

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: P316960

Luminaire Tested: **GAN-SA6B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316960
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-SA6B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 28016 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

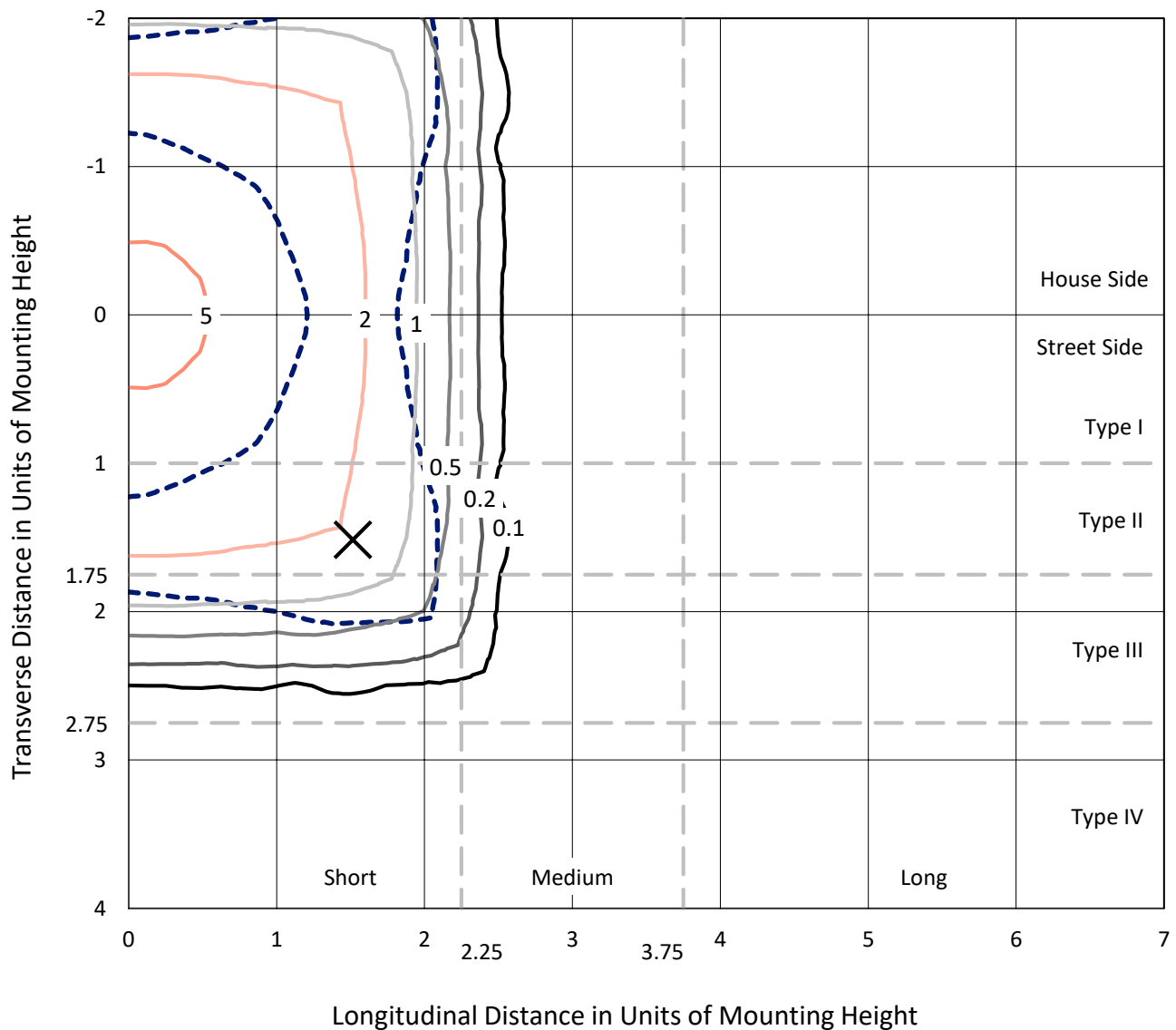
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

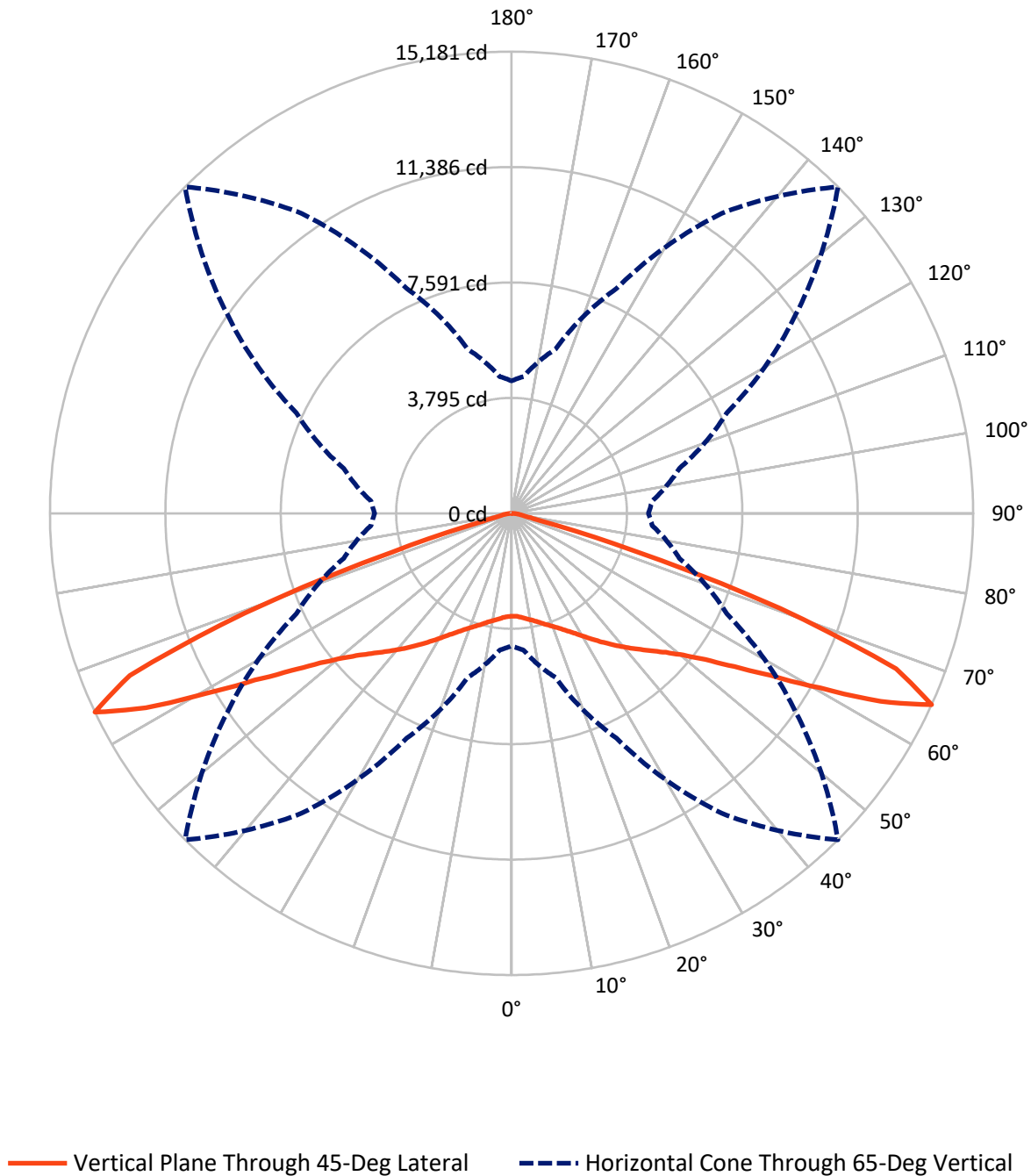
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14008.0	0.0	14008.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14008.0	0.0	14008.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28016.0	0.0	28016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.9	1.2
10°-20°	1067.0	3.8
20°-30°	2001.8	7.1
30°-40°	3310.6	11.8
40°-50°	5127.7	18.3
50°-60°	7864.5	28.1
60°-70°	7338.4	26.2
70°-80°	854.1	3.0
80°-90°	120.0	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°	28016.0	100.0
0°-180°	28016.0	100.0

Coefficient of Utilization



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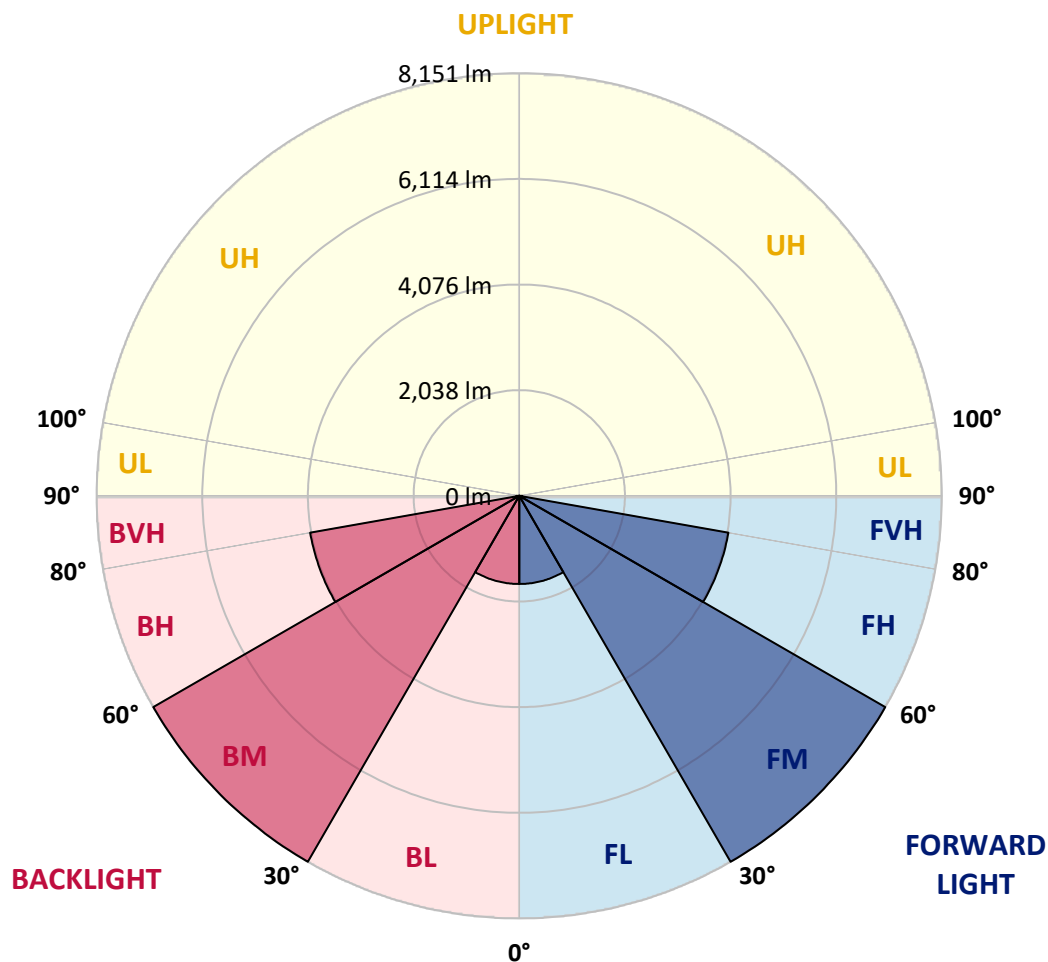
