

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: P316951

Luminaire Tested: **GAN-SA7A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316951
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-SA7A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27019 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

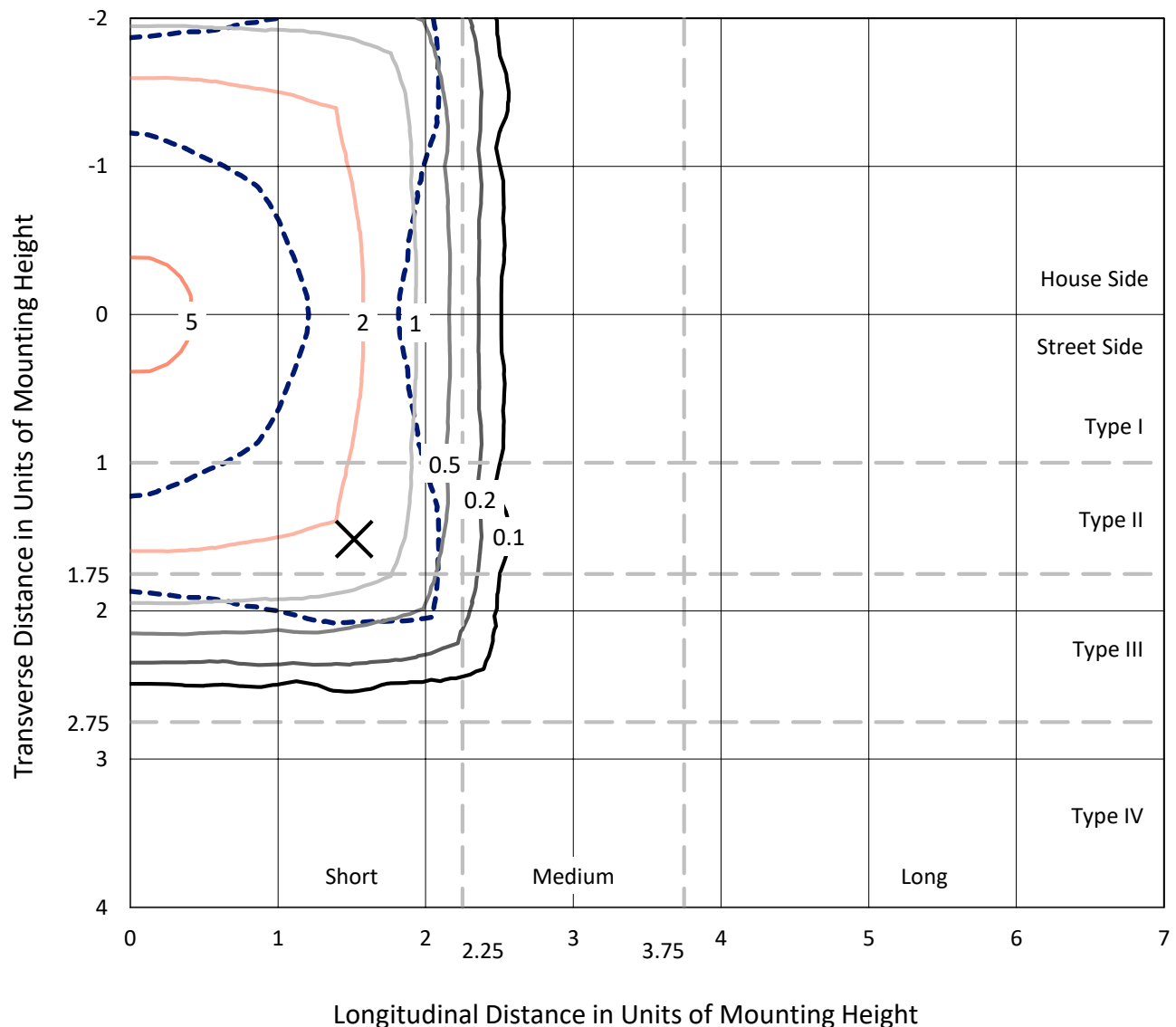
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316951
 CATALOG NUMBER: GAN-SA7A-830-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

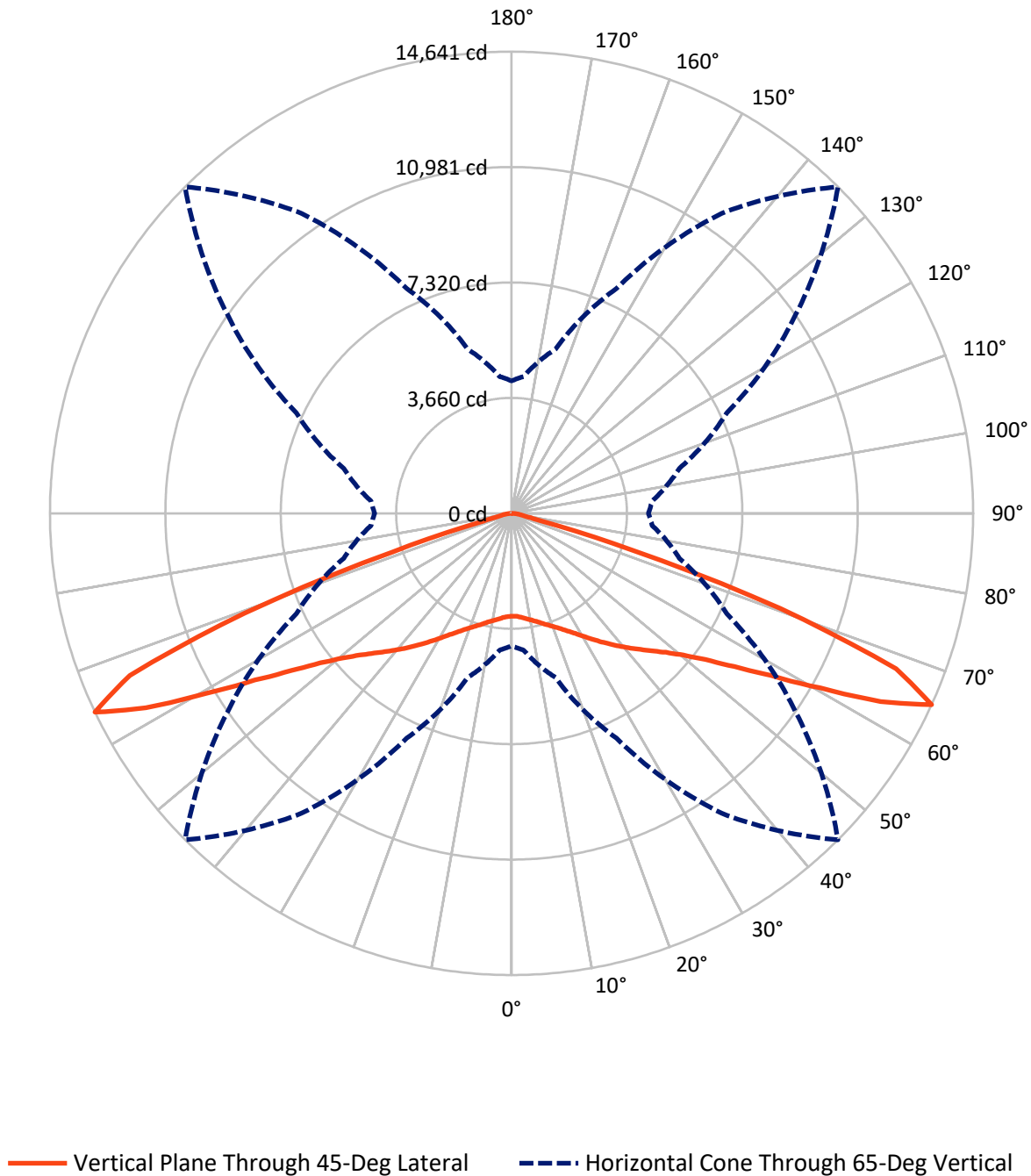
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P316951
CATALOG NUMBER: GAN-SA7A-830-U-5NQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13509.5	0.0	13509.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13509.5	0.0	13509.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27019.0	0.0	27019.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.1	1.2
10°-20°	1029.0	3.8
20°-30°	1930.6	7.1
30°-40°	3192.8	11.8
40°-50°	4945.2	18.3
50°-60°	7584.6	28.1
60°-70°	7077.3	26.2
70°-80°	823.7	3.0
80°-90°	115.7	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°	27019.0	100.0
