

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: P316764

Luminaire Tested: **GAN-SA0B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316764
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-SA0B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 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: 53136 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

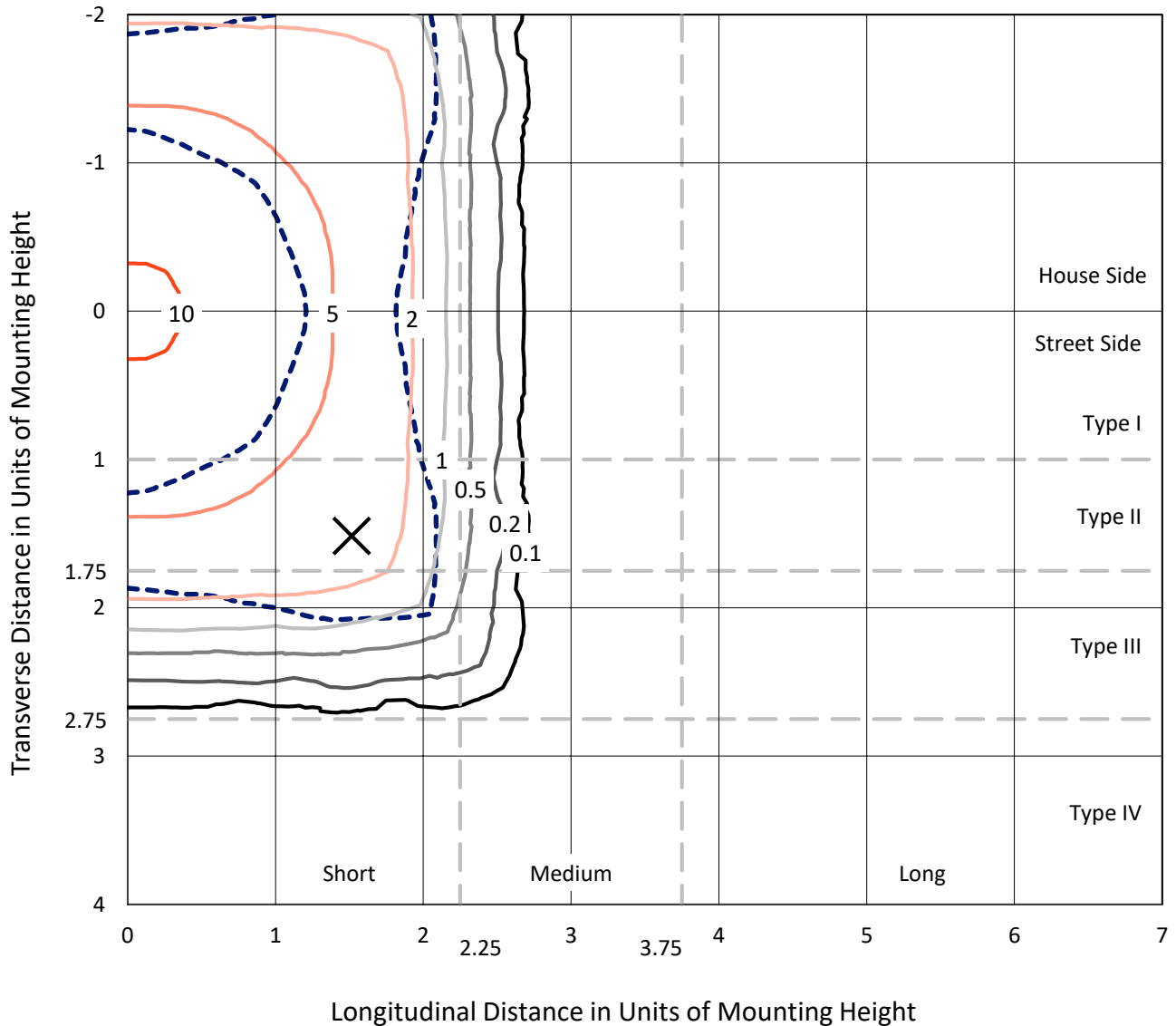
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

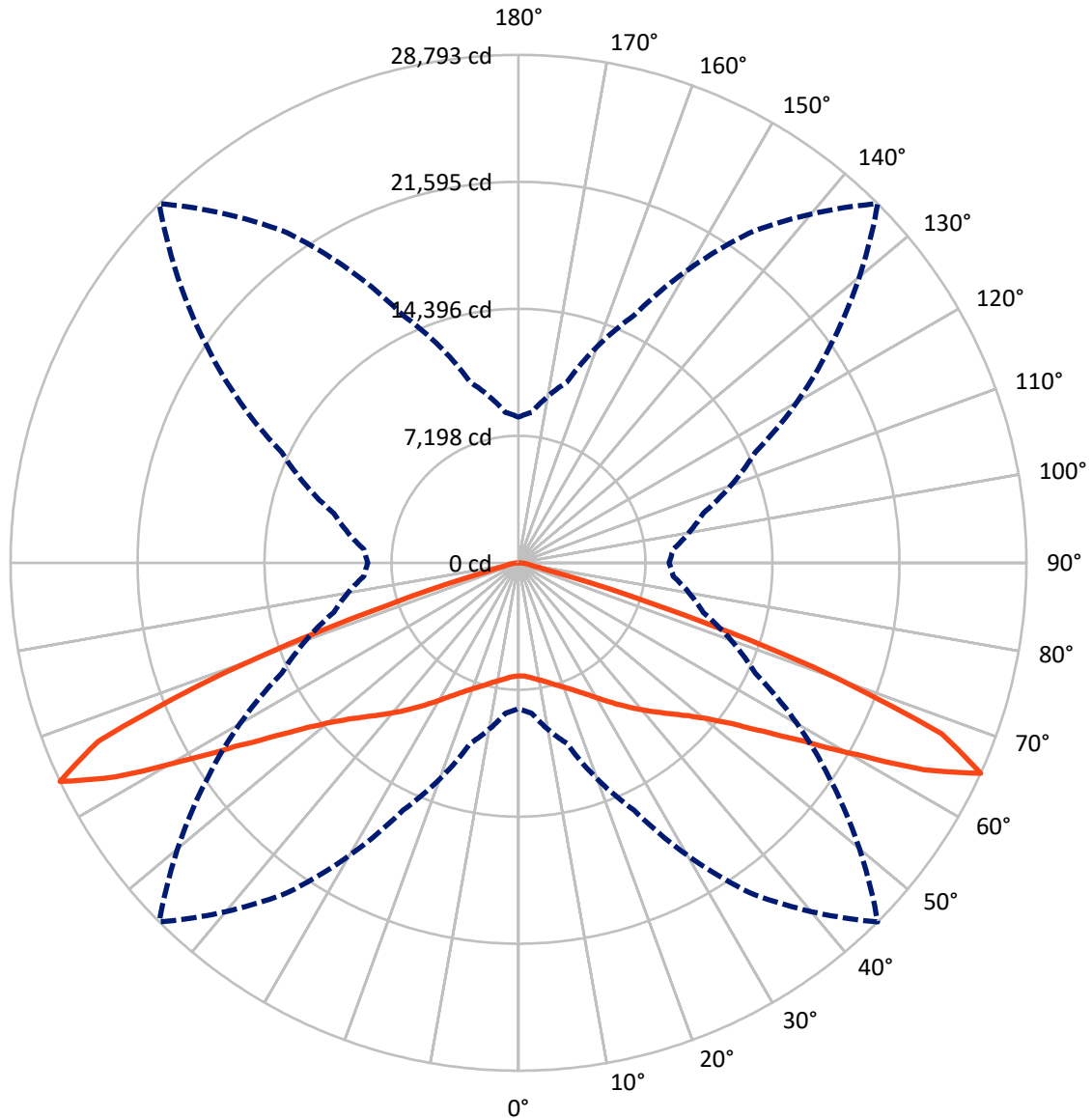
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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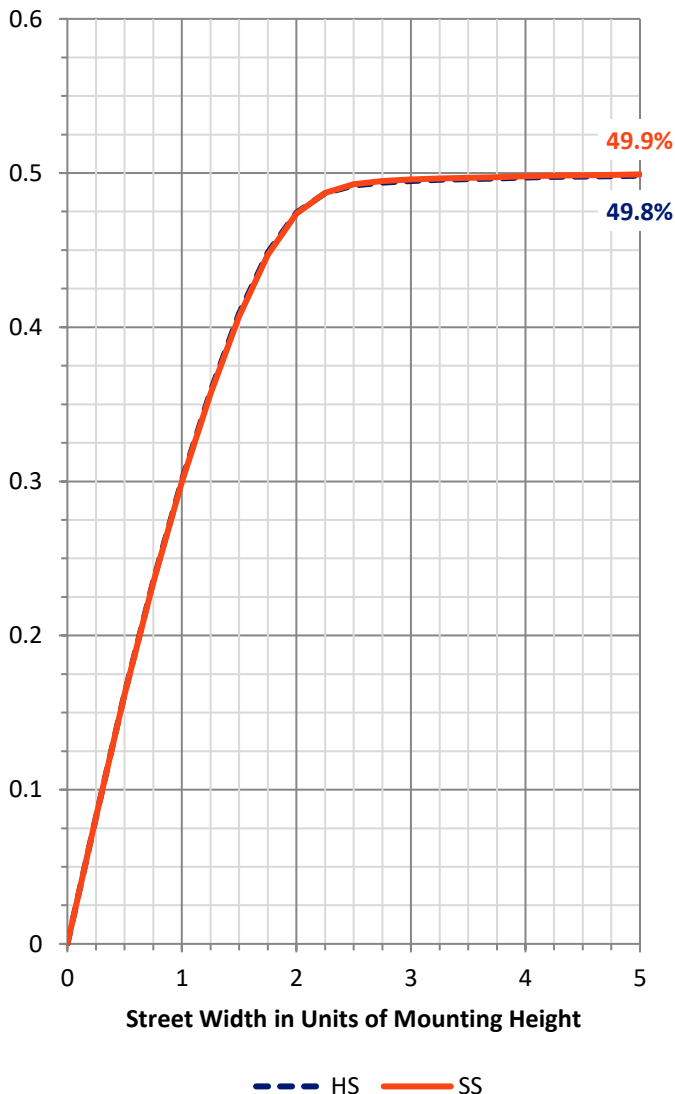
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26568.0	0.0	26568.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26568.0	0.0	26568.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53136.0	0.0	53136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.6	1.2
