

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: P316739

Luminaire Tested: **GAN-SA5D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316739
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-SA5D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33452 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

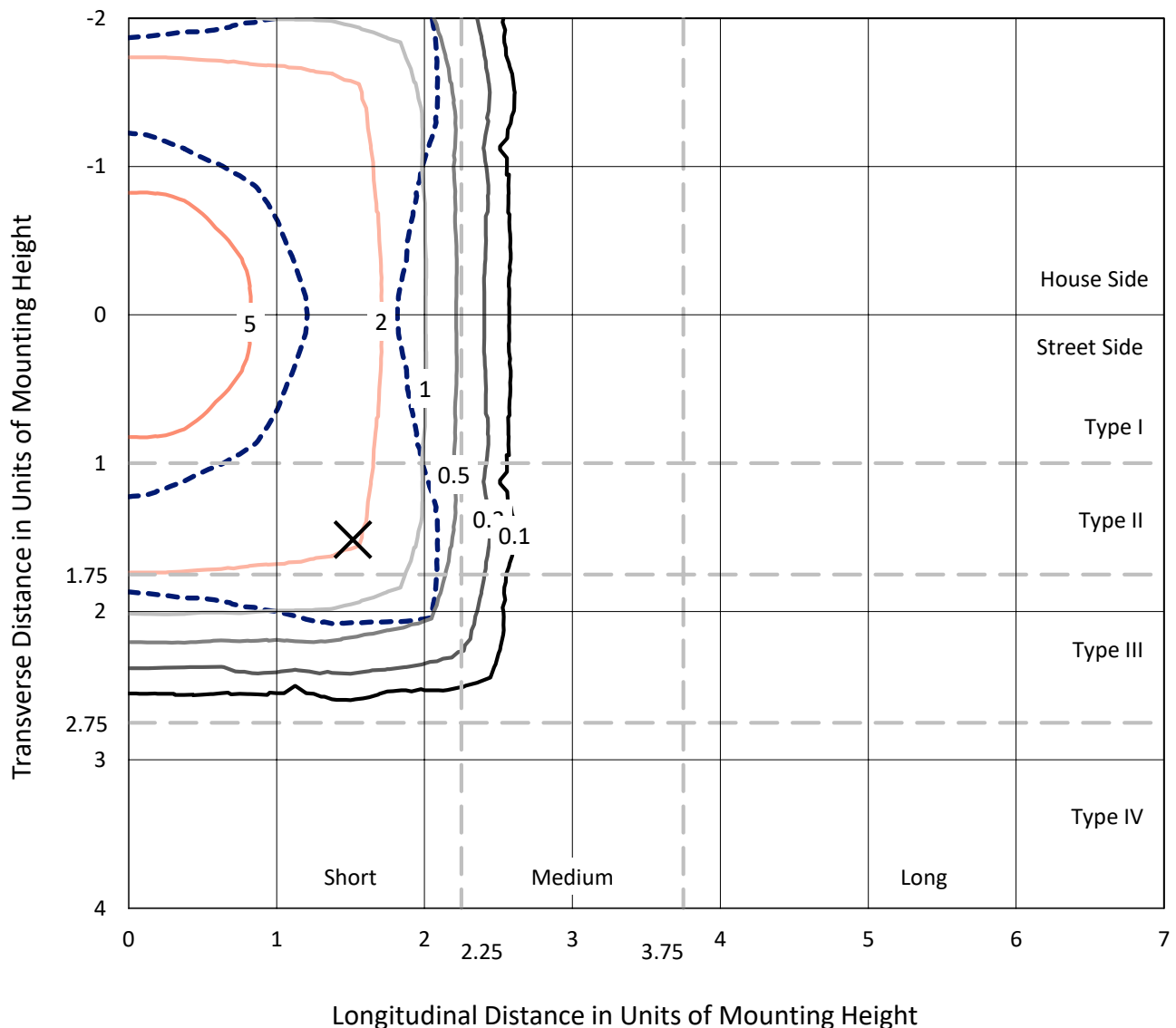
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

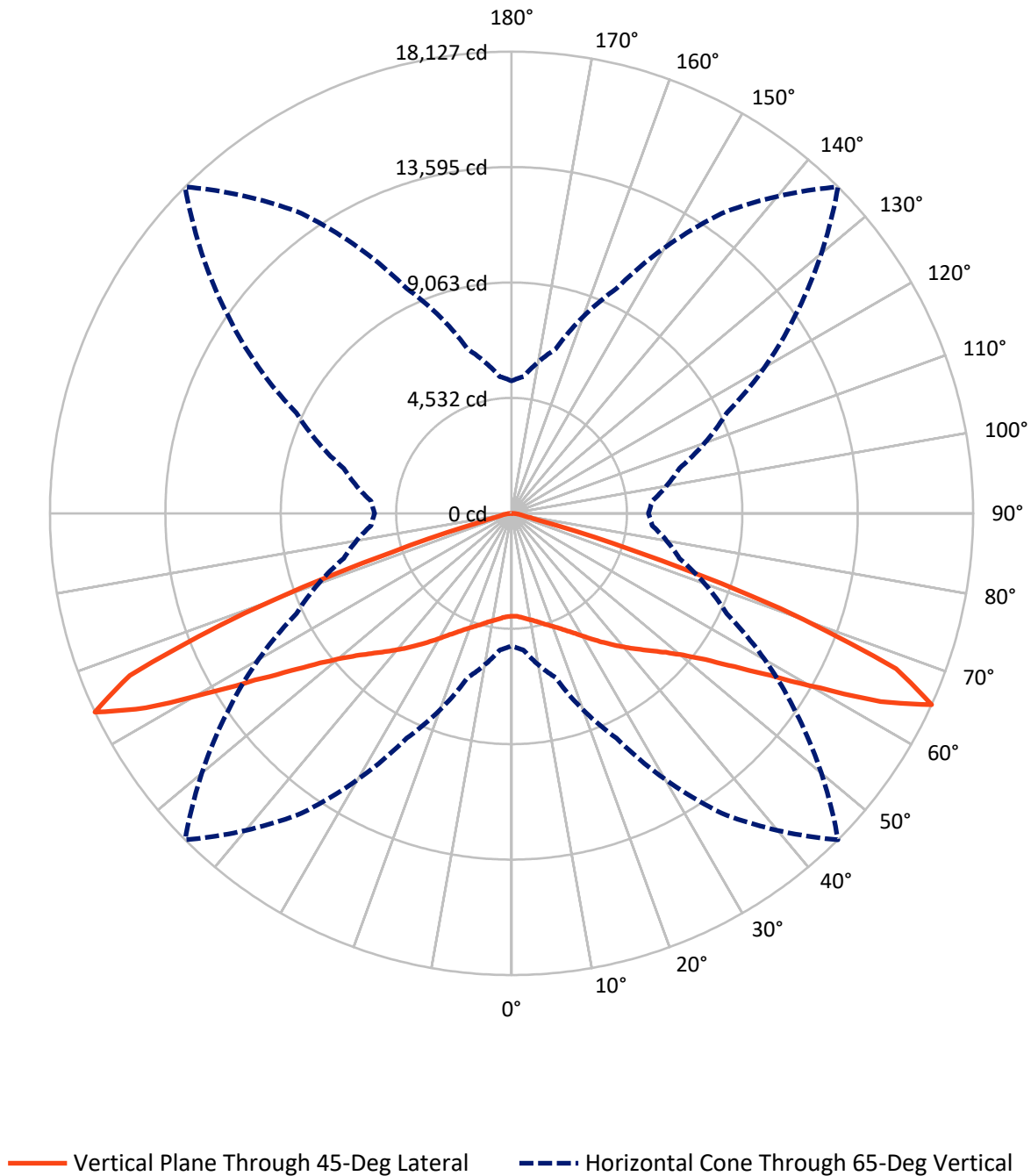
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	16726.0	0.0	16726.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16726.0	0.0	16726.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33452.0	0.0	33452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.3	1.2
10°-20°	1274.0	3.8
20°-30°	2390.2	7.1
30°-40°	3953.0	11.8
40°-50°	6122.6	18.3
50°-60°	9390.4	28.1
60°-70°	8762.3	26.2
70°-80°	1019.8	3.0
80°-90°	143.3	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°	33452.0	100.0
0°-180°	33452.0	100.0

Coefficient of Utilization



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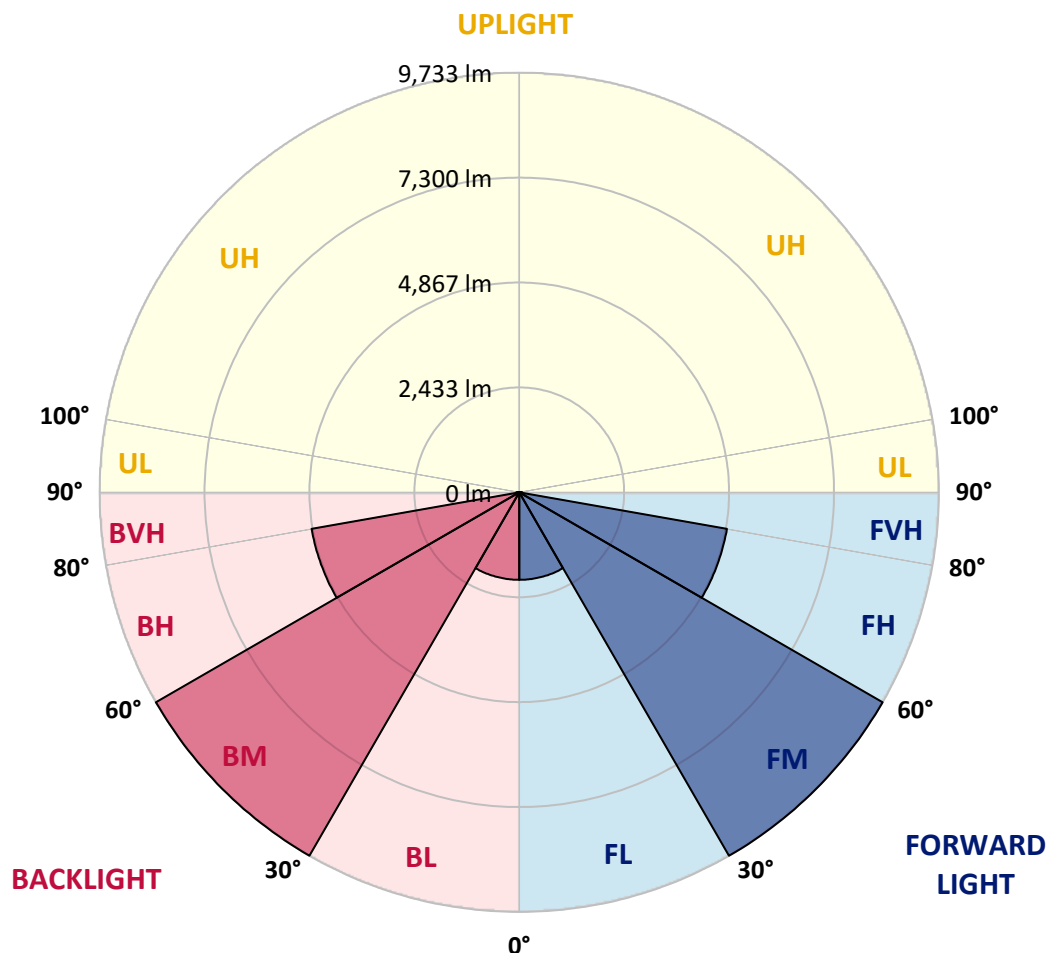
