

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: P316954

Luminaire Tested: **GAN-SA0A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316954
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-SA0A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37810 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

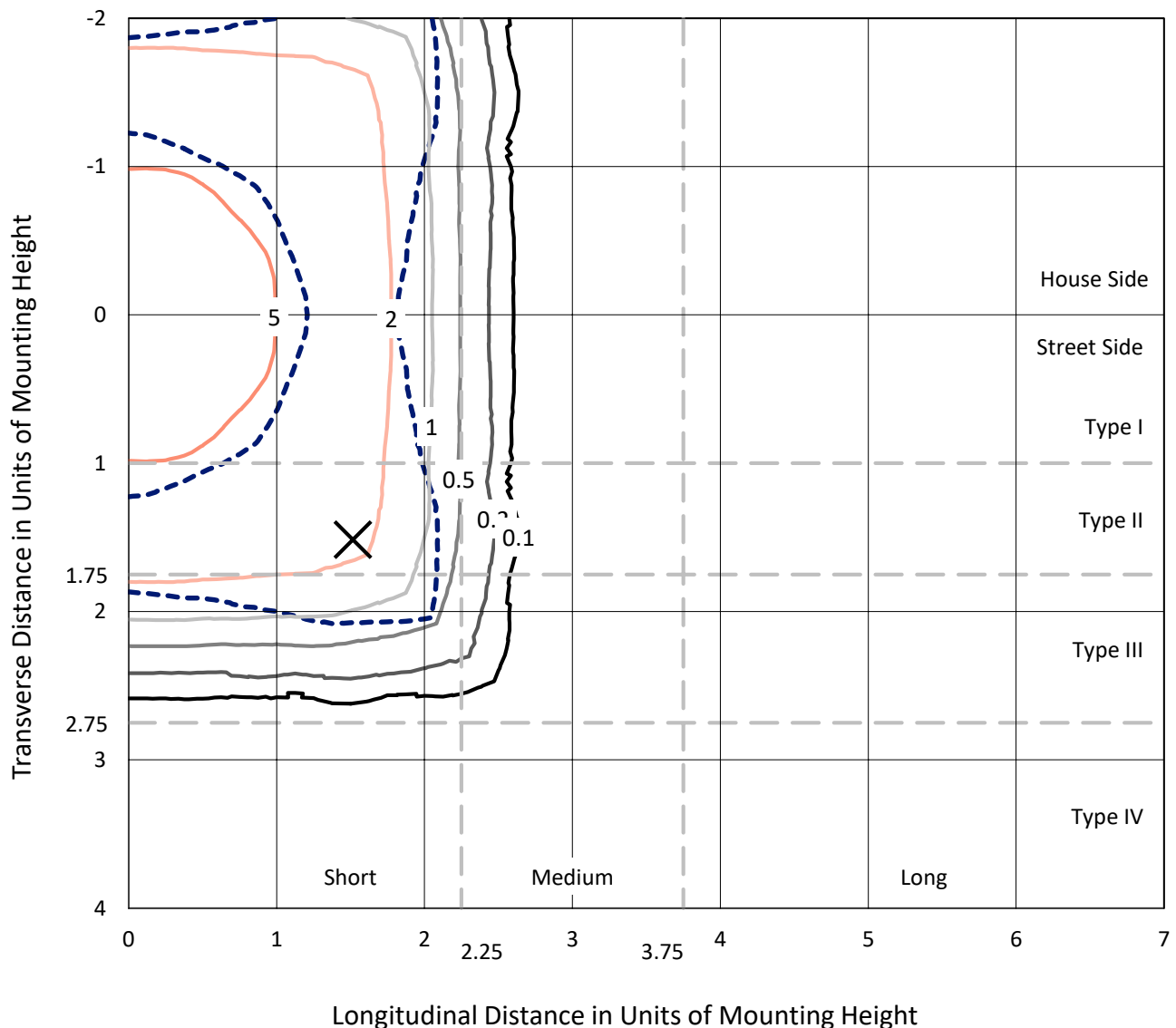
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

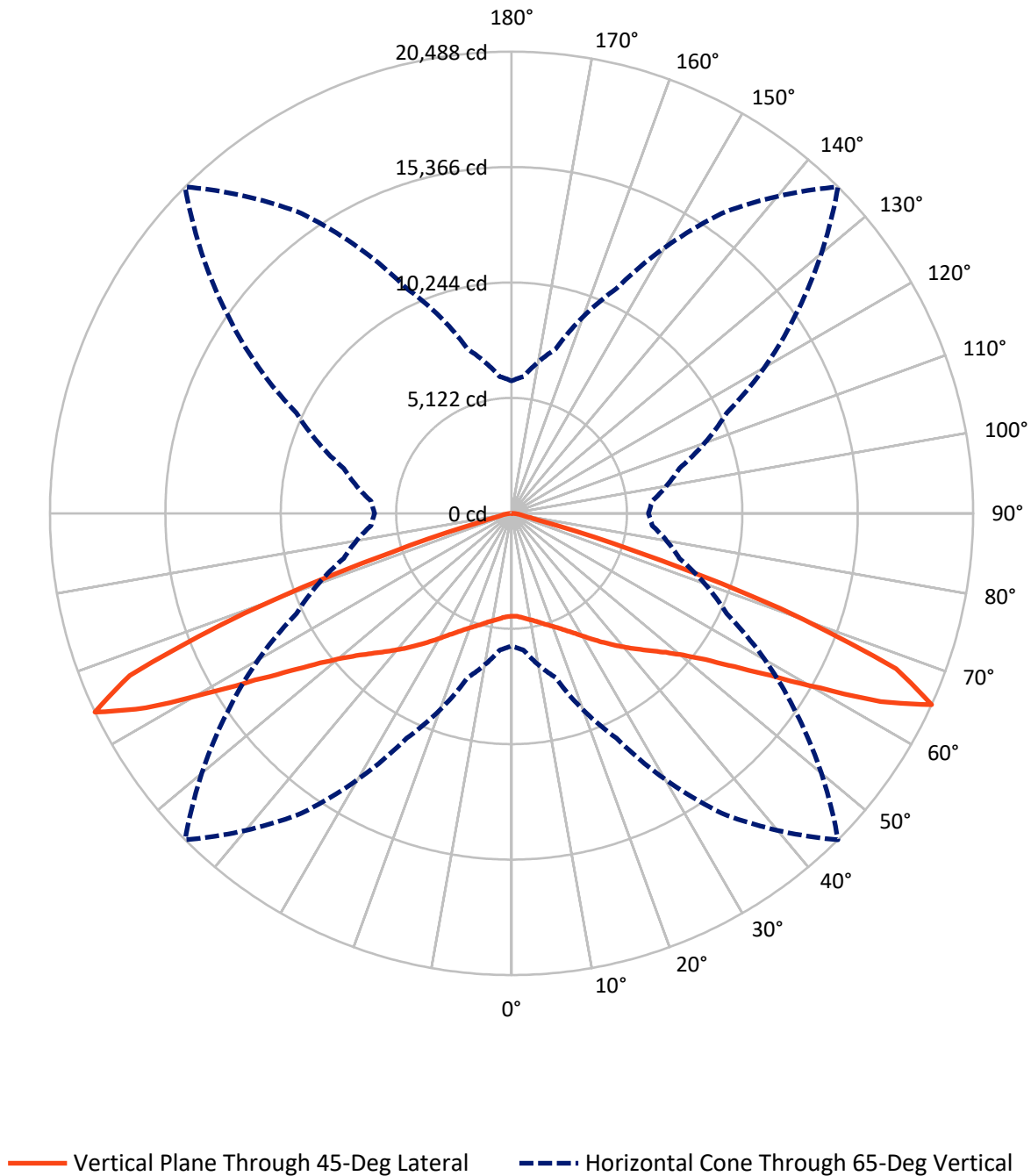
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	18905.0	0.0	18905.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18905.0	0.0	18905.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37810.0	0.0	37810.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.0	1.2
10°-20°	1440.0	3.8
20°-30°	2701.6	7.1
30°-40°	4468.0	11.8
40°-50°	6920.3	18.3
50°-60°	10613.7	28.1
60°-70°	9903.8	26.2
70°-80°	1152.7	3.0
80°-90°	162.0	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°	37810.0	100.0
0°-180°	37810.0	100.0

Coefficient of Utilization



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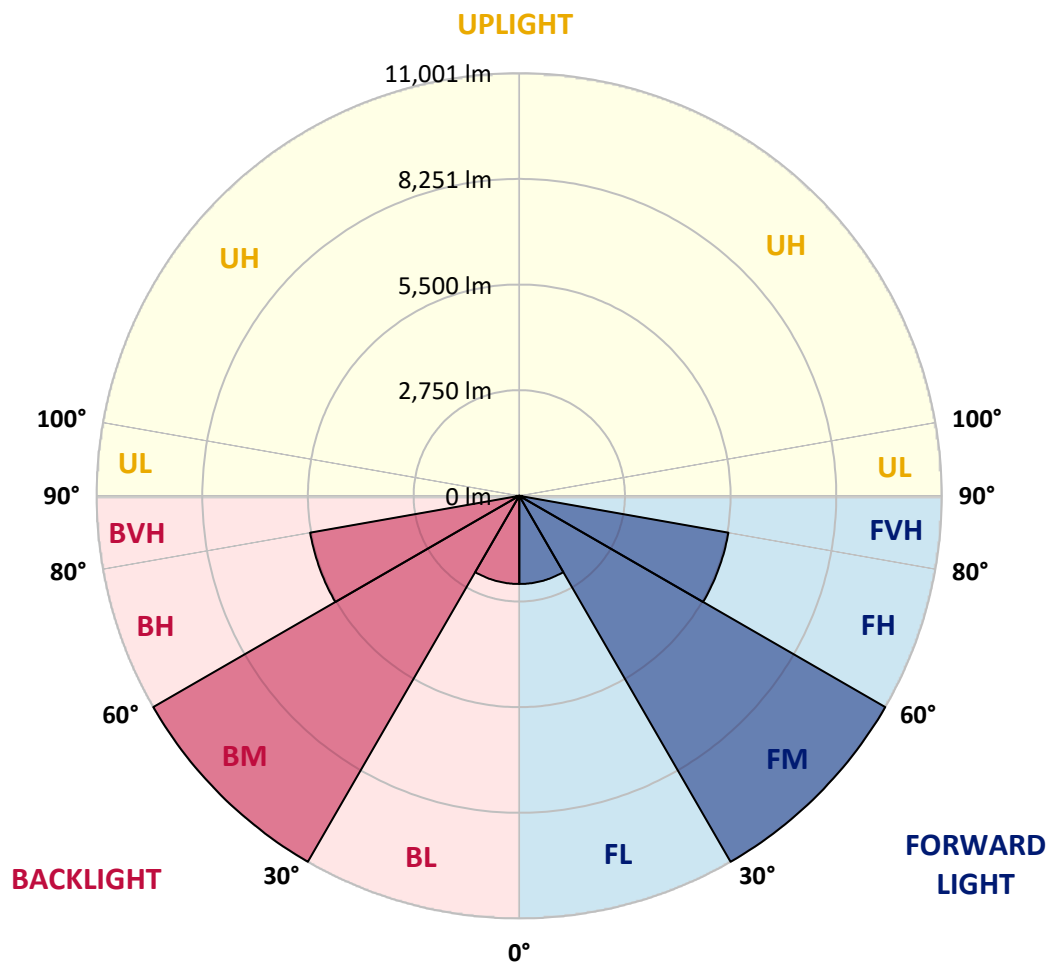