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1700.4	6.1			
FM	(30°-60°)	8151.4	29.1			
FH	(60°-80°)	4096.2	14.6			G2/5000
FVH	(80°-90°)	60.0	0.2			G1/100
BL	(0°-30°)	1700.4	6.1	B3/2500		
BM	(30°-60°)	8151.4	29.1	B4/8500		
BH	(60°-80°)	4096.2	14.6	B4/5000		G2/5000
BVH	(80°-90°)	60.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3	3383.3
2.5°	3394.4	3392.6	3394.4	3395.4	3389.8	3392.6	3391.7	3396.3	3398.2	3396.3	3396.3
5°	3433.5	3430.7	3434.4	3439.1	3431.6	3433.5	3430.7	3436.3	3438.2	3434.4	3437.2
7.5°	3487.4	3488.4	3492.1	3500.5	3495.8	3499.5	3494.0	3494.9	3494.0	3488.4	3489.3
10°	3546.0	3547.0	3553.5	3564.6	3566.5	3566.5	3562.8	3560.0	3556.3	3552.5	3553.5
12.5°	3616.7	3621.4	3626.0	3640.0	3640.0	3647.4	3645.5	3638.1	3631.6	3626.0	3626.0
15°	3712.5	3711.6	3717.2	3731.1	3737.6	3749.7	3749.7	3739.5	3731.1	3725.5	3723.7
17.5°	3812.9	3815.7	3819.4	3836.2	3846.4	3860.4	3862.2	3853.9	3848.3	3840.8	3836.2
20°	3930.1	3934.8	3949.6	3956.2	3965.5	3978.5	3983.1	3981.3	3975.7	3972.0	3972.9
