

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: P316762

Luminaire Tested: **GAN-SA8B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316762
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-SA8B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 43023 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

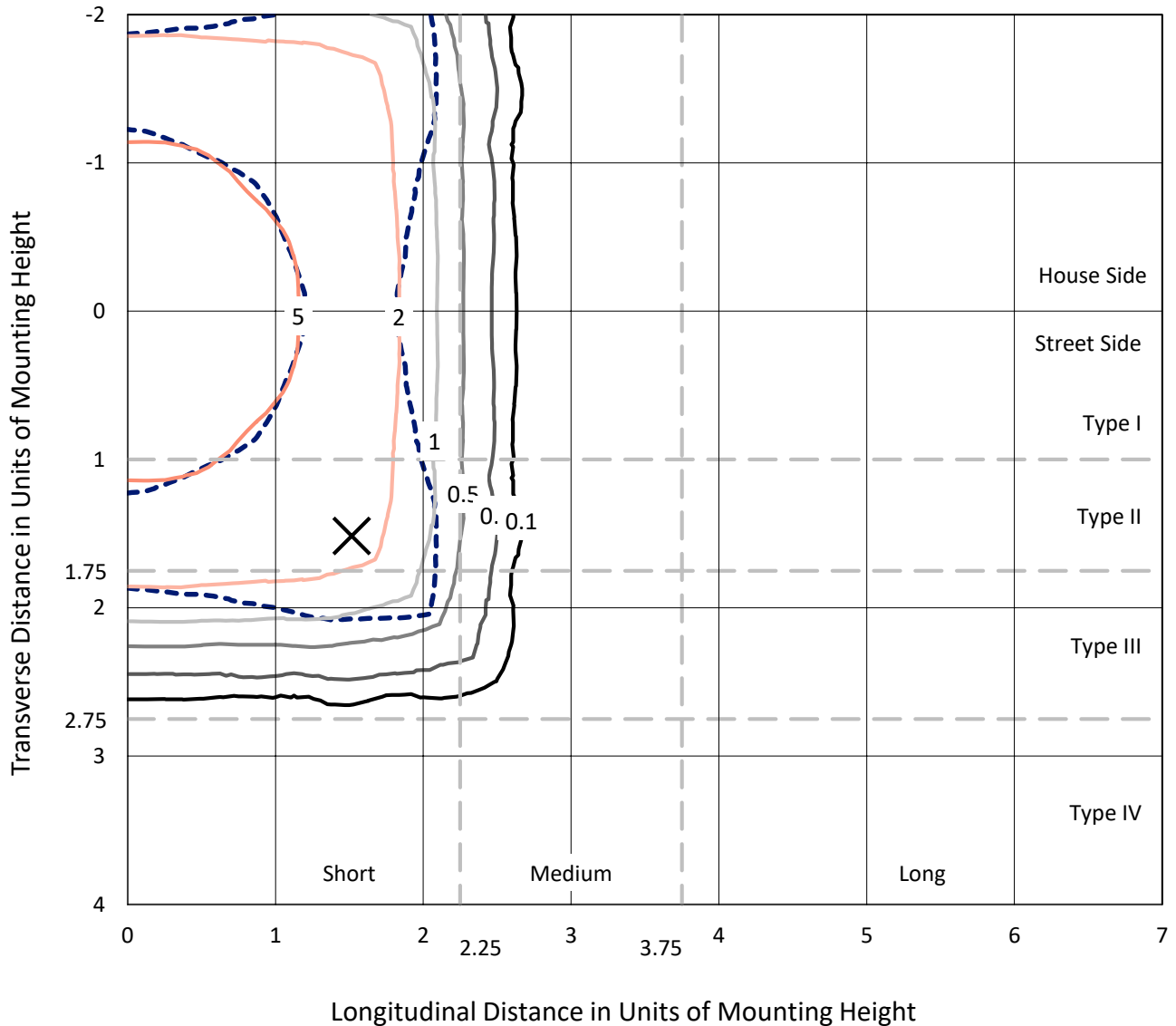
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

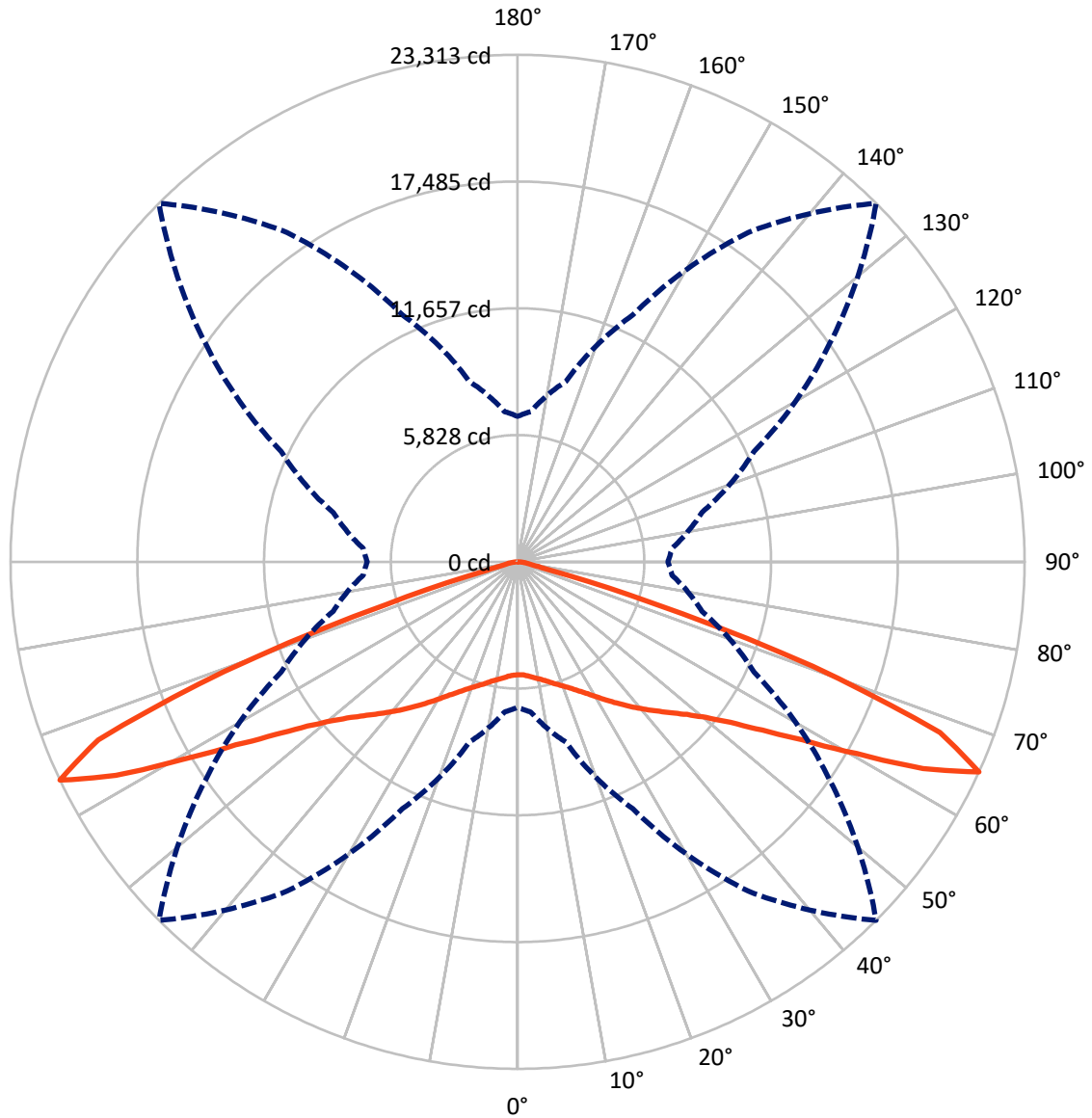
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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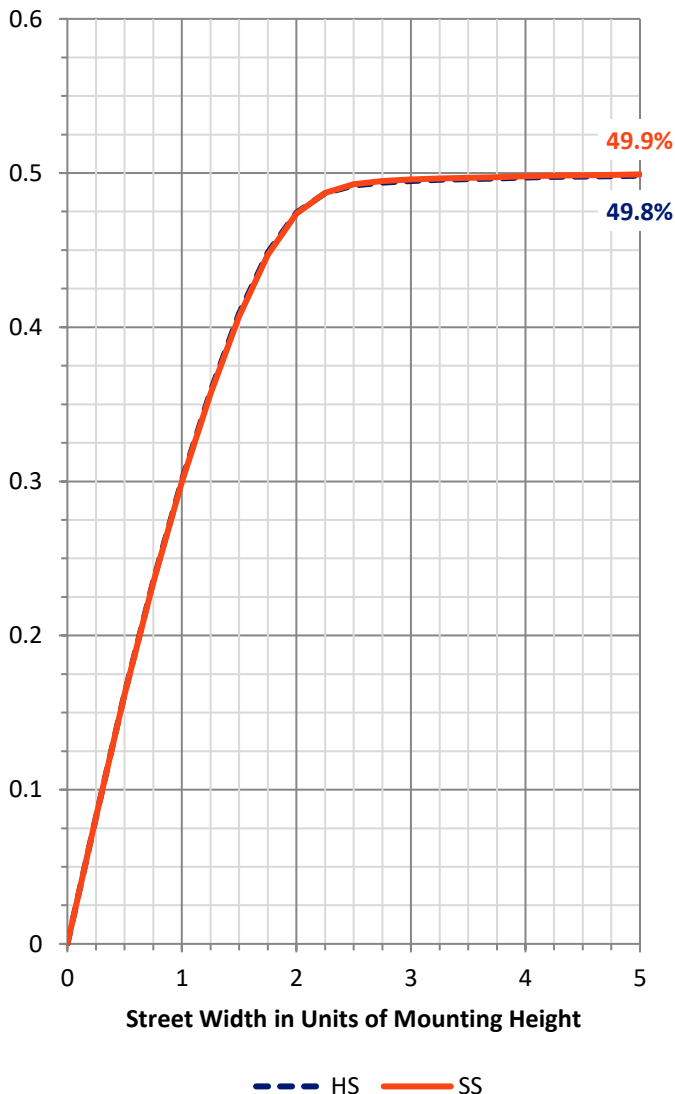
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21511.5	0.0	21511.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21511.5	0.0	21511.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43023.0	0.0	43023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.7	1.2
10°-20°	1638.5	3.8
