

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: P849621

Luminaire Tested: **GLAN-SB6D-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849621  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 60294 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

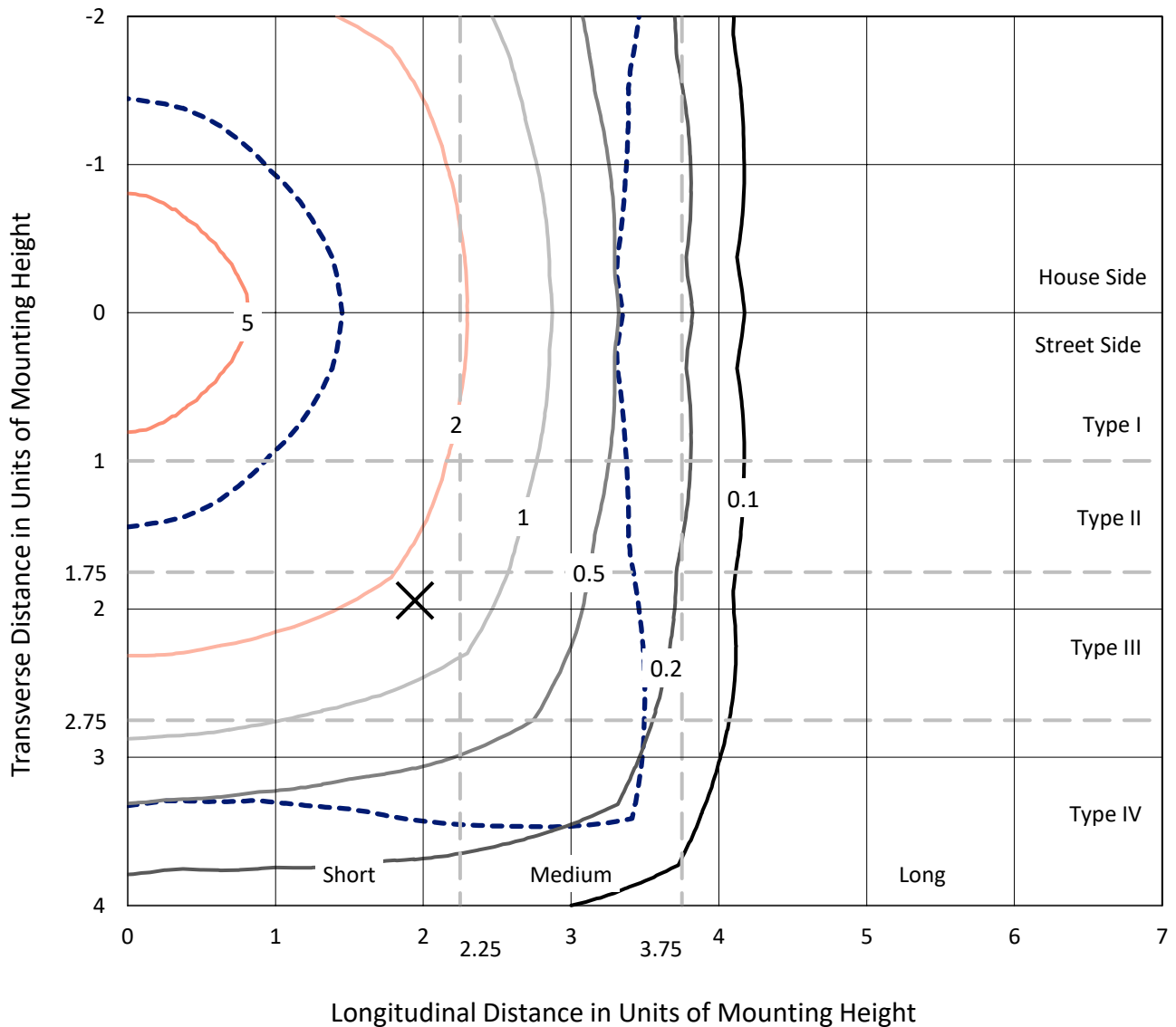
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

