

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: P850811

Luminaire Tested: **GLAN-SB8C-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850811  
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-SB8C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59171 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

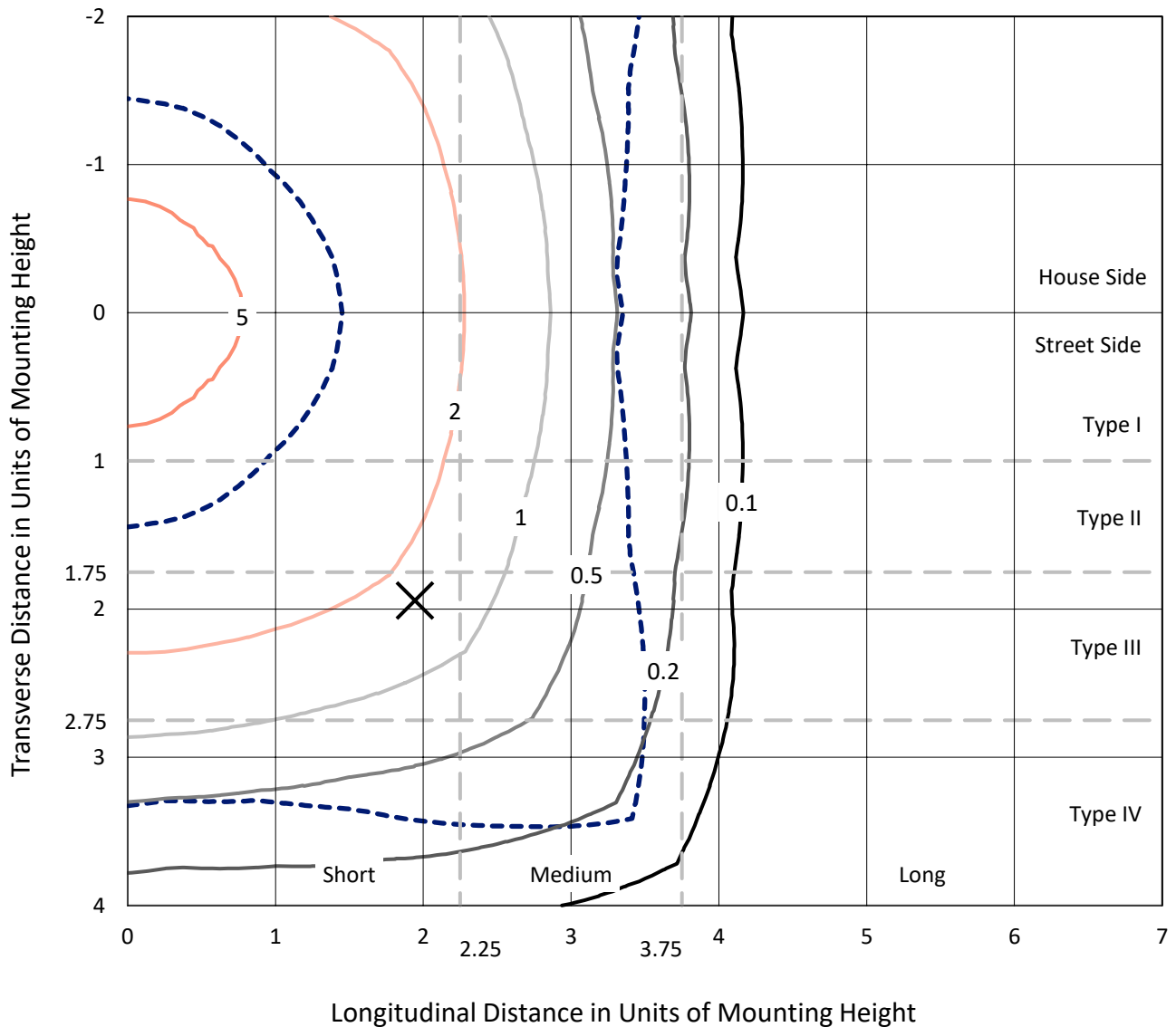
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

