

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: P316911

Luminaire Tested: **GAN-SA7A-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316911
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-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 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: 24996 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

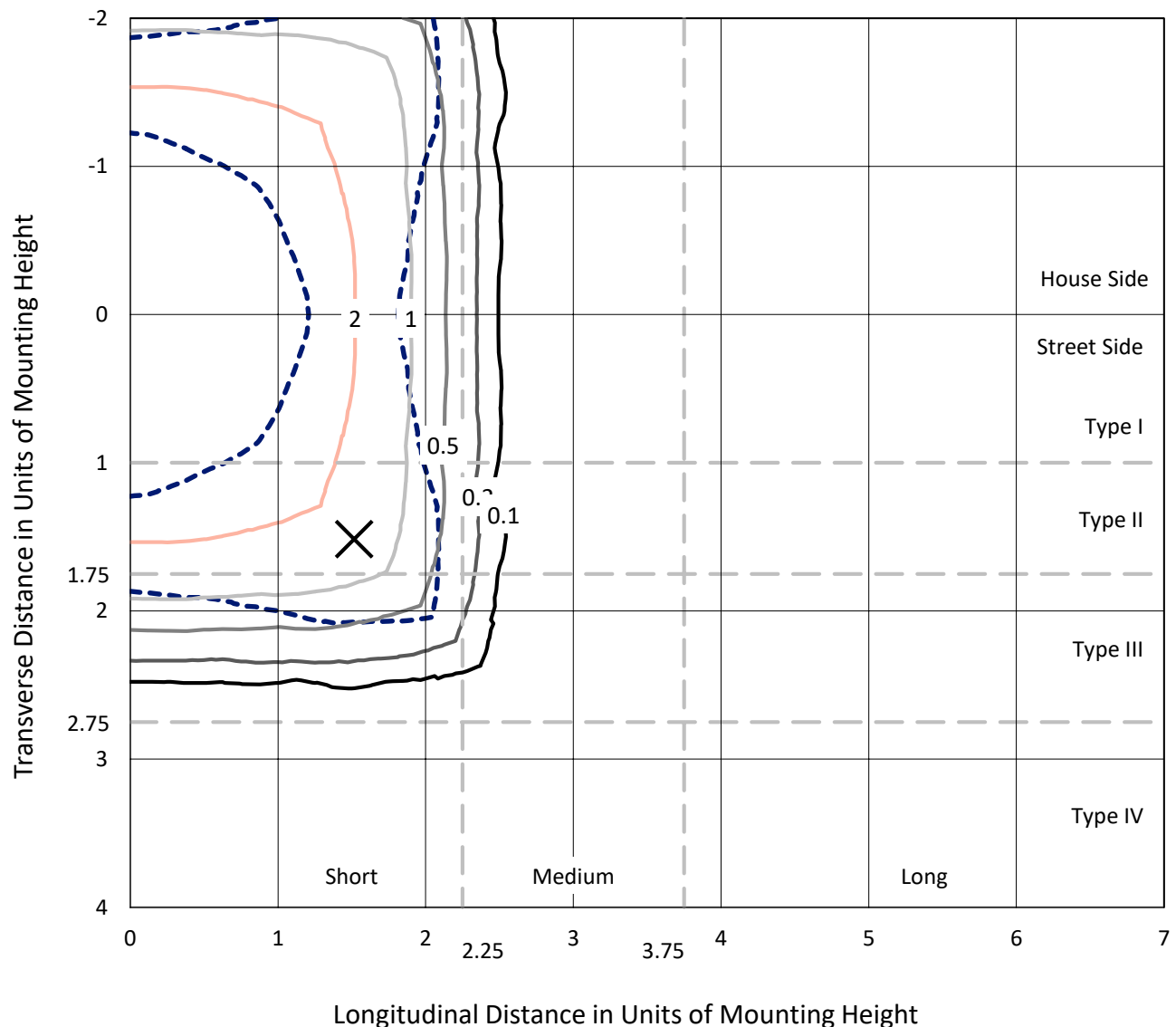
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

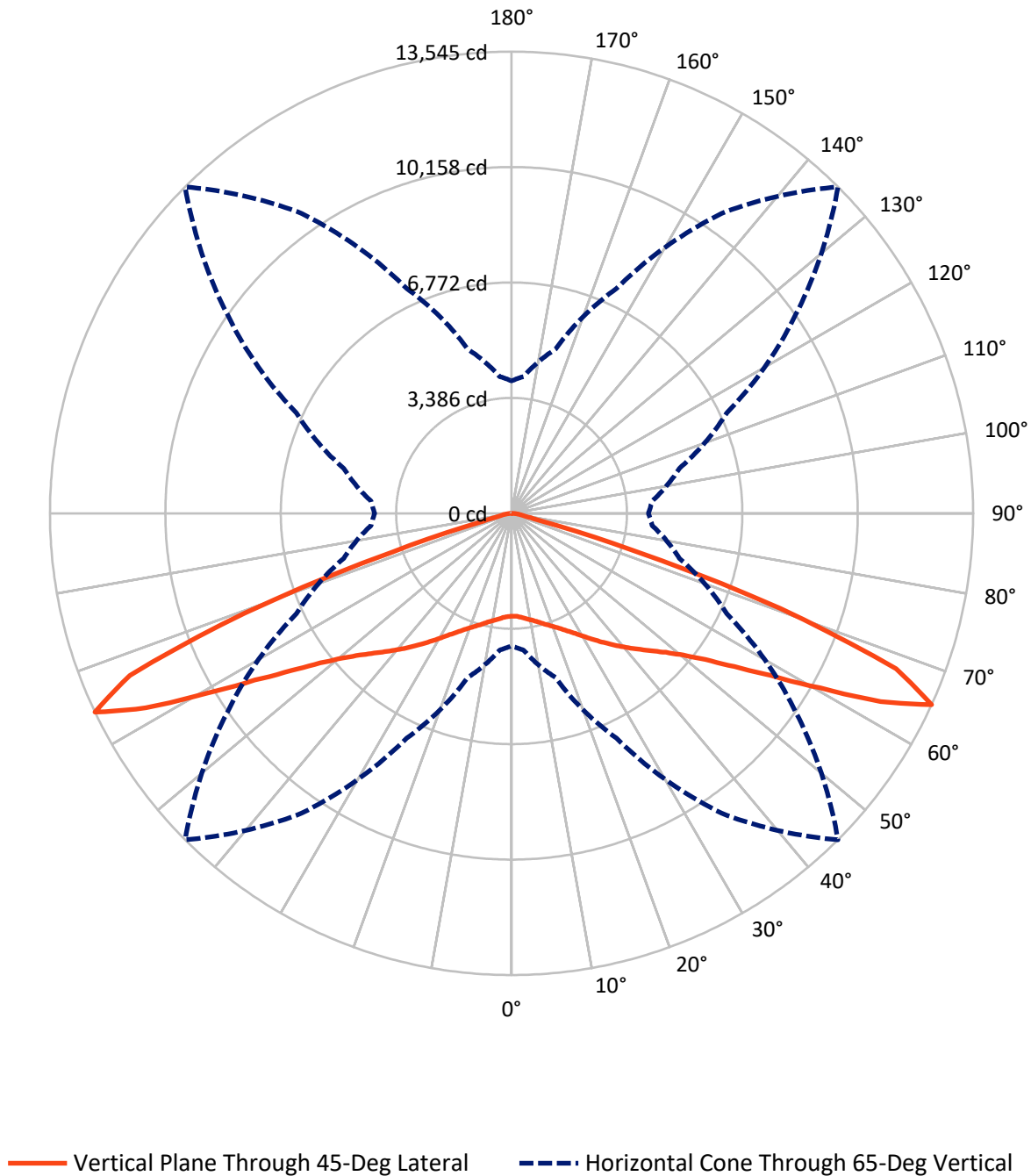
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	12498.0	0.0	12498.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12498.0	0.0	12498.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24996.0	0.0	24996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	1.2
10°-20°	951.9	3.8
20°-30°	1786.0	7.1
30°-40°	2953.7	11.8
40°-50°	4575.0	18.3
50°-60°	7016.7	28.1
60°-70°	6547.4	26.2
70°-80°	762.0	3.0
80°-90°	107.1	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°	24996.0	100.0
0°-180°	24996.0	100.0

Coefficient of Utilization