0°-180°	27019.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316951

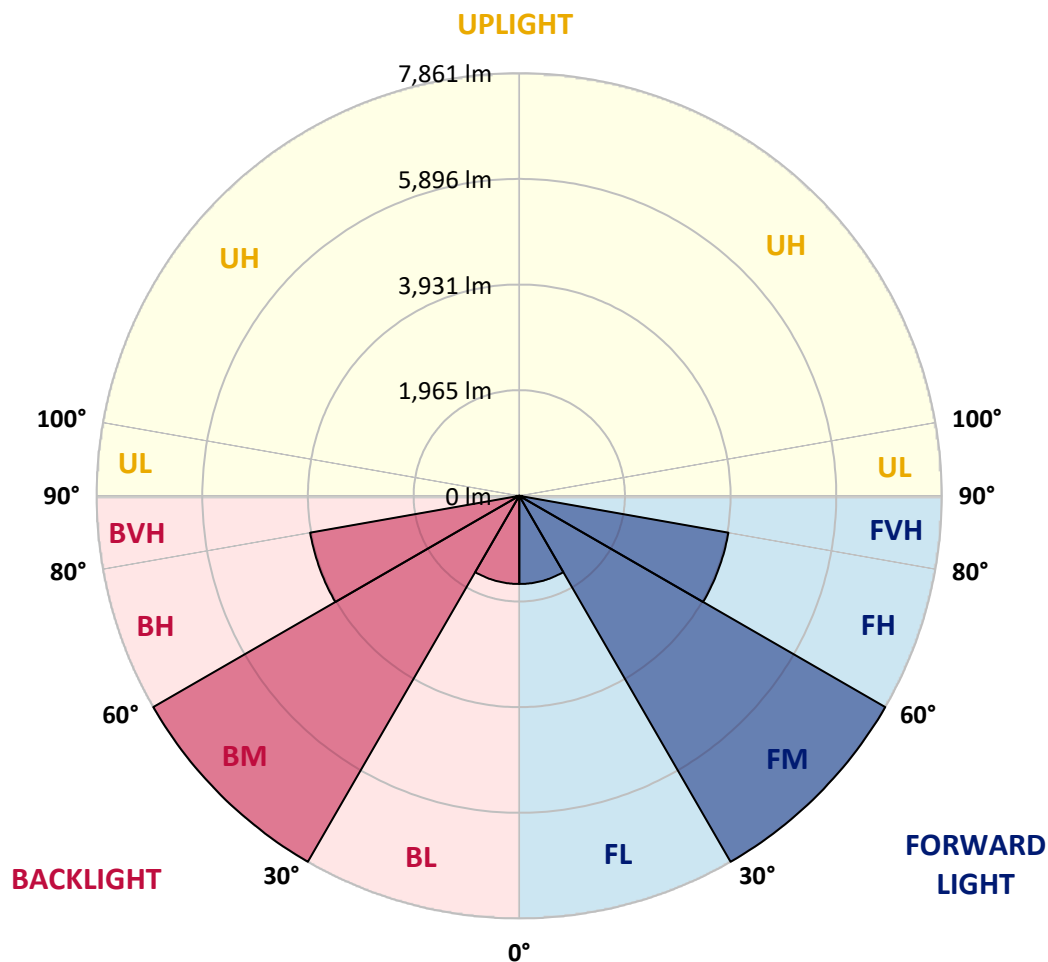
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1639.9	6.1			
FM	(30°-60°)	7861.3	29.1			
FH	(60°-80°)	3950.5	14.6			G2/5000
FVH	(80°-90°)	57.9	0.2			G1/100
BL	(0°-30°)	1639.9	6.1	B3/2500		
BM	(30°-60°)	7861.3	29.1	B4/8500		
BH	(60°-80°)	3950.5	14.6	B4/5000		G2/5000
BVH	(80°-90°)	57.9	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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CATALOG NUMBER: GAN-SA7A-830-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9	3262.9
2.5°	3273.6	3271.9	3273.6	3274.5	3269.2	3271.9	3271.0	3275.4	3277.2	3275.4	3275.4
5°	3311.3	3308.6	3312.2	3316.7	3309.5	3311.3	3308.6	3314.0	3315.8	3312.2	3314.9
7.5°	3363.3	3364.2	3367.8	3375.9	3371.4	3375.0	3369.6	3370.5	3369.6	3364.2	3365.1
10°	3419.8	3420.7	3427.0	3437.8	3439.6	3439.6	3436.0	3433.3	3429.7	3426.1	3427.0
12.5°	3488.0	3492.5	3497.0	3510.4	3510.4	3517.6	3515.8	3508.6	3502.4	3497.0	3497.0
15°	3580.4	3579.5	3584.9	3598.3	3604.6	3616.3	3616.3	3606.4	3598.3	3592.9	3591.1
17.5°	3677.2	3679.9	3683.5	3699.7	3709.5	3723.0	3724.8	3716.7	3711.3	3704.2	3699.7