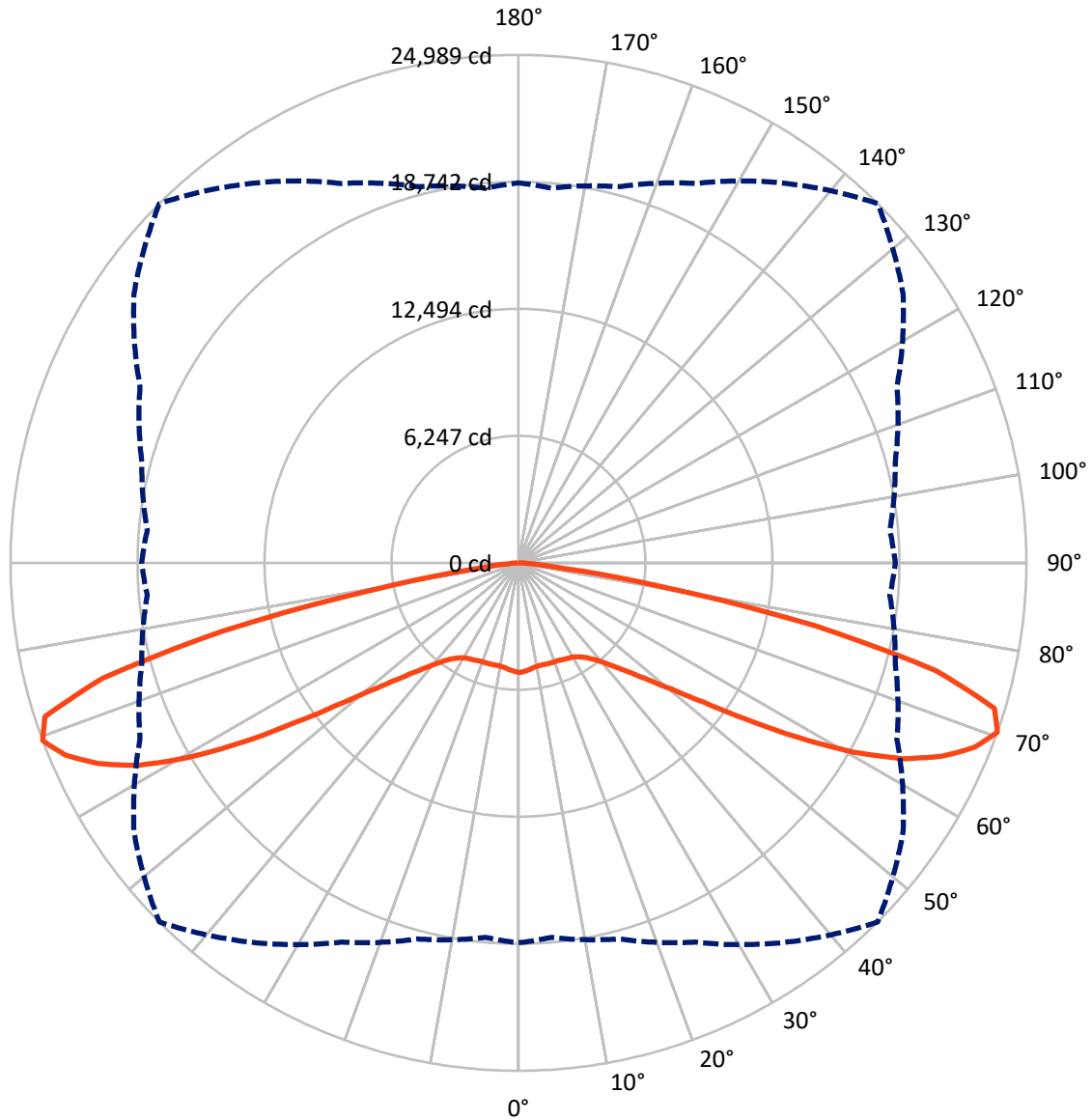
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	29585.5	0.0	29585.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29585.5	0.0	29585.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59171.0	0.0	59171.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.1	0.8
10°-20°	1474.3	2.5
20°-30°	2453.4	4.1
30°-40°	3710.3	6.3
40°-50°	6165.7	10.4
50°-60°	11634.5	19.7
60°-70°	19645.3	33.2
70°-80°	12909.0	21.8
80°-90°	676.3	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°	59171.0	100.0
0°-180°	59171.0	100.0

