

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: P316970

Luminaire Tested: **GAN-SA6C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316970
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-SA6C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 34676 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

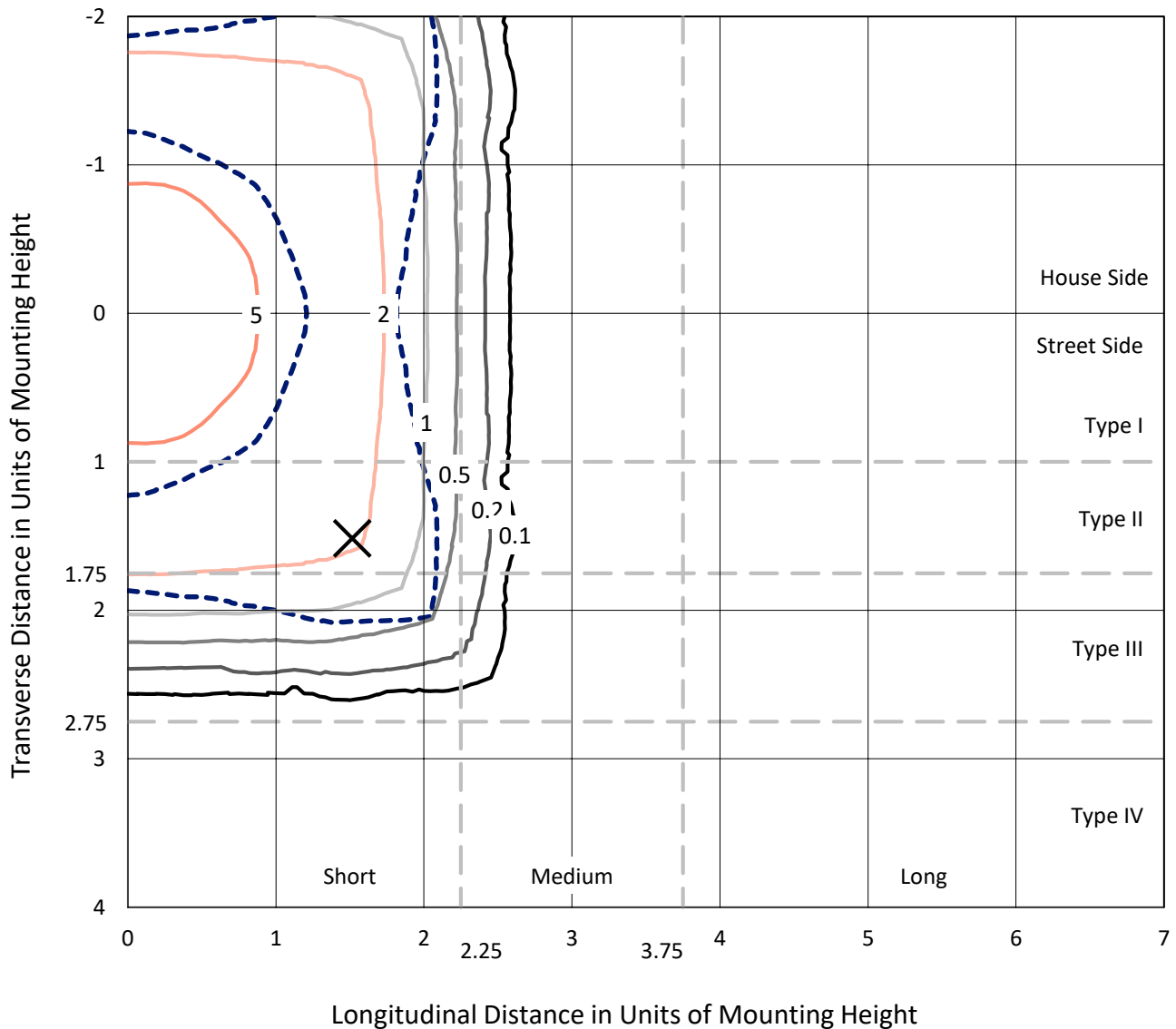
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

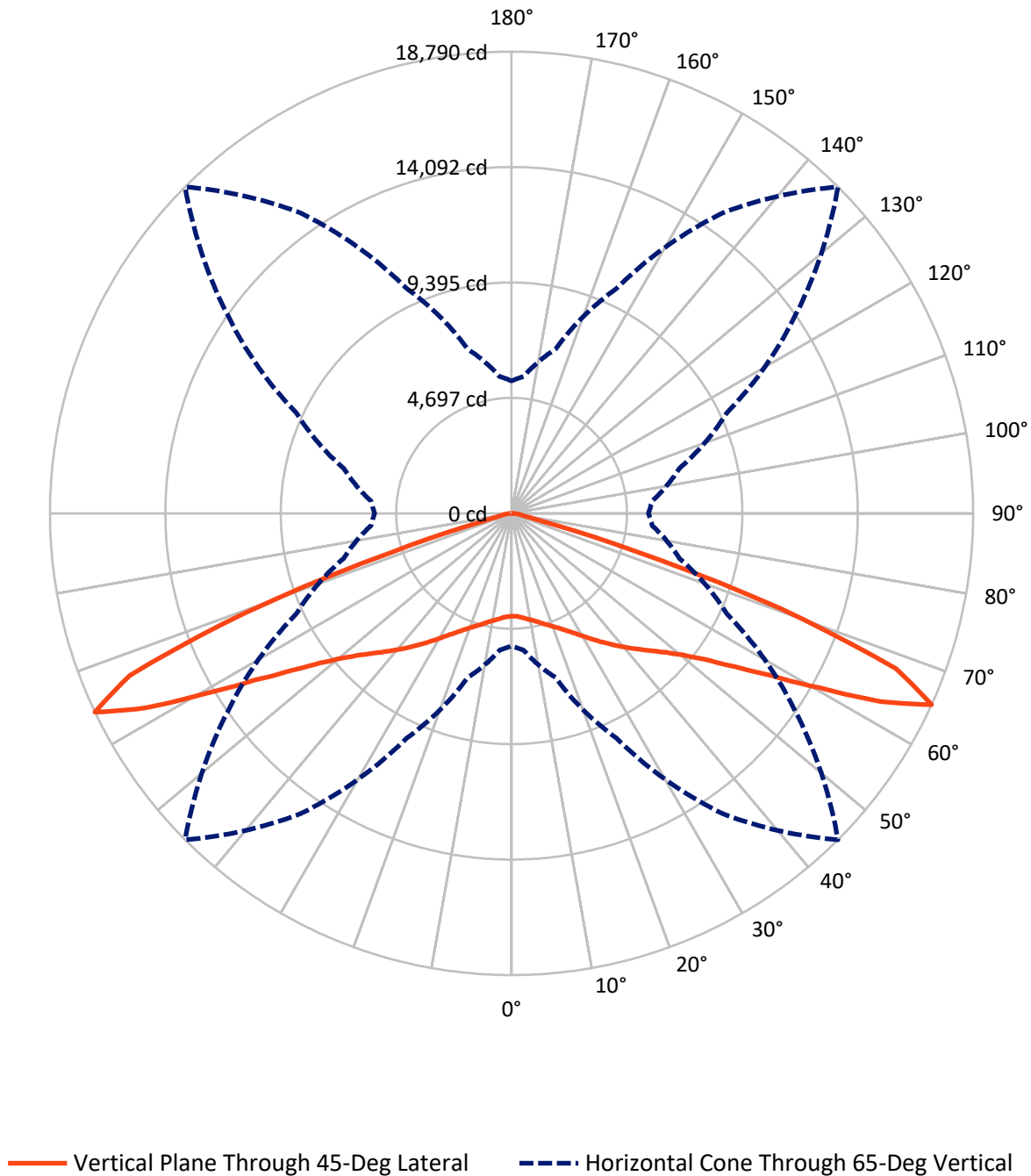
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	17338.0	0.0	17338.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17338.0	0.0	17338.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34676.0	0.0	34676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.8	1.2
10°-20°	1320.6	3.8
20°-30°	2477.7	7.1
30°-40°	4097.6	11.8
40°-50°	6346.7	18.3
50°-60°	9734.0	28.1
60°-70°	9082.9	26.2
70°-80°	1057.1	3.0
80°-90°	148.5	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°	34676.0	100.0
0°-180°	34676.0	100.0

Coefficient of Utilization



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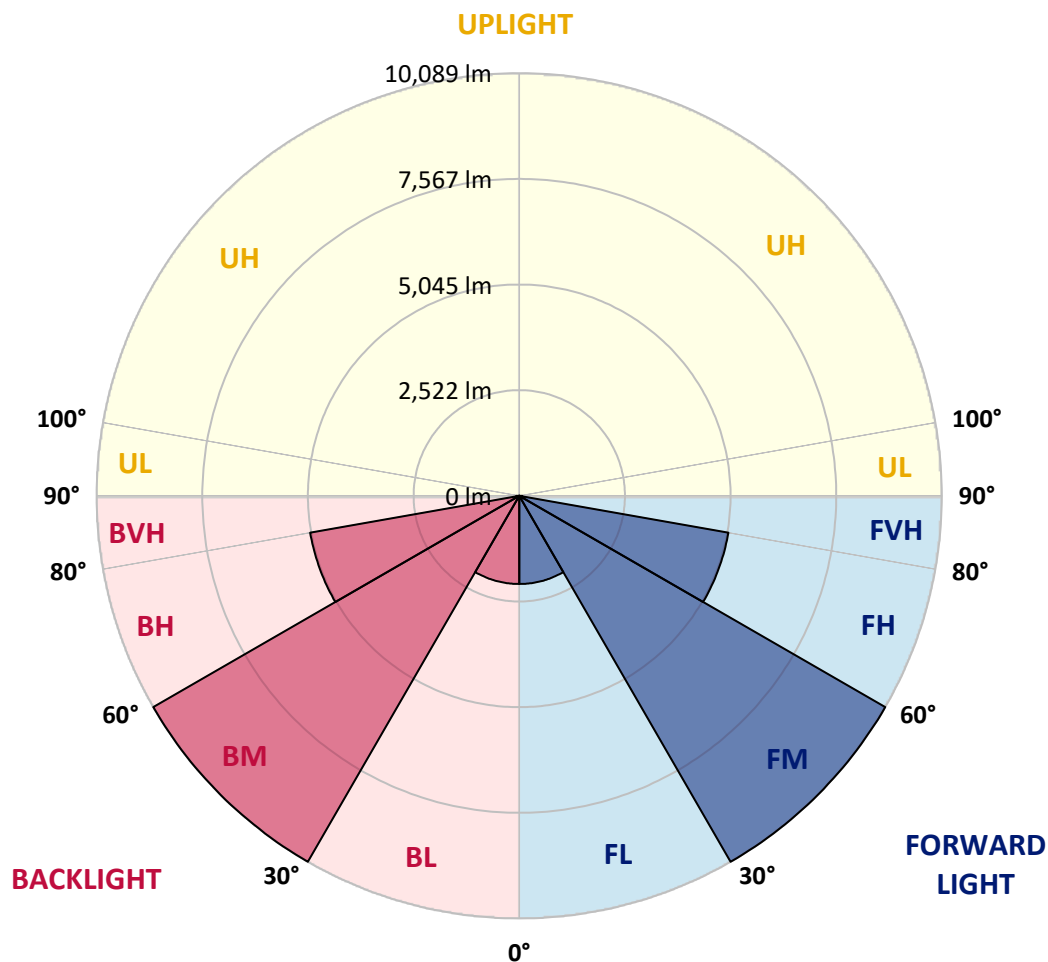
