

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: P316763

Luminaire Tested: **GAN-SA9B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316763
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-SA9B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 47992 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

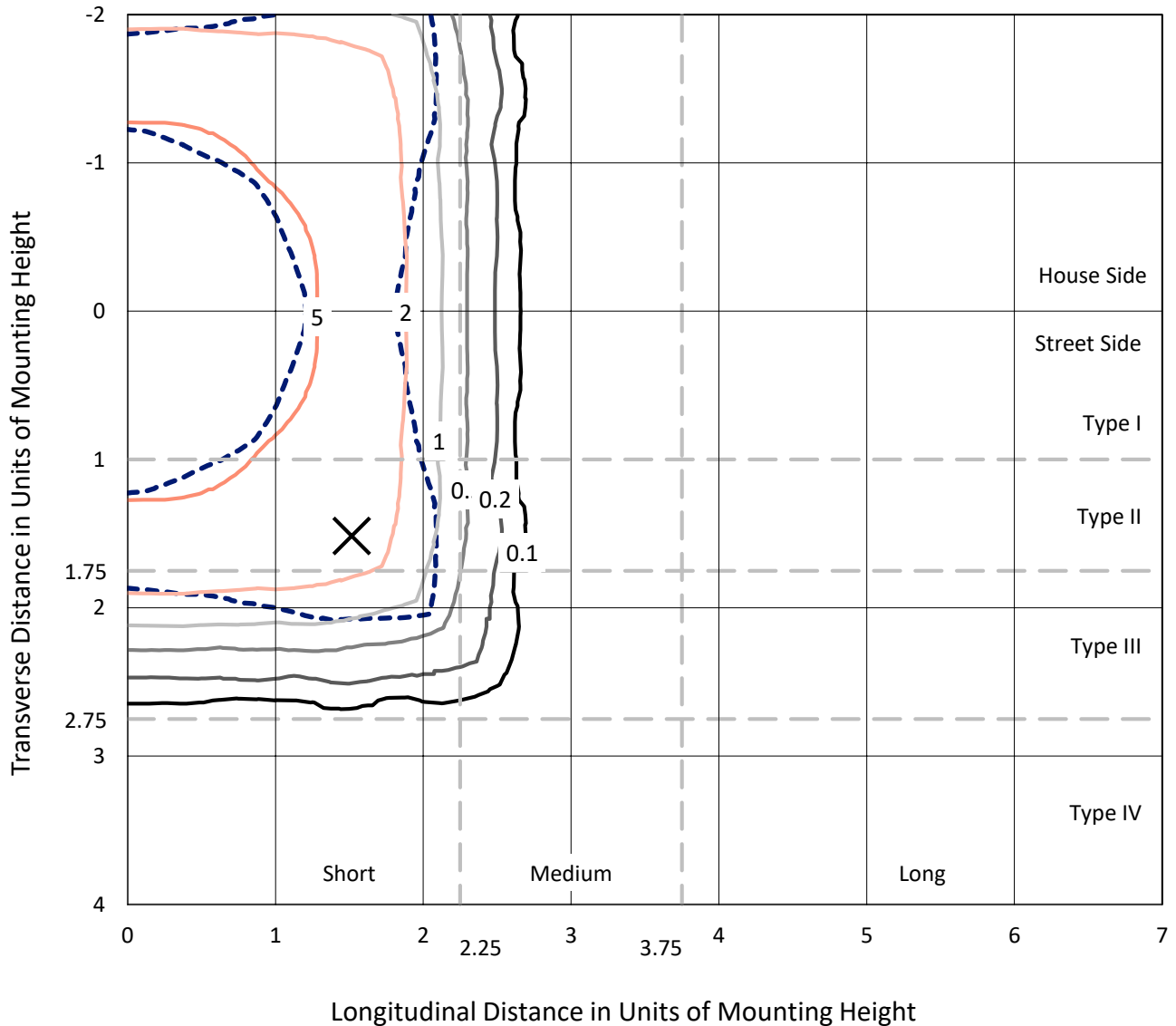
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

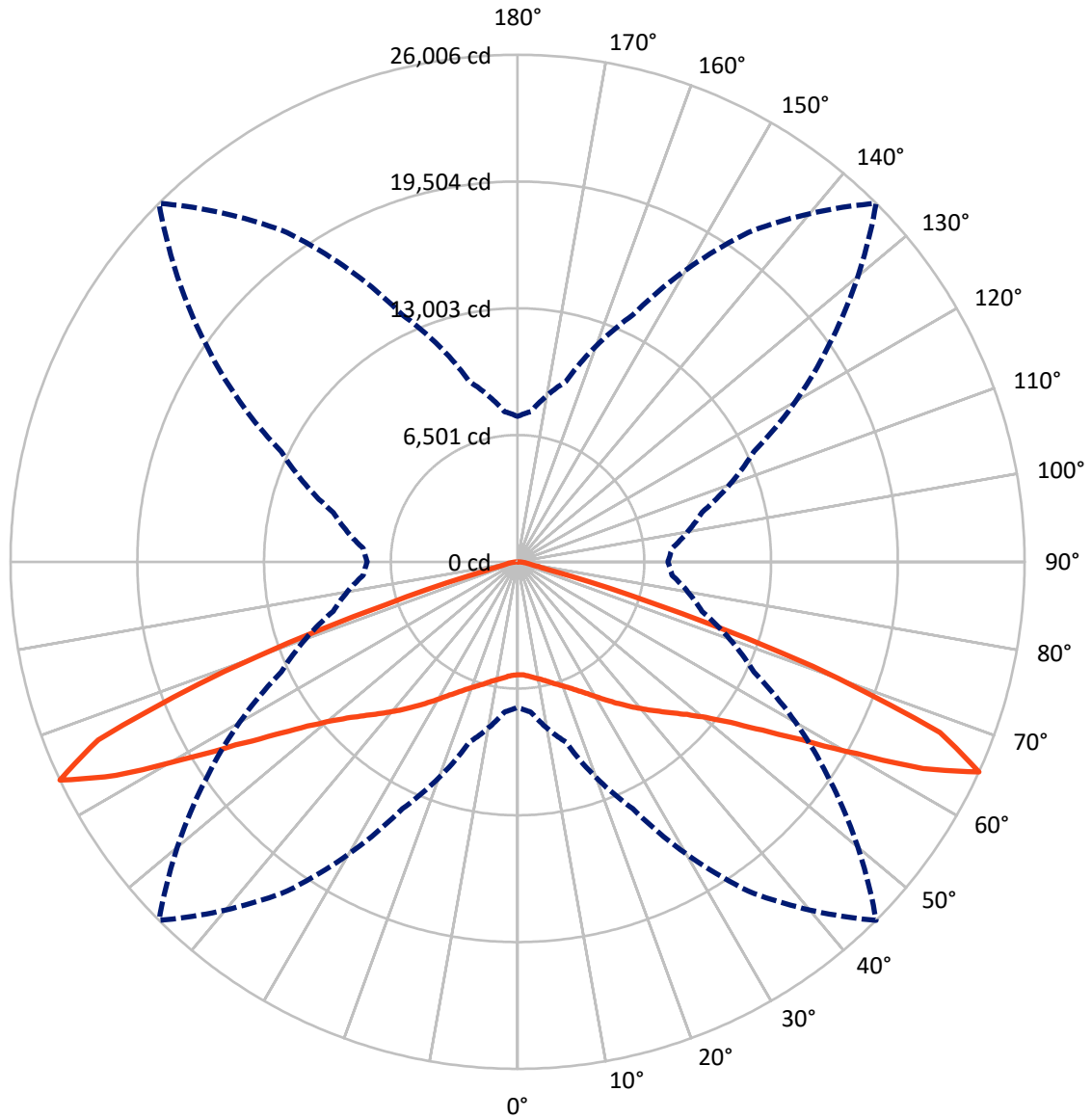
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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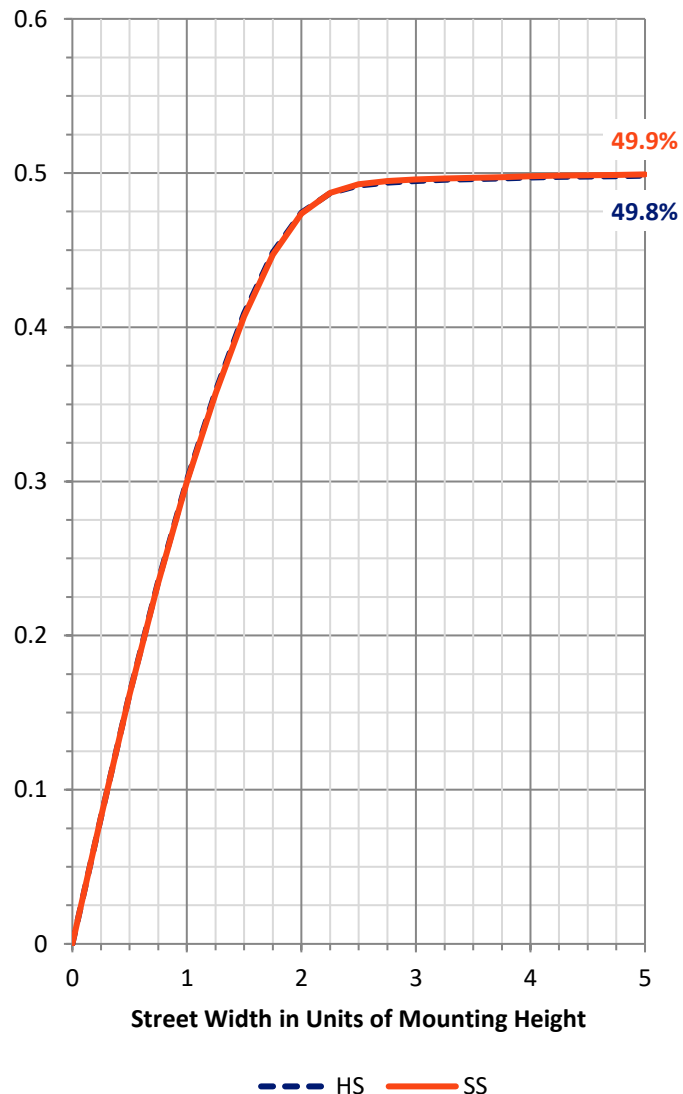
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23996.0	0.0	23996.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23996.0	0.0	23996.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47992.0	0.0	47992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.6	1.2
10°-20°	1827.7	3.8
