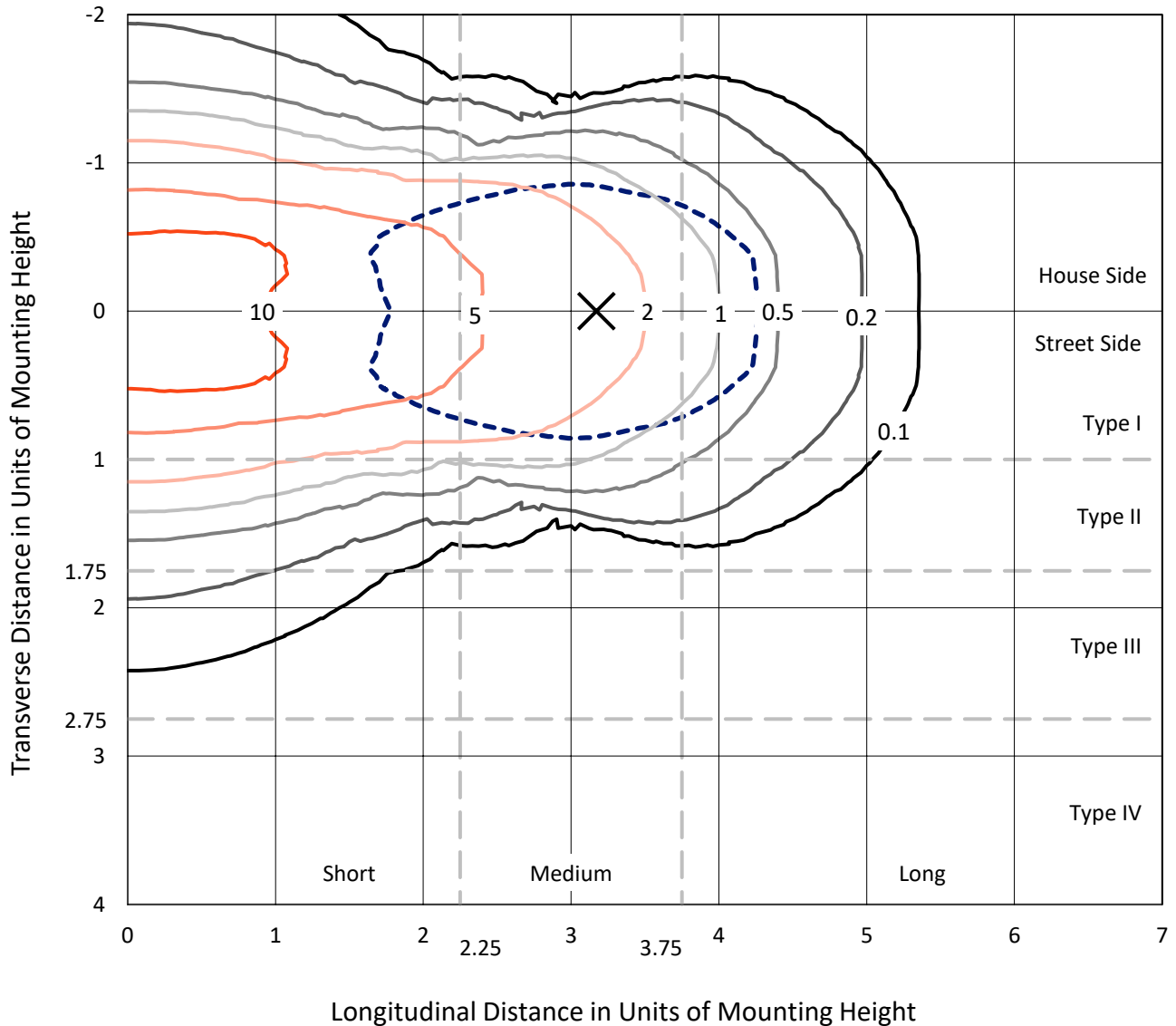
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

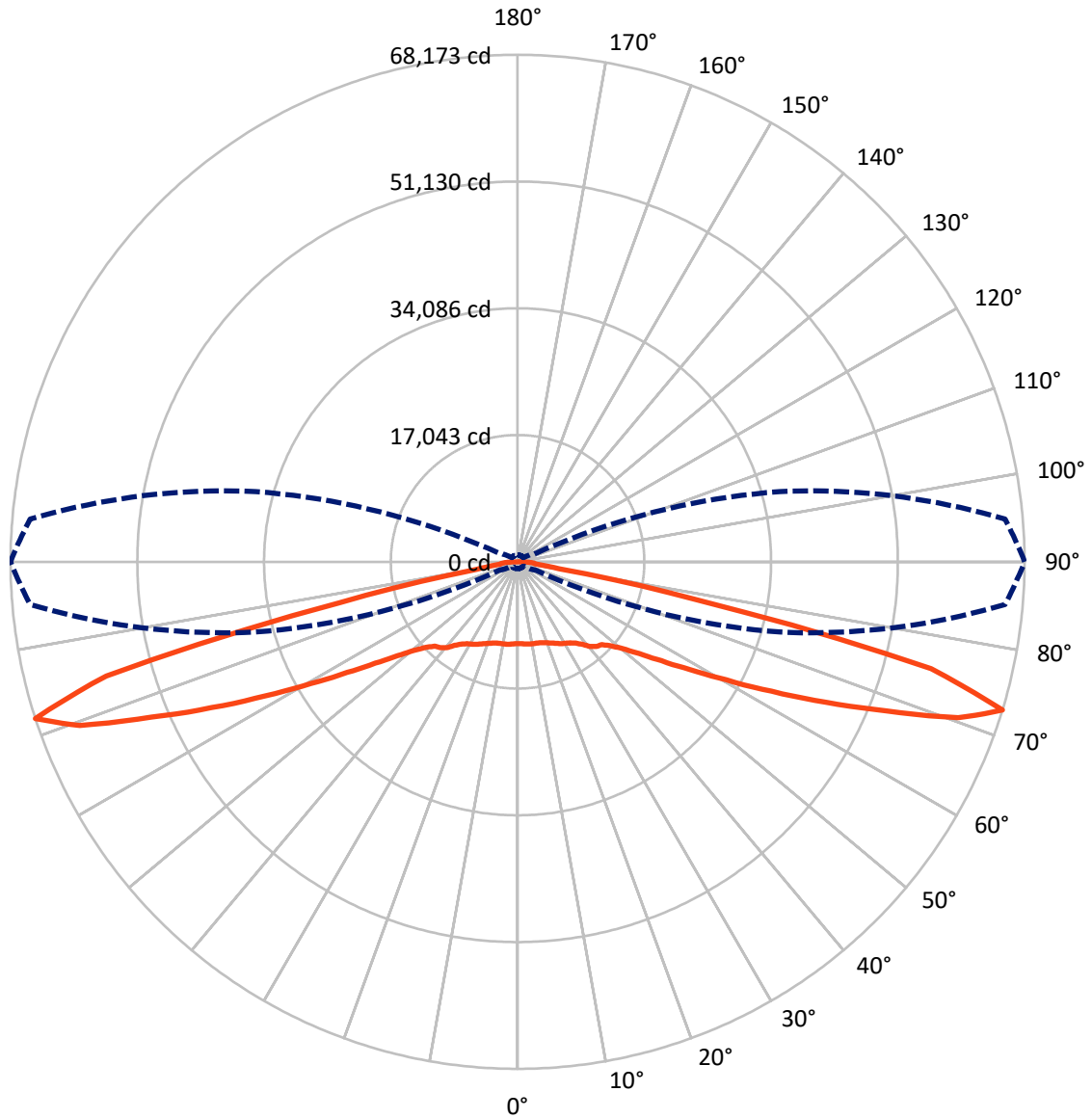
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P849624  
CATALOG NUMBER: GLAN-SB6D-730-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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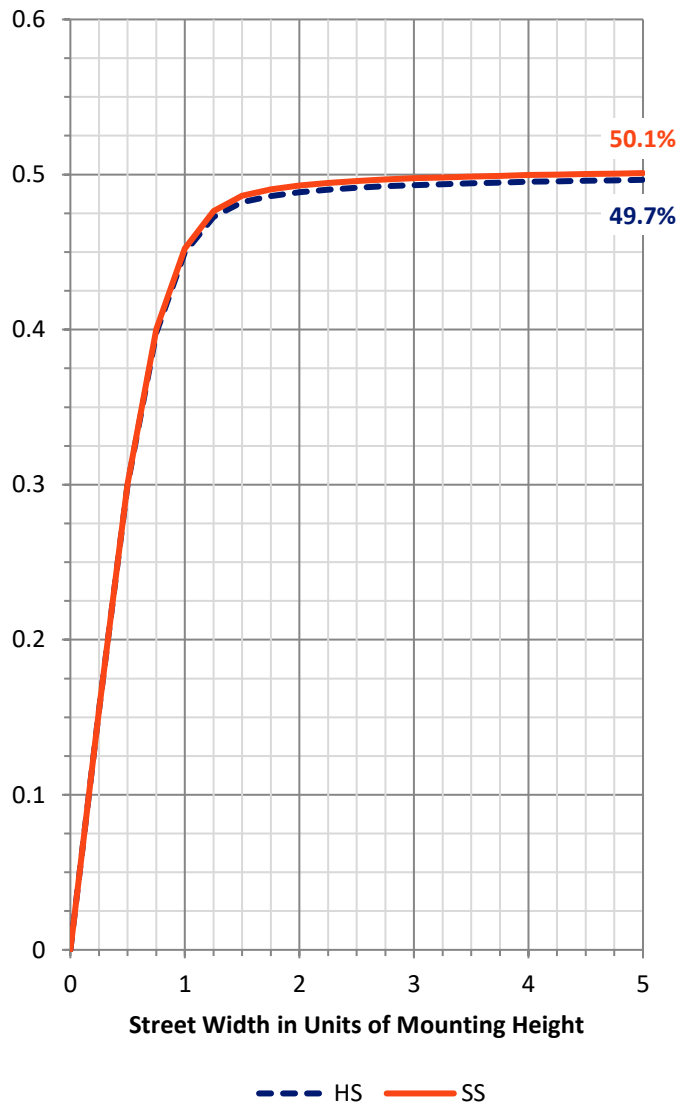
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29484.5	0.0	29484.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29484.5	0.0	29484.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	58969.0	0.0	58969.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1068.4	1.8
10°-20°	3266.8	5.5
20°-30°	5447.1	9.2
30°-40°	7491.5	12.7
40°-50°	9149.1	15.5
50°-60°	10581.9	17.9
60°-70°	12617.2	21.4
70°-80°	8806.0	14.9
80°-90°	540.9	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°	58969.0	100.0
0°-180°	58969.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P849624

