

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: P456223

Luminaire Tested: **GLAN-SA7C-727-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456223
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-SA7C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 42739 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

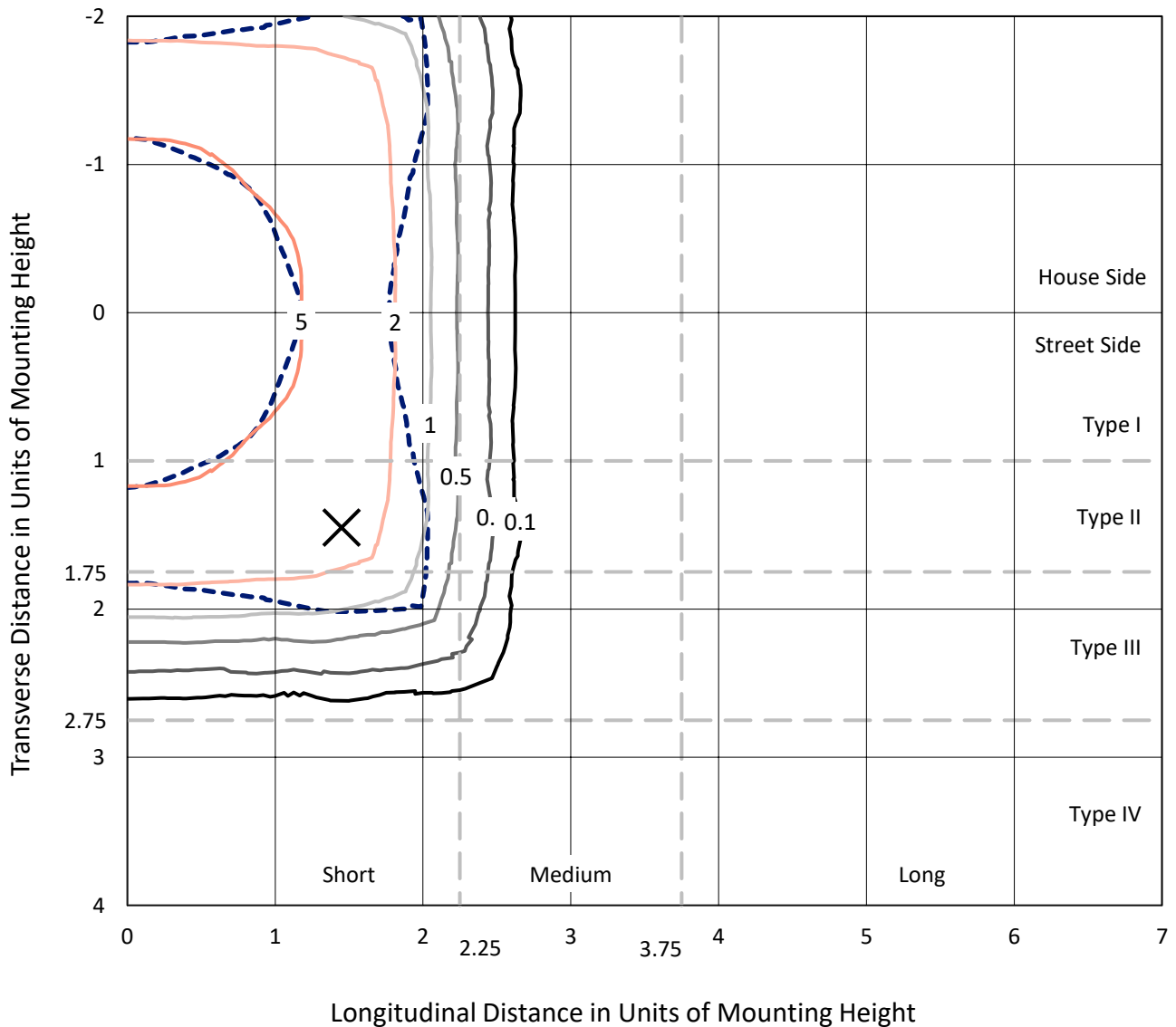
Input Watts (W): 377
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

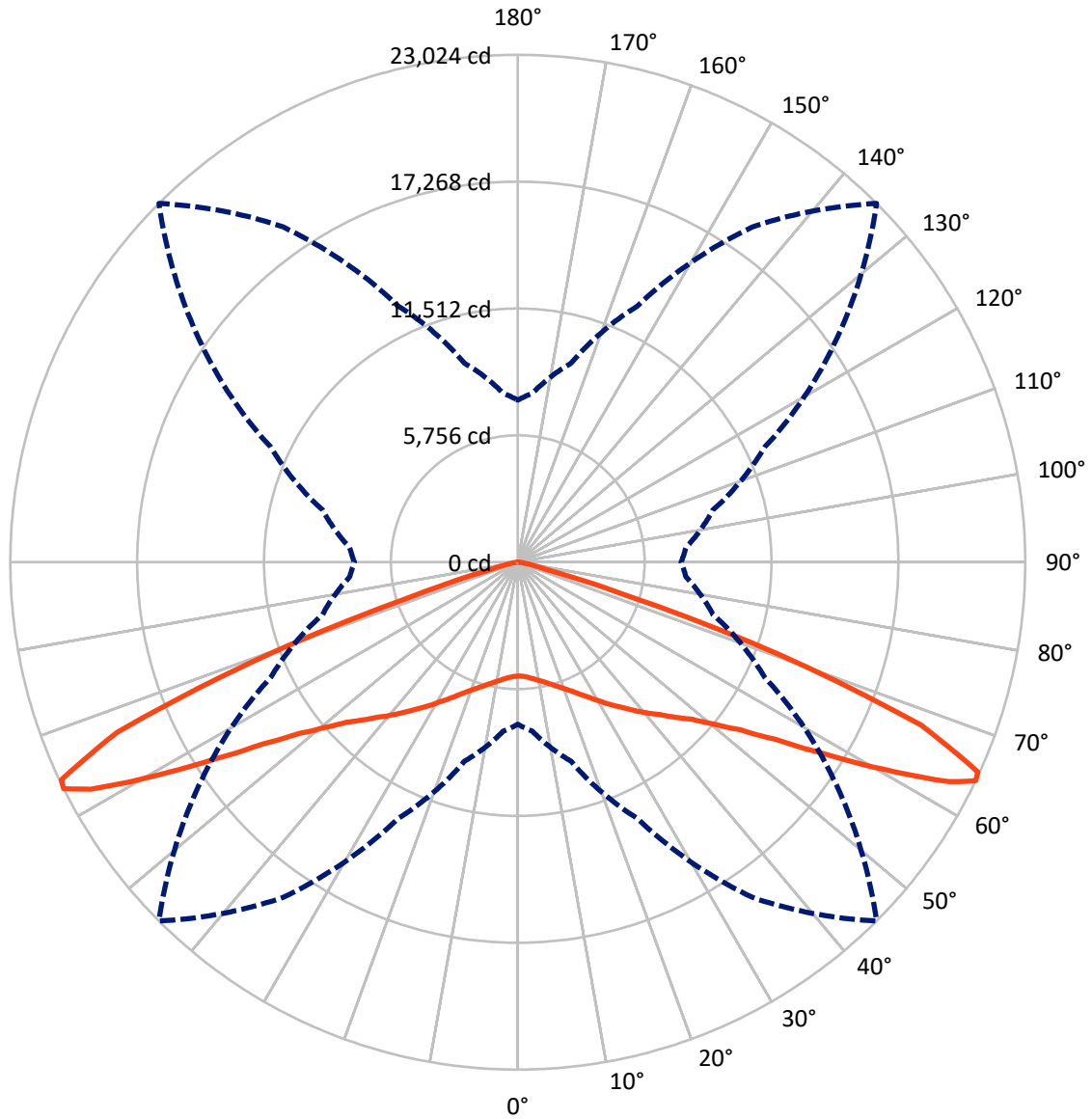
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21369.5	0.0	21369.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21369.5	0.0	21369.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42739.0	0.0	42739.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.5	1.2
10°-20°	1637.0	3.8
20°-30°	3093.5	7.2
30°-40°	5123.1	12.0
40°-50°	7998.0	18.7
50°-60°	12364.8	28.9
60°-70°	10662.0	24.9
70°-80°	1208.3	2.8
80°-90°	144.8	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°	42739.0	100.0
0°-180°	42739.0	100.0



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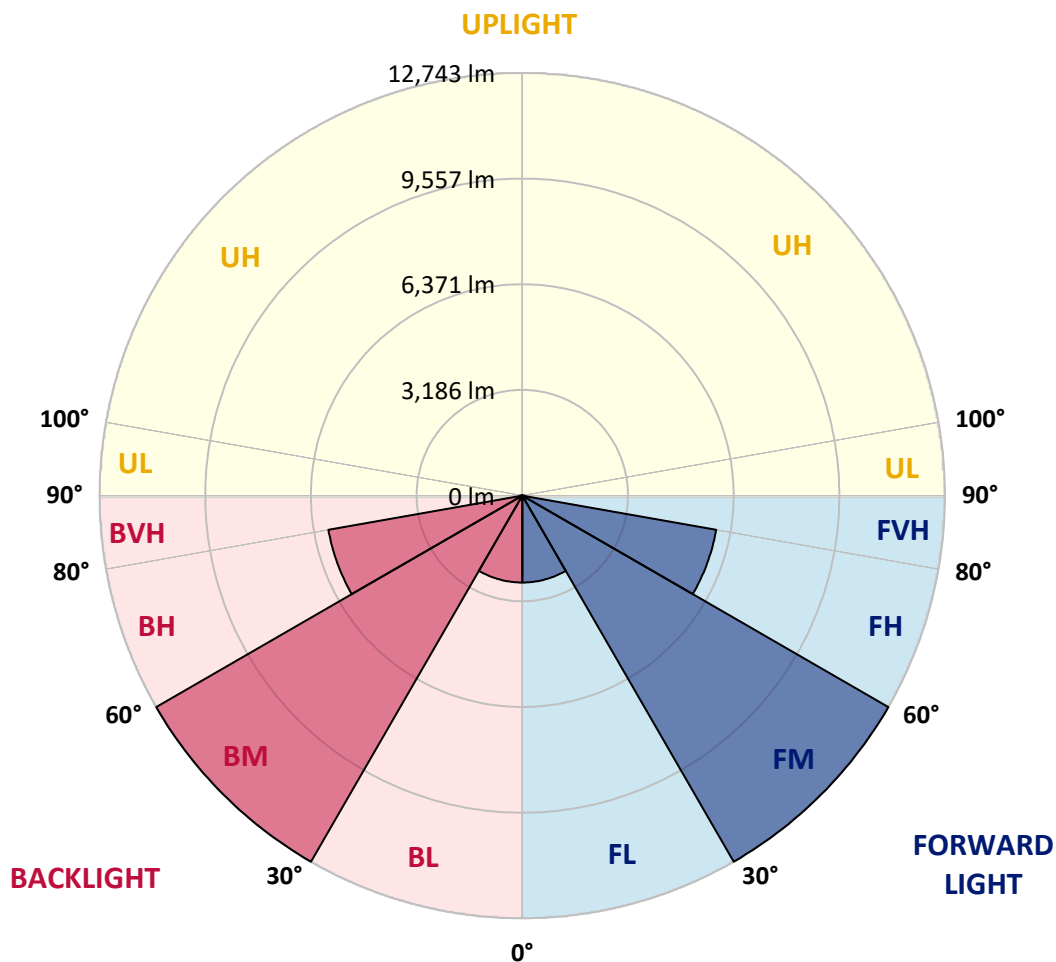
