

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: P316720

Luminaire Tested: **GAN-SA6B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316720
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-SA6B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29485 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

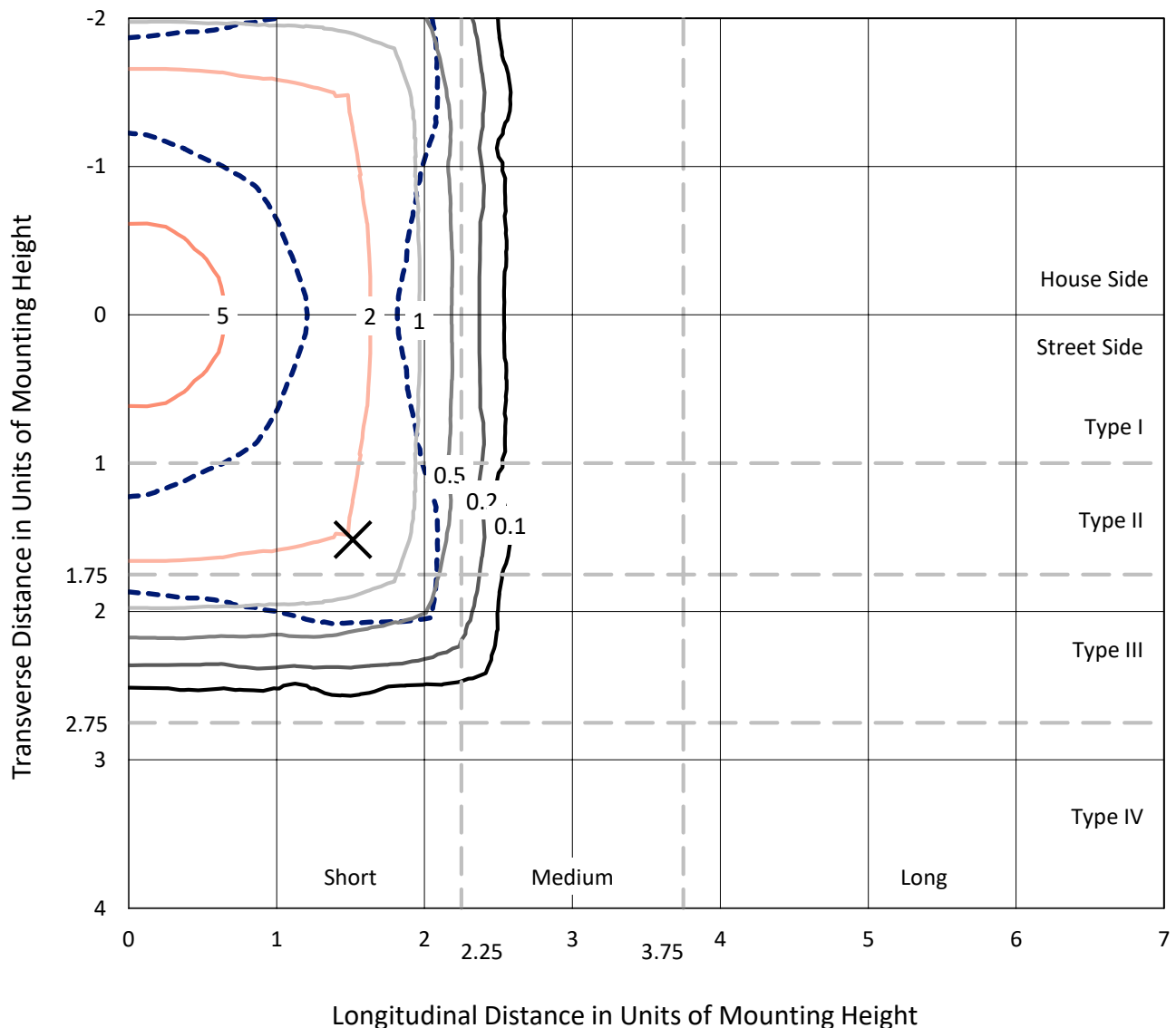
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

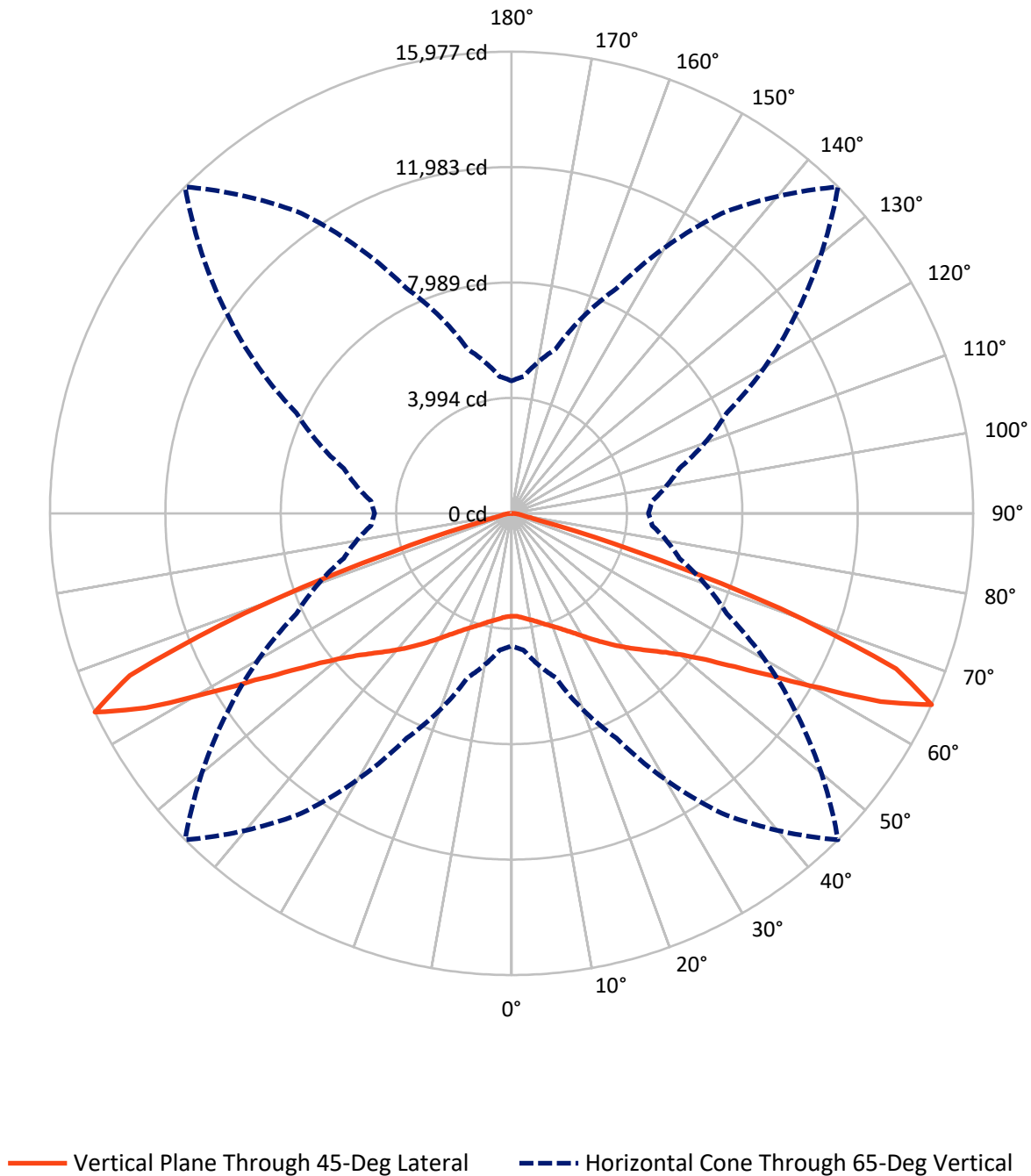
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	14742.5	0.0	14742.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14742.5	0.0	14742.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29485.0	0.0	29485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.3	1.2
10°-20°	1122.9	3.8
20°-30°	2106.8	7.1
30°-40°	3484.2	11.8
40°-50°	5396.6	18.3
50°-60°	8276.8	28.1
60°-70°	7723.2	26.2
70°-80°	898.9	3.0
80°-90°	126.3	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°	29485.0	100.0
0°-180°	29485.0	100.0

Coefficient of Utilization



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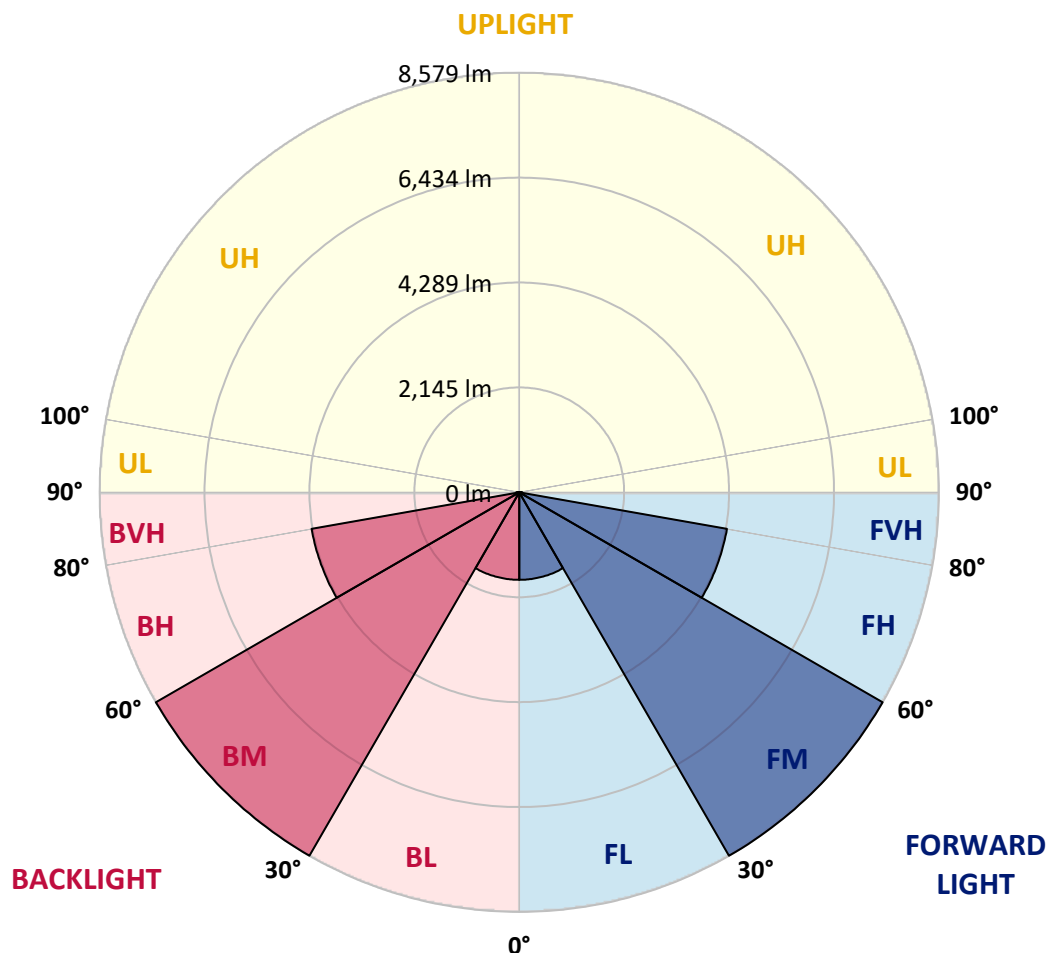
