

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: P317282

Luminaire Tested: **GAN-SA8B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37203 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 334
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

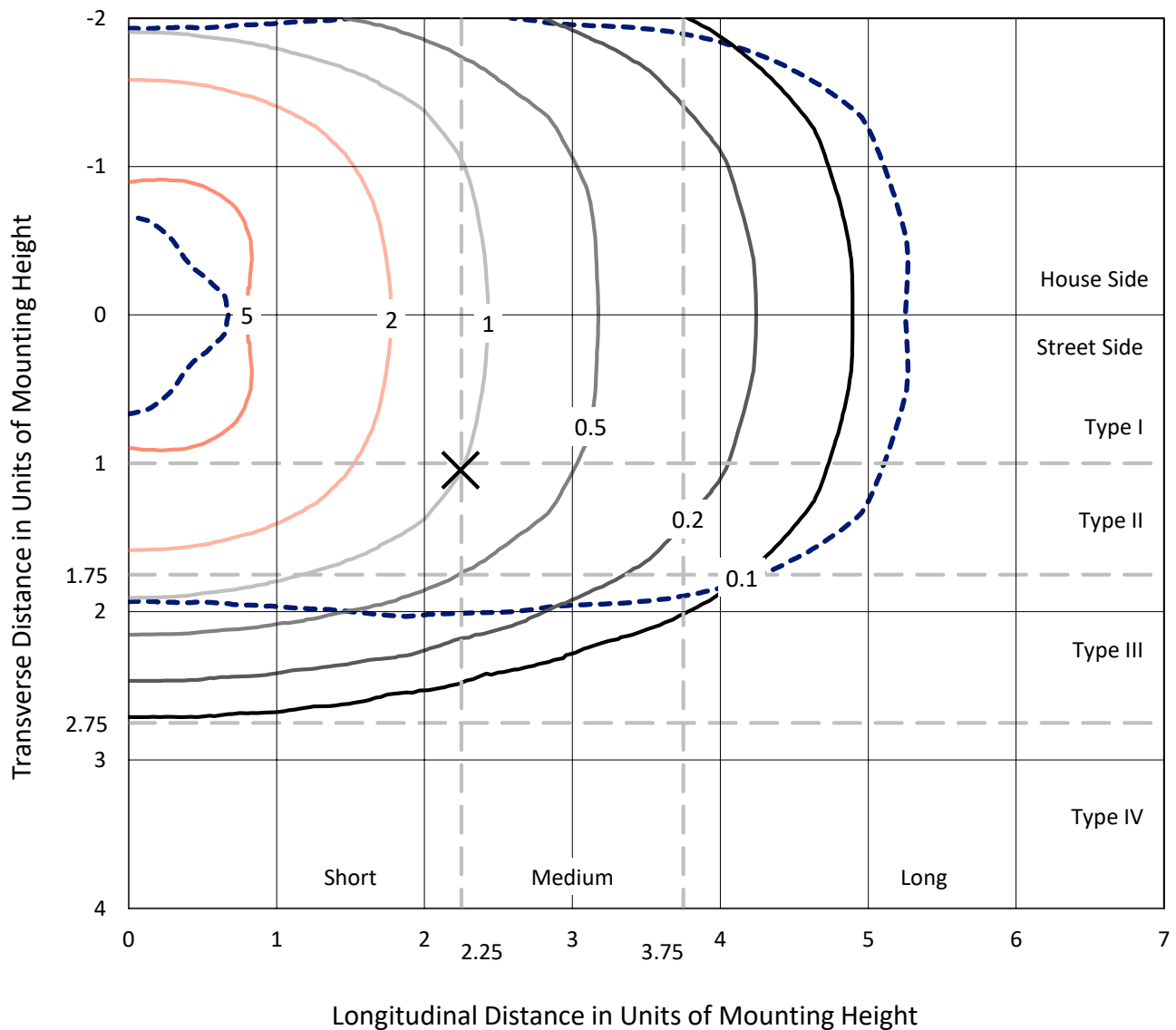


REPORT NUMBER: P317282

CATALOG NUMBER: GAN-SA8B-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

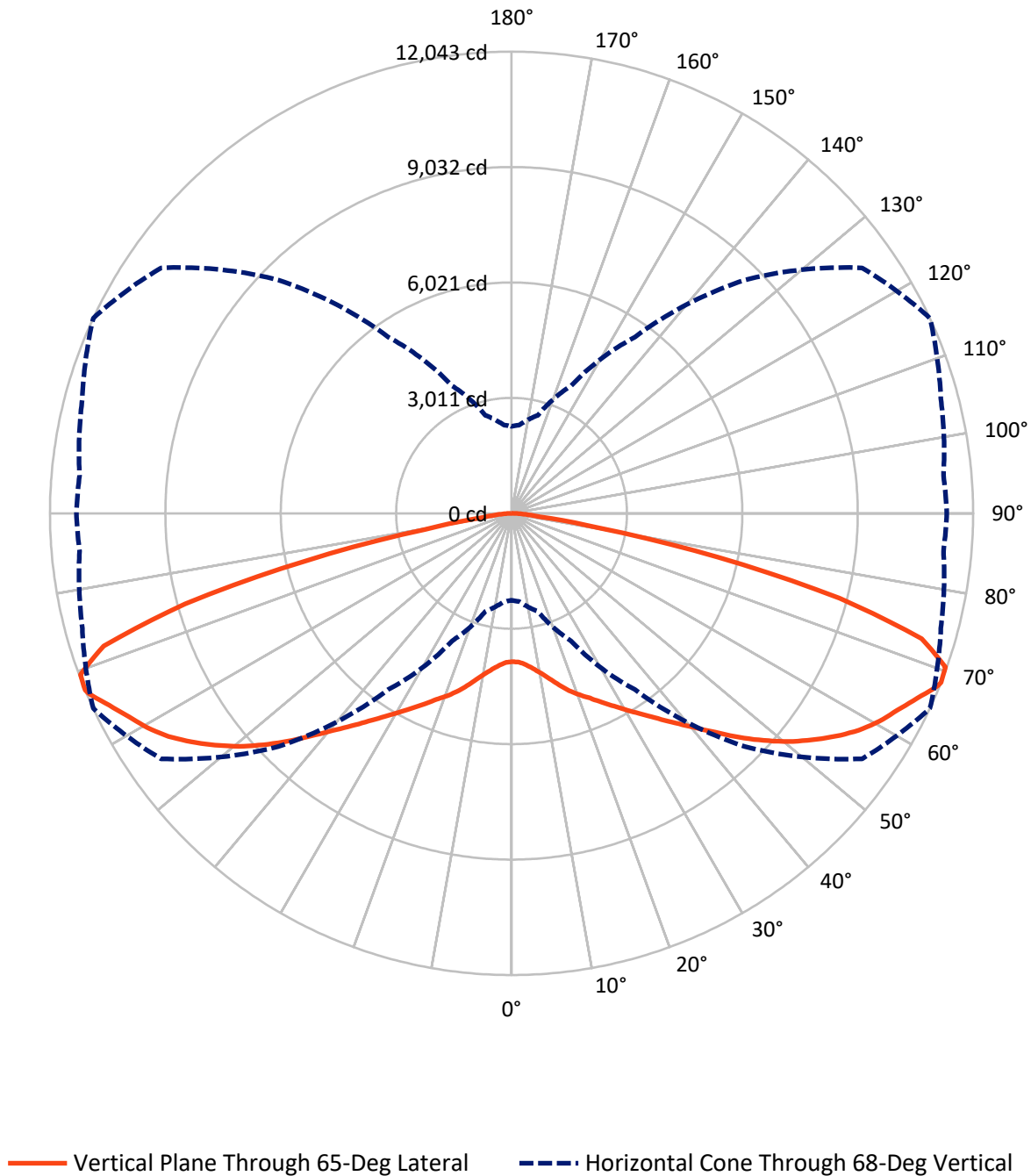
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

REPORT NUMBER: P317282
CATALOG NUMBER: GAN-SA8B-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317282

CATALOG NUMBER: GAN-SA8B-830-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18601.5	0.0	18601.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18601.5	0.0	18601.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37203.0	0.0	37203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	1.0
10°-20°	1268.1	3.4
20°-30°	2472.5	6.6
30°-40°	4153.7	11.2
40°-50°	6544.7	17.6
50°-60°	8752.5	23.5
60°-70°	8508.5	22.9
70°-80°	4651.2	12.5
80°-90°	473.0	1.3
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°	37203.0	100.0
0°-180°	37203.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317282

