

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: P317301

Luminaire Tested: **GAN-SA7D-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317301
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-SA7D-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44579 lumens
Efficiency: N/A
Efficacy: 99.5 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): 448
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



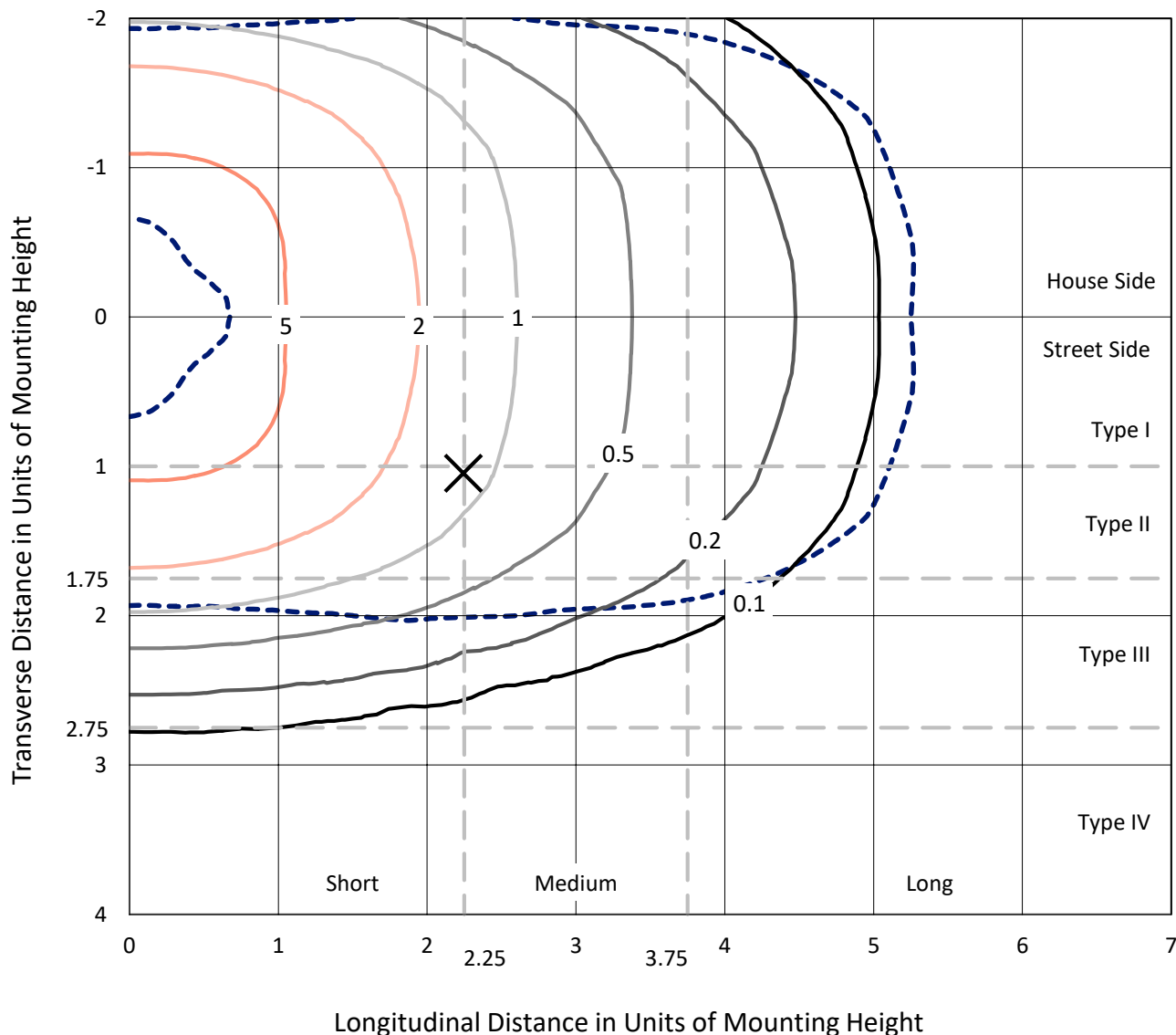
REPORT NUMBER: P317301

CATALOG NUMBER: GAN-SA7D-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

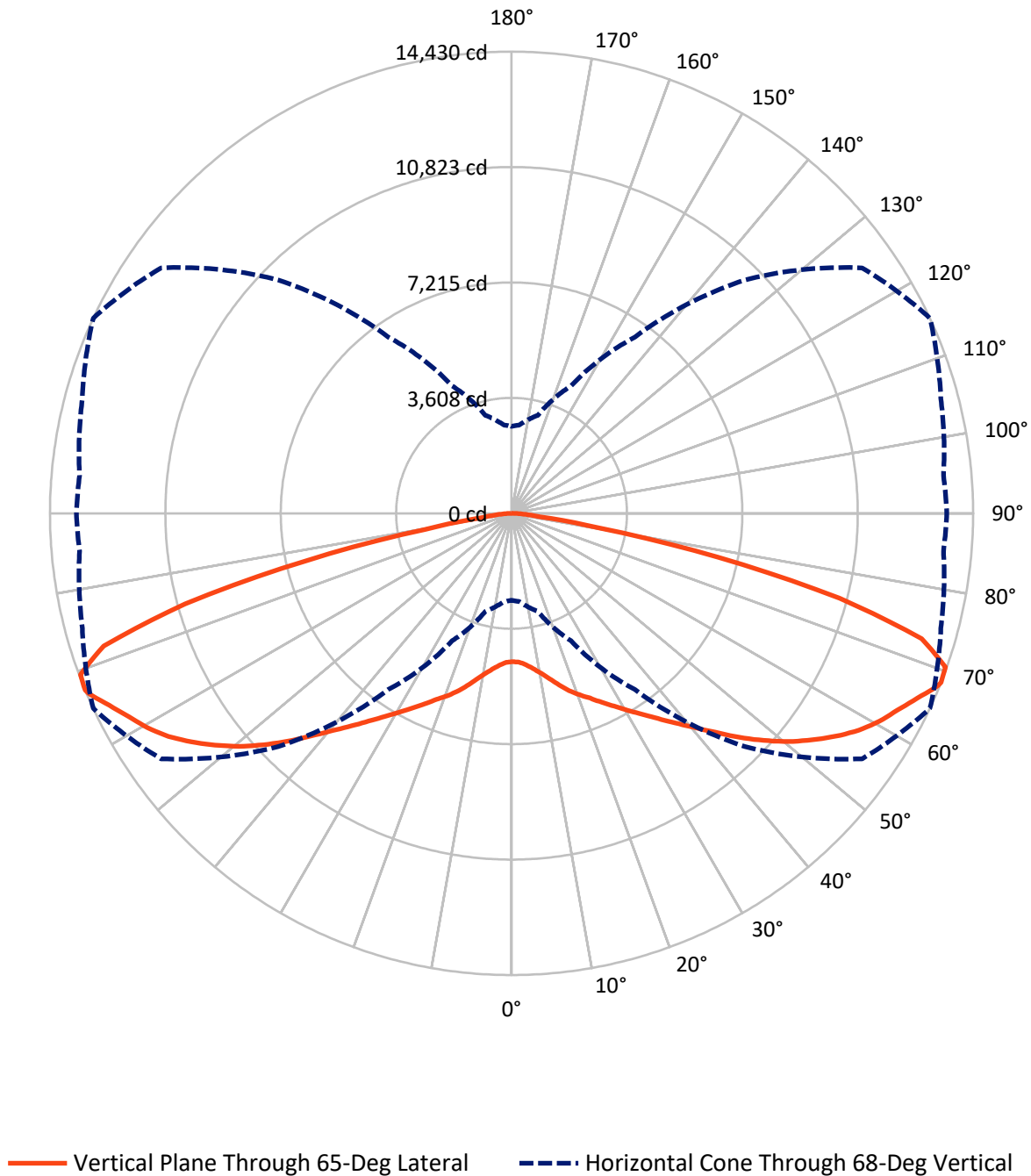
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P317301
CATALOG NUMBER: GAN-SA7D-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317301

CATALOG NUMBER: GAN-SA7D-830-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22289.5	0.0	22289.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22289.5	0.0	22289.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44579.0	0.0	44579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.8	1.0
10°-20°	1519.6	3.4
20°-30°	2962.8	6.6
30°-40°	4977.2	11.2
40°-50°	7842.3	17.6
50°-60°	10487.8	23.5
60°-70°	10195.4	22.9
70°-80°	5573.3	12.5
80°-90°	566.8	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°	44579.0	100.0
0°-180°	44579.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317301