20°-30°	3074.1	7.1
30°-40°	5084.0	11.8
40°-50°	7874.4	18.3
50°-60°	12077.1	28.1
60°-70°	11269.3	26.2
70°-80°	1311.6	3.0
80°-90°	184.3	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°	43023.0	100.0
0°-180°	43023.0	100.0

Coefficient of Utilization



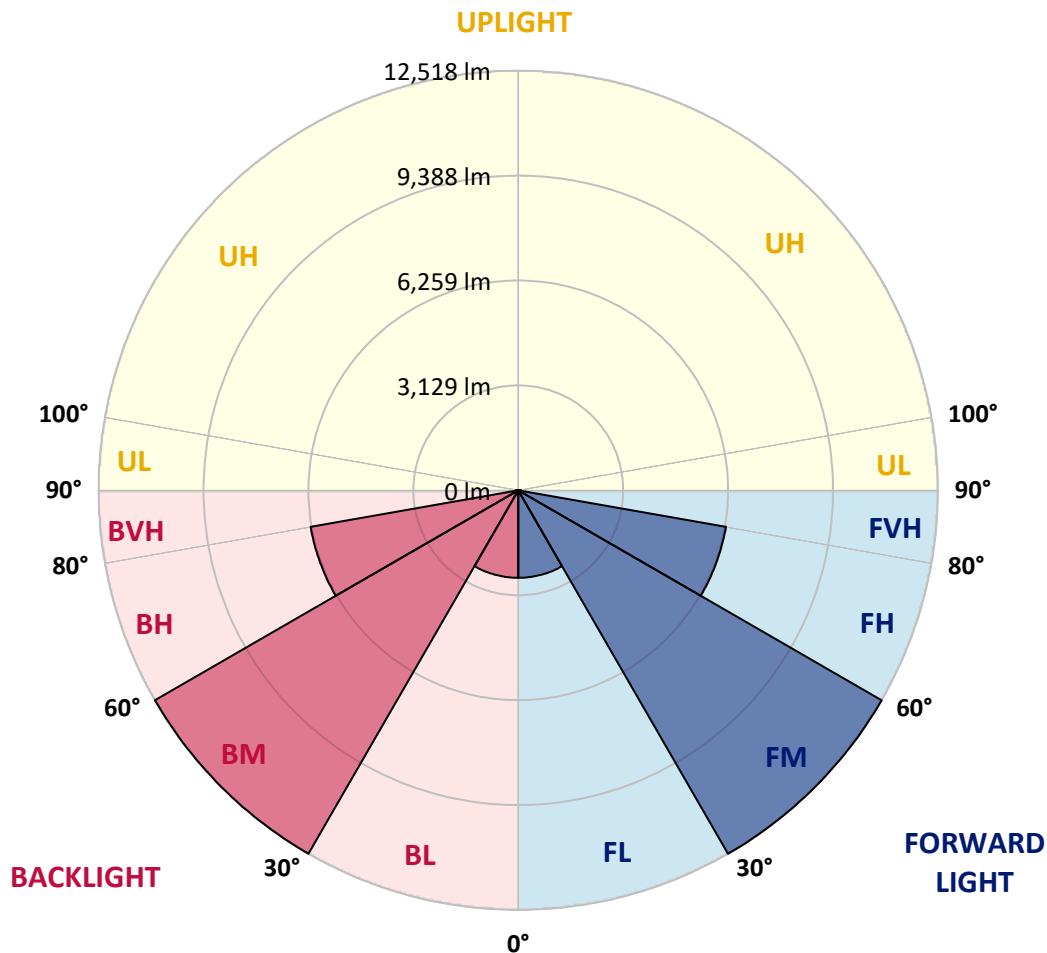
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2611.2	6.1			
FM (30°-60°)	12517.7	29.1			
FH (60°-80°)	6290.4	14.6			G3/7500
FVH (80°-90°)	92.1	0.2			G1/100
BL (0°-30°)	2611.2	6.1	B4/5000		
BM (30°-60°)	12517.7	29.1	B5		
BH (60°-80°)	6290.4	14.6	B5		G3/7500
BVH (80°-90°)	92.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6	5195.6
2.5°	5212.7	5209.9	5212.7	5214.1	5205.6	5209.9	5208.4	5215.6	5218.4	5215.6	5215.6
5°	5272.7	5268.4	5274.1	5281.3	5269.8	5272.7	5268.4	5277.0	5279.8	5274.1	5278.4
7.5°	5355.5	5357.0	5362.7	5375.5	5368.4	5374.1	5365.5	5366.9	5365.5	5357.0	5358.4
