

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: P316802

Luminaire Tested: **GAN-SA8B-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316802
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-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 47242 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

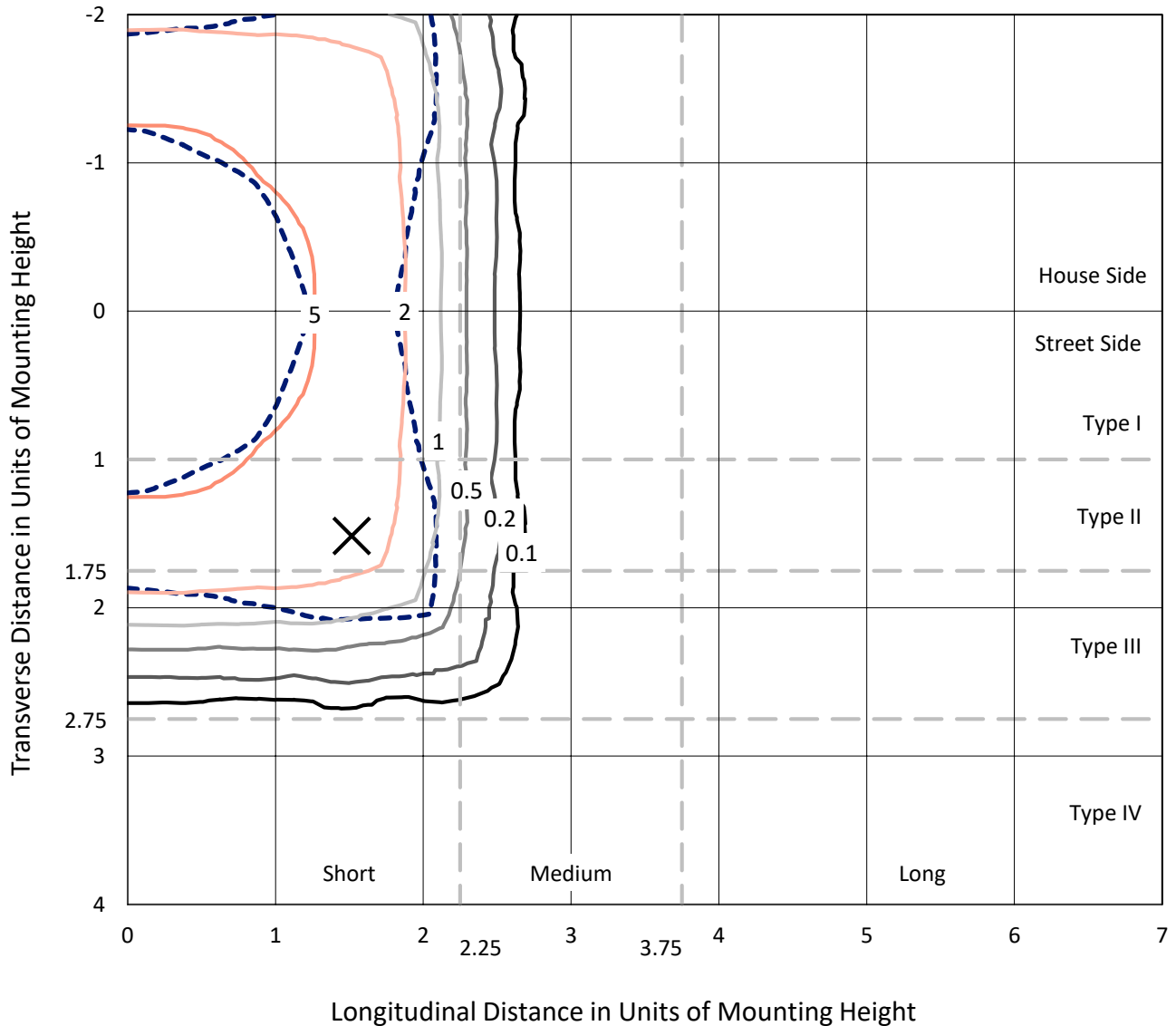
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