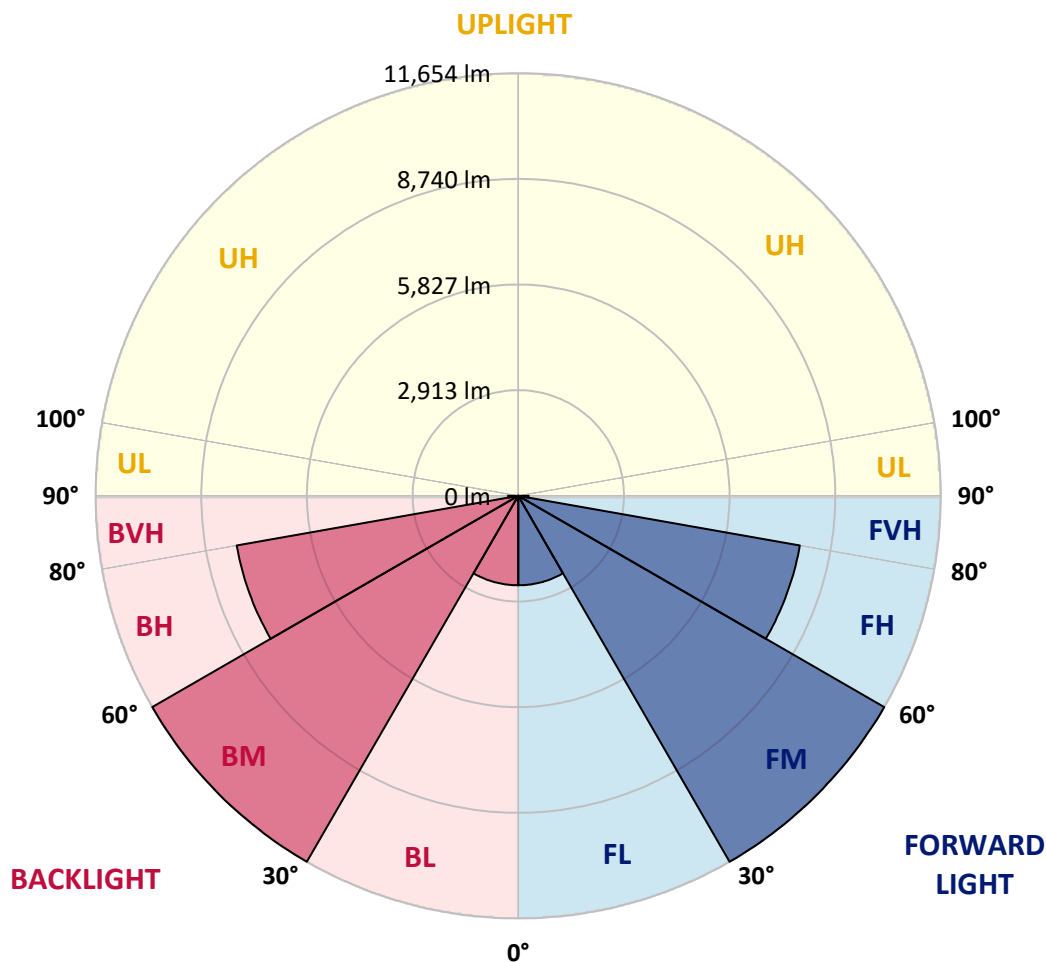
CATALOG NUMBER: GAN-SA7D-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2468.1	5.5			
FM	(30°-60°)	11653.6	26.1			
FH	(60°-80°)	7884.4	17.7			G4/12000
FVH	(80°-90°)	283.4	0.6			G3/500
BL	(0°-30°)	2468.1	5.5	B3/2500		
BM	(30°-60°)	11653.6	26.1	B5		
BH	(60°-80°)	7884.4	17.7	B5		G5
BVH	(80°-90°)	283.4	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: P317301

