

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: P849611

Luminaire Tested: **GLAN-SB6D-727-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849611
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55509 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

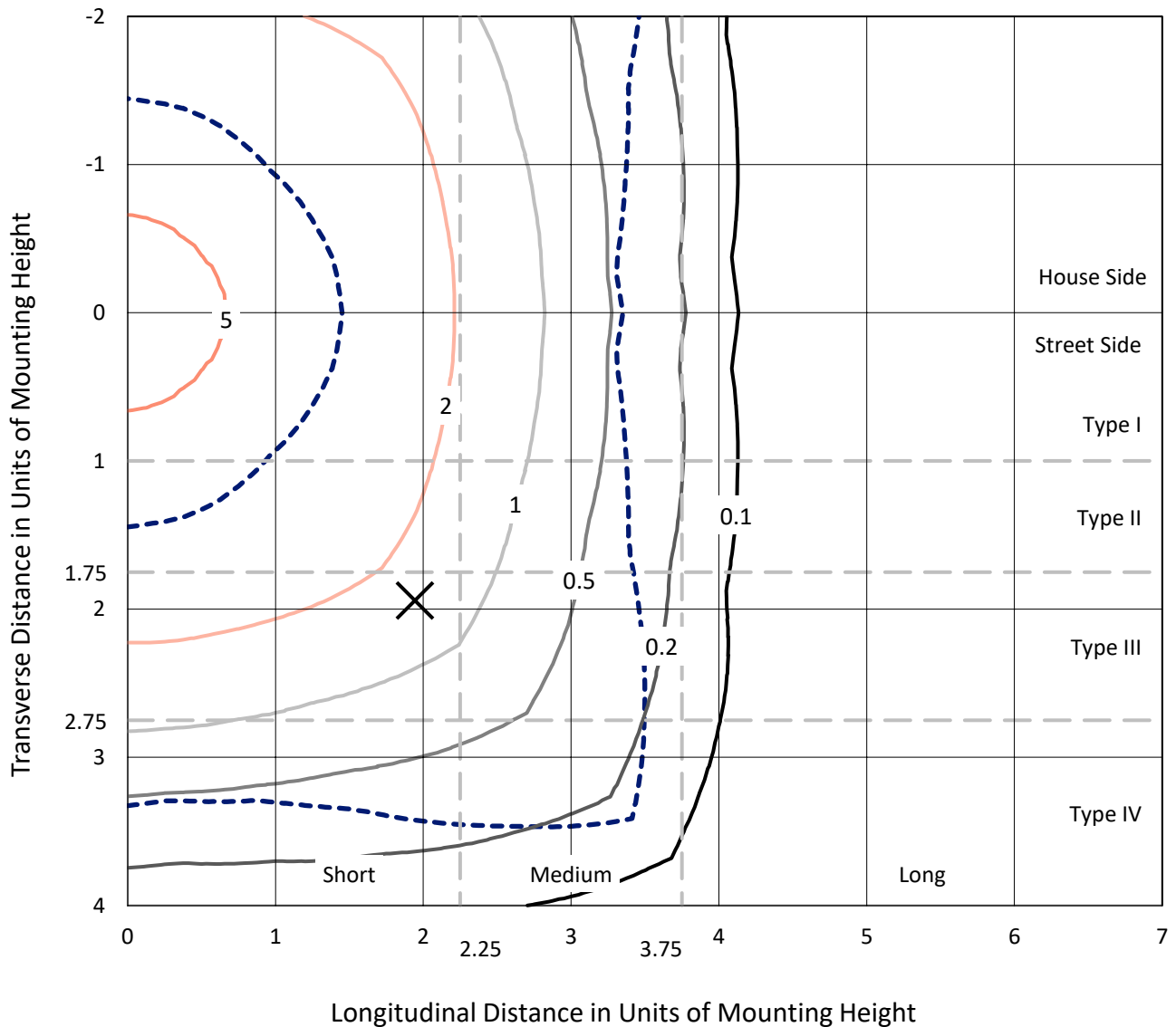
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