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1789.5	6.1			
FM	(30°-60°)	8578.8	29.1			
FH	(60°-80°)	4311.0	14.6			G2/5000
FVH	(80°-90°)	63.2	0.2			G1/100
BL	(0°-30°)	1789.5	6.1	B3/2500		
BM	(30°-60°)	8578.8	29.1	B5		
BH	(60°-80°)	4311.0	14.6	B4/5000		G2/5000
BVH	(80°-90°)	63.2	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°	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7
2.5°	3572.4	3570.5	3572.4	3573.4	3567.5	3570.5	3569.5	3574.4	3576.3	3574.4	3574.4
5°	3613.5	3610.6	3614.5	3619.4	3611.6	3613.5	3610.6	3616.5	3618.4	3614.5	3617.5
7.5°	3670.3	3671.3	3675.2	3684.0	3679.1	3683.0	3677.2	3678.1	3677.2	3671.3	3672.3
10°	3732.0	3732.9	3739.8	3751.5	3753.5	3753.5	3749.6	3746.6	3742.7	3738.8	3739.8
12.5°	3806.4	3811.2	3816.1	3830.8	3830.8	3838.7	3836.7	3828.9	3822.0	3816.1	3816.1
15°	3907.2	3906.2	3912.1	3926.7	3933.6	3946.3	3946.3	3935.5	3926.7	3920.9	3918.9
17.5°	4012.9	4015.8	4019.7	4037.3	4048.1	4062.8	4064.7	4055.9	4050.1	4042.2	4037.3
20°	4136.2	4141.1	4156.7	4163.6	4173.4	4187.1	4192.0	4190.0	4184.1	4180.2	4181.2