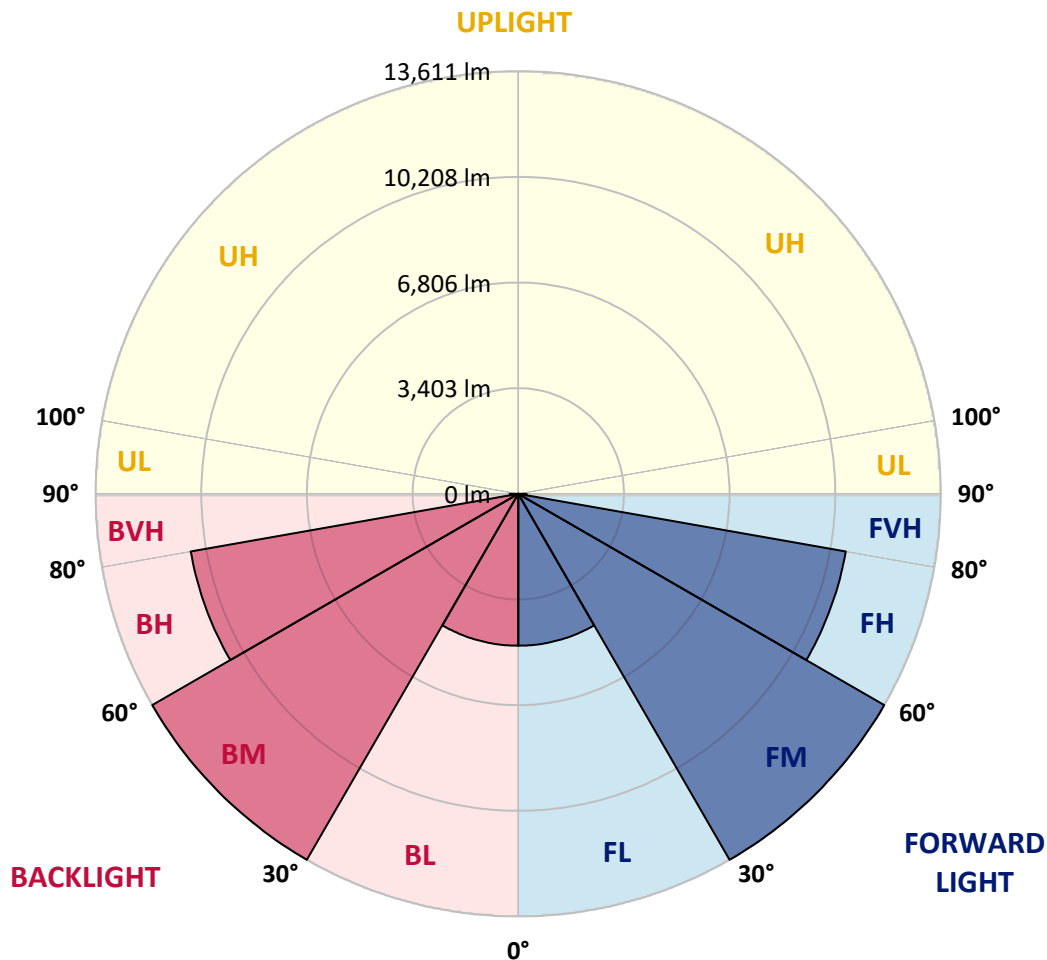
CATALOG NUMBER: GLAN-SB6D-730-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4891.2	8.3			
FM (30°-60°)	13611.3	23.1			
FH (60°-80°)	10711.6	18.2			G4/12000
FVH (80°-90°)	270.4	0.5			G3/500
BL (0°-30°)	4891.2	8.3	B4/5000		
BM (30°-60°)	13611.3	23.1	B5		
BH (60°-80°)	10711.6	18.2	B5		G5
BVH (80°-90°)	270.4	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°	11019.0	11019.0	11019.0	11019.0	11019.0	11019.0	11019.0	11019.0	11019.0	11019.0
2.5°	11028.4	11040.9	11040.9	11031.5	11053.5	11034.6	11034.6	11025.2	11034.6	11025.2
5°	11084.8	11100.5	11106.7	11103.6	11131.8	11116.1	11116.1	11103.6	11106.7	11097.3
7.5°	11191.3	11213.3	11225.8	11241.5	11282.2	11263.4	11250.9	11213.3	11197.6	11172.5
10°	11225.8	11250.9	11291.6	11373.1	11467.1	11470.3	11432.7	11338.6	11266.6	11210.2
12.5°	11119.3	11153.7	11238.4	11404.5	11614.4	11699.0	11639.5	11482.8	11341.8	11241.5