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2030.3	6.1			
FM	(30°-60°)	9733.0	29.1			
FH	(60°-80°)	4891.1	14.6			G2/5000
FVH	(80°-90°)	71.6	0.2			G1/100
BL	(0°-30°)	2030.3	6.1	B3/2500		
BM	(30°-60°)	9733.0	29.1	B5		
BH	(60°-80°)	4891.1	14.6	B4/5000		G2/5000
BVH	(80°-90°)	71.6	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8	4039.8
2.5°	4053.1	4050.9	4053.1	4054.2	4047.5	4050.9	4049.7	4055.3	4057.5	4055.3	4055.3
5°	4099.7	4096.4	4100.8	4106.4	4097.5	4099.7	4096.4	4103.0	4105.3	4100.8	4104.2
7.5°	4164.1	4165.2	4169.7	4179.7	4174.1	4178.6	4171.9	4173.0	4171.9	4165.2	4166.3
10°	4234.1	4235.2	4243.0	4256.3	4258.5	4258.5	4254.1	4250.7	4246.3	4241.9	4243.0
12.5°	4318.5	4324.0	4329.6	4346.2	4346.2	4355.1	4352.9	4344.0	4336.2	4329.6	4329.6
15°	4432.8	4431.7	4438.4	4455.1	4462.8	4477.3	4477.3	4465.0	4455.1	4448.4	4446.2
17.5°	4552.8	4556.1	4560.5	4580.5	4592.7	4609.4	4611.6	4601.6	4595.0	4586.1	4580.5
20°	4692.7	4698.2	4716.0	4723.8	4734.9	4750.4	4756.0	4753.8	4747.1	4742.7	4743.8
22.5°	4855.9	4870.4	4881.5	4892.6	4905.9	4917.0	4922.5	4930.3	4923.7	4920.3	4918.1
