

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: P316643

Luminaire Tested: **GAN-SA9B-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316643
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-SA9B-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42648 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

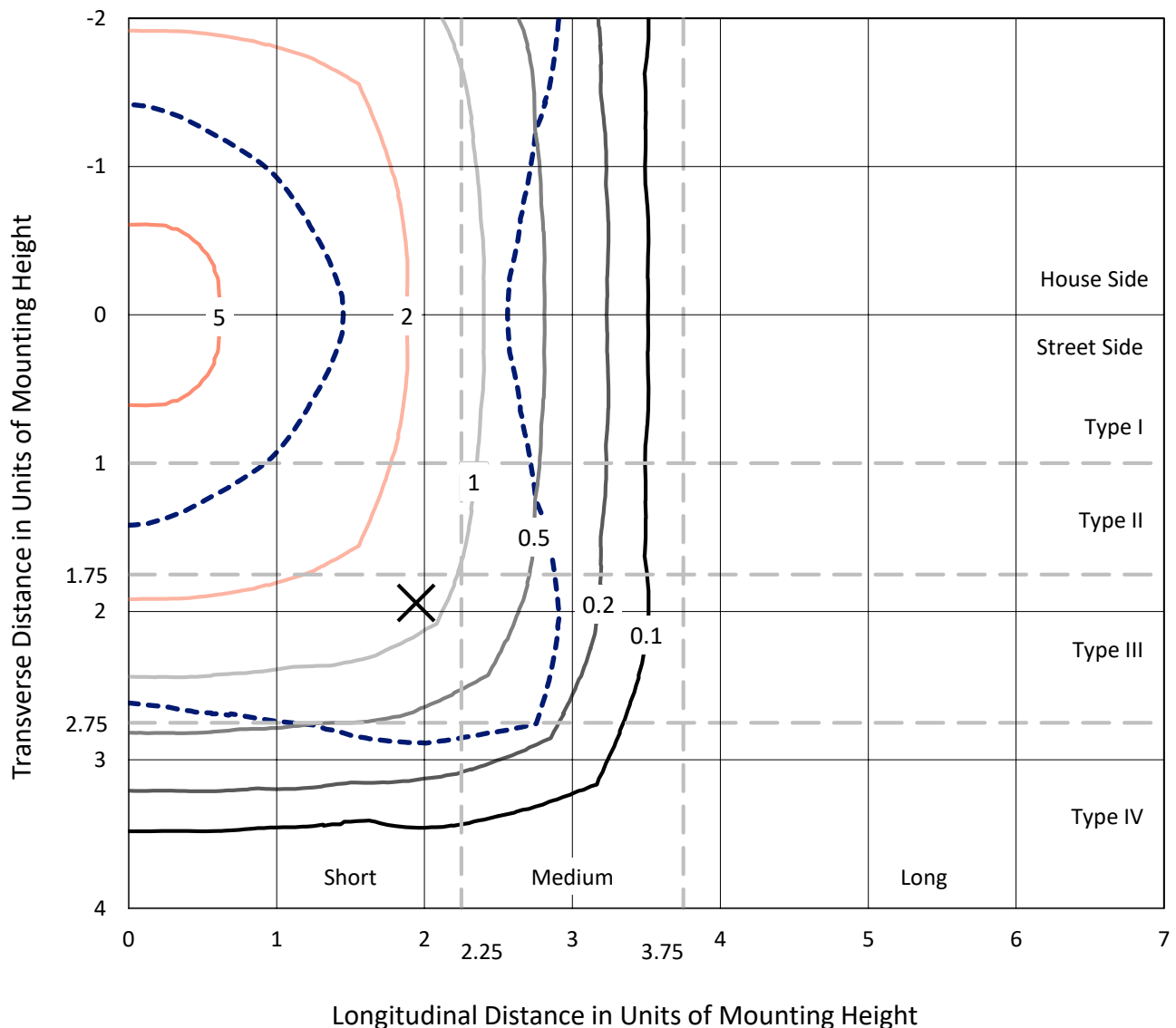
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316643
 CATALOG NUMBER: GAN-SA9B-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

