

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: P316961

Luminaire Tested: **GAN-SA7B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316961
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-SA7B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33132 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

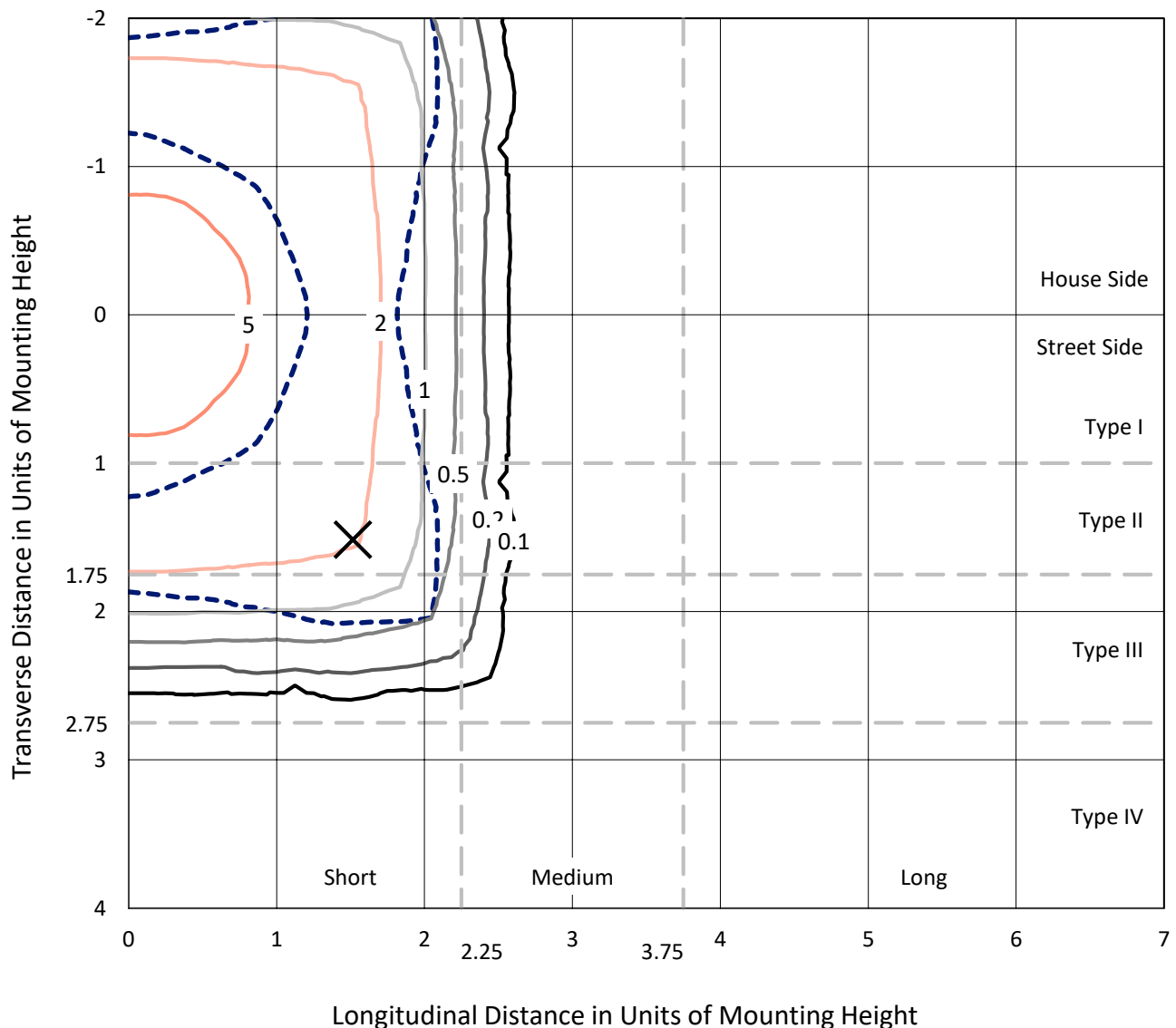
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

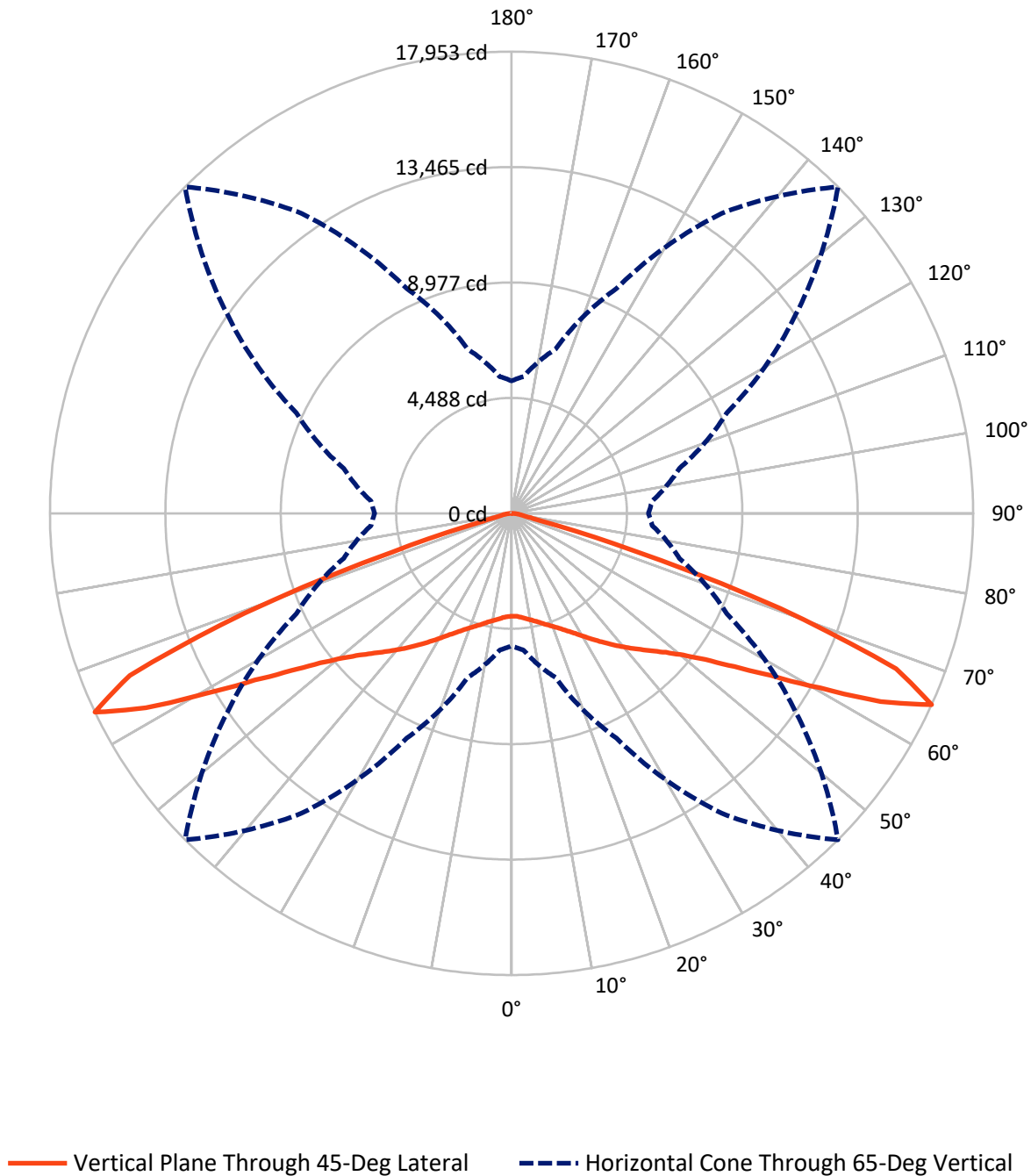
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16566.0	0.0	16566.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16566.0	0.0	16566.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33132.0	0.0	33132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.5	1.2
10°-20°	1261.8	3.8
20°-30°	2367.4	7.1
30°-40°	3915.2	11.8
40°-50°	6064.1	18.3
50°-60°	9300.6	28.1
60°-70°	8678.5	26.2
70°-80°	1010.0	3.0
80°-90°	141.9	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°	33132.0	100.0
0°-180°	33132.0	100.0

Coefficient of Utilization



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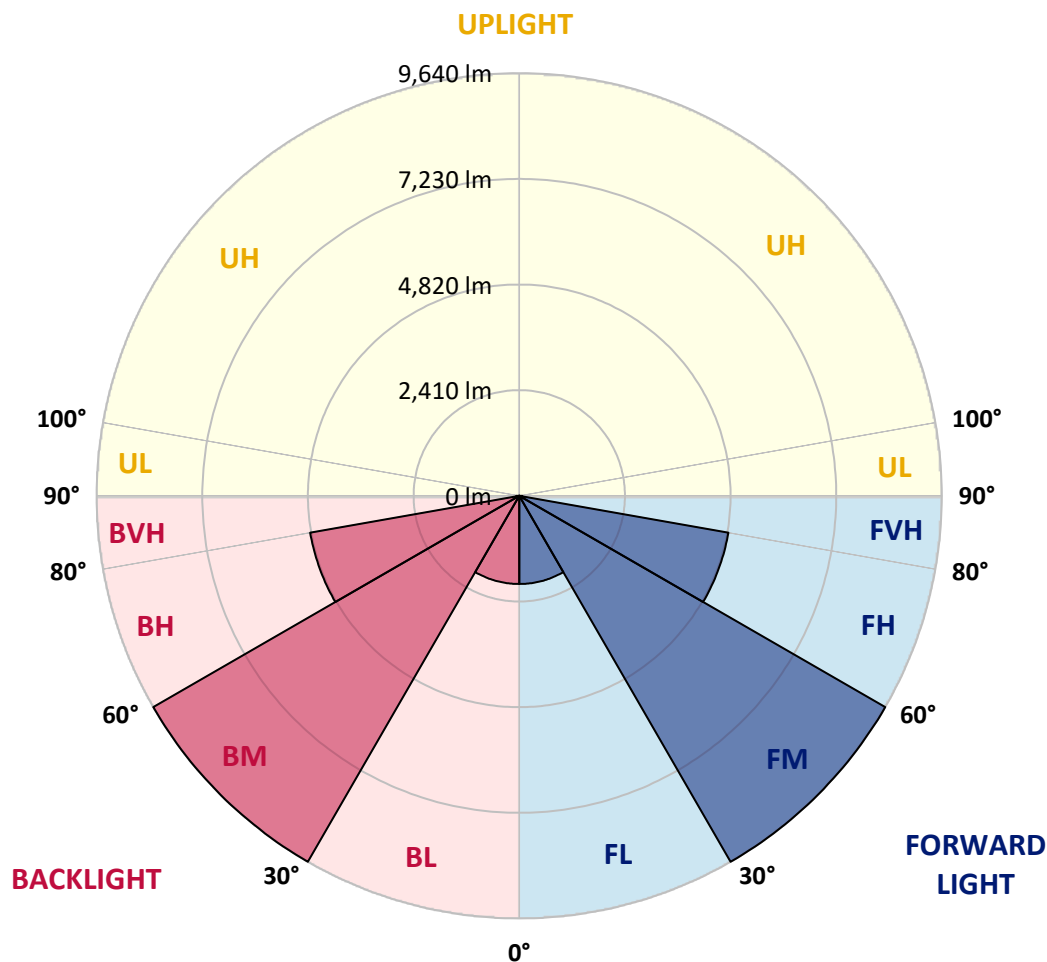