22.5°	4066.8	4078.9	4088.2	4097.5	4108.7	4118.0	4122.6	4129.1	4123.6	4120.8	4118.9
25°	4232.4	4240.7	4259.3	4276.1	4283.5	4286.3	4291.9	4301.2	4300.3	4293.7	4293.7
27.5°	4420.2	4436.0	4459.3	4483.5	4483.5	4474.2	4492.8	4508.6	4503.0	4494.6	4483.5
30°	4648.1	4662.9	4689.9	4723.4	4706.7	4700.1	4725.3	4754.1	4745.7	4731.8	4729.9
32.5°	4893.6	4907.5	4942.9	4979.1	4957.8	4948.5	4975.4	5017.3	5002.4	4974.5	4957.8
35°	5159.6	5173.5	5223.7	5267.4	5231.2	5215.4	5237.7	5283.2	5257.2	5205.1	5192.1
37.5°	5448.8	5456.2	5521.3	5566.0	5540.9	5499.0	5526.9	5560.4	5538.1	5474.8	5449.7
40°	5749.2	5776.1	5851.5	5903.5	5859.8	5793.8	5840.3	5886.8	5853.3	5772.4	5729.6
42.5°	6099.8	6120.2	6220.7	6267.2	6196.5	6103.5	6166.7	6230.0	6196.5	6118.4	6081.2
45°	6464.3	6495.9	6615.9	6662.4	6560.1	6442.0	6519.2	6629.9	6627.1	6514.5	6475.5
47.5°	6861.4	6893.1	7036.3	7097.6	6987.0	6828.9	6937.7	7093.9	7082.8	6959.1	6927.5
50°	7319.9	7353.4	7532.0	7609.1	7505.9	7321.8	7485.5	7623.1	7602.6	7450.1	7452.9
52.5°	7895.6	7893.7	8116.0	8249.9	8143.9	7981.1	8131.8	8265.7	8181.1	7970.0	7963.5
55°	8399.6	8430.3	8705.6	8959.5	8953.0	8890.7	8951.1	8956.7	8714.9	8434.0	8399.6