10°	5445.5	5446.9	5456.9	5474.1	5476.9	5476.9	5471.2	5466.9	5461.2	5455.5	5456.9
12.5°	5554.0	5561.2	5568.3	5589.7	5589.7	5601.2	5598.3	5586.9	5576.9	5568.3	5568.3
15°	5701.1	5699.7	5708.3	5729.7	5739.7	5758.3	5758.3	5742.5	5729.7	5721.1	5718.3
17.5°	5855.4	5859.7	5865.4	5891.1	5906.8	5928.2	5931.1	5918.2	5909.6	5898.2	5891.1
20°	6035.3	6042.5	6065.3	6075.3	6089.6	6109.6	6116.7	6113.9	6105.3	6099.6	6101.0
22.5°	6245.3	6263.8	6278.1	6292.4	6309.5	6323.8	6330.9	6340.9	6332.4	6328.1	6325.2
25°	6499.5	6512.3	6540.9	6566.6	6578.0	6582.3	6590.9	6605.1	6603.7	6593.7	6593.7
27.5°	6787.9	6812.2	6847.9	6885.1	6885.1	6870.8	6899.3	6923.6	6915.1	6902.2	6885.1
30°	7137.8	7160.7	7202.1	7253.5	7227.8	7217.8	7256.4	7300.6	7287.8	7266.4	7263.5
32.5°	7514.9	7536.3	7590.6	7646.3	7613.4	7599.1	7640.5	7704.8	7682.0	7639.1	7613.4
35°	7923.3	7944.7	8021.9	8089.0	8033.3	8009.0	8043.3	8113.3	8073.3	7993.3	7973.3