10°-20°	2023.6	3.8
20°-30°	3796.7	7.1
30°-40°	6279.0	11.8
40°-50°	9725.3	18.3
50°-60°	14916.0	28.1
60°-70°	13918.3	26.2
70°-80°	1619.9	3.0
80°-90°	227.6	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°	53136.0	100.0
0°-180°	53136.0	100.0

Coefficient of Utilization

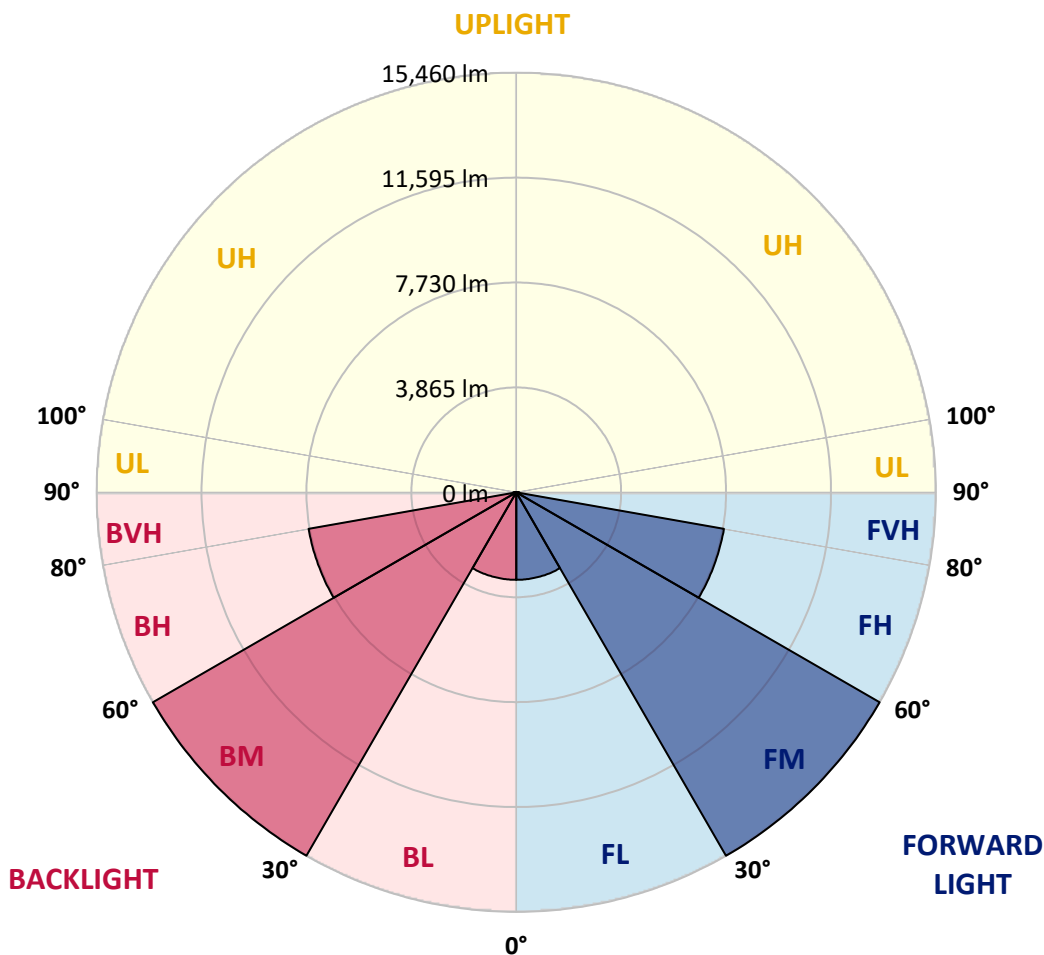


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3225.0	6.1			
FM (30°-60°)	15460.2	29.1			
FH (60°-80°)	7769.1	14.6			G4/12000
FVH (80°-90°)	113.8	0.2			G2/225
BL (0°-30°)	3225.0	6.1	B4/5000		
BM (30°-60°)	15460.2	29.1	B5		
BH (60°-80°)	7769.1	14.6	B5		G4/12000
BVH (80°-90°)	113.8	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8	6416.8
2.5°	6438.0	6434.5	6438.0	6439.8	6429.2	6434.5	6432.7	6441.5	6445.1	6441.5	6441.5
5°	6512.1	6506.8	6513.9	6522.7	6508.6	6512.1	6506.8	6517.4	6520.9	6513.9	6519.1
7.5°	6614.4	6616.2	6623.2	6639.1	6630.3	6637.3	6626.7	6628.5	6626.7	6616.2	6617.9