15°	10984.5	11022.1	11150.6	11401.3	11711.6	11909.0	11902.8	11695.9	11470.3	11313.6
17.5°	10774.5	10812.1	10997.0	11348.0	11786.8	12112.7	12200.5	11987.4	11670.8	11460.9
20°	10395.3	10429.8	10686.8	11178.8	11811.9	12329.0	12557.8	12369.7	11974.8	11689.6
22.5°	9903.3	9956.6	10257.4	10887.4	11752.3	12554.6	12965.2	12836.7	12329.0	11934.1
25°	9376.8	9433.2	9784.2	10530.1	11598.8	12717.6	13447.8	13366.3	12730.1	12238.1
27.5°	8922.4	8981.9	9364.3	10175.9	11360.6	12780.3	13924.2	13964.9	13215.9	12573.4
30°	8565.1	8621.5	9028.9	9890.8	11053.5	12717.6	14341.0	14623.0	13711.0	12864.9
32.5°	8173.4	8245.4	8674.8	9542.9	10689.9	12567.2	14704.5	15334.4	14284.6	13178.3
35°	7678.2	7744.0	8195.3	9066.5	10213.6	12325.8	15008.5	16124.2	15105.7	13654.6
37.5°	7076.5	7139.1	7587.3	8471.1	9740.3	11987.4	15240.4	17014.2	16083.4	14341.0
40°	6471.6	6531.2	6951.1	7806.7	9173.1	11554.9	15321.9	17885.5	17205.4	15284.3
