

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: P316731

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-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: 43157 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

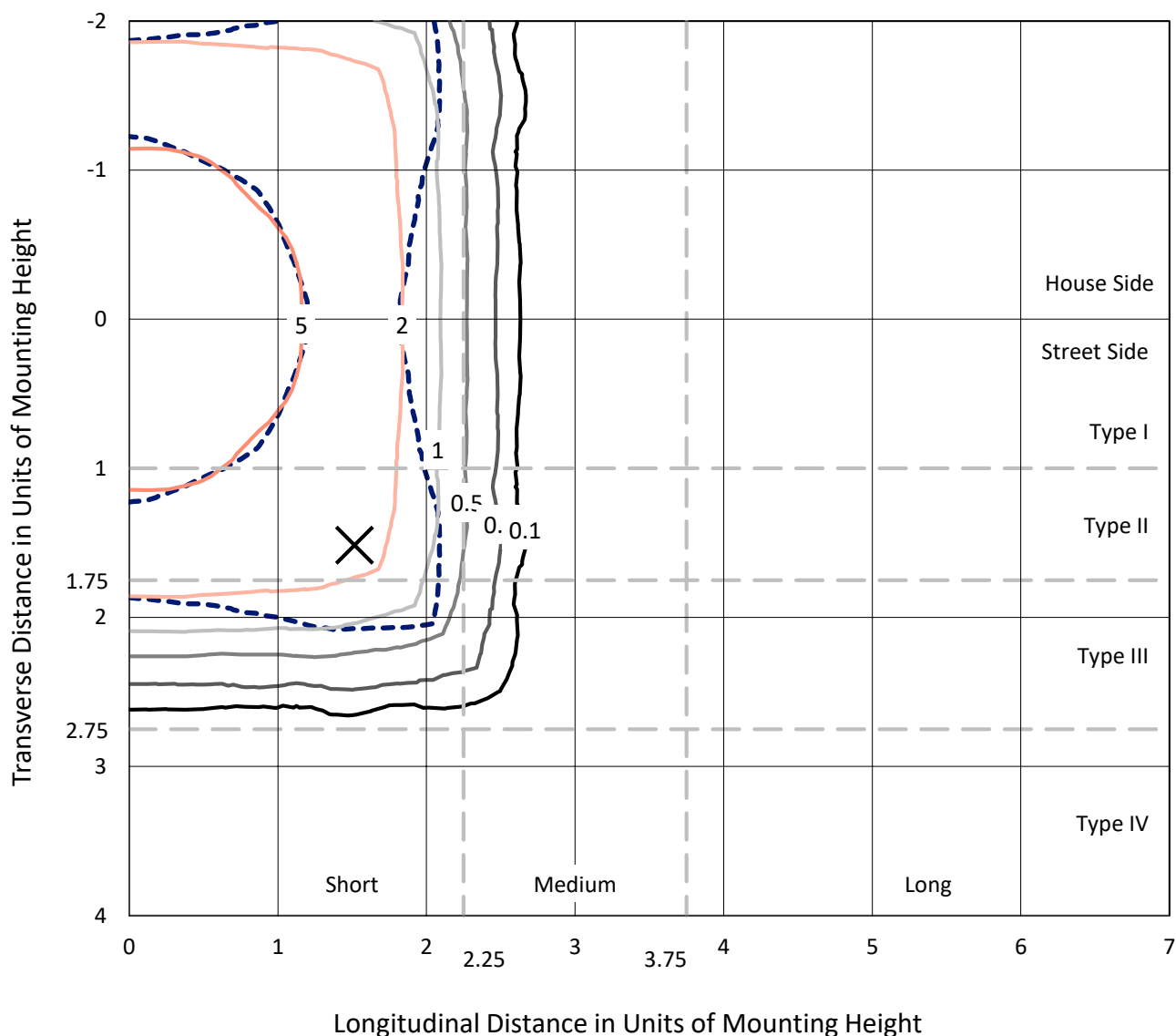
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

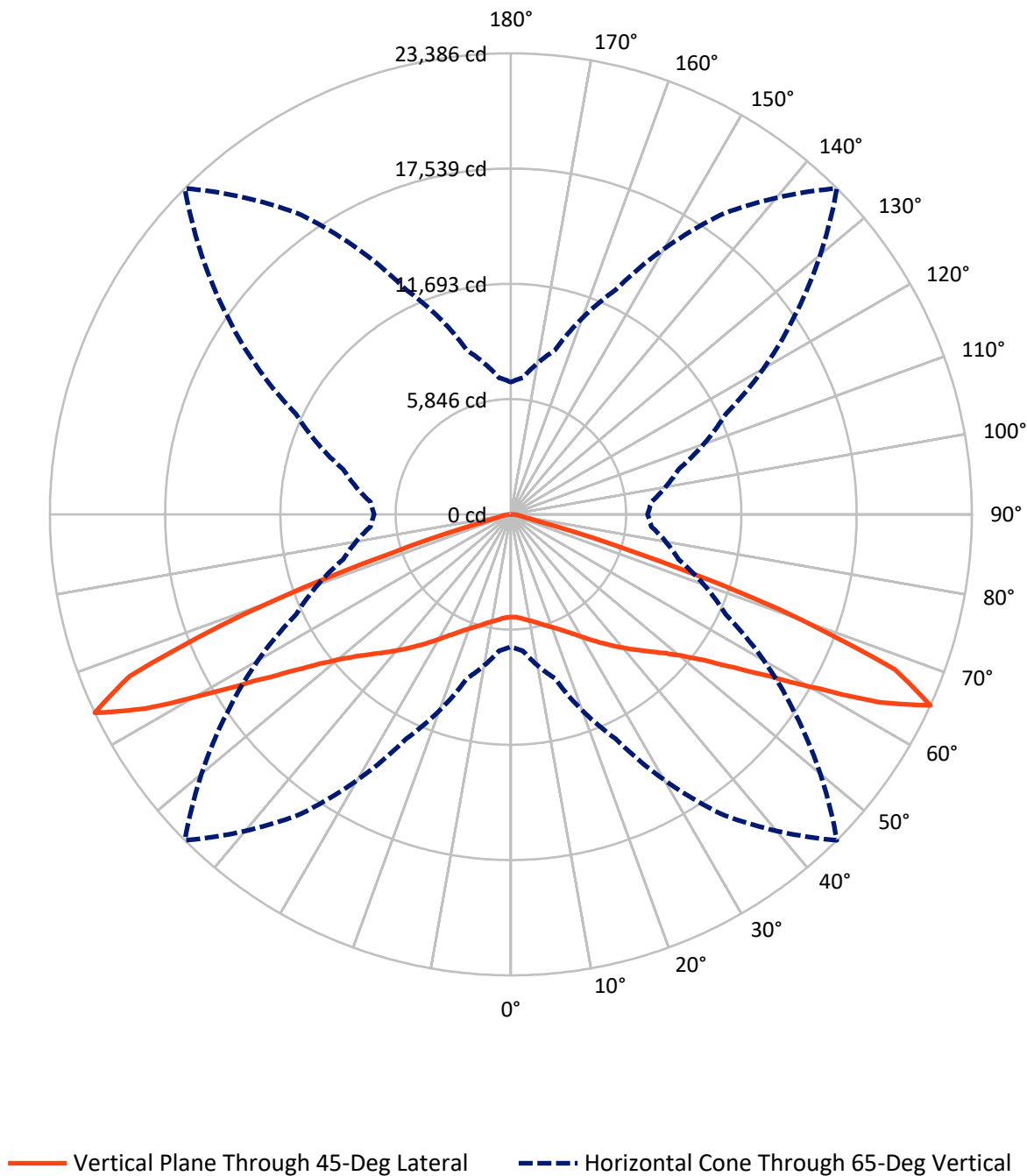
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	21578.5	0.0	21578.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21578.5	0.0	21578.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43157.0	0.0	43157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.3	1.2
10°-20°	1643.6	3.8
20°-30°	3083.7	7.1
30°-40°	5099.8	11.8
40°-50°	7898.9	18.3
50°-60°	12114.7	28.1
60°-70°	11304.4	26.2
70°-80°	1315.7	3.0
80°-90°	184.9	0.4
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°	43157.0	100.0
0°-180°	43157.0	100.0

Coefficient of Utilization



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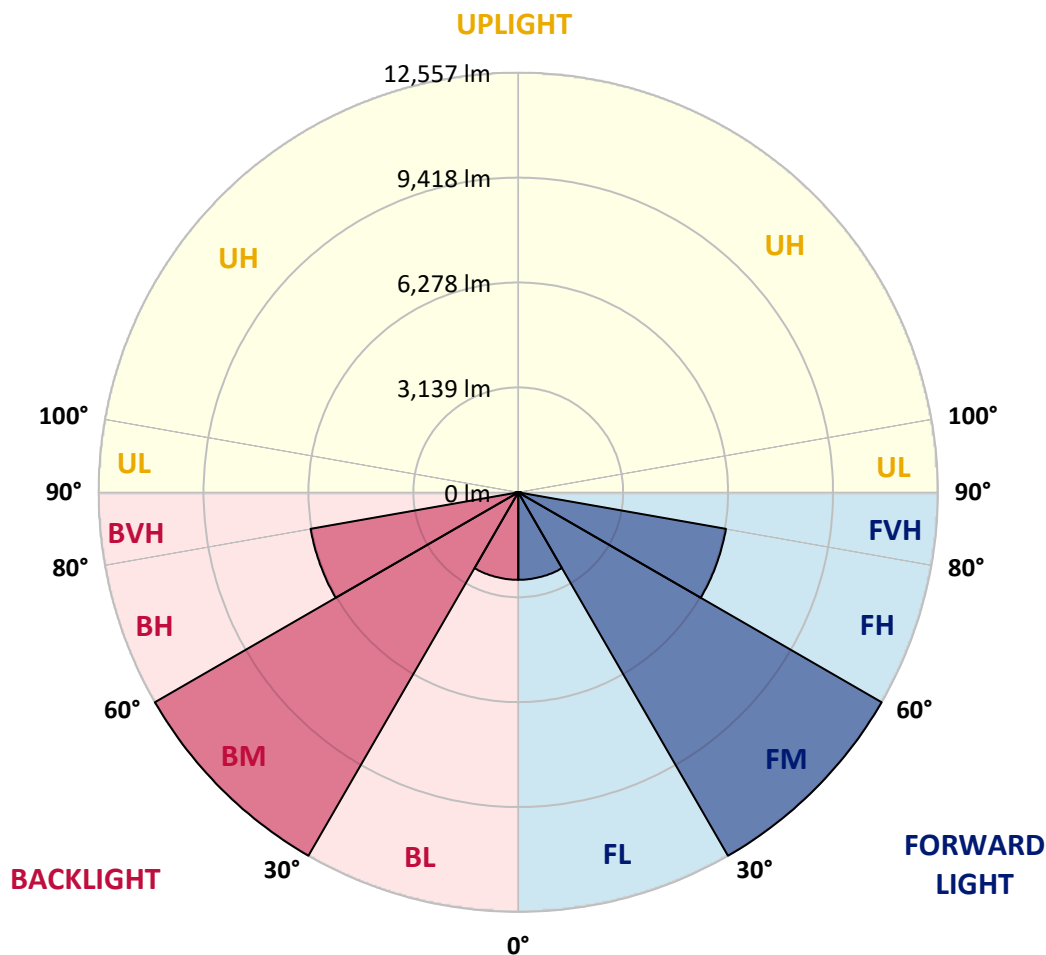
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2619.3	6.1			