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2010.9	6.1			
FM	(30°-60°)	9639.9	29.1			
FH	(60°-80°)	4844.3	14.6			G2/5000
FVH	(80°-90°)	71.0	0.2			G1/100
BL	(0°-30°)	2010.9	6.1	B3/2500		
BM	(30°-60°)	9639.9	29.1	B5		
BH	(60°-80°)	4844.3	14.6	B4/5000		G2/5000
BVH	(80°-90°)	71.0	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4014.3	4012.1	4014.3	4015.4	4008.8	4012.1	4011.0	4016.5	4018.7	4016.5	4016.5
5°	4060.5	4057.2	4061.6	4067.1	4058.3	4060.5	4057.2	4063.8	4066.0	4061.6	4064.9
7.5°	4124.3	4125.4	4129.8	4139.7	4134.2	4138.6	4132.0	4133.1	4132.0	4125.4	4126.5
10°	4193.6	4194.7	4202.4	4215.6	4217.8	4217.8	4213.4	4210.1	4205.7	4201.3	4202.4
12.5°	4277.2	4282.7	4288.2	4304.7	4304.7	4313.5	4311.3	4302.5	4294.8	4288.2	4288.2
15°	4390.4	4389.3	4395.9	4412.4	4420.1	4434.4	4434.4	4422.3	4412.4	4405.8	4403.6
17.5°	4509.2	4512.5	4516.9	4536.7	4548.8	4565.3	4567.5	4557.6	4551.0	4542.2	4536.7
20°	4647.8	4653.3	4670.9	4678.6	4689.6	4705.0	4710.5	4708.3	4701.7	4697.3	4698.4
22.5°	4809.5	4823.8	4834.8	4845.8	4859.0	4870.0	4875.5	4883.2	4876.6	4873.3	4871.1