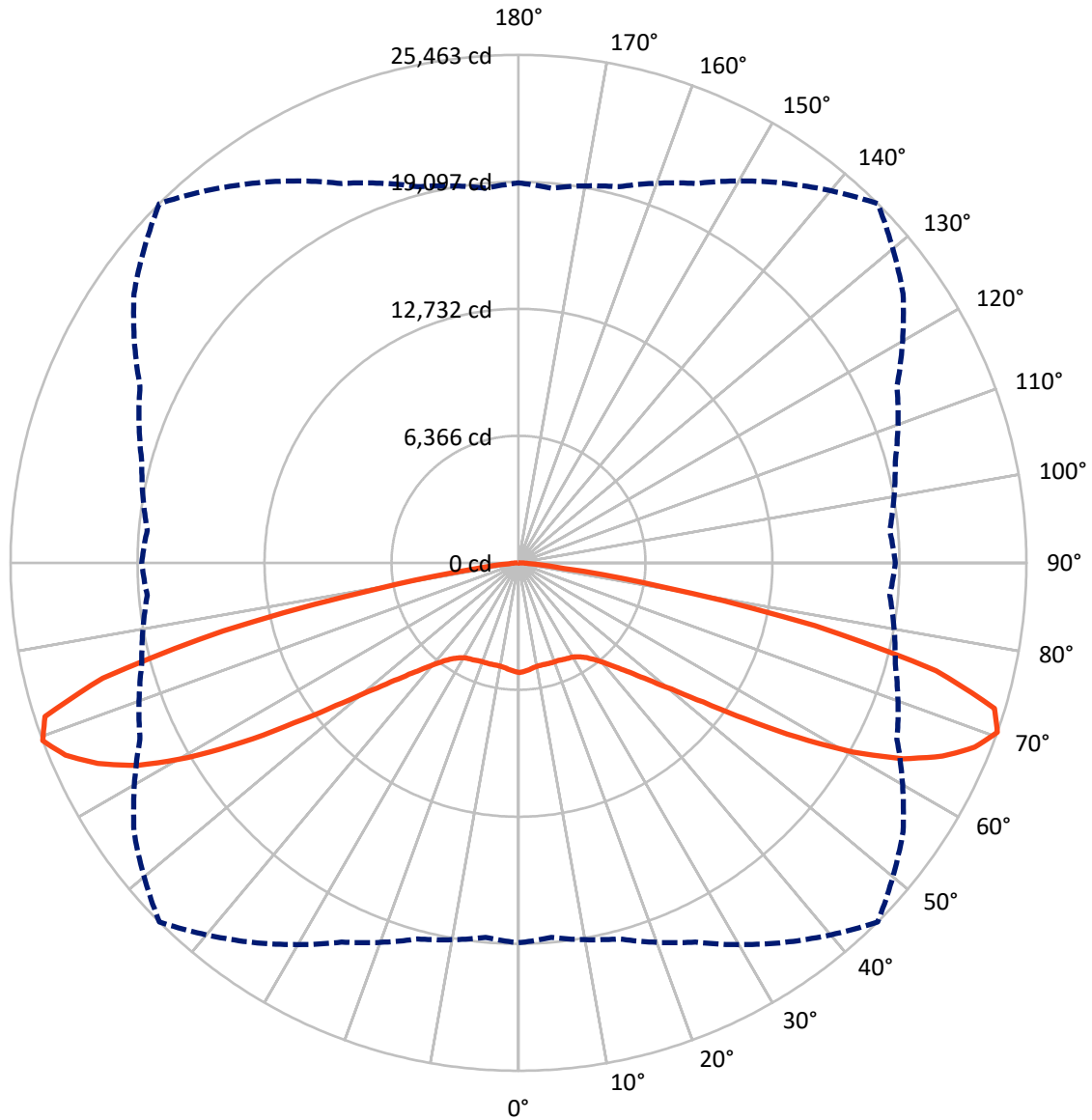
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	30147.0	0.0	30147.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30147.0	0.0	30147.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	60294.0	0.0	60294.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.6	0.8
10°-20°	1502.3	2.5
20°-30°	2500.0	4.1
30°-40°	3780.8	6.3
40°-50°	6282.7	10.4
50°-60°	11855.3	19.7
60°-70°	20018.2	33.2
70°-80°	13154.0	21.8
80°-90°	689.1	1.1
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°	60294.0	100.0
0°-180°	60294.0	100.0

