

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: P317060

Luminaire Tested: **GAN-SA6D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39671 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

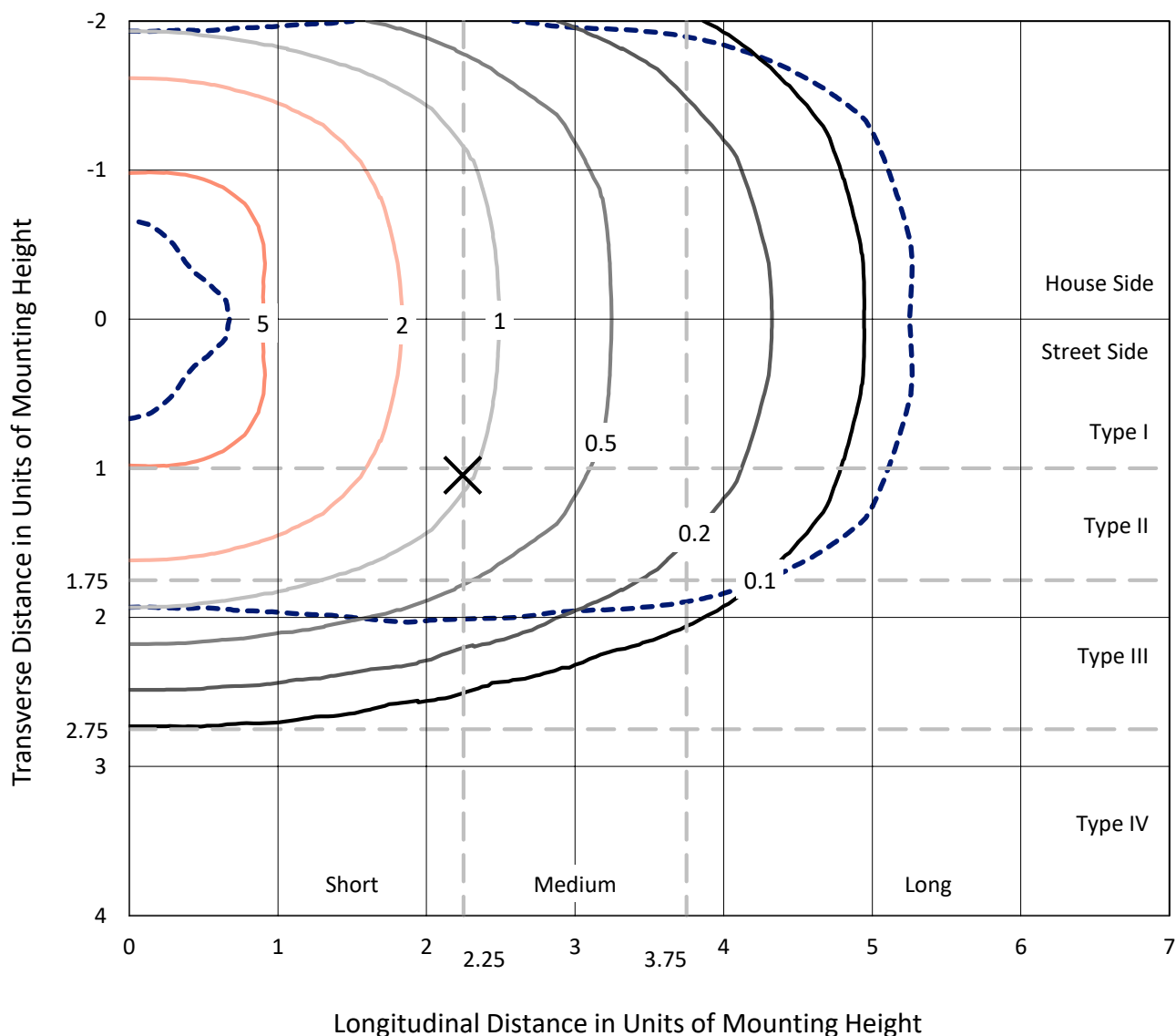
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

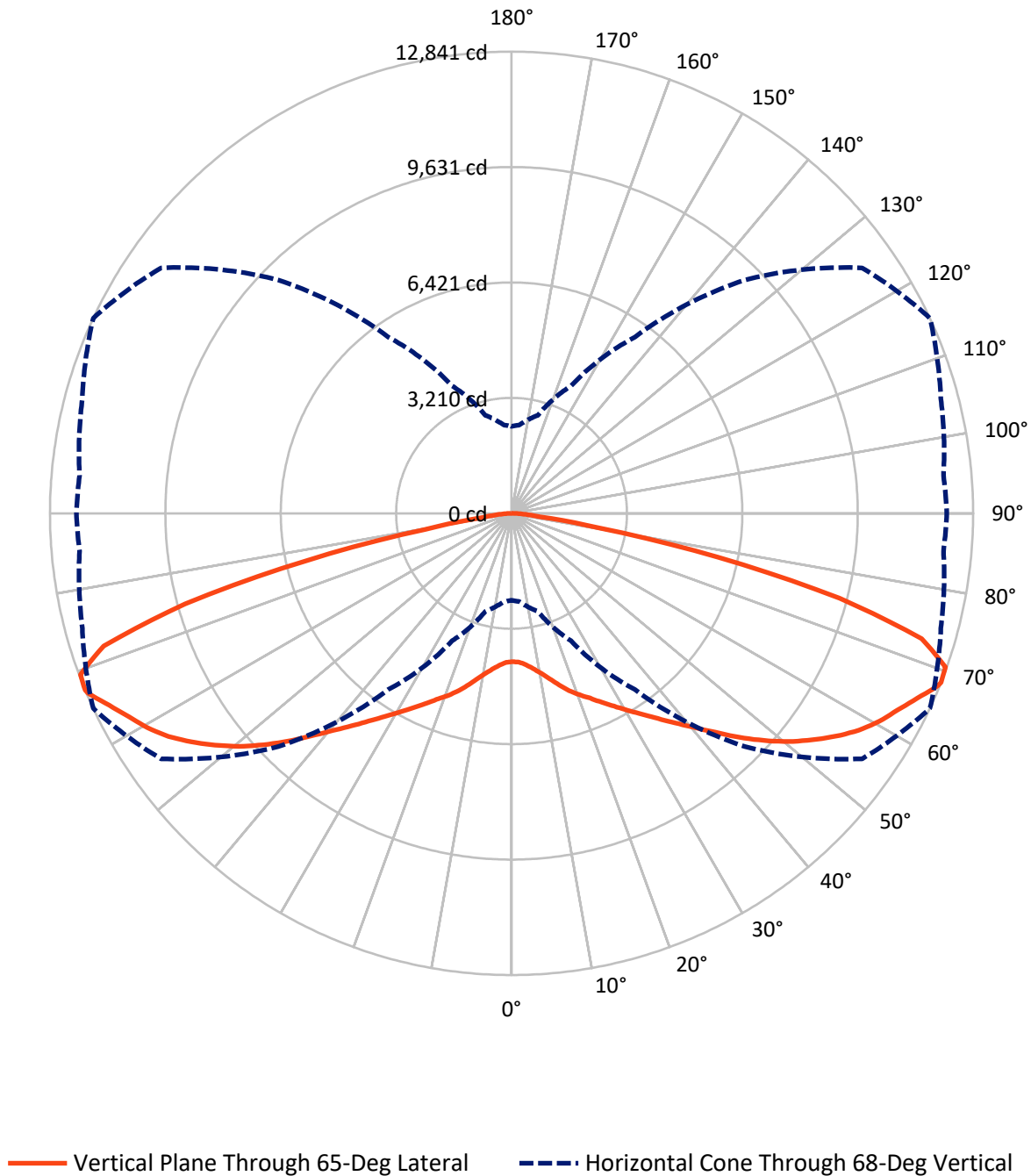
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19835.5	0.0	19835.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19835.5	0.0	19835.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39671.0	0.0	39671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.8	1.0
10°-20°	1352.3	3.4
20°-30°	2636.6	6.6
30°-40°	4429.2	11.2
40°-50°	6978.9	17.6
50°-60°	9333.1	23.5
60°-70°	9072.9	22.9
70°-80°	4959.7	12.5
80°-90°	504.4	1.3
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°	39671.0	100.0
0°-180°	39671.0	100.0

Coefficient of Utilization



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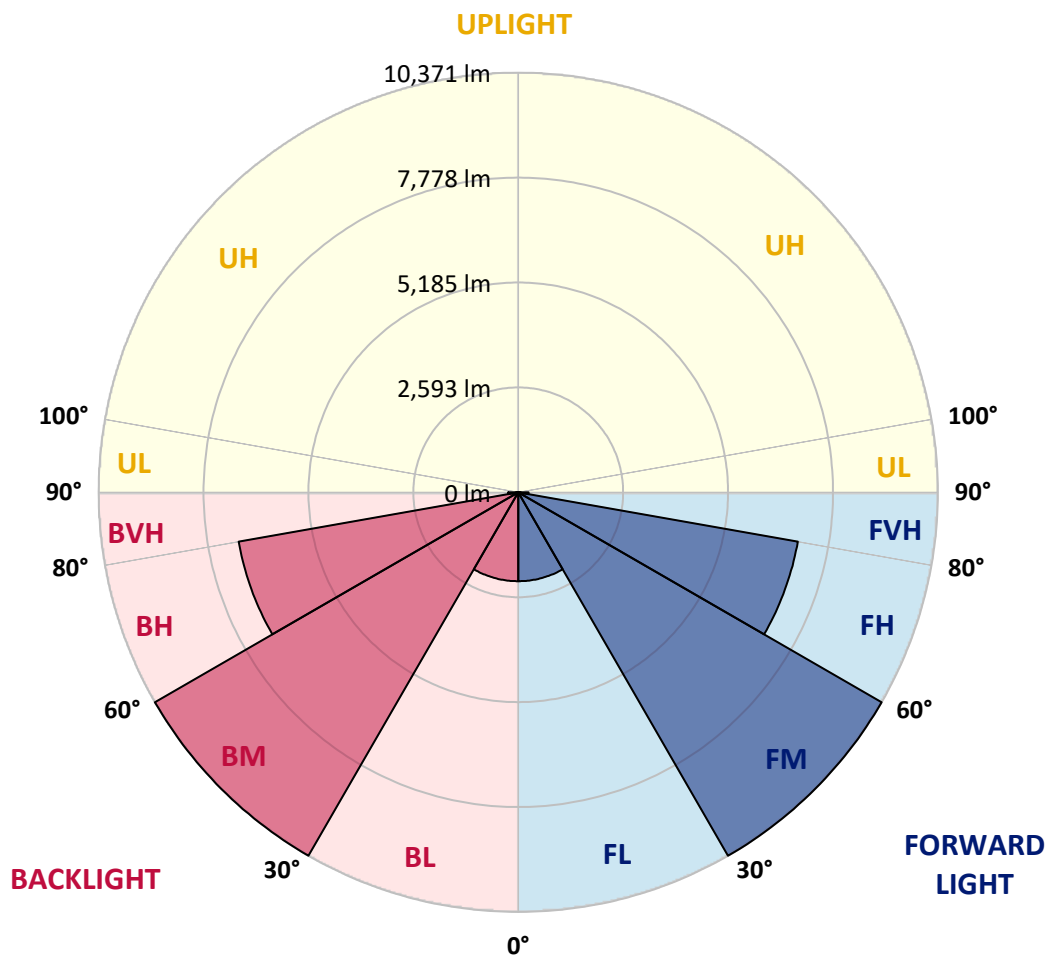
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2196.3	5.5			
FM	(30°-60°)	10370.6	26.1			