20°	3790.3	3794.7	3809.1	3815.4	3824.3	3836.9	3841.4	3839.6	3834.2	3830.6	3831.5
22.5°	3922.1	3933.8	3942.7	3951.7	3962.5	3971.4	3975.9	3982.2	3976.8	3974.1	3972.3
25°	4081.7	4089.8	4107.8	4123.9	4131.1	4133.8	4139.1	4148.1	4147.2	4140.9	4140.9
27.5°	4262.9	4278.2	4300.6	4323.9	4323.9	4314.9	4332.9	4348.1	4342.7	4334.7	4323.9
30°	4482.7	4497.0	4523.0	4555.3	4539.2	4532.9	4557.1	4584.9	4576.8	4563.4	4561.6
32.5°	4719.4	4732.9	4767.0	4801.9	4781.3	4772.4	4798.4	4838.7	4824.4	4797.5	4781.3
35°	4975.9	4989.4	5037.8	5080.0	5045.0	5029.8	5051.3	5095.2	5070.1	5019.9	5007.3
37.5°	5254.9	5262.1	5324.8	5367.9	5343.7	5303.3	5330.2	5362.5	5341.0	5280.0	5255.8
40°	5544.6	5570.6	5643.2	5693.5	5651.3	5587.6	5632.5	5677.3	5645.0	5567.0	5525.7
42.5°	5882.7	5902.4	5999.3	6044.1	5976.0	5886.3	5947.3	6008.3	5976.0	5900.6	5864.8
45°	6234.3	6264.8	6380.5	6425.3	6326.7	6212.8	6287.2	6393.9	6391.2	6282.7	6245.0
47.5°	6617.3	6647.7	6785.9	6845.1	6738.3	6585.9	6690.8	6841.5	6830.7	6711.4	6680.9
50°	7059.4	7091.7	7263.9	7338.4	7238.8	7061.2	7219.1	7351.8	7332.1	7185.0	7187.7
52.5°	7614.6	7612.8	7827.2	7956.3	7854.1	7697.1	7842.4	7971.6	7889.9	7686.3	7680.1
