

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: P316962

Luminaire Tested: **GAN-SA8B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316962
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-SA8B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 37541 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

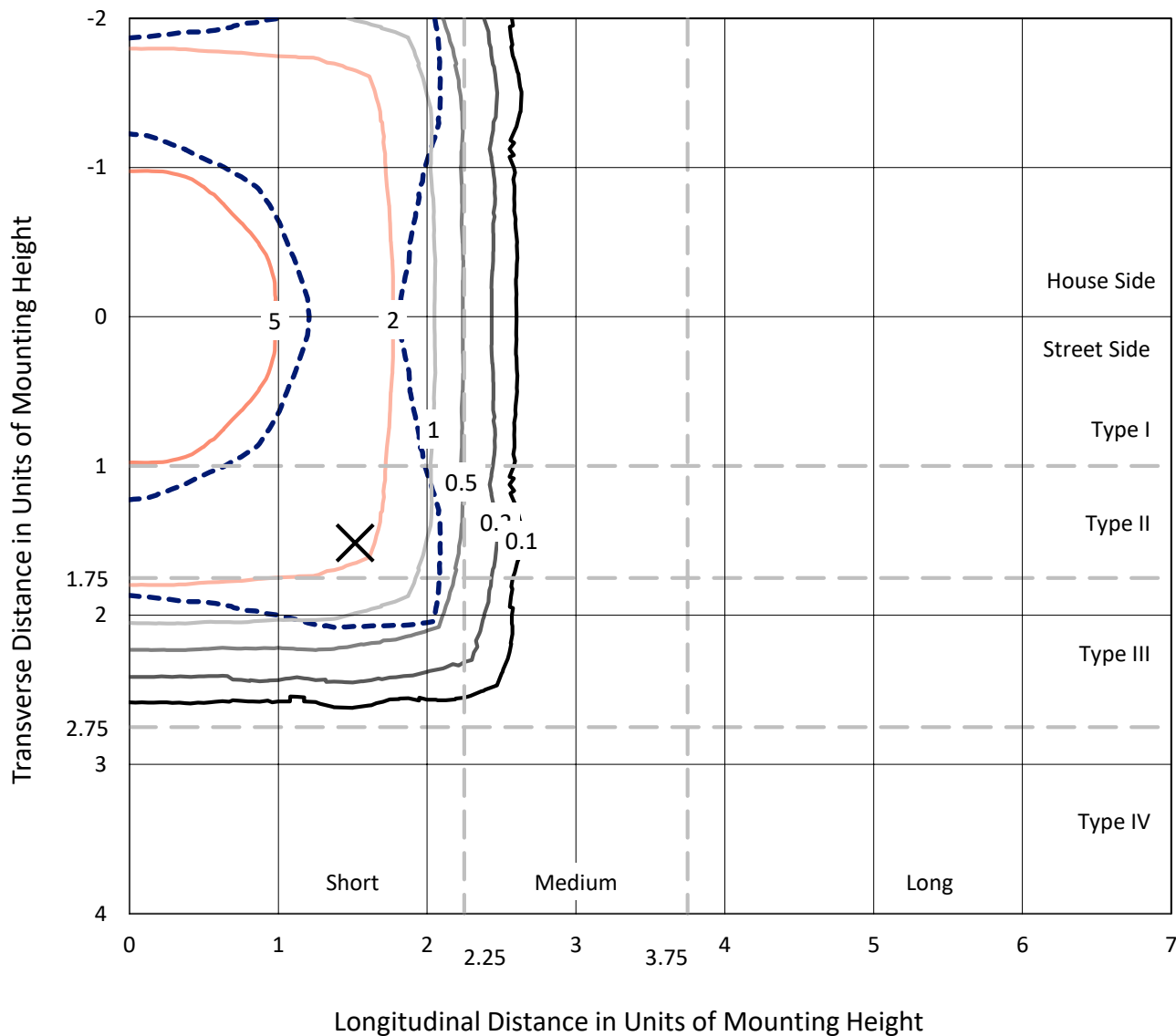
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

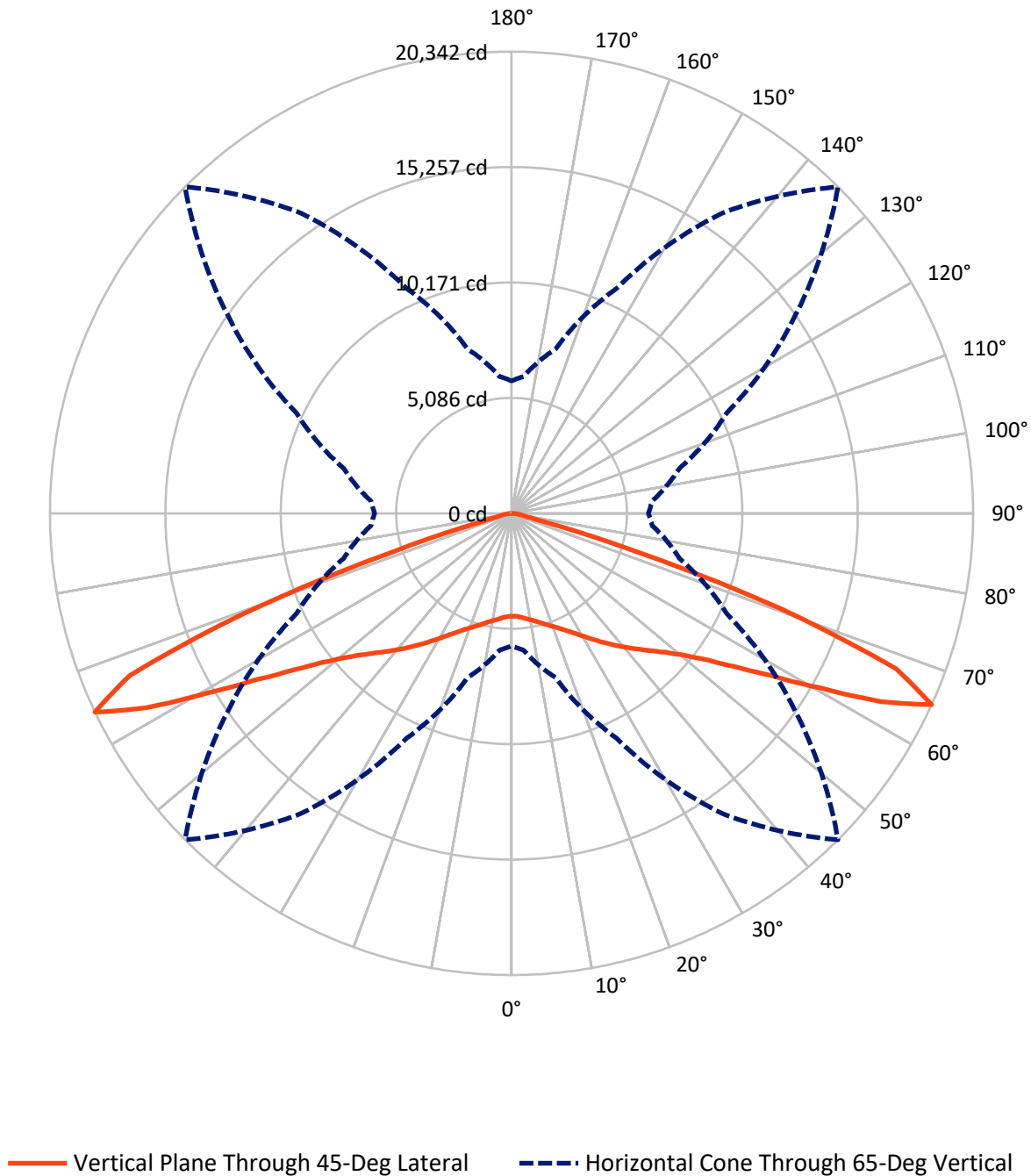
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	18770.5	0.0	18770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18770.5	0.0	18770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37541.0	0.0	37541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.8	1.2
10°-20°	1429.7	3.8
20°-30°	2682.4	7.1
30°-40°	4436.2	11.8
40°-50°	6871.0	18.3
50°-60°	10538.2	28.1
60°-70°	9833.4	26.2
70°-80°	1144.5	3.0
80°-90°	160.8	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°	37541.0	100.0
0°-180°	37541.0	100.0

Coefficient of Utilization



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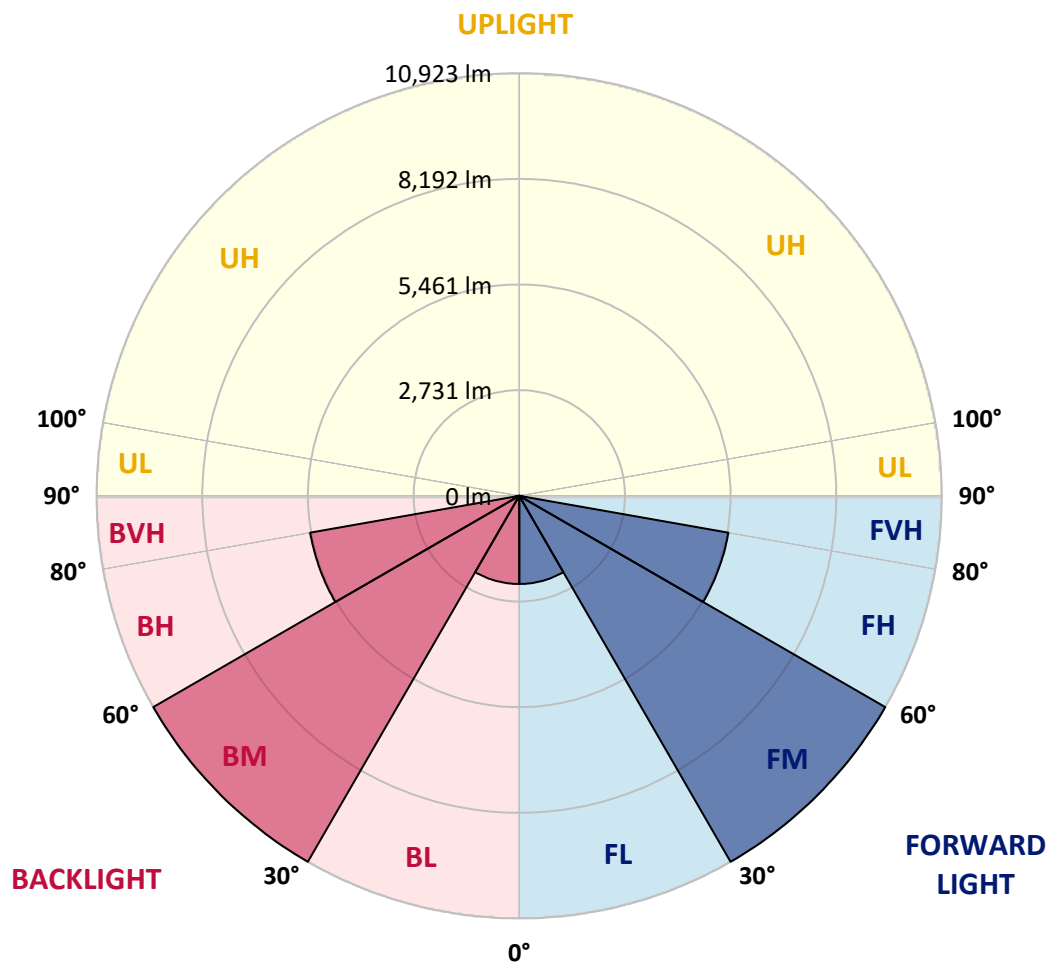