37.5°	8367.5	8378.9	8478.9	8547.4	8508.9	8444.6	8487.4	8538.8	8504.6	8407.5	8368.9
40°	8828.8	8870.2	8985.9	9065.8	8998.7	8897.3	8968.7	9040.1	8988.7	8864.5	8798.8
42.5°	9367.2	9398.6	9552.8	9624.2	9515.7	9372.9	9470.0	9567.1	9515.7	9395.7	9338.6
45°	9927.0	9975.6	10159.8	10231.2	10074.1	9892.7	10011.3	10181.2	10176.9	10004.1	9944.1
47.5°	10536.8	10585.4	10805.3	10899.6	10729.6	10486.8	10653.9	10893.8	10876.7	10686.8	10638.2
50°	11240.9	11292.3	11566.5	11685.0	11526.5	11243.7	11495.1	11706.5	11675.0	11440.8	11445.1
52.5°	12124.9	12122.0	12463.4	12669.0	12506.2	12256.3	12487.7	12693.3	12563.3	12239.2	12229.2
55°	12899.0	12946.1	13368.8	13758.7	13748.7	13653.0	13745.8	13754.4	13383.1	12951.8	12899.0
57.5°	13407.4	13497.3	14092.9	14798.4	15326.8	15453.9	15274.0	14728.4	13858.7	13168.9	13084.6
60°	13094.6	13231.7	14167.1	15605.3	17162.0	17908.9	16893.5	15201.1	13488.8	12527.6	12413.4