20°-30°	3429.2	7.1
30°-40°	5671.1	11.8
40°-50°	8783.9	18.3
50°-60°	13472.0	28.1
60°-70°	12570.9	26.2
70°-80°	1463.1	3.0
80°-90°	205.6	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°	47992.0	100.0
0°-180°	47992.0	100.0

Coefficient of Utilization



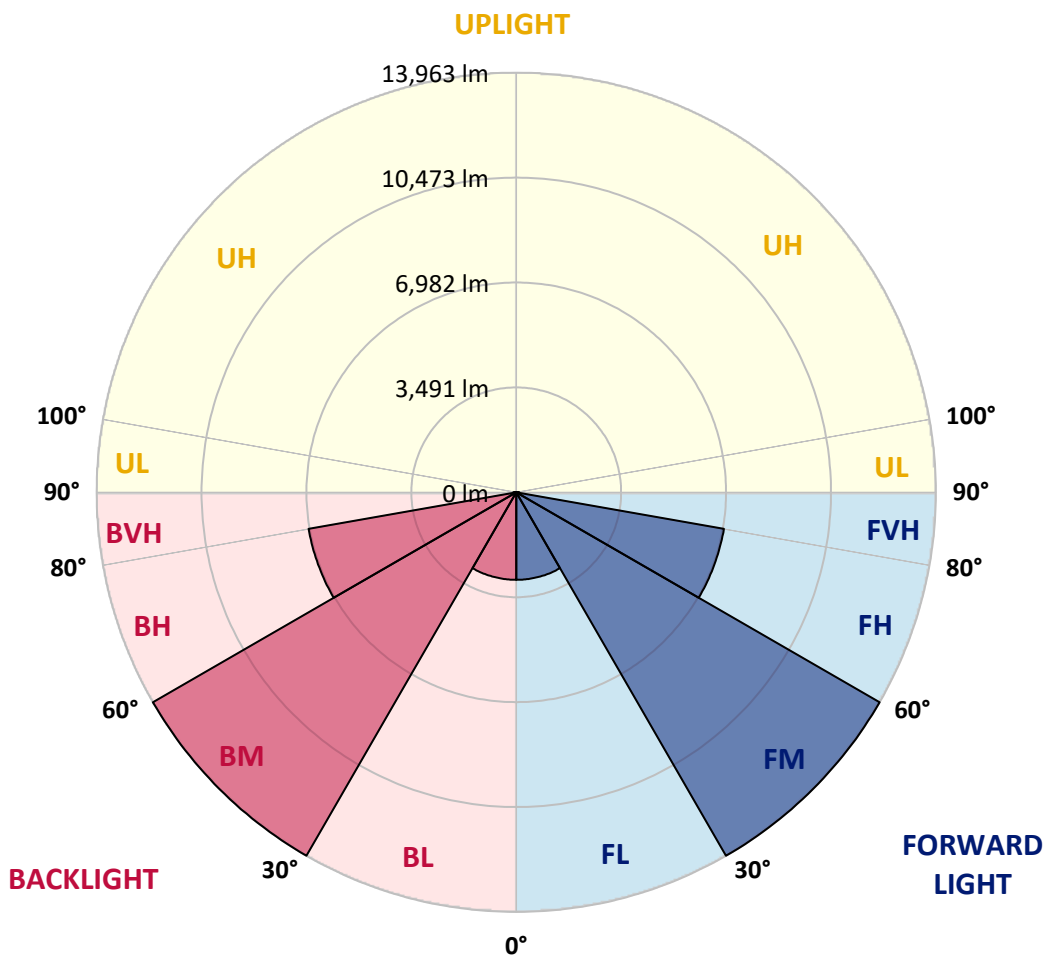
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2912.8	6.1			
FM (30°-60°)	13963.5	29.1			
FH (60°-80°)	7017.0	14.6			G3/7500
FVH (80°-90°)	102.8	0.2			G2/225
BL (0°-30°)	2912.8	6.1	B4/5000		
BM (30°-60°)	13963.5	29.1	B5		
BH (60°-80°)	7017.0	14.6	B5		G3/7500
BVH (80°-90°)	102.8	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6	5795.6
2.5°	5814.8	5811.6	5814.8	5816.4	5806.8	5811.6	5810.0	5817.9	5821.1	5817.9	5817.9
5°	5881.7	5876.9	5883.3	5891.2	5878.5	5881.7	5876.9	5886.4	5889.6	5883.3	5888.0
7.5°	5974.1	5975.7	5982.0	5996.4	5988.4	5994.8	5985.2	5986.8	5985.2	5975.7	5977.3