**Coefficient of Utilization**



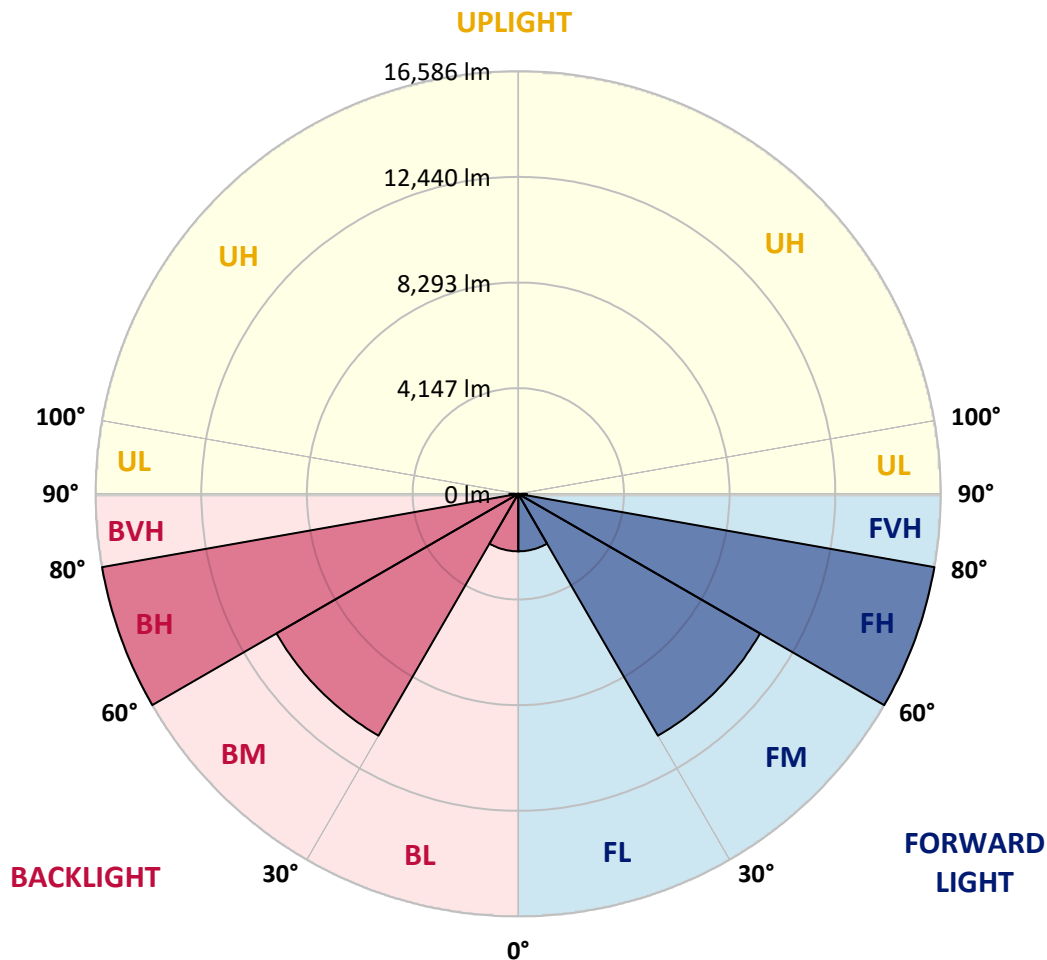
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2257.0	3.7			
FM (30°-60°)	10959.4	18.2			
FH (60°-80°)	16586.1	27.5			G5
FVH (80°-90°)	344.6	0.6			G3/500
BL (0°-30°)	2257.0	3.7	B3/2500		
BM (30°-60°)	10959.4	18.2	B5		
BH (60°-80°)	16586.1	27.5	B5		G5
BVH (80°-90°)	344.6	0.6			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5500.0	5500.0	5500.0	5500.0	5500.0	5500.0	5500.0	5500.0	5500.0	5500.0
2.5°	5465.6	5481.2	5475.0	5462.4	5462.4	5453.0	5462.4	5468.7	5478.1	5484.4
5°	5393.5	5406.0	5402.9	5393.5	5396.6	5387.2	5393.5	5402.9	5409.1	5412.3
7.5°	5330.8	5343.3	5337.1	5321.4	5321.4	5312.0	5315.1	5324.5	5333.9	5337.1
10°	5315.1	5327.7	5308.9	5283.8	5274.4	5261.8	5265.0	5274.4	5293.2	5302.6
12.5°	5321.4	5330.8	5312.0	5274.4	5265.0	5252.4	5252.4	5261.8	5286.9	5299.5
15°	5340.2	5349.6	5321.4	5280.7	5271.3	5261.8	5258.7	5271.3	5299.5	5321.4
17.5°	5374.7	5384.1	5340.2	5283.8	5271.3	5274.4	5271.3	5280.7	5324.5	5365.3
20°	5406.0	5412.3	5352.7	5283.8	5271.3	5274.4	5271.3	5290.1	5346.5	5402.9
22.5°	5415.4	5421.7	5365.3	5305.7	5296.3	5299.5	5296.3	5315.1	5368.4	5424.8
25°	5418.5	5427.9	5384.1	5337.1	5352.7	5359.0	5352.7	5355.9	5396.6	5446.8
27.5°	5465.6	5478.1	5437.3	5396.6	5406.0	5402.9	5412.3	5421.7	5453.0	5503.2
30°	5562.7	5572.1	5537.6	5496.9	5490.6	5468.7	5496.9	5528.2	5562.7	5606.6
32.5°	5722.5	5741.3	5697.5	5653.6	5625.4	5612.8	5634.8	5688.1	5735.1	5782.1
35°	5988.9	6001.5	5960.7	5879.2	5829.1	5829.1	5847.9	5916.8	5992.1	6051.6
37.5°	6365.0	6380.7	6308.6	6211.4	6136.2	6136.2	6161.3	6233.4	6346.2	6430.8
40°	6822.5	6844.5	6753.6	6653.3	6581.2	6568.7	6600.0	6681.5	6788.1	6894.6
42.5°	7374.1	7399.2	7280.1	7192.3	7135.9	7135.9	7151.6	7226.8	7324.0	7455.6
