

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: P316767

Luminaire Tested: **GAN-SA3C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316767
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-SA3C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20285 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

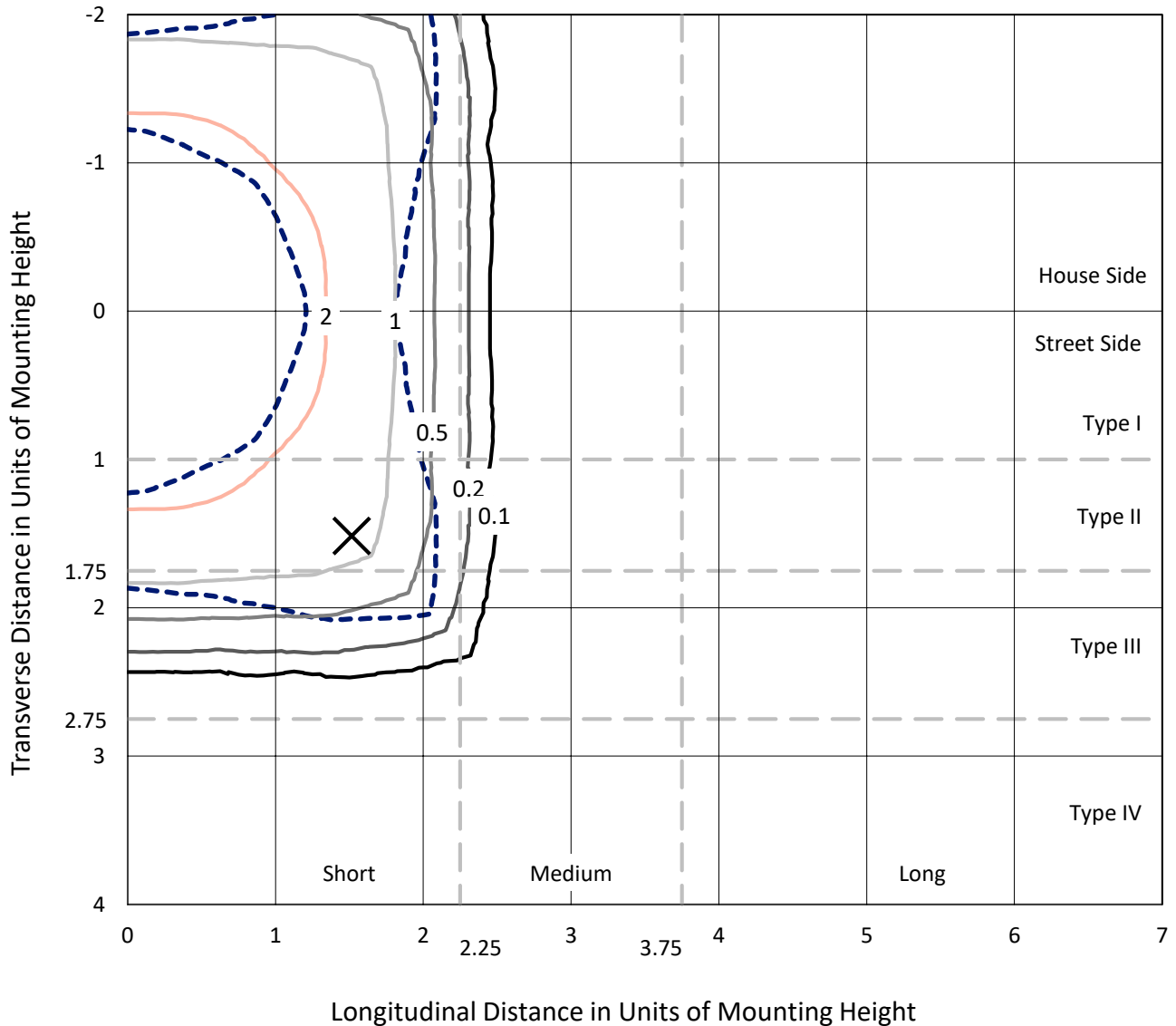
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

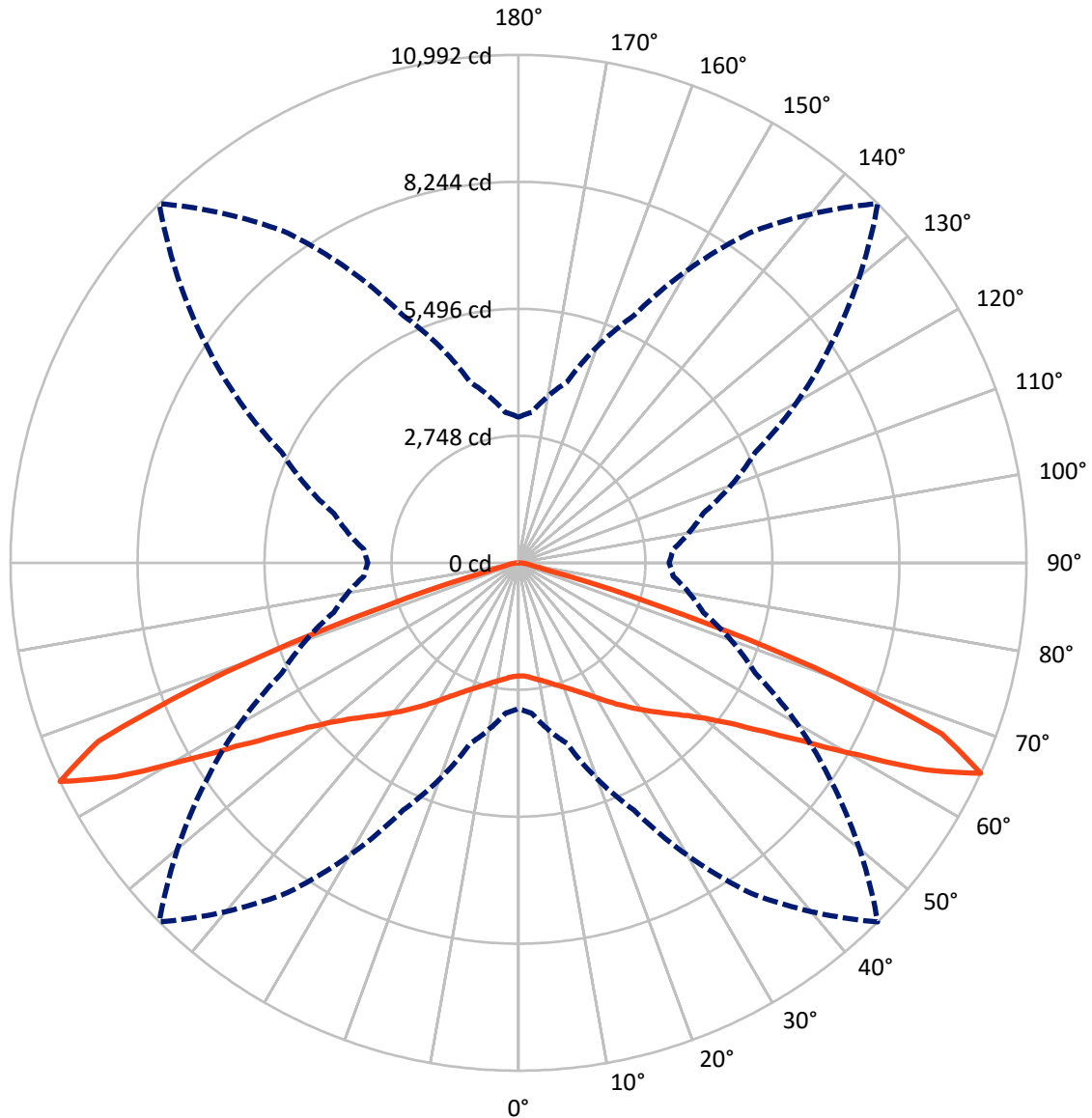
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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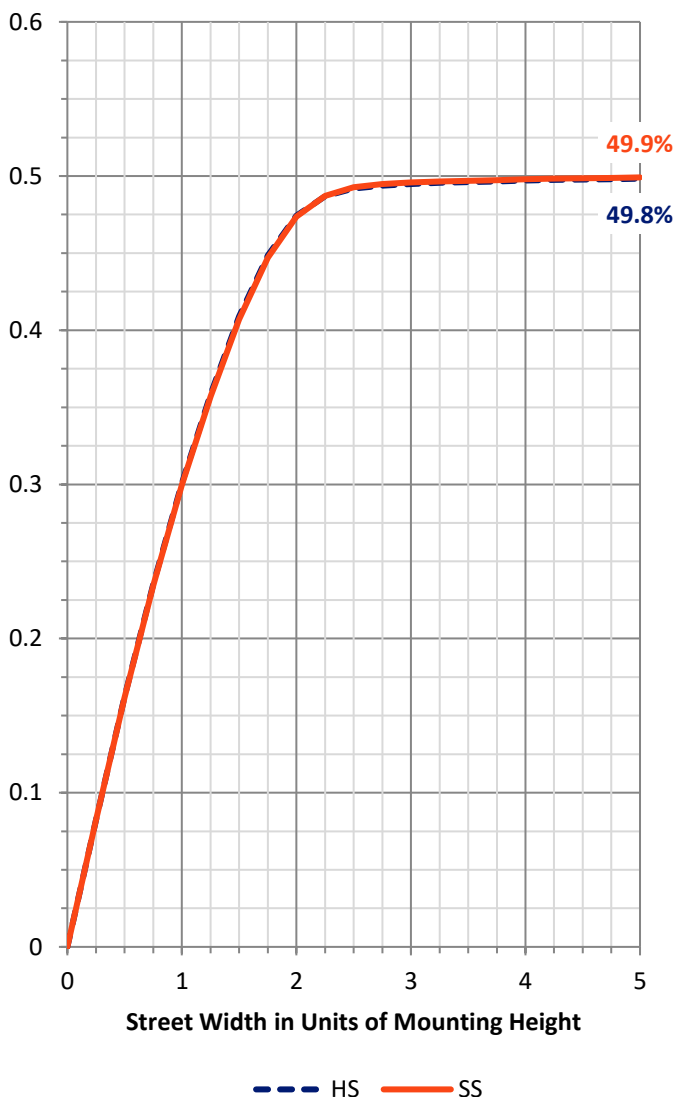
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10142.5	0.0	10142.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10142.5	0.0	10142.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20285.0	0.0	20285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.3	1.2