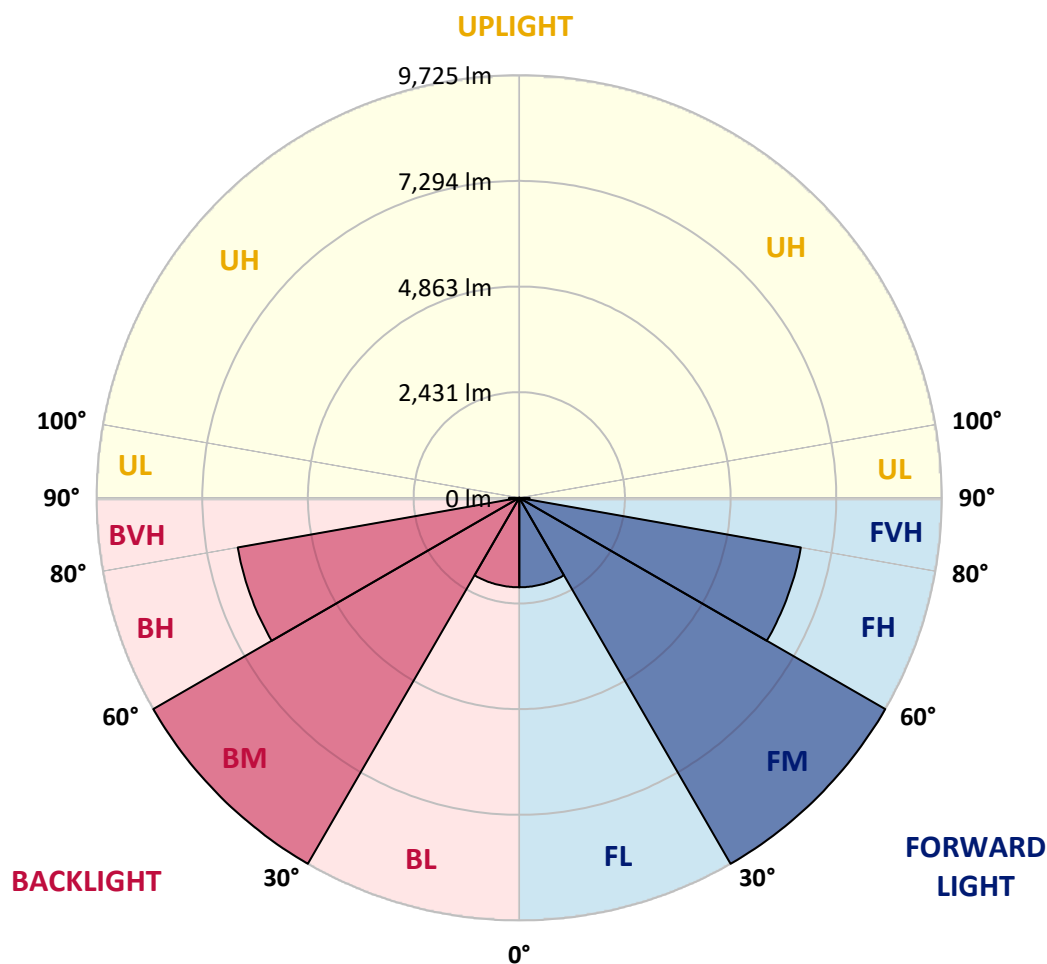
CATALOG NUMBER: GAN-SA8B-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2059.7	5.5			
FM	(30°-60°)	9725.4	26.1			
FH	(60°-80°)	6579.8	17.7			G3/7500
FVH	(80°-90°)	236.5	0.6			G3/500
BL	(0°-30°)	2059.7	5.5	B3/2500		
BM	(30°-60°)	9725.4	26.1	B5		
BH	(60°-80°)	6579.8	17.7	B5		G5
BVH	(80°-90°)	236.5	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P317282