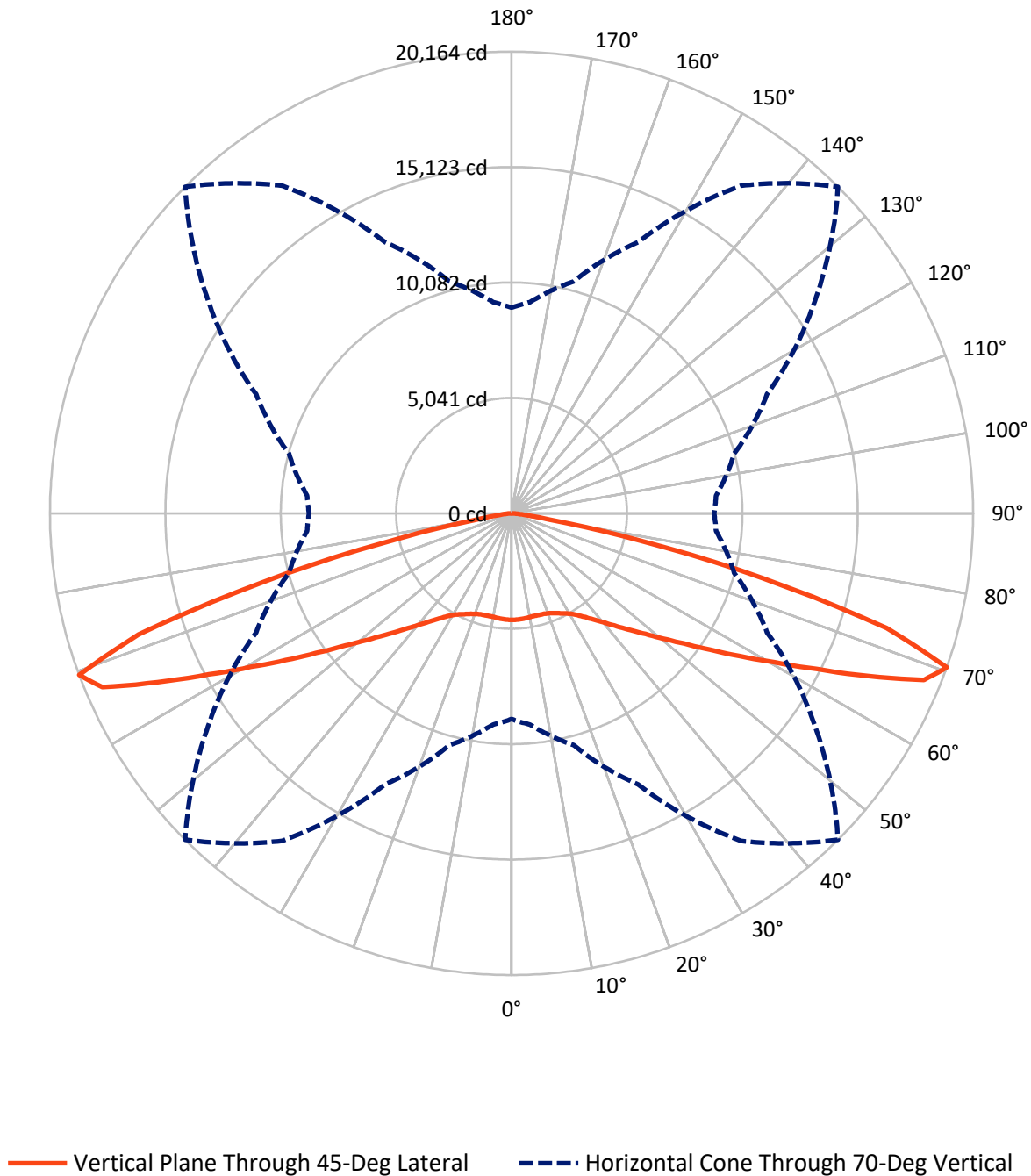
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

REPORT NUMBER: P316643
CATALOG NUMBER: GAN-SA9B-830-U-5MQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21324.0	0.0	21324.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21324.0	0.0	21324.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42648.0	0.0	42648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.1	1.0
10°-20°	1295.1	3.0
20°-30°	2204.7	5.2
30°-40°	3496.6	8.2
40°-50°	5690.0	13.3
50°-60°	9381.8	22.0
60°-70°	13772.7	32.3
70°-80°	6090.3	14.3
80°-90°	275.8	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°	42648.0	100.0
0°-180°	42648.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316643