10°-20°	772.5	3.8
20°-30°	1449.4	7.1
30°-40°	2397.1	11.8
40°-50°	3712.7	18.3
50°-60°	5694.3	28.1
60°-70°	5313.4	26.2
70°-80°	618.4	3.0
80°-90°	86.9	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°	20285.0	100.0
0°-180°	20285.0	100.0

Coefficient of Utilization



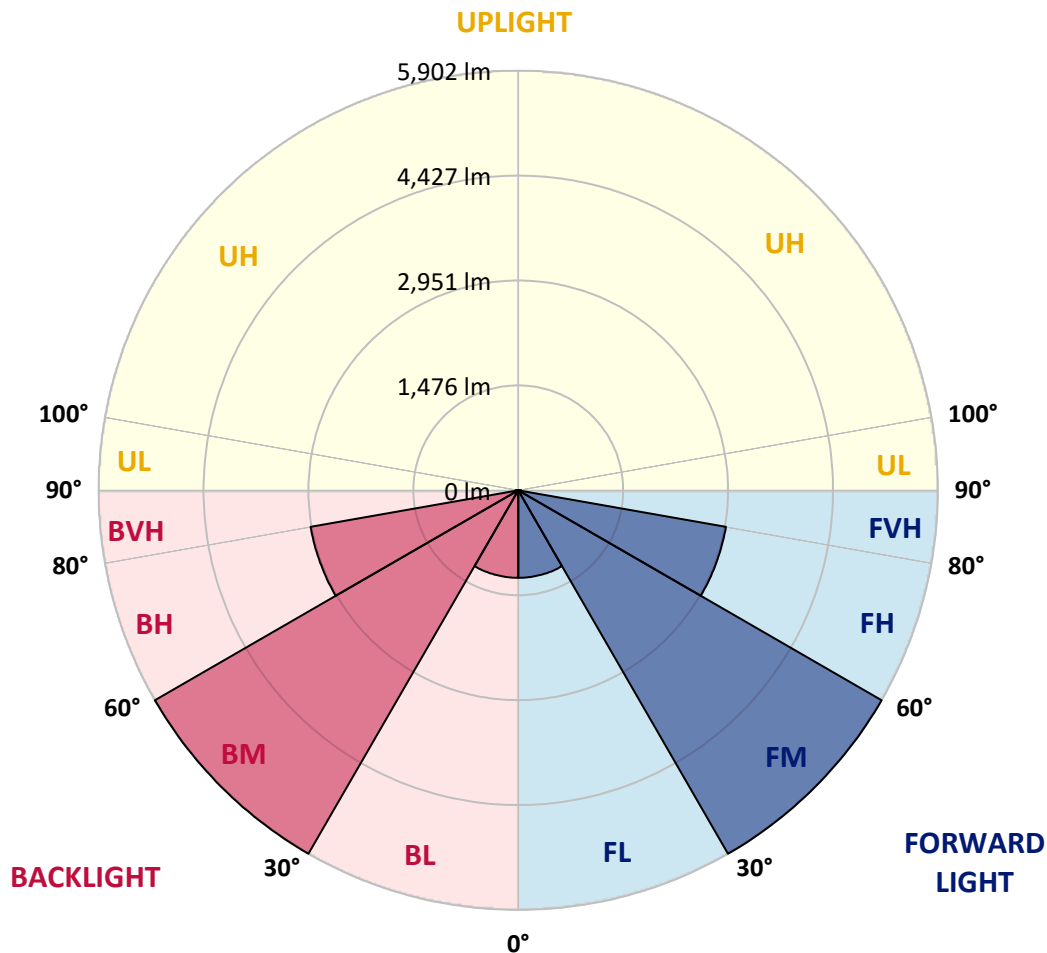
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.1	6.1			
FM (30°-60°)	5902.0	29.1			
FH (60°-80°)	2965.9	14.6			G2/5000
FVH (80°-90°)	43.4	0.2			G1/100
BL (0°-30°)	1231.1	6.1	B3/2500		
BM (30°-60°)	5902.0	29.1	B4/8500		
BH (60°-80°)	2965.9	14.6	B4/5000		G2/5000
BVH (80°-90°)	43.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7
2.5°	2457.8	2456.4	2457.8	2458.4	2454.4	2456.4	2455.7	2459.1	2460.4	2459.1	2459.1
5°	2486.0	2484.0	2486.7	2490.1	2484.7	2486.0	2484.0	2488.1	2489.4	2486.7	2488.7
7.5°	2525.1	2525.8	2528.5	2534.5	2531.1	2533.8	2529.8	2530.5	2529.8	2525.8	2526.4