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2294.8	6.1			
FM	(30°-60°)	11001.0	29.1			
FH	(60°-80°)	5528.2	14.6			G3/7500
FVH	(80°-90°)	81.0	0.2			G1/100
BL	(0°-30°)	2294.8	6.1	B3/2500		
BM	(30°-60°)	11001.0	29.1	B5		
BH	(60°-80°)	5528.2	14.6	B5		G3/7500
BVH	(80°-90°)	81.0	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°	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0	4566.0
2.5°	4581.1	4578.6	4581.1	4582.4	4574.8	4578.6	4577.3	4583.6	4586.1	4583.6	4583.6
5°	4633.8	4630.0	4635.1	4641.3	4631.3	4633.8	4630.0	4637.6	4640.1	4635.1	4638.8
7.5°	4706.6	4707.9	4712.9	4724.2	4717.9	4722.9	4715.4	4716.6	4715.4	4707.9	4709.1
10°	4785.7	4786.9	4795.7	4810.8	4813.3	4813.3	4808.3	4804.5	4799.5	4794.5	4795.7
12.5°	4881.1	4887.3	4893.6	4912.4	4912.4	4922.5	4920.0	4909.9	4901.1	4893.6	4893.6
15°	5010.3	5009.1	5016.6	5035.4	5044.2	5060.5	5060.5	5046.7	5035.4	5027.9	5025.4
17.5°	5145.9	5149.7	5154.7	5177.3	5191.1	5209.9	5212.4	5201.1	5193.6	5183.5	5177.3
20°	5304.0	5310.3	5330.4	5339.2	5351.7	5369.3	5375.6	5373.1	5365.5	5360.5	5361.8
22.5°	5488.5	5504.8	5517.4	5529.9	5545.0	5557.6	5563.8	5572.6	5565.1	5561.3	5558.8