10°	6074.4	6076.0	6087.2	6106.3	6109.5	6109.5	6103.1	6098.3	6092.0	6085.6	6087.2
12.5°	6195.5	6203.5	6211.4	6235.3	6235.3	6248.1	6244.9	6232.1	6221.0	6211.4	6211.4
15°	6359.6	6358.0	6367.6	6391.5	6402.6	6423.3	6423.3	6405.8	6391.5	6381.9	6378.7
17.5°	6531.6	6536.4	6542.8	6571.5	6589.0	6612.9	6616.1	6601.7	6592.2	6579.4	6571.5
20°	6732.4	6740.3	6765.8	6777.0	6792.9	6815.2	6823.2	6820.0	6810.4	6804.1	6805.7
22.5°	6966.6	6987.3	7003.2	7019.1	7038.2	7054.2	7062.1	7073.3	7063.7	7059.0	7055.8
25°	7250.1	7264.5	7296.3	7325.0	7337.7	7342.5	7352.1	7368.0	7366.4	7355.3	7355.3
27.5°	7571.9	7599.0	7638.8	7680.3	7680.3	7664.3	7696.2	7723.3	7713.7	7699.4	7680.3
30°	7962.2	7987.7	8033.9	8091.3	8062.6	8051.4	8094.5	8143.8	8129.5	8105.6	8102.4
32.5°	8382.8	8406.7	8467.2	8529.4	8492.7	8476.8	8523.0	8594.7	8569.2	8521.4	8492.7
35°	8838.4	8862.3	8948.4	9023.2	8961.1	8934.0	8972.3	9050.3	9005.7	8916.5	8894.2