FM	(30°-60°)	12556.7	29.1			
FH	(60°-80°)	6310.0	14.6			G3/7500
FVH	(80°-90°)	92.4	0.2			G1/100
BL	(0°-30°)	2619.3	6.1	B4/5000		
BM	(30°-60°)	12556.7	29.1	B5		
BH	(60°-80°)	6310.0	14.6	B5		G3/7500
BVH	(80°-90°)	92.4	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°	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8	5211.8
2.5°	5228.9	5226.1	5228.9	5230.4	5221.8	5226.1	5224.6	5231.8	5234.7	5231.8	5231.8
5°	5289.1	5284.8	5290.5	5297.7	5286.2	5289.1	5284.8	5293.4	5296.3	5290.5	5294.8
7.5°	5372.2	5373.6	5379.4	5392.3	5385.1	5390.8	5382.2	5383.7	5382.2	5373.6	5375.1
10°	5462.5	5463.9	5473.9	5491.1	5494.0	5494.0	5488.2	5483.9	5478.2	5472.5	5473.9
12.5°	5571.3	5578.5	5585.7	5607.1	5607.1	5618.6	5615.7	5604.3	5594.3	5585.7	5585.7
15°	5718.9	5717.5	5726.1	5747.5	5757.6	5776.2	5776.2	5760.4	5747.5	5738.9	5736.1
17.5°	5873.6	5877.9	5883.6	5909.4	5925.2	5946.7	5949.5	5936.6	5928.0	5916.6	5909.4
20°	6054.1	6061.3	6084.2	6094.2	6108.6	6128.6	6135.8	6132.9	6124.3	6118.6	6120.0
22.5°	6264.7	6283.3	6297.7	6312.0	6329.2	6343.5	6350.7	6360.7	6352.1	6347.8	6344.9