25°	5005.2	5015.1	5037.1	5056.9	5065.7	5069.0	5075.6	5086.6	5085.5	5077.8	5077.8
27.5°	5227.4	5246.1	5273.6	5302.2	5302.2	5291.2	5313.2	5331.9	5325.3	5315.4	5302.2
30°	5496.9	5514.4	5546.3	5585.9	5566.1	5558.4	5588.1	5622.2	5612.3	5595.8	5593.6
32.5°	5787.2	5803.7	5845.5	5888.4	5863.1	5852.1	5884.0	5933.5	5915.9	5882.9	5863.1
35°	6101.7	6118.2	6177.6	6229.3	6186.4	6167.7	6194.1	6248.0	6217.2	6155.6	6140.2
37.5°	6443.8	6452.6	6529.6	6582.4	6552.7	6503.2	6536.2	6575.8	6549.4	6474.6	6444.9
40°	6799.0	6830.9	6920.0	6981.6	6929.9	6851.8	6906.8	6961.8	6922.2	6826.5	6775.9
42.5°	7213.7	7237.8	7356.6	7411.6	7328.0	7218.1	7292.8	7367.6	7328.0	7235.6	7191.7
45°	7644.8	7682.2	7824.0	7879.0	7758.1	7618.4	7709.7	7840.5	7837.2	7704.2	7658.0
47.5°	8114.4	8151.8	8321.2	8393.7	8262.9	8075.9	8204.6	8389.4	8376.2	8229.9	8192.5
50°	8656.6	8696.2	8907.4	8998.6	8876.6	8658.8	8852.4	9015.1	8990.9	8810.6	8813.9
52.5°	9337.4	9335.2	9598.0	9756.4	9631.0	9438.6	9616.7	9775.1	9675.0	9425.4	9417.7
55°	9933.5	9969.8	10295.3	10595.6	10587.9	10514.2	10585.7	10592.3	10306.3	9974.2	9933.5