**Coefficient of Utilization**

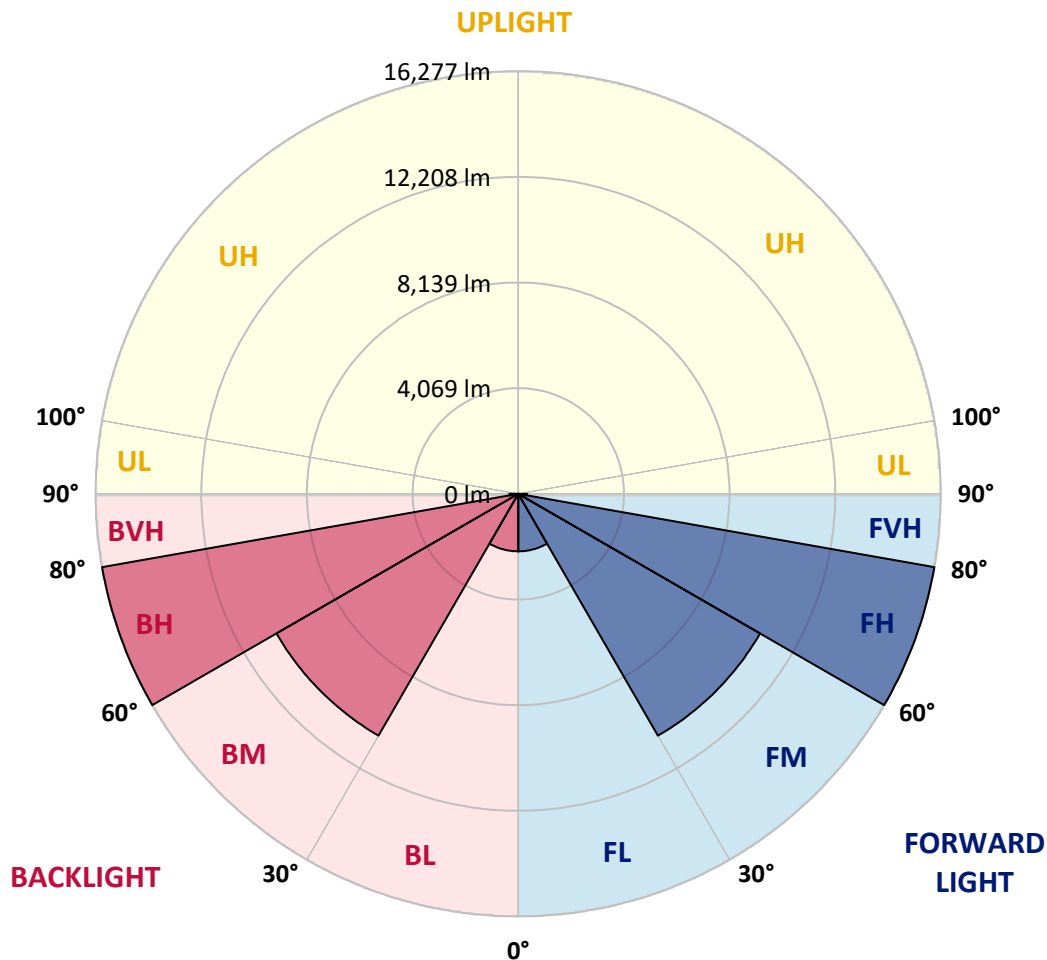


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2214.9	3.7			
FM (30°-60°)	10755.3	18.2			
FH (60°-80°)	16277.1	27.5			G5
FVH (80°-90°)	338.1	0.6			G3/500
BL (0°-30°)	2214.9	3.7	B3/2500		
BM (30°-60°)	10755.3	18.2	B5		
BH (60°-80°)	16277.1	27.5	B5		G5
BVH (80°-90°)	338.1	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°	5397.6	5397.6	5397.6	5397.6	5397.6	5397.6	5397.6	5397.6	5397.6	5397.6
2.5°	5363.8	5379.1	5373.0	5360.7	5360.7	5351.5	5360.7	5366.8	5376.1	5382.2
5°	5293.0	5305.3	5302.2	5293.0	5296.1	5286.9	5293.0	5302.2	5308.4	5311.5
7.5°	5231.5	5243.8	5237.7	5222.3	5222.3	5213.1	5216.1	5225.4	5234.6	5237.7
10°	5216.1	5228.4	5210.0	5185.4	5176.1	5163.8	5166.9	5176.1	5194.6	5203.8
12.5°	5222.3	5231.5	5213.1	5176.1	5166.9	5154.6	5154.6	5163.8	5188.4	5200.8
15°	5240.7	5250.0	5222.3	5182.3	5173.1	5163.8	5160.8	5173.1	5200.8	5222.3
17.5°	5274.6	5283.8	5240.7	5185.4	5173.1	5176.1	5173.1	5182.3	5225.4	5265.3
20°	5305.3	5311.5	5253.0	5185.4	5173.1	5176.1	5173.1	5191.5	5246.9	5302.2
22.5°	5314.5	5320.7	5265.3	5206.9	5197.7	5200.8	5197.7	5216.1	5268.4	5323.8
25°	5317.6	5326.8	5283.8	5237.7	5253.0	5259.2	5253.0	5256.1	5296.1	5345.3
27.5°	5363.8	5376.1	5336.1	5296.1	5305.3	5302.2	5311.5	5320.7	5351.5	5400.7
30°	5459.1	5468.3	5434.5	5394.5	5388.4	5366.8	5394.5	5425.3	5459.1	5502.2
32.5°	5616.0	5634.4	5591.3	5548.3	5520.6	5508.3	5529.8	5582.1	5628.3	5674.4
35°	5877.4	5889.7	5849.7	5769.7	5720.5	5720.5	5739.0	5806.6	5880.4	5938.9
37.5°	6246.4	6261.8	6191.1	6095.7	6021.9	6021.9	6046.5	6117.3	6228.0	6311.0
40°	6695.5	6717.0	6627.8	6529.4	6458.7	6446.3	6477.1	6557.1	6661.6	6766.2
42.5°	7236.8	7261.4	7144.5	7058.4	7003.0	7003.0	7018.4	7092.2	7187.6	7316.7