42.5°	5916.9	5970.2	6355.7	7151.7	8536.9	11003.3	15215.3	18643.9	18211.4	15942.4
45°	5406.1	5453.1	5794.7	6537.4	7875.6	10332.6	14895.7	19458.7	19408.6	16412.5
47.5°	4823.2	4870.2	5224.3	5942.0	7214.4	9546.0	14353.5	20261.0	21072.7	17478.1
50°	4111.7	4152.5	4516.0	5255.6	6528.0	8709.3	13601.4	20890.9	23172.5	19092.0
52.5°	3268.7	3312.6	3666.7	4406.3	5713.2	7809.8	12611.0	21301.5	25598.1	21448.8
55°	2431.9	2463.3	2770.4	3434.8	4704.1	6785.0	11370.0	21417.4	28349.7	24670.5
57.5°	1764.4	1783.2	1980.7	2475.8	3566.4	5503.2	9862.6	21116.6	31624.7	28801.0
60°	1429.1	1435.4	1494.9	1714.3	2479.0	4055.3	8041.7	20082.4	35178.6	34125.6
62.5°	1297.5	1297.5	1313.1	1372.7	1676.7	2676.4	5838.6	17938.7	38989.5	40854.2
65°	1206.6	1206.6	1212.8	1241.0	1322.5	1704.9	3685.5	14447.5	42201.8	48736.1
67.5°	1125.1	1128.2	1125.1	1134.5	1181.5	1259.8	2137.4	9978.5	43931.8	56903.2
70°	1040.5	1046.7	1031.1	1031.1	1068.7	1071.8	1338.2	5471.9	42496.4	63747.7