57.5°	10325.0	10394.3	10852.9	11396.2	11803.2	11901.0	11762.5	11342.3	10672.6	10141.3	10076.5
60°	10084.2	10189.7	10910.1	12017.6	13216.4	13791.6	13009.7	11706.4	10387.7	9647.5	9559.5
62.5°	8458.6	8636.8	9691.5	11717.4	14432.8	16114.4	13913.7	11122.4	9254.9	8235.4	8084.7
65°	5151.5	5339.6	6611.0	9644.2	14235.9	17953.3	13501.3	9231.8	6755.0	5487.0	5324.2
67.5°	1716.8	1771.8	2520.8	5330.8	11188.4	16130.9	11207.1	5526.5	2939.8	1948.9	1891.7
70°	672.0	677.5	799.6	1545.2	5283.5	11079.5	5830.1	1572.7	835.9	661.0	675.3
72.5°	493.8	496.0	530.1	645.6	1377.0	4881.0	1426.5	648.9	515.8	463.0	463.0
75°	397.0	397.0	421.2	470.7	617.0	1119.6	625.8	465.2	403.6	369.5	365.1
77.5°	313.4	320.0	338.7	370.6	417.9	538.9	433.3	368.4	325.5	293.6	287.1
80°	233.2	239.8	270.6	286.0	300.2	373.9	320.0	288.2	257.4	220.0	213.4
82.5°	152.9	159.5	198.0	206.8	203.5	244.2	215.6	212.3	189.2	141.9	135.3
85°	100.1	102.3	132.0	137.5	126.5	111.1	137.5	145.2	132.0	92.4	89.1
87.5°	47.3	47.3	67.1	62.7	57.2	46.2	62.7	73.7	74.8	45.1	44.0
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)