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2104.6	6.1			
FM	(30°-60°)	10089.1	29.1			
FH	(60°-80°)	5070.0	14.6			G3/7500
FVH	(80°-90°)	74.3	0.2			G1/100
BL	(0°-30°)	2104.6	6.1	B3/2500		
BM	(30°-60°)	10089.1	29.1	B5		
BH	(60°-80°)	5070.0	14.6	B5		G3/7500
BVH	(80°-90°)	74.3	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°	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6	4187.6
2.5°	4201.4	4199.1	4201.4	4202.5	4195.6	4199.1	4197.9	4203.7	4206.0	4203.7	4203.7
5°	4249.7	4246.3	4250.9	4256.6	4247.4	4249.7	4246.3	4253.2	4255.5	4250.9	4254.3
7.5°	4316.5	4317.6	4322.2	4332.6	4326.8	4331.4	4324.5	4325.7	4324.5	4317.6	4318.8
10°	4389.0	4390.2	4398.2	4412.0	4414.3	4414.3	4409.7	4406.3	4401.7	4397.1	4398.2
12.5°	4476.5	4482.2	4488.0	4505.3	4505.3	4514.5	4512.2	4503.0	4494.9	4488.0	4488.0
15°	4595.0	4593.9	4600.8	4618.1	4626.1	4641.1	4641.1	4628.4	4618.1	4611.2	4608.9
17.5°	4719.4	4722.8	4727.4	4748.1	4760.8	4778.1	4780.4	4770.0	4763.1	4753.9	4748.1
20°	4864.4	4870.1	4888.6	4896.6	4908.1	4924.2	4930.0	4927.7	4920.8	4916.2	4917.3