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2619.0	6.1			
FM	(30°-60°)	12743.0	29.8			
FH	(60°-80°)	5935.1	13.9			G3/7500
FVH	(80°-90°)	72.4	0.2			G1/100
BL	(0°-30°)	2619.0	6.1	B4/5000		
BM	(30°-60°)	12743.0	29.8	B5		
BH	(60°-80°)	5935.1	13.9	B5		G3/7500
BVH	(80°-90°)	72.4	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°	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7	5165.7
2.5°	5186.1	5197.4	5188.4	5186.1	5183.8	5183.8	5183.8	5186.1	5195.2	5201.9	5197.4
5°	5251.7	5260.8	5256.3	5254.0	5251.7	5254.0	5249.5	5247.2	5254.0	5254.0	5251.7
7.5°	5333.2	5344.6	5340.0	5344.6	5346.8	5349.1	5337.8	5328.7	5326.4	5333.2	5328.7
10°	5444.2	5453.2	5455.5	5457.7	5462.3	5460.0	5446.4	5430.6	5428.3	5426.1	5423.8
12.5°	5568.7	5575.5	5577.7	5586.8	5593.6	5595.8	5580.0	5566.4	5543.8	5548.3	5539.2
15°	5709.0	5722.6	5720.3	5733.9	5752.0	5756.5	5740.7	5718.1	5697.7	5686.4	5679.6
17.5°	5881.1	5890.1	5885.6	5899.2	5921.8	5933.1	5919.5	5890.1	5869.7	5844.8	5831.2
20°	6084.8	6100.6	6105.2	6105.2	6125.5	6136.8	6116.5	6107.4	6075.7	6057.6	6046.3
22.5°	6315.7	6322.5	6336.1	6349.6	6370.0	6365.5	6358.7	6345.1	6315.7	6299.8	6281.7