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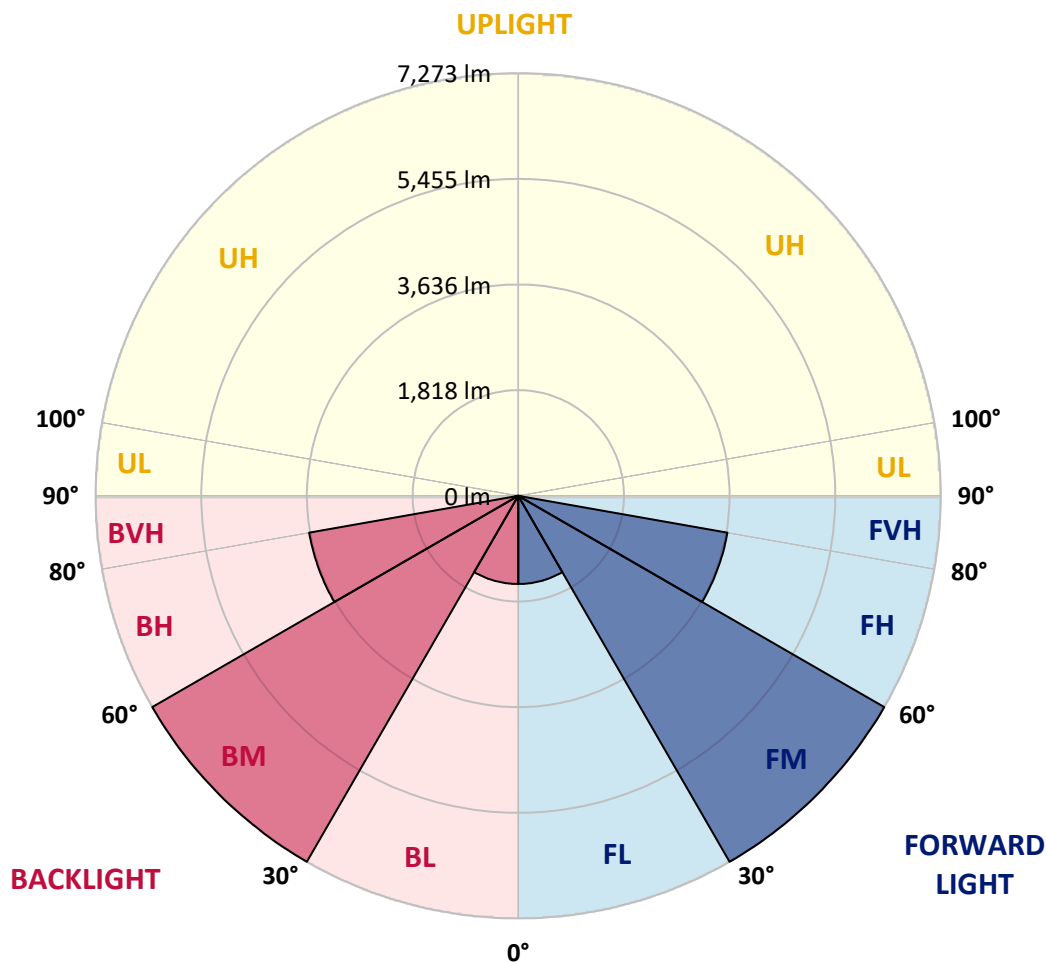
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1517.1	6.1			
FM	(30°-60°)	7272.7	29.1			
FH	(60°-80°)	3654.7	14.6			G2/5000
FVH	(80°-90°)	53.5	0.2			G1/100
BL	(0°-30°)	1517.1	6.1	B3/2500		
BM	(30°-60°)	7272.7	29.1	B4/8500		
BH	(60°-80°)	3654.7	14.6	B4/5000		G2/5000
BVH	(80°-90°)	53.5	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°	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6	3018.6
2.5°	3028.5	3026.9	3028.5	3029.4	3024.4	3026.9	3026.1	3030.2	3031.9	3030.2	3030.2
5°	3063.4	3060.9	3064.2	3068.4	3061.7	3063.4	3060.9	3065.9	3067.5	3064.2	3066.7
7.5°	3111.5	3112.3	3115.7	3123.1	3119.0	3122.3	3117.3	3118.2	3117.3	3112.3	3113.2
10°	3163.8	3164.6	3170.4	3180.4	3182.0	3182.0	3178.7	3176.2	3172.9	3169.6	3170.4
12.5°	3226.8	3231.0	3235.1	3247.6	3247.6	3254.2	3252.6	3245.9	3240.1	3235.1	3235.1
15°	3312.3	3311.5	3316.5	3328.9	3334.7	3345.5	3345.5	3336.4	3328.9	3323.9	3322.3
17.5°	3401.9	3404.4	3407.7	3422.7	3431.8	3444.2	3445.9	3438.4	3433.5	3426.8	3422.7
20°	3506.5	3510.6	3523.9	3529.7	3538.0	3549.6	3553.8	3552.1	3547.1	3543.8	3544.6