CATALOG NUMBER: GAN-SA8B-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2	3868.2
2.5°	3840.8	3842.0	3848.3	3855.8	3862.0	3878.2	3882.0	3888.2	3890.7	3896.9	3896.9
5°	3807.1	3809.6	3824.6	3844.5	3867.0	3906.9	3935.6	3968.0	3984.2	4001.7	4000.5
7.5°	3803.4	3809.6	3830.8	3863.2	3900.7	3966.8	4026.7	4091.5	4135.2	4175.1	4172.6
10°	3842.0	3852.0	3882.0	3930.6	3986.7	4069.1	4157.6	4245.0	4321.0	4382.2	4384.7
12.5°	3900.7	3913.1	3960.5	4034.1	4119.0	4225.0	4329.8	4428.3	4533.1	4624.2	4631.7
15°	3978.0	3994.2	4065.3	4175.1	4304.8	4430.8	4543.1	4644.1	4765.1	4891.1	4903.6
17.5°	4092.8	4115.2	4208.8	4357.2	4528.1	4666.6	4783.8	4859.9	4961.0	5090.7	5114.4
20°	4267.4	4296.1	4414.6	4591.7	4800.1	4944.8	5034.6	5050.8	5100.7	5216.7	5244.1
22.5°	4494.4	4519.4	4651.6	4862.4	5095.7	5252.9	5300.3	5235.4	5230.4	5324.0	5350.2
25°	4747.7	4770.1	4923.6	5160.6	5411.3	5584.7	5583.4	5457.4	5370.1	5442.5	5469.9
27.5°	5032.1	5067.0	5214.2	5463.7	5731.9	5902.8	5892.8	5698.2	5532.3	5551.0	5574.7
30°	5358.9	5397.6	5541.0	5794.2	6062.4	6229.6	6217.1	5960.2	5710.7	5660.8	5678.2
32.5°	5764.3	5810.5	5946.4	6195.9	6432.9	6583.9	6547.7	6244.6	5925.2	5816.7	5832.9
35°	6252.0	6279.5	6422.9	6668.7	6860.8	6964.3	6888.2	6573.9	6197.2	6066.2	6066.2
37.5°	6746.0	6767.2	6928.1	7166.4	7352.3	7407.2	7258.7	6934.4	6552.7	6366.8	6370.6
40°	7220.0	7277.4	7458.3	7702.8	7886.2	7901.1	7704.0	7346.0	6948.1	6756.0	6778.5
42.5°	7715.3	7771.4	7987.2	8264.1	8426.3	8451.2	8220.5	7807.6	7394.7	7238.8	7263.7
45°	8156.9	8201.8	8451.2	8773.1	8975.2	9040.0	8766.8	8336.5	7877.4	7725.2	7731.5
47.5°	8465.0	8523.6	8798.0	9177.2	9471.6	9571.4	9303.2	8851.7	8352.7	8168.1	8184.3
50°	8744.4	8775.6	9053.7	9467.9	9842.1	10047.9	9818.4	9360.6	8833.0	8637.1	8654.6
52.5°	8900.3	8940.2	9209.7	9641.3	10084.1	10415.9	10276.2	9818.4	9297.0	9106.1	9127.3
55°	8791.8	8821.7	9144.8	9679.9	10233.8	10643.0	10664.2	10266.2	9752.3	9585.1	9645.0
57.5°	8297.8	8335.2	8729.4	9430.5	10252.5	10796.4	10956.1	10681.6	10177.7	10041.7	10076.6
60°	7525.7	7549.4	7969.7	8758.1	9888.3	10860.0	11141.9	11020.9	10594.3	10458.3	10505.7
62.5°	6149.8	6184.7	6687.4	7744.0	9118.6	10671.6	11321.5	11301.6	10982.2	10857.5	10899.9
65°	4203.8	4264.9	4821.3	6157.2	7932.3	10095.3	11485.0	11628.4	11325.3	11168.1	11224.2
67.5°	2538.5	2583.4	2986.3	4065.3	6069.9	8932.7	11316.6	12000.1	11567.3	11314.1	11360.2
68°	2269.0	2310.2	2647.0	3668.7	5614.6	8604.7	11163.1	12042.6	11593.5	11311.6	11352.7
70°	1370.9	1398.4	1624.1	2267.8	3743.5	6825.9	10116.5	12007.6	11760.6	11346.5	11370.2
72.5°	893.1	901.9	939.3	1163.8	1912.3	3817.1	7593.0	11189.3	12011.4	11549.8	11546.1
75°	742.2	737.2	741.0	767.2	943.0	1674.0	4437.1	8839.2	11450.0	11229.2	11150.7
77.5°	627.5	623.7	622.5	623.7	631.2	808.3	1926.0	5506.1	8761.8	9933.2	10003.0
80°	507.7	502.7	518.9	511.4	489.0	502.7	807.1	2290.3	4130.2	4443.3	4163.9
82.5°	369.2	350.5	420.4	400.4	381.7	354.3	445.3	739.7	985.5	676.1	475.3
85°	284.4	264.5	319.3	306.9	262.0	180.9	264.5	361.8	399.2	228.3	179.6
87.5°	116.0	122.2	230.8	182.1	153.4	87.3	108.5	144.7	194.6	97.3	74.8
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)