25°	5711.9	5723.2	5748.3	5770.9	5781.0	5784.7	5792.3	5804.8	5803.6	5794.8	5794.8
27.5°	5965.5	5986.8	6018.2	6050.8	6050.8	6038.3	6063.4	6084.7	6077.2	6065.9	6050.8
30°	6273.0	6293.0	6329.4	6374.6	6352.0	6343.3	6377.1	6416.0	6404.8	6385.9	6383.4
32.5°	6604.3	6623.1	6670.8	6719.8	6690.9	6678.4	6714.8	6771.2	6751.2	6713.5	6690.9
35°	6963.3	6982.1	7049.9	7108.9	7059.9	7038.6	7068.7	7130.2	7095.1	7024.8	7007.2
37.5°	7353.6	7363.6	7451.5	7511.7	7477.9	7421.4	7459.0	7504.2	7474.1	7388.7	7354.9
40°	7759.0	7795.4	7897.1	7967.3	7908.4	7819.2	7882.0	7944.8	7899.6	7790.4	7732.6
42.5°	8232.2	8259.8	8395.3	8458.1	8362.7	8237.2	8322.5	8407.9	8362.7	8257.3	8207.1
45°	8724.2	8766.8	8928.7	8991.5	8853.4	8694.0	8798.2	8947.6	8943.8	8791.9	8739.2
47.5°	9260.1	9302.8	9496.1	9578.9	9429.5	9216.2	9363.0	9573.9	9558.8	9391.9	9349.2
50°	9878.9	9924.0	10165.0	10269.2	10129.9	9881.4	10102.3	10288.0	10260.4	10054.6	10058.3
52.5°	10655.8	10653.2	10953.2	11133.9	10990.9	10771.2	10974.6	11155.3	11041.1	10756.2	10747.4
55°	11336.0	11377.4	11748.9	12091.6	12082.8	11998.7	12080.3	12087.8	11761.5	11382.5	11336.0