10°	2567.5	2568.2	2572.9	2581.0	2582.3	2582.3	2579.6	2577.6	2574.9	2572.2	2572.9
12.5°	2618.7	2622.0	2625.4	2635.5	2635.5	2640.9	2639.6	2634.2	2629.5	2625.4	2625.4
15°	2688.0	2687.4	2691.4	2701.5	2706.2	2715.0	2715.0	2707.6	2701.5	2697.5	2696.1
17.5°	2760.8	2762.8	2765.5	2777.6	2785.0	2795.1	2796.4	2790.4	2786.3	2781.0	2777.6
20°	2845.6	2849.0	2859.7	2864.5	2871.2	2880.6	2884.0	2882.6	2878.6	2875.9	2876.6
22.5°	2944.6	2953.3	2960.1	2966.8	2974.9	2981.6	2985.0	2989.7	2985.7	2983.6	2982.3
25°	3064.4	3070.5	3084.0	3096.1	3101.5	3103.5	3107.5	3114.3	3113.6	3108.9	3108.9
27.5°	3200.5	3211.9	3228.7	3246.3	3246.3	3239.5	3253.0	3264.4	3260.4	3254.3	3246.3
30°	3365.4	3376.2	3395.7	3420.0	3407.9	3403.1	3421.3	3442.2	3436.1	3426.0	3424.7
32.5°	3543.2	3553.3	3578.9	3605.2	3589.7	3582.9	3602.5	3632.8	3622.0	3601.8	3589.7