FH	(60°-80°)	7016.3	17.7			G3/7500
FVH	(80°-90°)	252.2	0.6			G3/500
BL	(0°-30°)	2196.3	5.5	B3/2500		
BM	(30°-60°)	10370.6	26.1	B5		
BH	(60°-80°)	7016.3	17.7	B5		G5
BVH	(80°-90°)	252.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9	4124.9
2.5°	4095.6	4096.9	4103.6	4111.5	4118.2	4135.5	4139.5	4146.1	4148.8	4155.4	4155.4
5°	4059.7	4062.3	4078.3	4099.6	4123.5	4166.1	4196.7	4231.3	4248.6	4267.2	4265.8
7.5°	4055.7	4062.3	4084.9	4119.5	4159.4	4229.9	4293.8	4363.0	4409.5	4452.1	4449.4
10°	4096.9	4107.6	4139.5	4191.4	4251.2	4339.0	4433.4	4526.6	4607.7	4672.9	4675.5
12.5°	4159.4	4172.7	4223.3	4301.8	4392.2	4505.3	4617.0	4722.1	4833.8	4930.9	4938.9
15°	4241.9	4259.2	4335.0	4452.1	4590.4	4724.8	4844.5	4952.2	5081.2	5215.6	5228.9
17.5°	4364.3	4388.2	4488.0	4646.3	4828.5	4976.2	5101.2	5182.3	5290.1	5428.4	5453.7
20°	4550.5	4581.1	4707.5	4896.3	5118.5	5272.8	5368.6	5385.8	5439.1	5562.8	5592.0
22.5°	4792.6	4819.2	4960.2	5185.0	5433.7	5601.3	5651.9	5582.7	5577.4	5677.2	5705.1
25°	5062.6	5086.6	5250.2	5502.9	5770.3	5955.2	5953.8	5819.5	5726.4	5803.5	5832.8