45°	7928.8	7971.8	7811.9	7725.8	7673.5	7685.8	7695.0	7759.6	7845.7	7993.3
47.5°	8753.0	8796.1	8626.9	8537.7	8528.5	8586.9	8550.0	8596.2	8642.3	8811.4
50°	9688.0	9761.8	9644.9	9638.8	9657.2	9764.9	9678.7	9703.4	9651.1	9758.7
52.5°	10832.1	10939.7	10918.2	10955.1	11161.2	11382.6	11185.8	11099.7	10902.8	10936.6
55°	12219.2	12382.2	12412.9	12634.4	13101.8	13553.9	13135.7	12788.1	12369.9	12293.0
57.5°	13796.9	13926.1	14073.7	14525.8	15399.3	16202.0	15399.3	14630.4	13972.2	13815.4
60°	15494.6	15654.5	15796.0	16463.4	17761.3	18890.0	17736.7	16515.7	15645.3	15433.1
62.5°	17318.4	17524.5	17622.9	18364.1	19877.3	21224.4	19898.8	18419.5	17453.7	17226.1
65°	19068.4	19237.6	19348.3	20138.7	21584.2	22934.4	21682.6	20224.8	19231.4	18933.1
67.5°	19883.4	19975.7	20246.3	21141.3	22666.8	24207.6	22925.1	21236.7	20126.4	19603.5
70°	18690.1	18502.5	19154.5	20587.7	22796.0	24988.8	23091.2	20544.7	19185.3	18336.4
72.5°	14442.8	14119.8	15251.6	17702.9	21319.7	24490.6	21467.3	17841.3	15955.9	14233.6
75°	7858.0	7492.0	9054.4	12154.6	17001.6	21227.4	17392.2	12502.1	10081.6	7799.6
77.5°	2217.5	2079.1	3340.0	5880.4	10226.2	14904.1	10619.9	6009.6	3961.3	2349.7
80°	679.7	658.2	891.9	1771.5	4342.7	7138.3	4173.5	1793.0	1134.9	716.6
82.5°	402.9	369.1	442.9	645.9	1107.2	2242.1	1076.4	673.5	541.3	362.9
85°	230.7	215.3	261.4	313.7	372.1	476.7	310.6	319.9	289.1	193.8
87.5°	95.3	86.1	101.5	98.4	86.1	110.7	83.0	98.4	116.9	76.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5397.6
5379.1
5311.5
5237.7
5203.8
5203.8
5225.4
5265.3
5305.3
5323.8
5342.2
5388.4
5492.9
5655.9
5917.4
6280.3
6732.4
7307.5
7987.2
8762.2
9694.1
10822.9
12173.0
13704.6
15248.6
17041.6
18785.4
19609.7
18539.4
14661.1
8307.1
2611.1
756.6
393.7
203.0
70.7
0.0

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