35°	3735.8	3745.9	3782.2	3813.9	3787.6	3776.2	3792.3	3825.3	3806.5	3768.8	3759.3
37.5°	3945.2	3950.6	3997.7	4030.0	4011.9	3981.6	4001.8	4026.0	4009.8	3964.0	3945.9
40°	4162.7	4182.2	4236.8	4274.5	4242.8	4195.0	4228.7	4262.3	4238.1	4179.5	4148.5
42.5°	4416.5	4431.4	4504.1	4537.7	4486.6	4419.2	4465.0	4510.8	4486.6	4430.0	4403.1
45°	4680.5	4703.4	4790.3	4823.9	4749.9	4664.3	4720.2	4800.4	4798.3	4716.9	4688.6
47.5°	4968.0	4990.9	5094.6	5139.1	5058.9	4944.5	5023.2	5136.4	5128.3	5038.7	5015.8
50°	5300.0	5324.2	5453.5	5509.4	5434.7	5301.3	5419.8	5519.5	5504.7	5394.3	5396.3
52.5°	5716.8	5715.4	5876.4	5973.3	5896.6	5778.7	5887.8	5984.8	5923.5	5770.7	5766.0
55°	6081.8	6104.0	6303.3	6487.1	6482.4	6437.3	6481.1	6485.1	6310.0	6106.7	6081.8
57.5°	6321.5	6363.9	6644.7	6977.3	7226.5	7286.4	7201.5	6944.3	6534.3	6209.0	6169.3
60°	6174.0	6238.6	6679.7	7357.8	8091.7	8443.9	7965.1	7167.2	6359.9	5906.7	5852.8