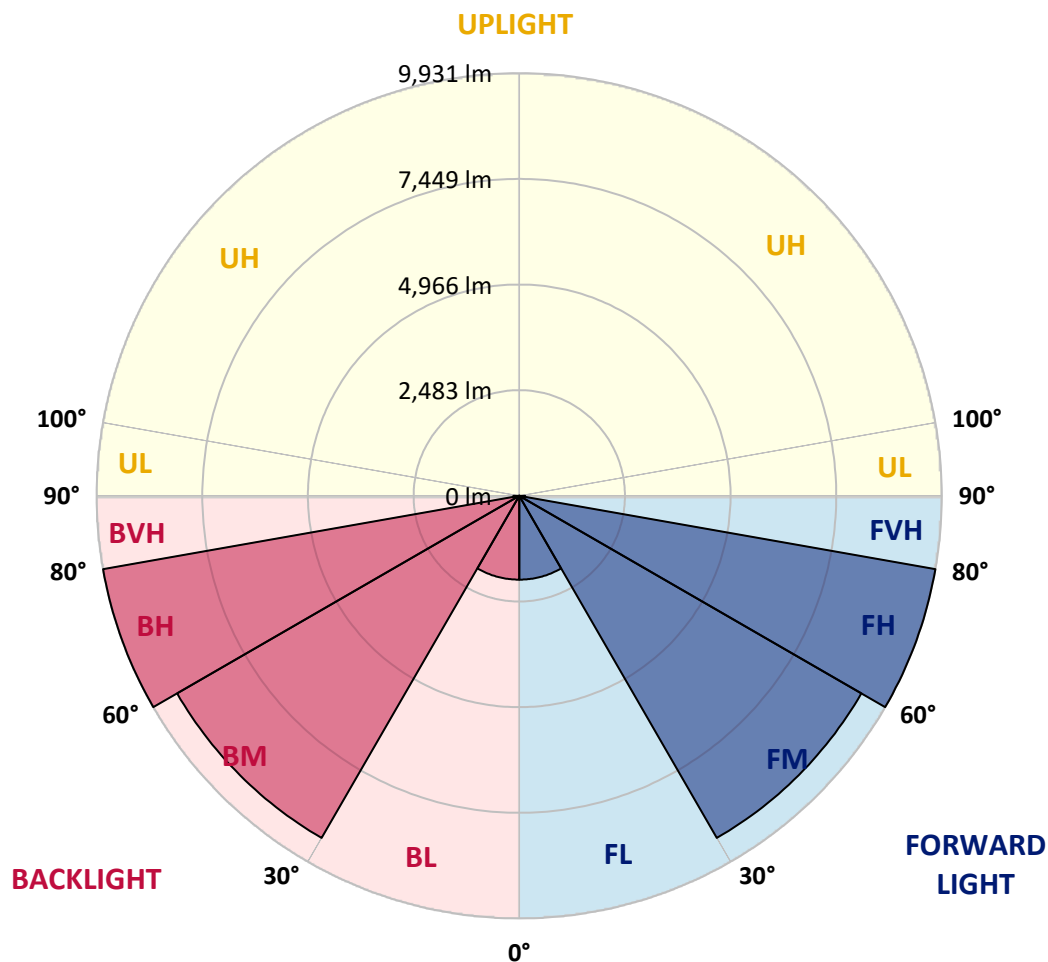
CATALOG NUMBER: GAN-SA9B-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1970.4	4.6			
FM	(30°-60°)	9284.2	21.8			
FH	(60°-80°)	9931.5	23.3			G4/12000
FVH	(80°-90°)	137.9	0.3			G2/225
BL	(0°-30°)	1970.4	4.6	B3/2500		
BM	(30°-60°)	9284.2	21.8	B5		
BH	(60°-80°)	9931.5	23.3	B5		G4/12000
BVH	(80°-90°)	137.9	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