25°	6519.7	6532.6	6561.3	6587.0	6598.5	6602.8	6611.4	6625.7	6624.3	6614.3	6614.3
27.5°	6809.1	6833.4	6869.3	6906.5	6906.5	6892.2	6920.8	6945.2	6936.6	6923.7	6906.5
30°	7160.1	7183.0	7224.5	7276.1	7250.3	7240.3	7279.0	7323.4	7310.5	7289.0	7286.1
32.5°	7538.3	7559.8	7614.2	7670.1	7637.1	7622.8	7664.3	7728.8	7705.9	7662.9	7637.1
35°	7948.0	7969.5	8046.8	8114.2	8058.3	8034.0	8068.3	8138.5	8098.4	8018.2	7998.1
37.5°	8393.5	8405.0	8505.3	8574.0	8535.4	8470.9	8513.9	8565.4	8531.1	8433.6	8395.0
40°	8856.3	8897.8	9013.8	9094.1	9026.7	8925.0	8996.7	9068.3	9016.7	8892.1	8826.2
42.5°	9396.3	9427.9	9582.6	9654.2	9545.3	9402.1	9499.5	9596.9	9545.3	9425.0	9367.7
45°	9957.9	10006.6	10191.4	10263.1	10105.5	9923.5	10042.4	10212.9	10208.6	10035.3	9975.1
47.5°	10569.6	10618.3	10839.0	10933.5	10763.0	10519.5	10687.1	10927.8	10910.6	10720.1	10671.3
50°	11275.9	11327.5	11602.5	11721.4	11562.4	11278.8	11530.9	11742.9	11711.4	11476.5	11480.8
52.5°	12162.7	12159.8	12502.2	12708.5	12545.2	12294.5	12526.5	12732.8	12602.5	12277.3	12267.2
55°	12939.1	12986.4	13410.5	13801.6	13791.5	13695.5	13788.7	13797.3	13424.8	12992.1	12939.1