57.5°	8730.7	8789.3	9177.1	9636.5	9980.6	10063.4	9946.2	9590.9	9024.6	8575.4	8520.5
60°	8527.0	8616.3	9225.5	10162.0	11175.6	11662.0	11000.8	9898.8	8783.7	8157.8	8083.4
62.5°	7152.5	7303.2	8195.0	9908.1	12204.2	13626.1	11765.2	9404.9	7825.8	6963.7	6836.3
65°	4356.1	4515.1	5590.1	8155.0	12037.7	15181.1	11416.5	7806.3	5712.0	4639.7	4502.1
67.5°	1451.7	1498.2	2131.5	4507.6	9460.7	13640.1	9476.6	4673.2	2485.9	1647.9	1599.6
70°	568.2	572.9	676.1	1306.6	4467.6	9368.7	4929.9	1329.9	706.8	558.9	571.0
72.5°	417.6	419.4	448.3	545.9	1164.3	4127.3	1206.2	548.7	436.2	391.5	391.5
75°	335.7	335.7	356.2	398.0	521.7	946.7	529.2	393.4	341.3	312.5	308.8
77.5°	265.0	270.6	286.4	313.4	353.4	455.7	366.4	311.5	275.3	248.3	242.7
80°	197.2	202.7	228.8	241.8	253.9	316.2	270.6	243.7	217.6	186.0	180.4
82.5°	129.3	134.8	167.4	174.8	172.0	206.5	182.3	179.5	160.0	120.0	114.4
85°	84.6	86.5	111.6	116.2	106.9	93.9	116.2	122.8	111.6	78.1	75.3
87.5°	40.0	40.0	56.7	53.0	48.4	39.1	53.0	62.3	63.2	38.1	37.2
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)