37.5°	9333.9	9346.6	9458.1	9534.6	9491.6	9419.9	9467.7	9525.1	9486.8	9378.5	9335.5
40°	9848.4	9894.6	10023.7	10112.9	10038.0	9924.9	10004.6	10084.2	10026.9	9888.3	9815.0
42.5°	10449.0	10484.1	10656.1	10735.8	10614.7	10455.4	10563.7	10672.1	10614.7	10480.9	10417.2
45°	11073.5	11127.7	11333.2	11412.9	11237.6	11035.3	11167.5	11357.1	11352.3	11159.6	11092.6
47.5°	11753.8	11807.9	12053.3	12158.4	11968.8	11698.0	11884.4	12152.0	12132.9	11921.1	11866.9
50°	12539.2	12596.5	12902.4	13034.6	12857.8	12542.4	12822.7	13058.5	13023.5	12762.2	12767.0
52.5°	13525.3	13522.1	13902.8	14132.3	13950.6	13671.9	13929.9	14159.3	14014.4	13652.7	13641.6
55°	14388.7	14441.3	14912.9	15347.8	15336.6	15229.9	15333.4	15343.0	14928.8	14447.7	14388.7
57.5°	14955.9	15056.2	15720.6	16507.5	17097.0	17238.8	17038.0	16429.5	15459.3	14689.8	14595.8
60°	14607.0	14759.9	15803.4	17407.6	19144.1	19977.3	18844.6	16956.8	15046.7	13974.5	13847.1
