

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: P316570

Luminaire Tested: **GAN-SA6C-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44441 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

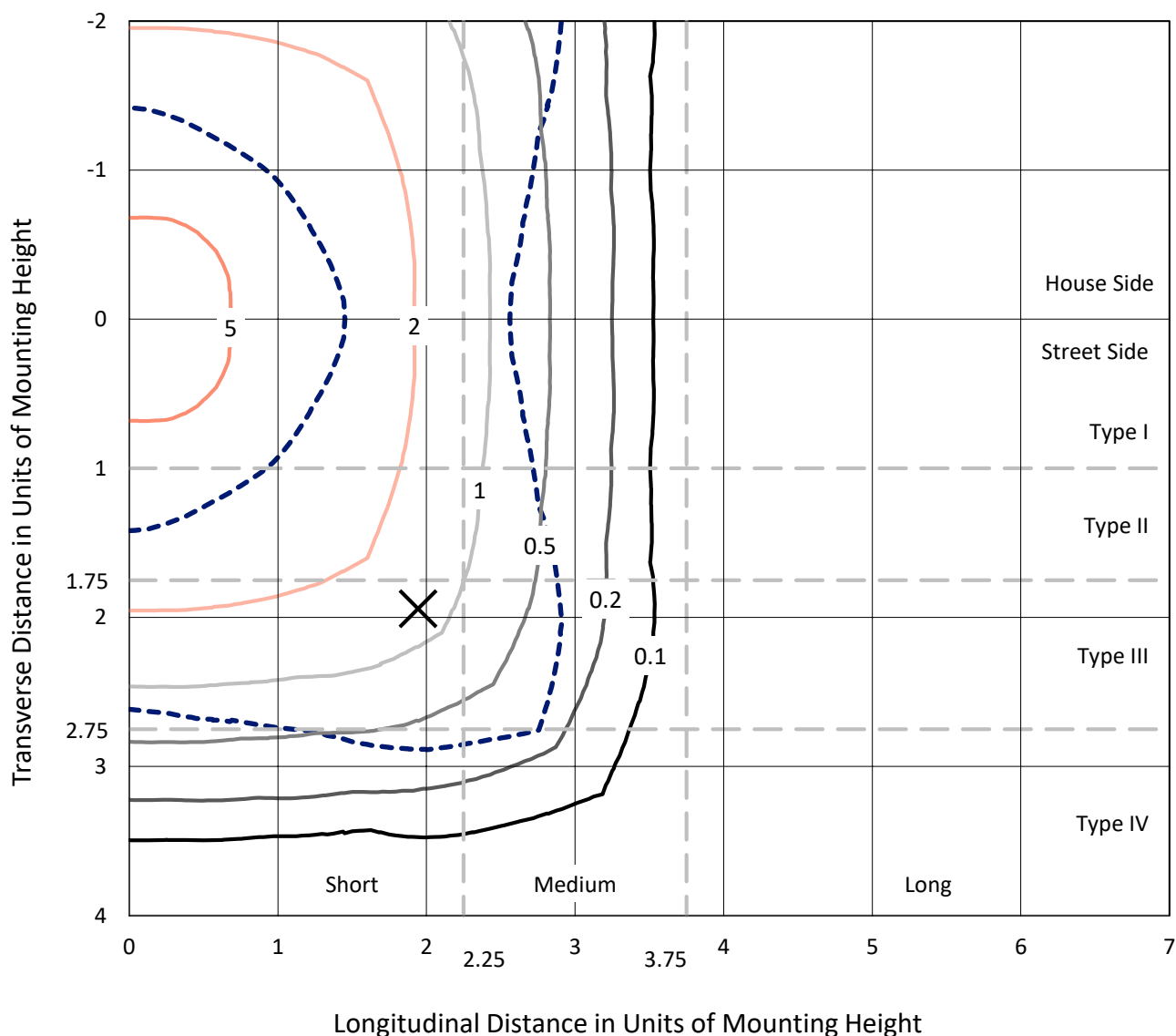
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

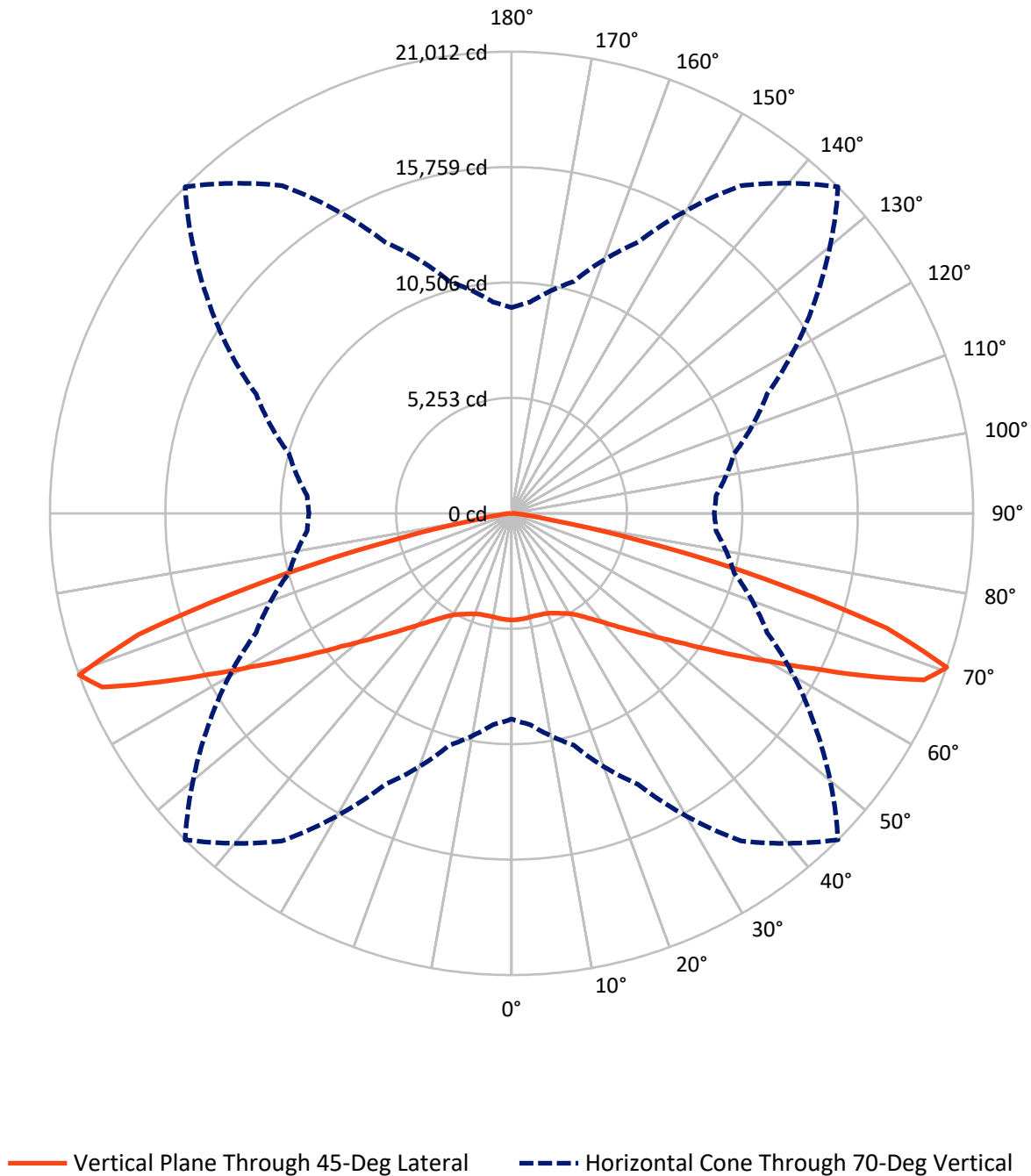
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	22220.5	0.0	22220.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22220.5	0.0	22220.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44441.0	0.0	44441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.7	1.0
10°-20°	1349.5	3.0
20°-30°	2297.3	5.2
30°-40°	3643.6	8.2
40°-50°	5929.2	13.3
50°-60°	9776.2	22.0
60°-70°	14351.7	32.3
70°-80°	6346.3	14.3
80°-90°	287.4	0.6
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°	44441.0	100.0
0°-180°	44441.0	100.0

Coefficient of Utilization



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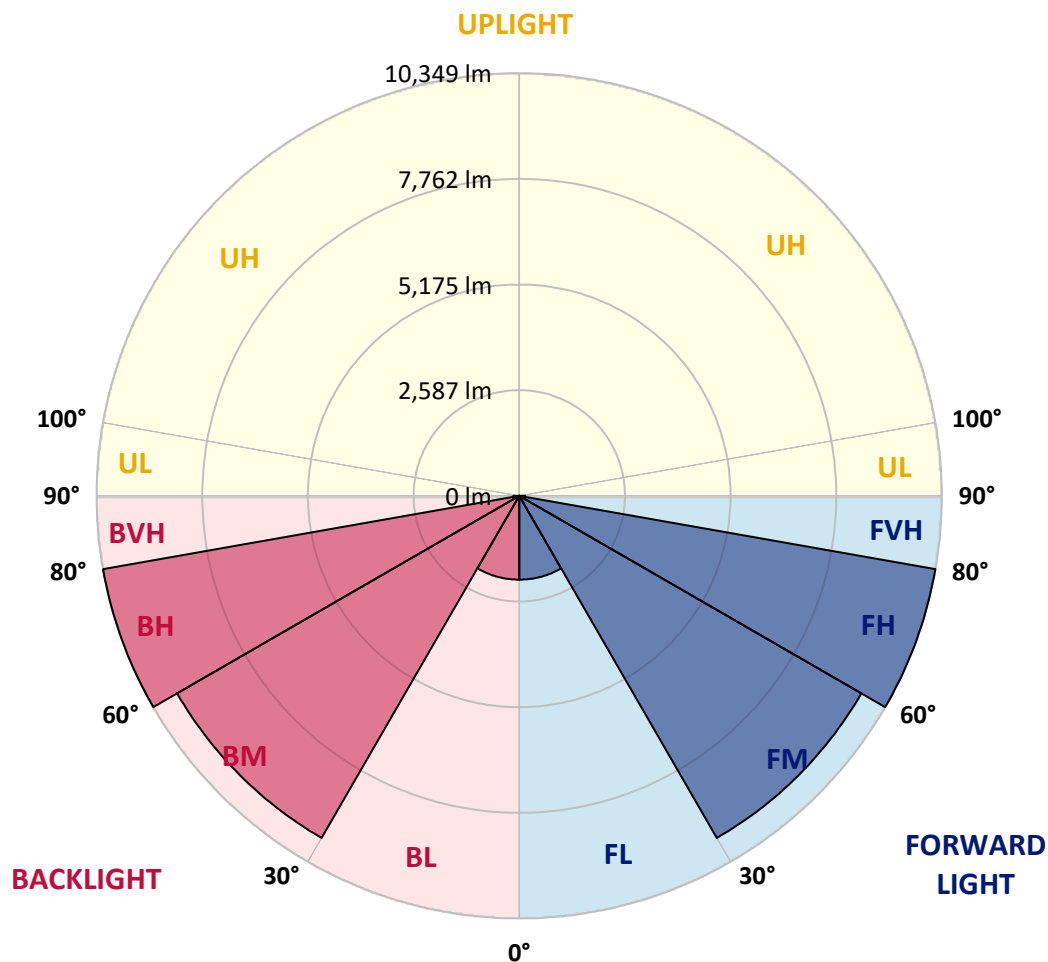
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2053.3	4.6			