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2278.5	6.1			
FM	(30°-60°)	10922.7	29.1			
FH	(60°-80°)	5488.9	14.6			G3/7500
FVH	(80°-90°)	80.4	0.2			G1/100
BL	(0°-30°)	2278.5	6.1	B3/2500		
BM	(30°-60°)	10922.7	29.1	B5		
BH	(60°-80°)	5488.9	14.6	B5		G3/7500
BVH	(80°-90°)	80.4	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°	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6	4533.6
2.5°	4548.5	4546.0	4548.5	4549.8	4542.3	4546.0	4544.8	4551.0	4553.5	4551.0	4551.0
5°	4600.8	4597.1	4602.1	4608.3	4598.4	4600.8	4597.1	4604.6	4607.1	4602.1	4605.8
7.5°	4673.1	4674.4	4679.4	4690.6	4684.3	4689.3	4681.8	4683.1	4681.8	4674.4	4675.6
10°	4751.6	4752.9	4761.6	4776.6	4779.0	4779.0	4774.1	4770.3	4765.3	4760.4	4761.6
12.5°	4846.3	4852.6	4858.8	4877.5	4877.5	4887.5	4885.0	4875.0	4866.3	4858.8	4858.8
15°	4974.7	4973.4	4980.9	4999.6	5008.3	5024.5	5024.5	5010.8	4999.6	4992.1	4989.6
17.5°	5109.3	5113.0	5118.0	5140.4	5154.1	5172.8	5175.3	5164.1	5156.6	5146.7	5140.4
20°	5266.3	5272.5	5292.5	5301.2	5313.7	5331.1	5337.3	5334.8	5327.4	5322.4	5323.6
22.5°	5449.5	5465.7	5478.1	5490.6	5505.6	5518.0	5524.3	5533.0	5525.5	5521.8	5519.3