27.5°	5365.9	5403.1	5560.1	5826.1	6112.1	6294.4	6283.7	6076.2	5899.3	5919.2	5944.5
30°	5714.4	5755.6	5908.6	6178.6	6464.6	6642.9	6629.6	6355.5	6089.5	6036.3	6054.9
32.5°	6146.7	6195.9	6340.9	6606.9	6859.7	7020.6	6982.1	6658.8	6318.3	6202.6	6219.9
35°	6666.8	6696.1	6849.0	7111.1	7315.9	7426.3	7345.2	7010.0	6608.3	6468.6	6468.6
37.5°	7193.5	7216.2	7387.8	7641.8	7840.0	7898.5	7740.2	7394.4	6987.4	6789.2	6793.2
40°	7699.0	7760.2	7953.1	8213.8	8409.3	8425.3	8215.1	7833.4	7409.0	7204.2	7228.1
42.5°	8227.1	8286.9	8517.1	8812.4	8985.3	9011.9	8765.8	8325.5	7885.2	7719.0	7745.6
45°	8698.0	8745.9	9011.9	9355.1	9570.6	9639.7	9348.4	8889.5	8400.0	8237.7	8244.4
47.5°	9026.5	9089.0	9381.7	9786.0	10100.0	10206.4	9920.4	9438.9	8906.8	8709.9	8727.2
50°	9324.5	9357.7	9654.4	10096.0	10495.0	10714.5	10469.8	9981.6	9418.9	9210.1	9228.7
52.5°	9490.7	9533.3	9820.6	10280.9	10753.1	11106.9	10957.9	10469.8	9913.7	9710.2	9732.8
55°	9375.0	9406.9	9751.5	10322.1	10912.7	11349.0	11371.6	10947.3	10399.3	10221.0	10284.9
57.5°	8848.3	8888.2	9308.5	10056.1	10932.6	11512.6	11682.9	11390.2	10852.8	10707.9	10745.1
