

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: P455324

Luminaire Tested: **GLAN-SA6C-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39624 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 321
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

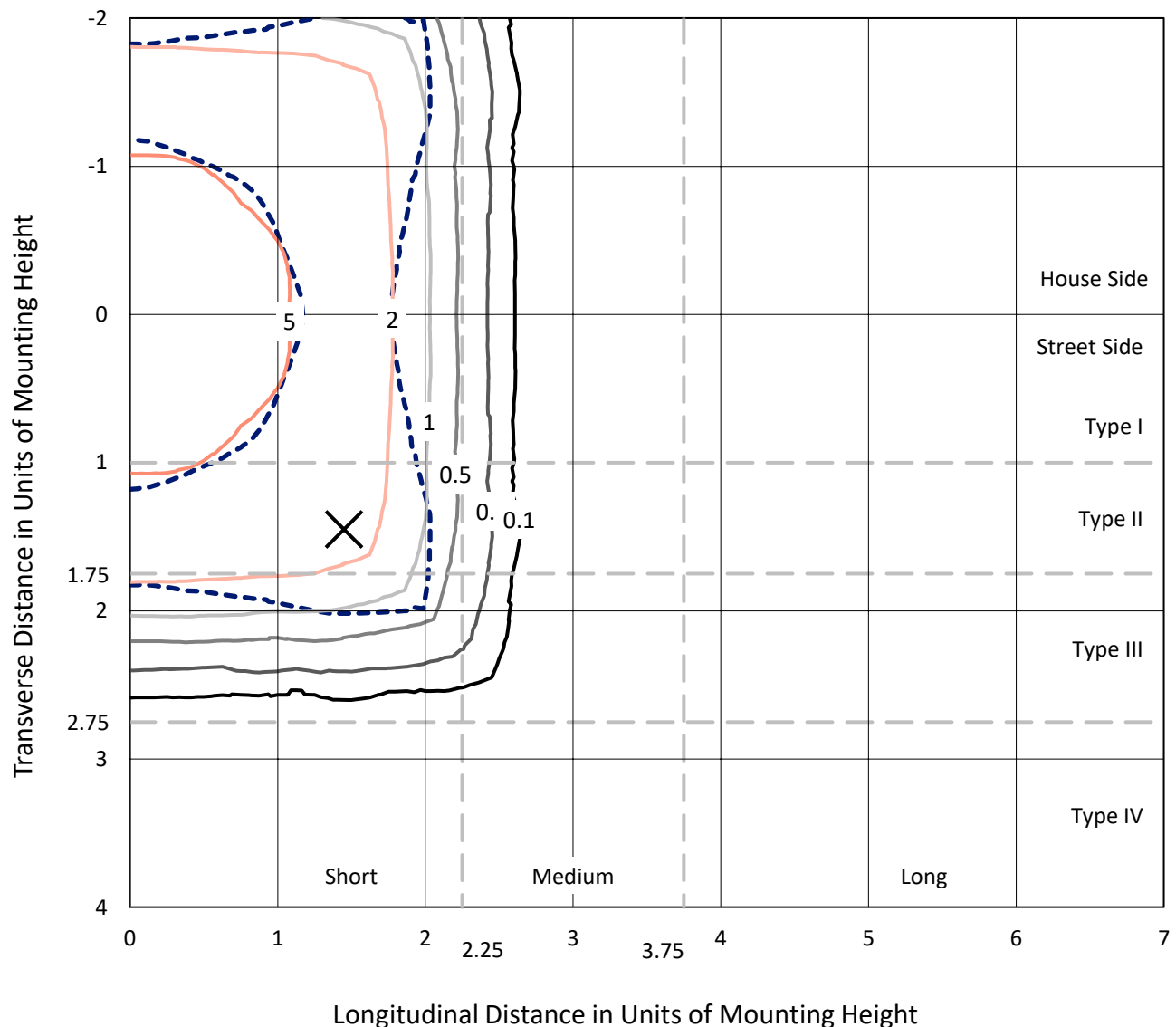


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



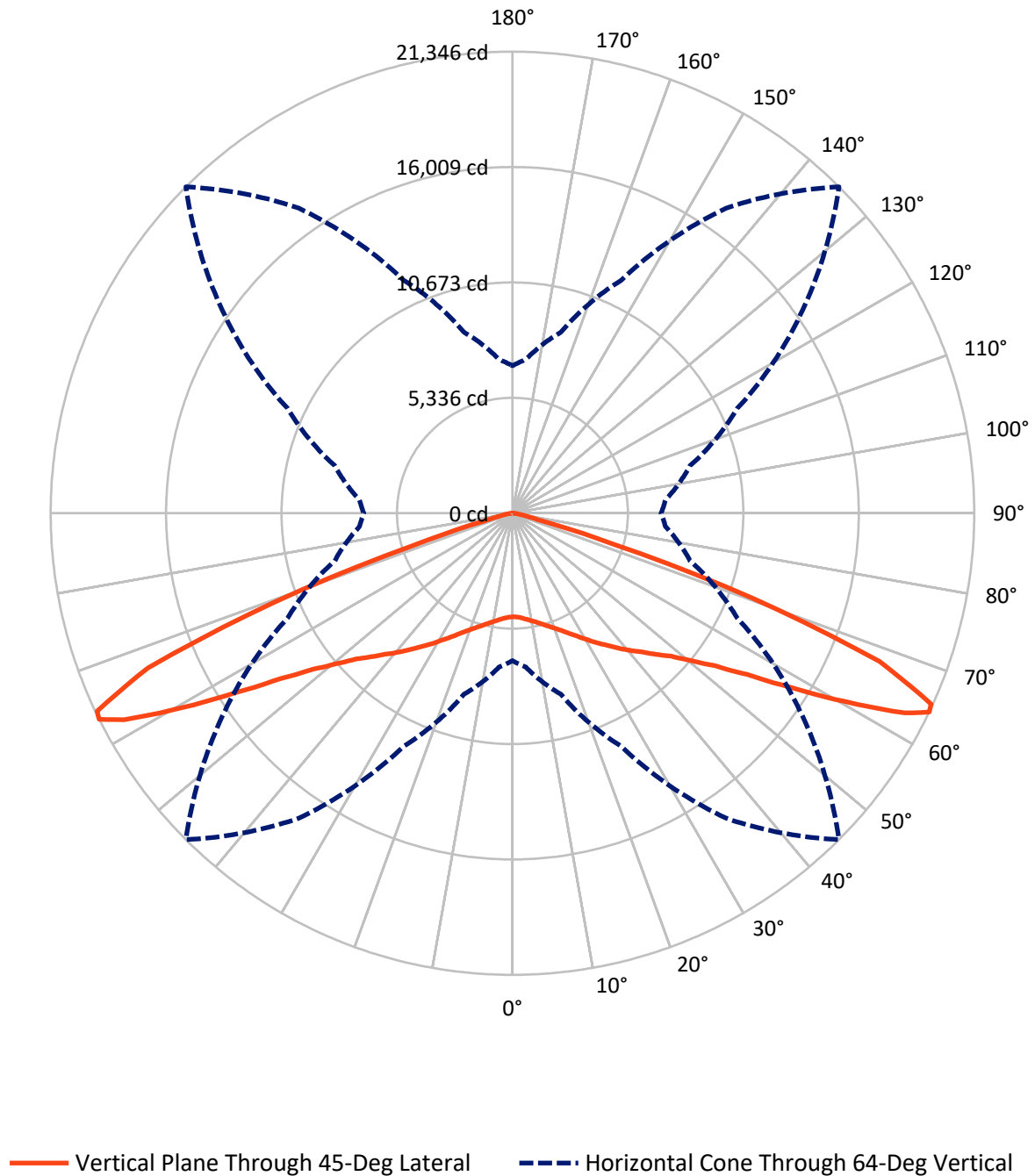
Based on 25 foot mounting height. Maximum calculated value = 7.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19812.0	0.0	19812.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19812.0	0.0	19812.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39624.0	0.0	39624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.5	1.2
10°-20°	1517.7	3.8
20°-30°	2868.0	7.2
30°-40°	4749.7	12.0
40°-50°	7415.1	18.7
50°-60°	11463.6	28.9
60°-70°	9884.9	24.9
70°-80°	1120.2	2.8
80°-90°	134.2	0.3
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°	39624.0	100.0
0°-180°	39624.0	100.0