22.5°	3628.4	3639.2	3647.5	3655.8	3665.8	3674.1	3678.2	3684.0	3679.1	3676.6	3674.9
25°	3776.1	3783.6	3800.2	3815.1	3821.8	3824.3	3829.2	3837.5	3836.7	3830.9	3830.9
27.5°	3943.7	3957.8	3978.6	4000.2	4000.2	3991.9	4008.5	4022.6	4017.6	4010.1	4000.2
30°	4147.0	4160.3	4184.4	4214.2	4199.3	4193.5	4215.9	4241.6	4234.1	4221.7	4220.0
32.5°	4366.1	4378.5	4410.1	4442.4	4423.3	4415.0	4439.1	4476.4	4463.2	4438.3	4423.3
35°	4603.4	4615.8	4660.6	4699.6	4667.3	4653.2	4673.1	4713.7	4690.5	4644.0	4632.4
37.5°	4861.4	4868.1	4926.1	4966.0	4943.6	4906.2	4931.1	4961.0	4941.1	4884.7	4862.3
40°	5129.4	5153.5	5220.7	5267.2	5228.2	5169.3	5210.7	5252.2	5222.4	5150.2	5112.0
42.5°	5442.2	5460.5	5550.1	5591.6	5528.5	5445.6	5502.0	5558.4	5528.5	5458.8	5425.7
45°	5767.5	5795.7	5902.7	5944.2	5853.0	5747.6	5816.5	5915.2	5912.7	5812.3	5777.5
47.5°	6121.8	6150.0	6277.8	6332.6	6233.8	6092.8	6189.8	6329.2	6319.3	6208.9	6180.7
50°	6530.9	6560.7	6720.0	6788.9	6696.8	6532.5	6678.6	6801.4	6783.1	6647.0	6649.5
52.5°	7044.5	7042.8	7241.1	7360.6	7266.0	7120.8	7255.2	7374.7	7299.2	7110.8	7105.0