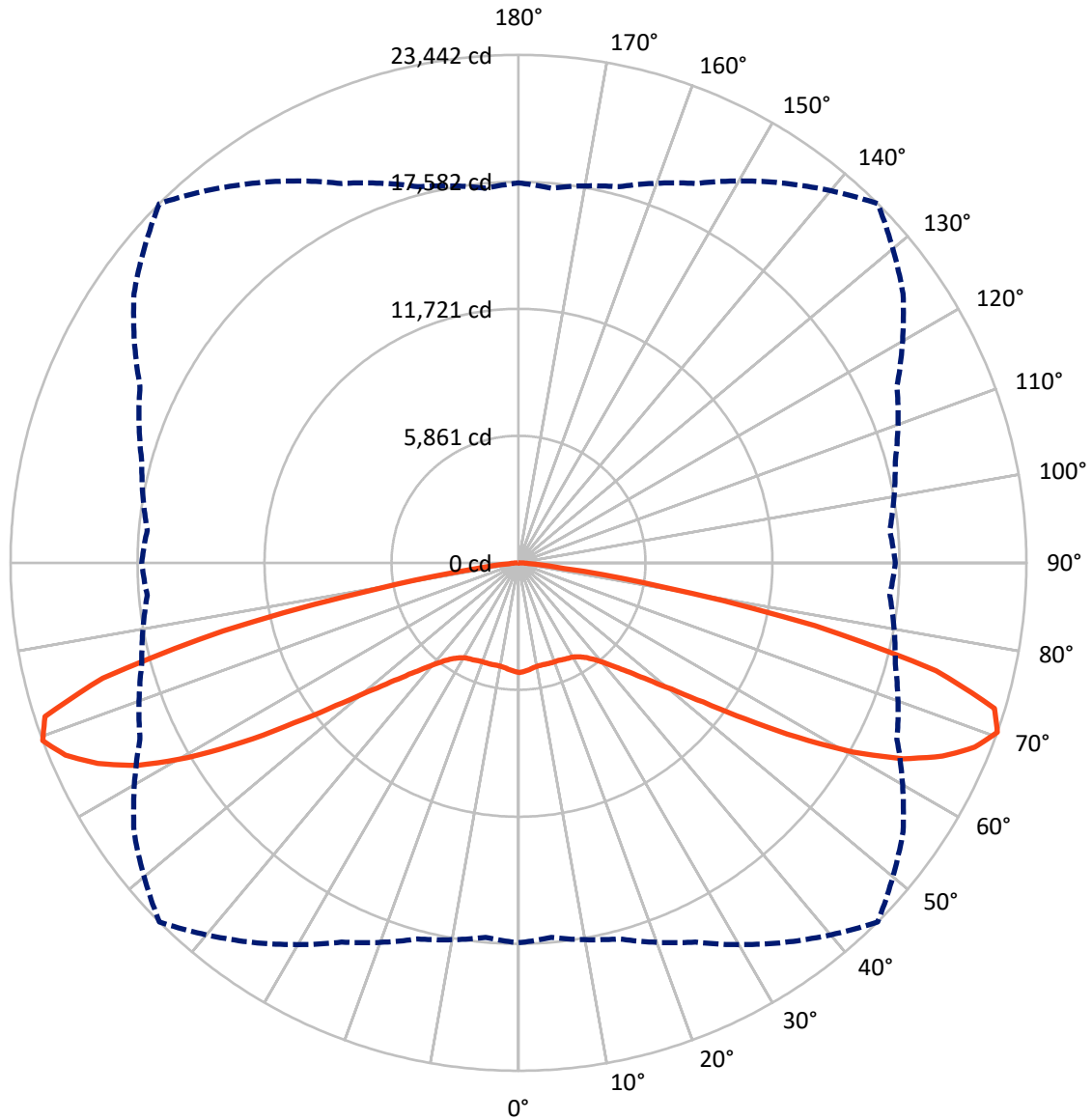
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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
House Side	Lumens	27754.5	0.0	27754.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27754.5	0.0	27754.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55509.0	0.0	55509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.0	0.8
10°-20°	1383.1	2.5
20°-30°	2301.6	4.1
30°-40°	3480.7	6.3
40°-50°	5784.1	10.4
50°-60°	10914.4	19.7
60°-70°	18429.5	33.2
70°-80°	12110.1	21.8
80°-90°	634.4	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°	55509.0	100.0
0°-180°	55509.0	100.0