10°	6725.5	6727.3	6739.6	6760.8	6764.3	6764.3	6757.3	6752.0	6744.9	6737.9	6739.6
12.5°	6859.6	6868.4	6877.2	6903.7	6903.7	6917.8	6914.2	6900.1	6887.8	6877.2	6877.2
15°	7041.2	7039.5	7050.1	7076.5	7088.9	7111.8	7111.8	7092.4	7076.5	7065.9	7062.4
17.5°	7231.7	7237.0	7244.1	7275.8	7295.2	7321.7	7325.2	7309.3	7298.8	7284.7	7275.8
20°	7454.0	7462.8	7491.0	7503.4	7521.0	7545.7	7554.5	7551.0	7540.4	7533.4	7535.1
22.5°	7713.3	7736.2	7753.8	7771.5	7792.6	7810.3	7819.1	7831.4	7820.9	7815.6	7812.0
25°	8027.2	8043.1	8078.4	8110.1	8124.2	8129.5	8140.1	8157.8	8156.0	8143.6	8143.6
27.5°	8383.5	8413.5	8457.6	8503.5	8503.5	8485.8	8521.1	8551.1	8540.5	8524.6	8503.5
30°	8815.7	8843.9	8895.0	8958.5	8926.8	8914.4	8962.1	9016.7	9000.9	8974.4	8970.9
32.5°	9281.3	9307.8	9374.8	9443.6	9403.0	9385.4	9436.5	9515.9	9487.7	9434.8	9403.0
35°	9785.8	9812.2	9907.5	9990.4	9921.6	9891.6	9933.9	10020.4	9971.0	9872.2	9847.5