25°	5671.3	5682.5	5707.4	5729.9	5739.8	5743.6	5751.1	5763.5	5762.3	5753.5	5753.5
27.5°	5923.0	5944.2	5975.4	6007.8	6007.8	5995.3	6020.2	6041.4	6033.9	6022.7	6007.8
30°	6228.3	6248.3	6284.4	6329.3	6306.8	6298.1	6331.8	6370.4	6359.2	6340.5	6338.0
32.5°	6557.3	6576.0	6623.4	6672.0	6643.3	6630.8	6667.0	6723.1	6703.1	6665.7	6643.3
35°	6913.7	6932.4	6999.7	7058.3	7009.7	6988.5	7018.4	7079.5	7044.6	6974.8	6957.3
37.5°	7301.3	7311.3	7398.5	7458.3	7424.7	7368.6	7406.0	7450.8	7420.9	7336.2	7302.5
40°	7703.8	7739.9	7840.9	7910.7	7852.1	7763.6	7825.9	7888.2	7843.4	7735.0	7677.6
42.5°	8173.6	8201.0	8335.6	8397.9	8303.2	8178.6	8263.3	8348.1	8303.2	8198.5	8148.7
45°	8662.1	8704.5	8865.2	8927.5	8790.5	8632.2	8735.6	8883.9	8880.2	8729.4	8677.1
47.5°	9194.2	9236.6	9428.5	9510.7	9362.4	9150.6	9296.4	9505.8	9490.8	9325.1	9282.7
50°	9808.6	9853.4	10092.7	10196.1	10057.8	9811.1	10030.4	10214.8	10187.4	9983.0	9986.8
52.5°	10579.9	10577.5	10875.3	11054.7	10912.7	10694.6	10896.5	11075.9	10962.5	10679.6	10670.9
55°	11255.4	11296.5	11665.4	12005.6	11996.8	11913.3	11994.3	12001.8	11677.8	11301.5	11255.4