45°	8079.2	8123.1	7960.2	7872.4	7819.1	7831.7	7841.1	7906.9	7994.6	8145.1
47.5°	8919.1	8963.0	8790.6	8699.8	8690.4	8749.9	8712.3	8759.3	8806.3	8978.7
50°	9871.8	9947.1	9828.0	9821.7	9840.5	9950.2	9862.4	9887.5	9834.2	9943.9
52.5°	11037.7	11147.3	11125.4	11163.0	11373.0	11598.6	11398.1	11310.3	11109.7	11144.2
55°	12451.1	12617.2	12648.5	12874.1	13350.5	13811.2	13385.0	13030.8	12604.6	12526.3
57.5°	14058.8	14190.4	14340.8	14801.5	15691.5	16509.5	15691.5	14908.0	14237.4	14077.6
60°	15788.7	15951.6	16095.8	16775.9	18098.4	19248.5	18073.3	16829.1	15942.2	15726.0
62.5°	17647.1	17857.1	17957.4	18712.6	20254.5	21627.2	20276.5	18769.0	17785.0	17553.1
65°	19430.3	19602.7	19715.5	20520.9	21993.8	23369.6	22094.1	20608.6	19596.4	19292.4
67.5°	20260.8	20354.8	20630.6	21542.6	23097.0	24667.1	23360.2	21639.7	20508.4	19975.6
70°	19044.8	18853.7	19518.0	20978.4	23228.6	25463.1	23529.5	20934.6	19549.4	18684.4
72.5°	14716.9	14387.8	15541.1	18038.8	21724.3	24955.4	21874.8	18179.9	16258.8	14503.8
75°	8007.2	7634.2	9226.3	12385.2	17324.3	21630.3	17722.3	12739.4	10273.0	7947.6
77.5°	2259.6	2118.5	3403.4	5992.1	10420.3	15187.0	10821.4	6123.7	4036.5	2394.3
80°	692.6	670.7	908.8	1805.1	4425.1	7273.8	4252.7	1827.1	1156.4	730.2
82.5°	410.5	376.1	451.3	658.1	1128.2	2284.6	1096.9	686.3	551.6	369.8
85°	235.0	219.4	266.4	319.7	379.2	485.8	316.5	325.9	294.6	197.4
87.5°	97.2	87.7	103.4	100.3	87.7	112.8	84.6	100.3	119.1	78.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5500.0
5481.2
5412.3
5337.1
5302.6
5302.6
5324.5
5365.3
5406.0
5424.8
5443.6
5490.6
5597.2
5763.3
6029.7
6399.5
6860.1
7446.2
8138.8
8928.5
9878.1
11028.3
12404.0
13964.7
15538.0
17365.0
19142.0
19981.9
18891.3
14939.4
8464.7
2660.7
770.9
401.1
206.8
72.1
0.0

OF REPORT)