Coefficient of Utilization



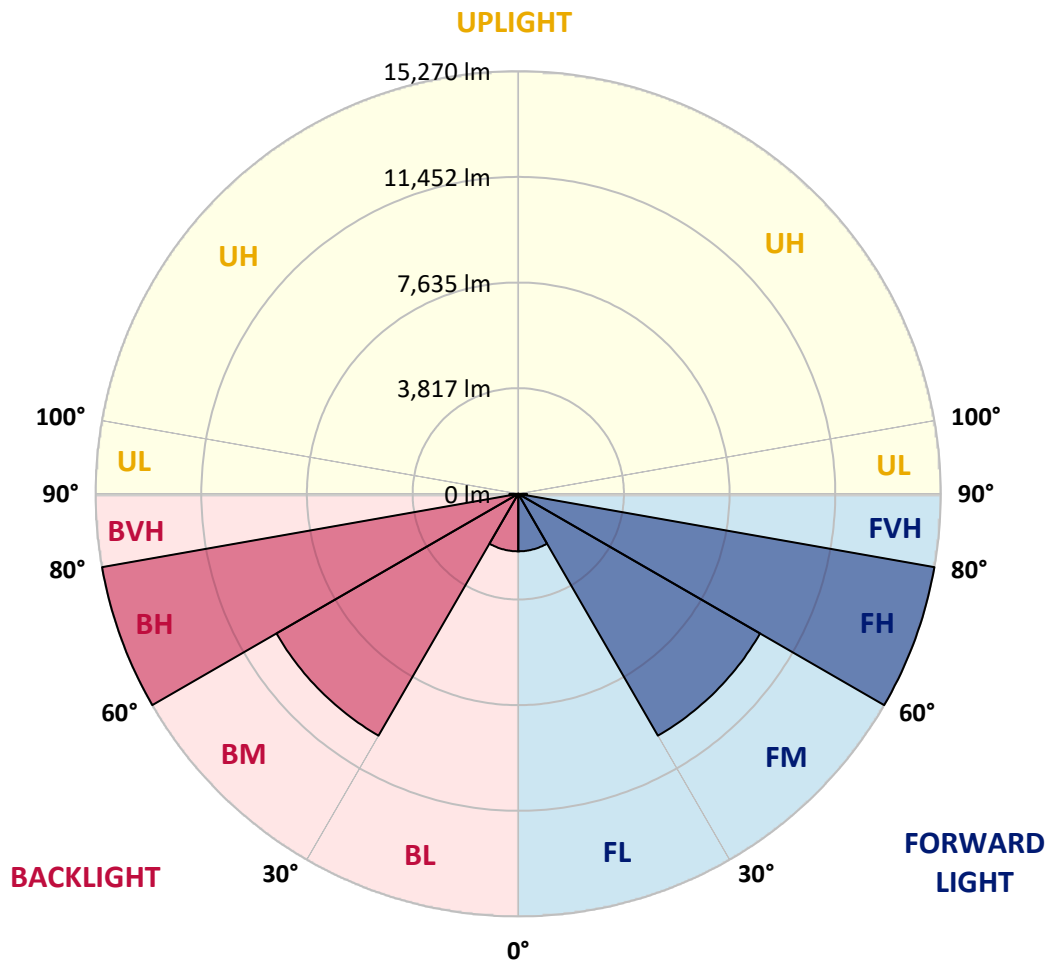
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2077.8	3.7			
FM (30°-60°)	10089.6	18.2			
FH (60°-80°)	15269.8	27.5			G5
FVH (80°-90°)	317.2	0.6			G3/500
BL (0°-30°)	2077.8	3.7	B3/2500		
BM (30°-60°)	10089.6	18.2	B5		
BH (60°-80°)	15269.8	27.5	B5		G5
BVH (80°-90°)	317.2	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°	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5
2.5°	5031.8	5046.2	5040.5	5028.9	5028.9	5020.3	5028.9	5034.7	5043.3	5049.1
5°	4965.4	4977.0	4974.1	4965.4	4968.3	4959.7	4965.4	4974.1	4979.9	4982.8
7.5°	4907.7	4919.3	4913.5	4899.1	4899.1	4890.4	4893.3	4902.0	4910.6	4913.5
10°	4893.3	4904.9	4887.5	4864.5	4855.8	4844.3	4847.1	4855.8	4873.1	4881.8
12.5°	4899.1	4907.7	4890.4	4855.8	4847.1	4835.6	4835.6	4844.3	4867.3	4878.9
15°	4916.4	4925.0	4899.1	4861.6	4852.9	4844.3	4841.4	4852.9	4878.9	4899.1
17.5°	4948.1	4956.8	4916.4	4864.5	4852.9	4855.8	4852.9	4861.6	4902.0	4939.5
20°	4977.0	4982.8	4927.9	4864.5	4852.9	4855.8	4852.9	4870.2	4922.2	4974.1
22.5°	4985.6	4991.4	4939.5	4884.7	4876.0	4878.9	4876.0	4893.3	4942.4	4994.3
25°	4988.5	4997.2	4956.8	4913.5	4927.9	4933.7	4927.9	4930.8	4968.3	5014.5
27.5°	5031.8	5043.3	5005.8	4968.3	4977.0	4974.1	4982.8	4991.4	5020.3	5066.4
30°	5121.2	5129.9	5098.2	5060.7	5054.9	5034.7	5060.7	5089.5	5121.2	5161.6
32.5°	5268.4	5285.7	5245.3	5204.9	5178.9	5167.4	5187.6	5236.7	5279.9	5323.2
35°	5513.6	5525.2	5487.7	5412.6	5366.5	5366.5	5383.8	5447.3	5516.5	5571.3
37.5°	5859.9	5874.3	5807.9	5718.5	5649.2	5649.2	5672.3	5738.7	5842.5	5920.4
40°	6281.1	6301.3	6217.6	6125.3	6058.9	6047.4	6076.2	6151.3	6249.4	6347.5
42.5°	6788.9	6812.0	6702.3	6621.6	6569.6	6569.6	6584.0	6653.3	6742.7	6863.9