37.5°	10334.3	10348.4	10471.9	10556.6	10509.0	10429.6	10482.5	10546.0	10503.7	10383.7	10336.1
40°	10904.1	10955.2	11098.1	11196.8	11113.9	10988.7	11076.9	11165.1	11101.6	10948.1	10867.0
42.5°	11569.0	11607.8	11798.3	11886.5	11752.5	11576.1	11696.0	11816.0	11752.5	11604.3	11533.7
45°	12260.4	12320.4	12547.9	12636.1	12442.1	12218.1	12364.5	12574.4	12569.1	12355.7	12281.6
47.5°	13013.6	13073.6	13345.2	13461.6	13251.7	12951.9	13158.2	13454.6	13433.4	13198.8	13138.8
50°	13883.2	13946.7	14285.3	14431.7	14235.9	13886.7	14197.1	14458.2	14419.4	14130.1	14135.4
52.5°	14975.0	14971.5	15393.0	15647.0	15445.9	15137.3	15423.0	15677.0	15516.5	15116.1	15103.8
55°	15931.0	15989.2	16511.3	16992.8	16980.5	16862.3	16976.9	16987.5	16528.9	15996.3	15931.0
57.5°	16558.9	16670.0	17405.6	18276.9	18929.5	19086.5	18864.3	18190.5	17116.3	16264.4	16160.3
60°	16172.6	16342.0	17497.3	19273.5	21196.0	22118.5	20864.4	18774.3	16659.5	15472.4	15331.3