25°	5053.6	5063.6	5085.8	5105.8	5114.7	5118.0	5124.6	5135.7	5134.6	5126.9	5126.9
27.5°	5277.9	5296.8	5324.5	5353.4	5353.4	5342.3	5364.5	5383.4	5376.7	5366.7	5353.4
30°	5549.9	5567.7	5599.9	5639.9	5619.9	5612.1	5642.1	5676.5	5666.5	5649.9	5647.7
32.5°	5843.1	5859.8	5901.9	5945.3	5919.7	5908.6	5940.8	5990.8	5973.0	5939.7	5919.7
35°	6160.7	6177.3	6237.3	6289.5	6246.2	6227.3	6254.0	6308.4	6277.3	6215.1	6199.5
37.5°	6506.0	6514.9	6592.6	6645.9	6616.0	6566.0	6599.3	6639.3	6612.6	6537.1	6507.1
40°	6864.7	6896.9	6986.8	7049.0	6996.8	6918.0	6973.5	7029.0	6989.1	6892.5	6841.4
42.5°	7283.3	7307.8	7427.7	7483.2	7398.8	7287.8	7363.3	7438.8	7398.8	7305.5	7261.1
45°	7718.6	7756.4	7899.6	7955.1	7833.0	7692.0	7784.1	7916.3	7912.9	7778.6	7731.9
47.5°	8192.8	8230.5	8401.5	8474.8	8342.7	8153.9	8283.8	8470.4	8457.1	8309.4	8271.6
50°	8740.2	8780.2	8993.4	9085.6	8962.3	8742.4	8937.9	9102.2	9077.8	8895.7	8899.0
52.5°	9427.6	9425.3	9690.7	9850.6	9724.1	9529.7	9709.6	9869.5	9768.5	9516.4	9508.6
55°	10029.4	10066.1	10394.8	10697.9	10690.1	10615.7	10687.9	10694.6	10405.9	10070.5	10029.4