25°	6576.0	6582.8	6616.7	6646.2	6653.0	6648.4	6639.4	6632.6	6605.4	6569.2	6555.6
27.5°	6879.3	6892.9	6938.2	6965.4	6965.4	6967.6	6949.5	6972.1	6913.3	6870.3	6865.8
30°	7259.6	7268.7	7307.2	7334.3	7320.8	7309.4	7304.9	7327.5	7264.2	7187.2	7169.1
32.5°	7635.4	7667.1	7701.1	7759.9	7712.4	7692.0	7687.5	7703.3	7630.9	7544.9	7520.0
35°	8038.3	8061.0	8124.4	8174.2	8131.2	8083.6	8104.0	8153.8	8067.8	7952.3	7947.8
37.5°	8484.3	8504.7	8586.2	8638.2	8606.5	8525.0	8559.0	8617.8	8531.8	8389.2	8359.8
40°	8948.3	8991.4	9093.2	9147.5	9095.5	8986.8	9050.2	9113.6	9036.6	8871.4	8805.7
42.5°	9469.0	9536.9	9684.0	9711.2	9611.6	9464.5	9575.4	9677.2	9622.9	9432.8	9407.9
45°	10077.9	10118.7	10299.8	10358.6	10220.5	10037.2	10175.3	10360.9	10320.1	10100.6	10053.0
47.5°	10759.3	10797.8	10985.7	11073.9	10899.6	10652.9	10901.9	11144.1	11119.2	10883.8	10861.2
50°	11565.2	11574.2	11834.5	11934.1	11759.8	11547.1	11768.9	12070.0	11970.4	11669.3	11664.8
52.5°	12448.0	12459.3	12787.6	12980.0	12882.6	12642.7	12905.3	13088.6	12835.1	12441.2	12411.8
55°	13213.1	13269.7	13717.9	14229.5	14363.1	14188.8	14268.0	14182.0	13557.2	13004.9	12918.8