57.5°	13449.1	13539.4	14136.8	14844.5	15374.5	15502.0	15321.5	14774.3	13901.8	13209.9	13125.4
60°	13135.4	13272.9	14211.3	15653.9	17215.4	17964.7	16946.1	15248.5	13530.8	12566.7	12452.1
62.5°	11018.0	11250.1	12624.0	15262.8	18799.8	20990.3	18123.7	14487.8	12055.2	10727.2	10531.0
65°	6710.2	6955.2	8611.3	12562.4	18543.4	23385.6	17586.4	12025.1	8799.0	7147.2	6935.2
67.5°	2236.3	2307.9	3283.5	6943.8	14573.7	21011.8	14598.1	7198.8	3829.3	2538.5	2464.1
70°	875.3	882.5	1041.5	2012.8	6882.2	14431.9	7594.1	2048.6	1088.8	861.0	879.6
72.5°	643.2	646.1	690.5	840.9	1793.6	6357.8	1858.1	845.2	671.9	603.1	603.1
75°	517.2	517.2	548.7	613.1	803.7	1458.4	815.1	606.0	525.8	481.3	475.6
77.5°	408.3	416.9	441.2	482.8	544.4	702.0	564.4	479.9	424.0	382.5	373.9
80°	303.7	312.3	352.4	372.5	391.1	487.1	416.9	375.3	335.2	286.5	277.9
82.5°	199.1	207.7	257.9	269.3	265.0	318.0	280.8	276.5	246.4	184.8	176.2
85°	130.4	133.2	171.9	179.1	164.7	144.7	179.1	189.1	171.9	120.3	116.0
87.5°	61.6	61.6	87.4	81.7	74.5	60.2	81.7	96.0	97.4	58.7	57.3
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)