CATALOG NUMBER: GAN-SA7D-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2	4635.2
2.5°	4602.3	4603.8	4611.3	4620.2	4627.7	4647.1	4651.6	4659.1	4662.1	4669.5	4669.5
5°	4561.9	4564.9	4582.9	4606.8	4633.7	4681.5	4715.9	4754.7	4774.2	4795.1	4793.6
7.5°	4557.4	4564.9	4590.3	4629.2	4674.0	4753.3	4825.0	4902.7	4955.0	5002.9	4999.9
10°	4603.8	4615.7	4651.6	4709.9	4777.2	4875.8	4981.9	5086.6	5177.8	5251.0	5254.0
12.5°	4674.0	4689.0	4745.8	4834.0	4935.6	5062.7	5188.2	5306.3	5431.9	5541.0	5549.9
15°	4766.7	4786.1	4871.3	5002.9	5158.3	5309.3	5443.8	5564.9	5709.9	5860.8	5875.8
17.5°	4904.2	4931.1	5043.2	5221.1	5425.9	5591.8	5732.3	5823.5	5944.6	6100.0	6128.4
20°	5113.5	5147.9	5289.9	5502.1	5751.7	5925.1	6032.7	6052.2	6112.0	6251.0	6283.9
22.5°	5385.5	5415.4	5573.9	5826.5	6106.0	6294.3	6351.1	6273.4	6267.4	6379.5	6410.9
25°	5689.0	5715.9	5899.7	6183.7	6484.2	6691.9	6690.4	6539.5	6434.8	6521.5	6554.4
27.5°	6029.8	6071.6	6248.0	6546.9	6868.3	7073.1	7061.1	6827.9	6629.1	6651.6	6680.0
30°	6421.4	6467.7	6639.6	6943.0	7264.4	7464.7	7449.7	7141.8	6842.9	6783.1	6804.0
32.5°	6907.2	6962.5	7125.4	7424.3	7708.3	7889.2	7845.9	7482.6	7100.0	6969.9	6989.4
35°	7491.6	7524.5	7696.4	7990.8	8221.0	8345.1	8253.9	7877.2	7425.8	7268.9	7268.9
37.5°	8083.5	8108.9	8301.7	8587.2	8810.0	8875.7	8697.9	8309.2	7851.8	7629.1	7633.6
40°	8651.5	8720.3	8937.0	9230.0	9449.7	9467.6	9231.5	8802.5	8325.7	8095.5	8122.4
42.5°	9244.9	9312.2	9570.8	9902.6	10096.9	10126.8	9850.3	9355.5	8860.8	8673.9	8703.8
45°	9774.1	9827.9	10126.8	10512.5	10754.6	10832.3	10505.0	9989.3	9439.2	9256.9	9264.4
47.5°	10143.3	10213.5	10542.4	10996.8	11349.5	11469.1	11147.7	10606.6	10008.7	9787.5	9806.9
50°	10478.1	10515.4	10848.8	11345.0	11793.4	12040.1	11765.0	11216.5	10584.2	10349.5	10370.5
52.5°	10664.9	10712.8	11035.6	11552.8	12083.4	12481.0	12313.6	11765.0	11140.2	10911.6	10937.0
55°	10534.9	10570.8	10957.9	11599.1	12262.8	12753.1	12778.5	12301.7	11685.8	11485.5	11557.3
57.5°	9943.0	9987.8	10460.1	11300.2	12285.2	12936.9	13128.2	12799.4	12195.5	12032.6	12074.5
60°	9017.7	9046.1	9549.8	10494.5	11848.7	13013.1	13351.0	13206.0	12694.8	12531.8	12588.6
62.5°	7369.0	7410.9	8013.3	9279.3	10926.5	12787.4	13566.2	13542.3	13159.6	13010.2	13061.0
65°	5037.3	5110.5	5777.1	7378.0	9505.0	12096.9	13762.0	13933.9	13570.7	13382.3	13449.6
67.5°	3041.8	3095.6	3578.4	4871.3	7273.4	10703.8	13560.2	14379.3	13860.7	13557.2	13612.5
68°	2718.9	2768.2	3171.8	4396.0	6727.8	10310.7	13376.4	14430.2	13892.0	13554.2	13603.6
70°	1642.7	1675.6	1946.1	2717.4	4485.7	8179.2	12122.3	14388.3	14092.3	13596.1	13624.5
72.5°	1070.2	1080.7	1125.5	1394.6	2291.4	4573.9	9098.4	13407.8	14392.8	13839.7	13835.2
75°	889.4	883.4	887.9	919.3	1130.0	2005.9	5316.8	10591.7	13720.2	13455.6	13361.4
77.5°	751.9	747.4	745.9	747.4	756.3	968.6	2307.9	6597.8	10499.0	11902.6	11986.3
80°	608.4	602.4	621.8	612.8	585.9	602.4	967.1	2744.3	4949.1	5324.2	4989.4
82.5°	442.4	420.0	503.7	479.8	457.4	424.5	533.6	886.4	1180.8	810.1	569.5
85°	340.8	316.9	382.7	367.7	313.9	216.7	316.9	433.5	478.3	273.5	215.2
87.5°	139.0	146.5	276.5	218.2	183.9	104.6	130.0	173.4	233.2	116.6	89.7
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)