57.5°	13525.5	13636.4	14317.8	15273.1	16142.3	16400.4	15789.2	14969.7	13844.7	13063.7	12980.0
60°	12762.7	12882.6	13939.8	15753.0	17971.4	19091.9	17373.8	15103.3	13190.5	12092.6	11961.3
62.5°	10220.5	10254.5	11809.6	14623.4	19037.6	21939.6	18041.6	13964.7	11286.7	9795.0	9742.9
64°	7354.7	7703.3	9351.3	12821.5	18571.3	23023.9	17656.7	12368.8	9167.9	7658.0	7413.6
65°	5500.8	5595.8	7538.1	10949.4	17749.5	22942.4	16909.7	10843.0	7592.4	5860.7	5589.0
67.5°	2078.1	2089.4	2782.1	5457.7	12635.9	19739.3	12905.3	5899.2	3198.6	2313.5	2229.7
70°	862.5	878.3	1020.9	1835.8	5430.6	12674.4	6222.9	2127.9	1170.3	948.5	934.9
72.5°	631.6	640.6	683.6	814.9	1670.6	5204.2	2046.4	903.2	685.9	613.5	606.7
75°	495.7	500.3	532.0	599.9	778.7	1442.0	851.1	620.2	522.9	470.8	466.3
77.5°	378.0	389.4	412.0	457.3	522.9	683.6	563.7	464.1	402.9	359.9	353.1
80°	260.3	273.9	316.9	335.0	350.9	443.7	384.8	350.9	314.7	262.6	246.7
82.5°	160.7	169.8	212.8	228.6	221.8	249.0	246.7	251.3	224.1	163.0	151.7
85°	83.8	88.3	115.4	120.0	110.9	101.9	126.8	147.1	138.1	92.8	90.5
87.5°	18.1	20.4	24.9	22.6	24.9	24.9	31.7	47.5	49.8	31.7	29.4
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)