22.5°	4280.1	4292.8	4302.6	4312.4	4324.1	4333.9	4338.8	4345.6	4339.8	4336.8	4334.9
25°	4454.3	4463.1	4482.7	4500.3	4508.1	4511.1	4516.9	4526.7	4525.7	4518.9	4518.9
27.5°	4652.0	4668.6	4693.1	4718.5	4718.5	4708.8	4728.3	4745.0	4739.1	4730.3	4718.5
30°	4891.8	4907.4	4935.8	4971.1	4953.4	4946.6	4973.0	5003.4	4994.6	4979.9	4977.9
32.5°	5150.2	5164.9	5202.0	5240.2	5217.7	5207.9	5236.3	5280.3	5264.7	5235.3	5217.7
35°	5430.1	5444.8	5497.6	5543.6	5505.5	5488.8	5512.3	5560.3	5532.9	5478.1	5464.4
37.5°	5734.5	5742.3	5810.8	5857.8	5831.4	5787.3	5816.7	5851.9	5828.4	5761.9	5735.5
40°	6050.6	6079.0	6158.3	6213.1	6167.1	6097.6	6146.5	6195.5	6160.2	6075.1	6030.1
42.5°	6419.6	6441.1	6546.8	6595.8	6521.4	6423.5	6490.1	6556.6	6521.4	6439.2	6400.0
45°	6803.3	6836.6	6962.8	7011.8	6904.1	6779.8	6861.0	6977.5	6974.6	6856.1	6815.0
47.5°	7221.2	7254.5	7405.2	7469.8	7353.3	7187.0	7301.5	7465.9	7454.1	7324.0	7290.7
50°	7703.7	7739.0	7926.9	8008.1	7899.5	7705.7	7877.9	8022.8	8001.3	7840.8	7843.7
52.5°	8309.6	8307.6	8541.5	8682.5	8570.9	8399.6	8558.2	8699.1	8610.1	8387.9	8381.0