62.5°	13565.7	13851.4	15542.9	18791.9	23146.9	25843.8	22314.3	17837.7	14842.7	13207.6	12966.0
65°	8261.8	8563.4	10602.4	15467.1	22831.1	28792.9	21652.9	14805.7	10833.5	8799.8	8538.7
67.5°	2753.4	2841.5	4042.7	8549.3	17943.5	25870.2	17973.5	8863.3	4714.7	3125.5	3033.8
70°	1077.7	1086.5	1282.3	2478.2	8473.5	17768.9	9350.1	2522.3	1340.5	1060.1	1083.0
72.5°	792.0	795.5	850.2	1035.4	2208.3	7827.9	2287.7	1040.7	827.2	742.6	742.6
75°	636.7	636.7	675.6	754.9	989.5	1795.6	1003.6	746.1	647.3	592.6	585.6
77.5°	502.7	513.3	543.3	594.4	670.3	864.3	695.0	590.9	522.1	470.9	460.4
80°	373.9	384.5	433.9	458.6	481.5	599.7	513.3	462.1	412.7	352.8	342.2
82.5°	245.2	255.8	317.5	331.6	326.3	391.6	345.7	340.4	303.4	227.5	217.0
85°	160.5	164.0	211.7	220.5	202.8	178.1	220.5	232.8	211.7	148.2	142.9
87.5°	75.8	75.8	107.6	100.5	91.7	74.1	100.5	118.2	119.9	72.3	70.6
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)