22.5°	5033.6	5048.6	5060.1	5071.6	5085.4	5096.9	5102.7	5110.7	5103.8	5100.4	5098.1
25°	5238.5	5248.8	5271.9	5292.6	5301.8	5305.2	5312.2	5323.7	5322.5	5314.5	5314.5
27.5°	5471.0	5490.6	5519.3	5549.3	5549.3	5537.8	5560.8	5580.4	5573.4	5563.1	5549.3
30°	5753.0	5771.4	5804.8	5846.2	5825.5	5817.5	5848.5	5884.2	5873.9	5856.6	5854.3
32.5°	6056.9	6074.2	6117.9	6162.8	6136.3	6124.8	6158.2	6210.0	6191.6	6157.0	6136.3
35°	6386.1	6403.4	6465.5	6519.6	6474.7	6455.2	6482.8	6539.2	6507.0	6442.5	6426.4
37.5°	6744.1	6753.3	6833.9	6889.1	6858.0	6806.2	6840.8	6882.2	6854.6	6776.3	6745.2
40°	7115.9	7149.3	7242.5	7306.9	7252.8	7171.1	7228.7	7286.2	7244.8	7144.6	7091.7
42.5°	7549.8	7575.1	7699.5	7757.0	7669.5	7554.4	7632.7	7711.0	7669.5	7572.8	7526.8
45°	8001.0	8040.2	8188.7	8246.2	8119.6	7973.4	8068.9	8205.9	8202.5	8063.2	8014.8
47.5°	8492.5	8531.7	8708.9	8784.9	8647.9	8452.3	8586.9	8780.3	8766.5	8613.4	8574.3
50°	9060.0	9101.5	9322.5	9418.0	9290.2	9062.3	9264.9	9435.3	9409.9	9221.2	9224.6
52.5°	9772.5	9770.2	10045.3	10211.1	10079.9	9878.4	10064.9	10230.6	10125.9	9864.6	9856.5
55°	10396.4	10434.4	10775.1	11089.3	11081.3	11004.2	11079.0	11085.9	10786.6	10439.0	10396.4