REPORT NUMBER: P316643

CATALOG NUMBER: GAN-SA9B-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8	4657.8
2.5°	4650.8	4646.5	4656.4	4655.0	4646.5	4647.9	4647.9	4652.2	4652.2	4649.4	4649.4
5°	4633.8	4631.0	4642.3	4642.3	4633.8	4636.7	4639.5	4643.7	4642.3	4639.5	4638.1
7.5°	4612.7	4611.2	4622.5	4622.5	4616.9	4619.7	4616.9	4618.3	4615.5	4612.7	4608.4
10°	4577.4	4580.2	4590.1	4592.9	4592.9	4594.3	4591.5	4584.4	4580.2	4576.0	4571.7
12.5°	4544.9	4543.5	4557.6	4564.7	4576.0	4588.7	4580.2	4560.4	4552.0	4543.5	4540.7
15°	4523.7	4525.1	4539.3	4552.0	4571.7	4598.5	4588.7	4557.6	4540.7	4530.8	4528.0
17.5°	4519.5	4522.3	4540.7	4563.3	4584.4	4614.1	4608.4	4577.4	4549.1	4530.8	4526.6
20°	4529.4	4530.8	4559.0	4591.5	4628.2	4656.4	4643.7	4609.8	4571.7	4543.5	4536.4
22.5°	4547.7	4553.4	4588.7	4639.5	4695.9	4734.0	4718.5	4660.6	4601.4	4566.1	4556.2
25°	4605.6	4607.0	4655.0	4724.2	4791.9	4835.7	4817.3	4735.5	4659.2	4619.7	4607.0
27.5°	4725.6	4729.8	4777.8	4858.3	4916.1	4944.4	4933.1	4866.7	4801.8	4759.5	4763.7
30°	4899.2	4904.8	4958.5	5047.4	5082.7	5089.7	5086.9	5055.9	4996.6	4940.1	4944.4
32.5°	5110.9	5113.7	5185.7	5266.2	5294.4	5300.0	5294.4	5266.2	5195.6	5119.4	5123.6
35°	5383.3	5391.8	5460.9	5538.6	5561.2	5572.5	5562.6	5525.9	5452.5	5377.7	5374.8
37.5°	5719.2	5720.7	5792.6	5873.1	5901.3	5904.1	5892.9	5868.9	5777.1	5709.4	5705.1
40°	6108.8	6114.5	6199.1	6285.2	6296.5	6283.8	6299.4	6285.2	6190.7	6113.0	6125.7
42.5°	6583.1	6595.8	6697.4	6782.1	6749.6	6742.6	6752.4	6756.7	6680.5	6585.9	6577.4
45°	7134.9	7146.2	7273.3	7341.0	7319.8	7273.3	7293.0	7326.9	7221.0	7103.9	7115.2
47.5°	7764.5	7792.7	7928.2	7991.7	7939.5	7876.0	7914.1	7964.9	7840.7	7695.3	7688.2
50°	8464.5	8499.8	8680.5	8769.4	8717.2	8600.0	8663.6	8697.4	8518.2	8330.4	8314.9
52.5°	9211.2	9246.5	9473.7	9657.2	9623.3	9441.3	9530.2	9494.9	9288.8	9036.2	9016.4
55°	10056.7	10070.8	10316.4	10612.8	10646.7	10512.6	10506.9	10449.1	10144.2	9852.0	9837.9
57.5°	10926.1	10936.0	11253.6	11603.6	11763.1	11763.1	11605.0	11482.2	11077.2	10738.4	10703.1
60°	11864.8	11900.0	12251.5	12727.2	13099.8	13209.9	12930.4	12595.9	12155.5	11742.0	11701.0
62.5°	12700.3	12741.3	13279.0	13987.6	14586.1	14986.9	14303.8	13758.9	12957.2	12293.8	12216.2
65°	12806.2	12916.3	13699.7	14982.7	16322.1	17122.4	15812.6	14470.3	13009.4	12087.8	12008.7
67.5°	11695.4	11881.7	12940.3	14937.5	17705.4	19423.1	16776.6	14063.8	12072.2	11053.2	10965.6
70°	8986.8	9257.8	10478.7	13065.9	17466.8	20164.1	16172.5	12312.2	10065.1	8968.4	8845.6
72.5°	4930.2	5041.7	6139.9	8947.3	14003.1	17135.2	13489.3	9103.9	6674.8	5431.3	5225.2
75°	1563.9	1603.4	2162.4	3661.3	7921.1	11349.6	8569.0	4468.7	2460.2	1813.7	1792.6
77.5°	694.4	698.7	782.0	1068.5	2728.4	5750.3	3277.4	1216.7	838.4	732.5	756.5
80°	439.0	439.0	484.1	529.3	742.4	1669.8	886.4	578.7	494.0	458.7	468.6
82.5°	210.3	232.9	314.8	338.8	407.9	561.8	454.5	378.3	330.3	245.6	228.7
85°	138.3	115.7	199.0	224.4	237.1	269.6	263.9	249.8	216.0	122.8	136.9
87.5°	62.1	59.3	103.0	94.6	88.9	67.8	101.6	125.6	121.4	60.7	60.7
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)