60°	8024.9	8050.2	8498.4	9339.1	10544.2	11580.4	11881.1	11752.0	11297.1	11152.1	11202.7
62.5°	6557.7	6595.0	7131.0	8257.7	9723.5	11379.6	12072.6	12051.3	11710.8	11577.8	11623.0
65°	4482.7	4547.8	5141.1	6565.7	8458.5	10765.0	12246.9	12399.8	12076.6	11909.0	11968.9
67.5°	2706.9	2754.8	3184.4	4335.0	6472.6	9525.3	12067.3	12796.2	12334.6	12064.6	12113.8
68°	2419.6	2463.5	2822.6	3912.0	5987.1	9175.5	11903.7	12841.4	12362.6	12062.0	12105.9
70°	1461.9	1491.1	1731.9	2418.2	3991.8	7278.7	10787.7	12804.2	12540.8	12099.2	12124.5
72.5°	952.4	961.7	1001.6	1241.0	2039.1	4070.3	8096.7	11931.6	12808.2	12316.0	12312.0
75°	791.4	786.1	790.1	818.1	1005.6	1785.1	4731.4	9425.6	12209.6	11974.2	11890.4
77.5°	669.1	665.1	663.8	665.1	673.1	861.9	2053.8	5871.4	9343.1	10592.1	10666.6
80°	541.4	536.1	553.3	545.4	521.4	536.1	860.6	2442.2	4404.2	4738.1	4440.1
82.5°	393.7	373.8	448.3	427.0	407.0	377.8	474.9	788.8	1050.8	721.0	506.8
85°	303.3	282.0	340.5	327.2	279.3	192.9	282.0	385.7	425.7	243.4	191.5
87.5°	123.7	130.4	246.1	194.2	163.6	93.1	115.7	154.3	207.5	103.8	79.8
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)