FM	(30°-60°)	9674.5	21.8			
FH	(60°-80°)	10349.0	23.3			G4/12000
FVH	(80°-90°)	143.7	0.3			G2/225
BL	(0°-30°)	2053.3	4.6	B3/2500		
BM	(30°-60°)	9674.5	21.8	B5		
BH	(60°-80°)	10349.0	23.3	B5		G4/12000
BVH	(80°-90°)	143.7	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6	4853.6
2.5°	4846.3	4841.9	4852.2	4850.7	4841.9	4843.4	4843.4	4847.8	4847.8	4844.8	4844.8
5°	4828.6	4825.7	4837.5	4837.5	4828.6	4831.6	4834.5	4838.9	4837.5	4834.5	4833.1
7.5°	4806.6	4805.1	4816.9	4816.9	4811.0	4813.9	4811.0	4812.5	4809.5	4806.6	4802.2
10°	4769.8	4772.8	4783.1	4786.0	4786.0	4787.5	4784.5	4777.2	4772.8	4768.3	4763.9
12.5°	4736.0	4734.5	4749.2	4756.6	4768.3	4781.6	4772.8	4752.2	4743.3	4734.5	4731.6
15°	4713.9	4715.4	4730.1	4743.3	4763.9	4791.9	4781.6	4749.2	4731.6	4721.3	4718.3
17.5°	4709.5	4712.5	4731.6	4755.1	4777.2	4808.1	4802.2	4769.8	4740.4	4721.3	4716.9
20°	4719.8	4721.3	4750.7	4784.5	4822.8	4852.2	4838.9	4803.6	4763.9	4734.5	4727.2
22.5°	4738.9	4744.8	4781.6	4834.5	4893.4	4933.1	4916.9	4856.6	4794.8	4758.0	4747.8
25°	4799.2	4800.7	4850.7	4922.8	4993.4	5039.0	5019.8	4934.5	4855.1	4813.9	4800.7