62.5°	5178.8	5287.9	5933.6	7173.9	8836.5	9866.0	8518.6	6809.7	5666.3	5042.1	4949.8
65°	3154.0	3269.1	4047.5	5904.7	8715.9	10991.9	8266.1	5652.2	4135.8	3359.4	3259.7
67.5°	1051.1	1084.8	1543.3	3263.8	6850.1	9876.1	6861.5	3383.6	1799.9	1193.2	1158.2
70°	411.4	414.8	489.5	946.1	3234.8	6783.4	3569.5	962.9	511.8	404.7	413.4
72.5°	302.3	303.7	324.6	395.3	843.0	2988.4	873.3	397.3	315.8	283.5	283.5
75°	243.1	243.1	257.9	288.2	377.8	685.5	383.1	284.8	247.1	226.2	223.6
77.5°	191.9	195.9	207.4	226.9	255.9	329.9	265.3	225.6	199.3	179.8	175.7
80°	142.8	146.8	165.6	175.1	183.8	228.9	195.9	176.4	157.6	134.7	130.6
82.5°	93.6	97.6	121.2	126.6	124.6	149.5	132.0	130.0	115.8	86.9	82.8
85°	61.3	62.6	80.8	84.2	77.4	68.0	84.2	88.9	80.8	56.6	54.5
87.5°	29.0	29.0	41.1	38.4	35.0	28.3	38.4	45.1	45.8	27.6	26.9
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)