Coefficient of Utilization



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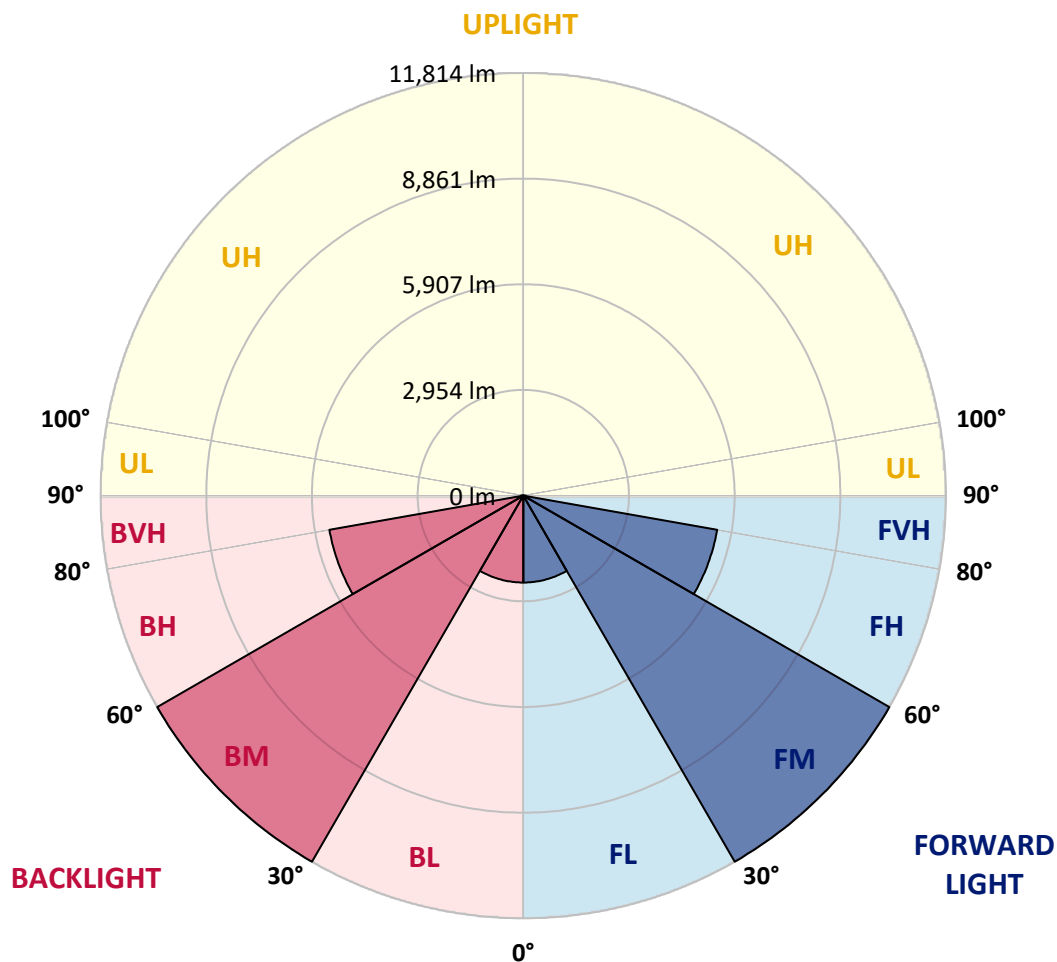
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2428.1	6.1			
FM	(30°-60°)	11814.2	29.8			
FH	(60°-80°)	5502.6	13.9			G3/7500
FVH	(80°-90°)	67.1	0.2			G1/100
BL	(0°-30°)	2428.1	6.1	B3/2500		
BM	(30°-60°)	11814.2	29.8	B5		
BH	(60°-80°)	5502.6	13.9	B5		G3/7500
BVH	(80°-90°)	67.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2	4789.2
2.5°	4808.1	4818.6	4810.2	4808.1	4806.0	4806.0	4806.0	4808.1	4816.5	4822.8	4818.6
5°	4869.0	4877.4	4873.2	4871.1	4869.0	4871.1	4866.9	4864.8	4871.1	4871.1	4869.0
7.5°	4944.5	4955.0	4950.8	4955.0	4957.1	4959.2	4948.7	4940.3	4938.2	4944.5	4940.3
10°	5047.4	5055.8	5057.9	5060.0	5064.2	5062.1	5049.5	5034.8	5032.7	5030.6	5028.5
12.5°	5162.8	5169.1	5171.2	5179.6	5185.9	5188.0	5173.3	5160.7	5139.7	5143.9	5135.5
15°	5292.9	5305.5	5303.4	5316.0	5332.8	5337.0	5322.3	5301.3	5282.4	5271.9	5265.6
17.5°	5452.4	5460.8	5456.6	5469.2	5490.2	5500.7	5488.1	5460.8	5441.9	5418.8	5406.2
20°	5641.3	5656.0	5660.2	5660.2	5679.1	5689.6	5670.7	5662.3	5632.9	5616.1	5605.6
22.5°	5855.4	5861.7	5874.3	5886.8	5905.7	5901.5	5895.2	5882.6	5855.4	5840.7	5823.9
25°	6096.7	6103.0	6134.5	6161.8	6168.1	6163.9	6155.5	6149.2	6124.0	6090.4	6077.8
27.5°	6377.9	6390.5	6432.5	6457.7	6457.7	6459.8	6443.0	6464.0	6409.4	6369.5	6365.3
30°	6730.5	6738.9	6774.6	6799.8	6787.2	6776.7	6772.5	6793.5	6734.7	6663.4	6646.6
32.5°	7078.9	7108.3	7139.8	7194.3	7150.3	7131.4	7127.2	7141.9	7074.7	6995.0	6971.9
35°	7452.5	7473.5	7532.2	7578.4	7538.5	7494.4	7513.3	7559.5	7479.8	7372.7	7368.5
37.5°	7865.9	7884.8	7960.4	8008.6	7979.2	7903.7	7935.2	7989.7	7910.0	7777.8	7750.5