27.5°	4924.2	4928.7	4978.7	5062.5	5122.8	5152.2	5140.5	5071.3	5003.7	4959.5	4964.0
30°	5105.2	5111.0	5166.9	5259.6	5296.4	5303.7	5300.8	5268.4	5206.6	5147.8	5152.2
32.5°	5325.8	5328.7	5403.7	5487.6	5517.0	5522.9	5517.0	5487.6	5414.0	5334.6	5339.0
35°	5609.6	5618.5	5690.5	5771.4	5795.0	5806.7	5796.4	5758.2	5681.7	5603.8	5600.8
37.5°	5959.7	5961.2	6036.2	6120.0	6149.4	6152.4	6140.6	6115.6	6020.0	5949.4	5945.0
40°	6365.6	6371.5	6459.8	6549.5	6561.3	6548.0	6564.2	6549.5	6450.9	6370.0	6383.3
42.5°	6859.8	6873.1	6979.0	7067.2	7033.4	7026.0	7036.3	7040.7	6961.3	6862.8	6853.9
45°	7434.9	7446.7	7579.0	7649.6	7627.6	7579.0	7599.6	7634.9	7524.6	7402.5	7414.3
47.5°	8090.9	8120.3	8261.5	8327.7	8273.3	8207.1	8246.8	8299.7	8170.3	8018.8	8011.5
50°	8820.4	8857.2	9045.4	9138.1	9083.7	8961.6	9027.8	9063.1	8876.3	8680.7	8664.5
52.5°	9598.5	9635.2	9872.0	10063.2	10027.9	9838.2	9930.9	9894.1	9679.4	9416.1	9395.5
55°	10479.5	10494.2	10750.1	11059.0	11094.3	10954.5	10948.7	10888.4	10570.7	10266.2	10251.5
57.5°	11385.5	11395.8	11726.7	12091.5	12257.7	12257.7	12092.9	11965.0	11542.9	11189.9	11153.1