45°	7438.1	7478.5	7328.4	7247.6	7198.6	7210.1	7218.8	7279.4	7360.2	7498.7
47.5°	8211.3	8251.7	8093.0	8009.3	8000.7	8055.5	8020.9	8064.2	8107.4	8266.1
50°	9088.4	9157.6	9048.0	9042.2	9059.6	9160.5	9079.7	9102.8	9053.8	9154.8
52.5°	10161.7	10262.7	10242.5	10277.1	10470.4	10678.2	10493.5	10412.7	10228.1	10259.8
55°	11462.9	11615.8	11644.7	11852.4	12291.0	12715.1	12322.7	11996.7	11604.3	11532.2
57.5°	12943.0	13064.2	13202.7	13626.8	14446.2	15199.3	14446.2	13724.9	13107.5	12960.4
60°	14535.7	14685.7	14818.4	15444.5	16662.1	17720.9	16639.0	15493.6	14677.0	14478.0
62.5°	16246.6	16439.9	16532.2	17227.6	18647.1	19910.8	18667.3	17279.5	16373.6	16160.0
65°	17888.3	18047.0	18150.8	18892.3	20248.4	21515.0	20340.7	18973.1	18041.2	17761.3
67.5°	18652.9	18739.4	18993.3	19832.9	21264.0	22709.5	21506.3	19922.4	18880.8	18390.3
70°	17533.4	17357.4	17969.1	19313.6	21385.2	23442.3	21662.1	19273.2	17997.9	17201.6
72.5°	13548.9	13246.0	14307.7	16607.3	20000.3	22974.9	20138.7	16737.1	14968.5	13352.7
75°	7371.7	7028.4	8494.0	11402.3	15949.4	19913.7	16315.8	11728.4	9457.7	7316.9
77.5°	2080.2	1950.4	3133.3	5516.5	9593.3	13981.7	9962.6	5637.7	3716.1	2204.3
80°	637.6	617.4	836.7	1661.9	4073.9	6696.6	3915.2	1682.1	1064.6	672.3
82.5°	378.0	346.2	415.5	605.9	1038.7	2103.3	1009.8	631.9	507.8	340.5
85°	216.4	202.0	245.2	294.3	349.1	447.2	291.4	300.1	271.2	181.8
87.5°	89.4	80.8	95.2	92.3	80.8	103.9	77.9	92.3	109.6	72.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5063.5
5046.2
4982.8
4913.5
4881.8
4881.8
4902.0
4939.5
4977.0
4994.3
5011.6
5054.9
5153.0
5305.9
5551.1
5891.6
6315.7
6855.3
7492.9
8220.0
9094.2
10153.0
11419.6
12856.5
14304.9
15986.9
17622.8
18396.1
17392.0
13753.8
7792.9
2449.5
709.8
369.3
190.4
66.4
0.0

OF REPORT)