57.5°	10806.2	10878.7	11358.7	11927.3	12353.2	12455.6	12310.6	11870.9	11169.9	10613.9	10546.0
60°	10554.1	10664.6	11418.5	12577.7	13832.3	14434.3	13615.9	12251.9	10871.8	10097.1	10005.0
62.5°	8852.8	9039.3	10143.2	12263.4	15105.4	16865.4	14562.1	11640.7	9686.2	8619.2	8461.5
65°	5391.6	5588.4	6919.0	10093.7	14899.4	18789.9	14130.4	9662.0	7069.8	5742.7	5572.3
67.5°	1796.8	1854.4	2638.2	5579.2	11709.8	16882.6	11729.3	5784.1	3076.8	2039.7	1979.8
70°	703.3	709.1	836.8	1617.2	5529.7	11595.8	6101.8	1646.0	874.8	691.8	706.8
72.5°	516.8	519.1	554.8	675.7	1441.1	5108.4	1492.9	679.1	539.8	484.6	484.6
75°	415.5	415.5	440.9	492.7	645.7	1171.8	655.0	486.9	422.4	386.8	382.2
77.5°	328.1	335.0	354.5	387.9	437.4	564.0	453.5	385.6	340.7	307.3	300.4
80°	244.0	250.9	283.2	299.3	314.2	391.4	335.0	301.6	269.3	230.2	223.3
82.5°	160.0	166.9	207.2	216.4	212.9	255.5	225.6	222.2	198.0	148.5	141.6
85°	104.7	107.0	138.1	143.9	132.4	116.3	143.9	151.9	138.1	96.7	93.2
87.5°	49.5	49.5	70.2	65.6	59.9	48.3	65.6	77.1	78.3	47.2	46.0
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)