62.5°	12252.4	12510.5	14038.3	16972.7	20906.0	23341.9	20154.1	16110.9	13405.8	11929.0	11710.8
65°	7462.0	7734.4	9576.0	13969.8	20620.9	26005.5	19556.7	13372.4	9784.7	7947.9	7712.1
67.5°	2486.8	2566.5	3651.3	7721.7	16206.4	23365.8	16233.5	8005.3	4258.3	2822.9	2740.1
70°	973.4	981.3	1158.2	2238.3	7653.2	16048.7	8444.9	2278.1	1210.7	957.4	978.2
72.5°	715.3	718.5	767.9	935.1	1994.5	7070.1	2066.2	939.9	747.2	670.7	670.7
75°	575.1	575.1	610.2	681.8	893.7	1621.8	906.5	673.9	584.7	535.3	528.9
77.5°	454.0	463.6	490.7	536.9	605.4	780.6	627.7	533.7	471.6	425.4	415.8
80°	337.7	347.3	391.9	414.2	434.9	541.6	463.6	417.4	372.8	318.6	309.1
82.5°	221.4	231.0	286.8	299.5	294.7	353.7	312.2	307.5	274.0	205.5	195.9
85°	145.0	148.2	191.2	199.1	183.2	160.9	199.1	210.3	191.2	133.8	129.0
87.5°	68.5	68.5	97.2	90.8	82.8	66.9	90.8	106.7	108.3	65.3	63.7
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)