60°	12363.6	12400.3	12766.6	13262.2	13650.5	13765.2	13474.0	13125.4	12666.6	12235.6	12193.0
62.5°	13234.3	13276.9	13837.3	14575.7	15199.3	15617.0	14905.1	14337.4	13502.0	12810.7	12729.8
65°	13344.6	13459.3	14275.6	15612.6	17008.4	17842.3	16477.4	15078.7	13556.4	12596.0	12513.6
67.5°	12187.1	12381.2	13484.3	15565.5	18449.7	20239.7	17482.0	14655.1	12579.8	11517.9	11426.7
70°	9364.6	9647.0	10919.2	13615.2	18201.2	21011.9	16852.5	12829.8	10488.3	9345.5	9217.5
72.5°	5137.5	5253.7	6398.0	9323.4	14591.8	17855.5	14056.5	9486.7	6955.4	5659.6	5444.9
75°	1629.6	1670.8	2253.3	3815.3	8254.1	11826.7	8929.2	4656.6	2563.6	1890.0	1867.9
77.5°	723.6	728.0	814.8	1113.4	2843.1	5992.1	3415.2	1267.8	873.7	763.3	788.4
80°	457.4	457.4	504.5	551.6	773.6	1740.0	923.7	603.0	514.8	478.0	488.3
82.5°	219.1	242.7	328.0	353.0	425.1	585.4	473.6	394.2	344.2	255.9	238.3
85°	144.1	120.6	207.4	233.9	247.1	280.9	275.0	260.3	225.0	128.0	142.7
87.5°	64.7	61.8	107.4	98.5	92.7	70.6	105.9	130.9	126.5	63.2	63.2
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)