62.5°	10983.8	11215.2	12584.8	15215.4	18741.5	20925.1	18067.4	14442.8	12017.8	10693.9	10498.3
65°	6689.4	6933.6	8584.5	12523.4	18485.8	23313.0	17531.8	11987.8	8771.6	7125.0	6913.6
67.5°	2229.3	2300.7	3273.3	6922.2	14528.5	20946.5	14552.7	7176.4	3817.4	2530.7	2456.4
70°	872.6	879.7	1038.3	2006.5	6860.8	14387.1	7570.6	2042.2	1085.4	858.3	876.9
72.5°	641.2	644.1	688.4	838.3	1788.0	6338.1	1852.3	842.6	669.8	601.2	601.2
75°	515.6	515.6	547.0	611.2	801.2	1453.8	812.6	604.1	524.1	479.9	474.1
77.5°	407.0	415.6	439.9	481.3	542.7	699.8	562.7	478.4	422.7	381.3	372.7
80°	302.8	311.3	351.3	371.3	389.9	485.6	415.6	374.2	334.2	285.6	277.1
82.5°	198.5	207.1	257.1	268.5	264.2	317.0	279.9	275.6	245.6	184.2	175.7
85°	130.0	132.8	171.4	178.5	164.2	144.2	178.5	188.5	171.4	120.0	115.7
87.5°	61.4	61.4	87.1	81.4	74.3	60.0	81.4	95.7	97.1	58.6	57.1
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)