57.5°	11782.8	11861.9	12385.3	13005.3	13469.7	13581.4	13423.2	12943.8	12179.4	11573.2	11499.2
60°	11508.0	11628.5	12450.5	13714.4	15082.5	15738.9	14846.5	13359.2	11854.4	11009.7	10909.3
62.5°	9652.9	9856.3	11059.9	13371.8	16470.6	18389.7	15878.2	12692.8	10561.6	9398.2	9226.2
65°	5878.9	6093.5	7544.4	11005.9	16246.0	20488.2	15407.5	10535.3	7708.8	6261.7	6075.9
67.5°	1959.2	2022.0	2876.7	6083.4	12768.1	18408.5	12789.4	6306.9	3354.9	2224.0	2158.8
70°	766.9	773.1	912.5	1763.4	6029.5	12643.8	6653.3	1794.8	953.9	754.3	770.6
72.5°	563.5	566.0	605.0	736.7	1571.4	5570.1	1627.9	740.5	588.6	528.4	528.4
75°	453.1	453.1	480.7	537.2	704.1	1277.7	714.1	530.9	460.6	421.7	416.7
77.5°	357.7	365.2	386.6	423.0	476.9	615.0	494.5	420.5	371.5	335.1	327.6
80°	266.1	273.6	308.8	326.3	342.6	426.7	365.2	328.8	293.7	251.0	243.5
82.5°	174.5	182.0	225.9	236.0	232.2	278.6	246.0	242.2	215.9	161.9	154.4
85°	114.2	116.7	150.6	156.9	144.3	126.8	156.9	165.7	150.6	105.4	101.7
87.5°	54.0	54.0	76.6	71.5	65.3	52.7	71.5	84.1	85.3	51.5	50.2
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)