40°	8296.1	8336.0	8430.5	8480.8	8432.6	8331.8	8390.6	8449.4	8378.0	8224.8	8163.9
42.5°	8778.8	8841.8	8978.2	9003.4	8911.1	8774.7	8877.5	8971.9	8921.6	8745.3	8722.2
45°	9343.4	9381.2	9549.1	9603.6	9475.6	9305.6	9433.6	9605.7	9568.0	9364.4	9320.3
47.5°	9975.1	10010.8	10185.0	10266.8	10105.2	9876.5	10107.3	10331.9	10308.8	10090.5	10069.5
50°	10722.2	10730.6	10972.0	11064.3	10902.7	10705.5	10911.1	11190.3	11097.9	10818.8	10814.6
52.5°	11540.7	11551.2	11855.5	12033.9	11943.7	11721.2	11964.7	12134.7	11899.6	11534.4	11507.2
55°	12250.1	12302.6	12718.1	13192.4	13316.2	13154.6	13228.1	13148.3	12569.1	12057.0	11977.3
57.5°	12539.7	12642.6	13274.3	14159.9	14965.8	15205.1	14638.4	13878.7	12835.6	12111.6	12033.9
60°	11832.5	11943.7	12923.8	14604.8	16661.6	17700.4	16107.5	14002.5	12229.1	11211.2	11089.5
62.5°	9475.6	9507.1	10948.9	13557.6	17650.0	20340.6	16726.6	12946.9	10464.1	9081.1	9032.8
64°	6818.7	7141.9	8669.7	11887.0	17217.7	21345.8	16369.8	11467.3	8499.7	7099.9	6873.2
65°	5099.8	5188.0	6988.7	10151.4	16455.9	21270.3	15677.3	10052.8	7039.0	5433.5	5181.7
67.5°	1926.6	1937.1	2579.3	5060.0	11714.9	18300.6	11964.7	5469.2	2965.5	2144.9	2067.2
70°	799.6	814.3	946.5	1702.0	5034.8	11750.6	5769.3	1972.8	1085.0	879.4	866.8
72.5°	585.5	593.9	633.8	755.5	1548.8	4824.9	1897.2	837.4	635.9	568.7	562.5
75°	459.6	463.8	493.2	556.2	722.0	1336.9	789.1	575.0	484.8	436.5	432.3
77.5°	350.5	361.0	382.0	423.9	484.8	633.8	522.6	430.2	373.6	333.7	327.4
80°	241.4	253.9	293.8	310.6	325.3	411.3	356.8	325.3	291.7	243.4	228.8
82.5°	149.0	157.4	197.3	212.0	205.7	230.9	228.8	233.0	207.8	151.1	140.6
85°	77.7	81.8	107.0	111.2	102.8	94.4	117.5	136.4	128.0	86.0	83.9
87.5°	16.8	18.9	23.1	21.0	23.1	23.1	29.4	44.1	46.2	29.4	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)