55°	7494.2	7521.6	7767.2	7993.7	7987.9	7932.3	7986.2	7991.2	7775.5	7524.9	7494.2
57.5°	7789.6	7841.8	8187.8	8597.7	8904.7	8978.6	8874.0	8557.1	8051.8	7651.0	7602.1
60°	7607.9	7687.5	8231.0	9066.5	9971.0	10404.9	9815.0	8831.7	7836.9	7278.5	7212.1
62.5°	6381.5	6515.9	7311.6	8840.0	10888.6	12157.3	10497.0	8391.1	6982.2	6213.1	6099.4
65°	3886.5	4028.4	4987.5	7276.0	10740.1	13544.6	10185.9	6964.8	5096.2	4139.6	4016.8
67.5°	1295.2	1336.7	1901.8	4021.7	8440.9	12169.8	8455.0	4169.4	2217.9	1470.3	1427.1
70°	507.0	511.1	603.2	1165.8	3986.1	8358.8	4398.4	1186.5	630.6	498.7	509.5
72.5°	372.6	374.2	399.9	487.1	1038.8	3682.4	1076.2	489.5	389.1	349.3	349.3
75°	299.5	299.5	317.8	355.1	465.5	844.7	472.1	351.0	304.5	278.8	275.5
77.5°	236.5	241.5	255.6	279.6	315.3	406.6	326.9	278.0	245.6	221.5	216.6
80°	175.9	180.9	204.1	215.7	226.5	282.1	241.5	217.4	194.2	165.9	161.0
82.5°	115.3	120.3	149.4	156.0	153.5	184.2	162.6	160.1	142.7	107.0	102.1
85°	75.5	77.2	99.6	103.7	95.4	83.8	103.7	109.5	99.6	69.7	67.2
87.5°	35.7	35.7	50.6	47.3	43.1	34.8	47.3	55.6	56.4	34.0	33.2
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)