72.5°	940.2	949.6	924.5	918.2	946.5	933.9	1006.0	2626.3	36485.5	65791.1
75°	852.4	865.0	808.6	792.9	792.9	783.5	818.0	1347.6	23680.2	53669.0
77.5°	774.1	799.2	708.3	658.1	645.6	617.4	667.5	824.2	10357.7	25197.0
80°	639.3	673.8	582.9	523.4	501.4	470.1	526.5	576.6	3080.7	5851.1
82.5°	476.4	492.0	413.7	372.9	354.1	332.2	394.9	401.1	1002.9	2071.5
85°	304.0	310.3	253.9	219.4	210.0	200.6	250.7	219.4	382.3	1523.1
87.5°	106.6	122.2	97.2	87.8	94.0	78.3	116.0	65.8	106.6	1074.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11019.0  
11025.2  
11097.3  
11172.5  
11200.7  
11225.8  
11288.5  
11426.4  
11636.4  
11862.0  
12137.8  
12466.9  
12711.3  
12984.0  
13438.4  
14052.6  
14977.2  
15547.5  
15879.7  
16863.8  
18321.1  
20499.2  
23482.7  
27306.1  
32242.1  
38331.4  
45545.7  
53459.0  
62842.0  
68172.9  
57404.6  
24673.6  
5603.5  
2341.1  
2212.6  
1331.9  
0.0

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