57.5°	10424.7	10494.7	10957.7	11506.3	11917.2	12016.0	11876.1	11451.9	10775.6	10239.3	10173.8
60°	10181.6	10288.2	11015.5	12133.7	13344.1	13924.8	13135.3	11819.4	10488.0	9740.7	9651.9
62.5°	8540.3	8720.2	9785.1	11830.5	14572.2	16270.1	14048.1	11229.8	9344.3	8314.9	8162.8
65°	5201.3	5391.1	6674.8	9737.4	14373.4	18126.7	13631.7	9321.0	6820.3	5539.9	5375.6
67.5°	1733.4	1788.9	2545.1	5382.3	11296.4	16286.7	11315.3	5579.9	2968.2	1967.7	1909.9
70°	678.5	684.0	807.3	1560.2	5334.5	11186.5	5886.4	1587.9	843.9	667.4	681.8
72.5°	498.6	500.8	535.2	651.8	1390.3	4928.1	1440.2	655.2	520.8	467.5	467.5
75°	400.9	400.9	425.3	475.3	623.0	1130.4	631.8	469.7	407.5	373.1	368.7
77.5°	316.5	323.1	342.0	374.2	422.0	544.1	437.5	372.0	328.7	296.5	289.8
80°	235.4	242.1	273.2	288.7	303.1	377.5	323.1	290.9	259.8	222.1	215.4
82.5°	154.4	161.0	199.9	208.8	205.4	246.5	217.6	214.3	191.0	143.2	136.6
85°	101.0	103.3	133.3	138.8	127.7	112.2	138.8	146.6	133.3	93.3	89.9
87.5°	47.7	47.7	67.7	63.3	57.7	46.6	63.3	74.4	75.5	45.5	44.4
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)