55°	8100.7	8130.3	8395.8	8640.6	8634.4	8574.3	8632.6	8637.9	8404.8	8133.9	8100.7
57.5°	8420.0	8476.5	8850.5	9293.6	9625.4	9705.2	9592.2	9249.6	8703.4	8270.2	8217.3
60°	8223.6	8309.7	8897.2	9800.3	10777.9	11247.0	10609.3	9546.5	8471.1	7867.5	7795.8
62.5°	6898.0	7043.3	7903.4	9555.5	11769.9	13141.2	11346.6	9070.3	7547.3	6715.9	6593.0
65°	4201.0	4354.4	5391.2	7864.8	11609.3	14640.8	11010.2	7528.5	5508.7	4474.6	4341.8
67.5°	1400.0	1444.9	2055.7	4347.2	9124.1	13154.7	9139.3	4506.9	2397.4	1589.3	1542.7
70°	548.0	552.5	652.0	1260.1	4308.7	9035.3	4754.4	1282.6	681.6	539.0	550.7
72.5°	402.7	404.5	432.3	526.5	1122.9	3980.4	1163.3	529.2	420.6	377.6	377.6
75°	323.8	323.8	343.5	383.9	503.2	913.0	510.3	379.4	329.2	301.4	297.8
77.5°	255.6	261.0	276.2	302.3	340.8	439.5	353.4	300.5	265.5	239.5	234.1
80°	190.1	195.5	220.6	233.2	244.9	304.9	261.0	235.0	209.9	179.4	174.0
82.5°	124.7	130.0	161.4	168.6	165.9	199.1	175.8	173.1	154.3	115.7	110.3
85°	81.6	83.4	107.6	112.1	103.1	90.6	112.1	118.4	107.6	75.3	72.6
87.5°	38.6	38.6	54.7	51.1	46.6	37.7	51.1	60.1	61.0	36.8	35.9
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)