57.5°	11699.0	11777.5	12297.2	12912.8	13373.9	13484.8	13327.7	12851.7	12092.8	11490.9	11417.4
60°	11426.1	11545.7	12362.0	13616.9	14975.2	15626.9	14740.9	13264.2	11770.0	10931.4	10831.7
62.5°	9584.3	9786.1	10981.2	13276.7	16353.4	18258.8	15765.2	12602.5	10486.5	9331.3	9160.6
65°	5837.0	6050.1	7490.7	10927.6	16130.4	20342.4	15297.9	10460.3	7654.0	6217.1	6032.7
67.5°	1945.3	2007.6	2856.2	6040.2	12677.2	18277.5	12698.4	6262.0	3331.0	2208.2	2143.4
70°	761.4	767.6	906.0	1750.9	5986.6	12553.9	6605.9	1782.0	947.1	748.9	765.1
72.5°	559.5	562.0	600.7	731.5	1560.2	5530.5	1616.3	735.2	584.5	524.6	524.6
75°	449.9	449.9	477.3	533.4	699.1	1268.6	709.1	527.1	457.3	418.7	413.7
77.5°	355.2	362.6	383.8	420.0	473.5	610.6	491.0	417.5	368.9	332.7	325.2
80°	264.2	271.7	306.6	324.0	340.2	423.7	362.6	326.5	291.6	249.2	241.8
82.5°	173.2	180.7	224.3	234.3	230.5	276.6	244.2	240.5	214.3	160.8	153.3
85°	113.4	115.9	149.5	155.8	143.3	125.9	155.8	164.5	149.5	104.7	100.9
87.5°	53.6	53.6	76.0	71.0	64.8	52.3	71.0	83.5	84.7	51.1	49.8
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)