55°	8840.1	8872.4	9162.1	9429.3	9422.4	9356.8	9420.5	9426.3	9171.9	8876.3	8840.1
57.5°	9188.5	9250.2	9658.3	10141.8	10503.9	10591.0	10467.7	10093.8	9497.8	9025.0	8967.3
60°	8974.1	9068.1	9709.2	10694.8	11761.6	12273.5	11577.6	10417.8	9244.3	8585.6	8507.3
62.5°	7527.6	7686.1	8624.7	10427.6	12844.1	14340.6	12382.1	9898.1	8236.2	7328.9	7194.8
65°	4584.5	4751.8	5883.3	8582.6	12668.9	15977.1	12015.1	8215.6	6011.5	4883.0	4738.1
67.5°	1527.8	1576.8	2243.3	4744.0	9956.8	14355.3	9973.4	4918.2	2616.2	1734.3	1683.4
70°	598.0	602.9	711.6	1375.1	4701.9	9859.9	5188.3	1399.6	743.8	588.2	601.0
72.5°	439.5	441.4	471.8	574.5	1225.4	4343.7	1269.4	577.5	459.0	412.1	412.1
75°	353.3	353.3	374.9	418.9	549.1	996.4	556.9	414.0	359.2	328.9	324.9
77.5°	278.9	284.8	301.5	329.8	371.9	479.6	385.6	327.9	289.7	261.3	255.5
80°	207.5	213.4	240.8	254.5	267.2	332.8	284.8	256.4	229.0	195.7	189.9
82.5°	136.0	141.9	176.2	184.0	181.1	217.3	191.8	188.9	168.3	126.3	120.4
85°	89.1	91.0	117.4	122.3	112.6	98.9	122.3	129.2	117.4	82.2	79.3
87.5°	42.1	42.1	59.7	55.8	50.9	41.1	55.8	65.6	66.6	40.1	39.1
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)