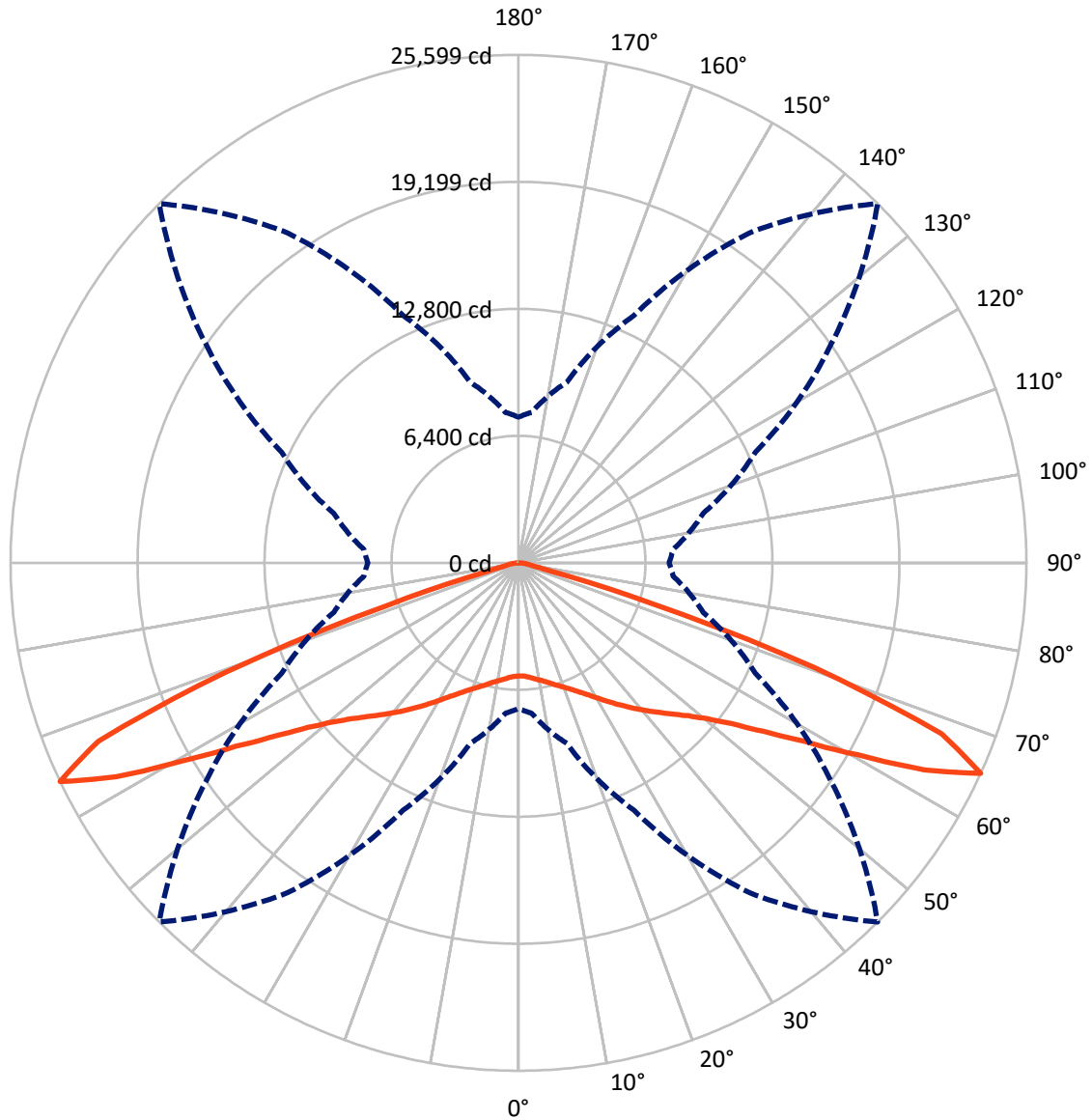
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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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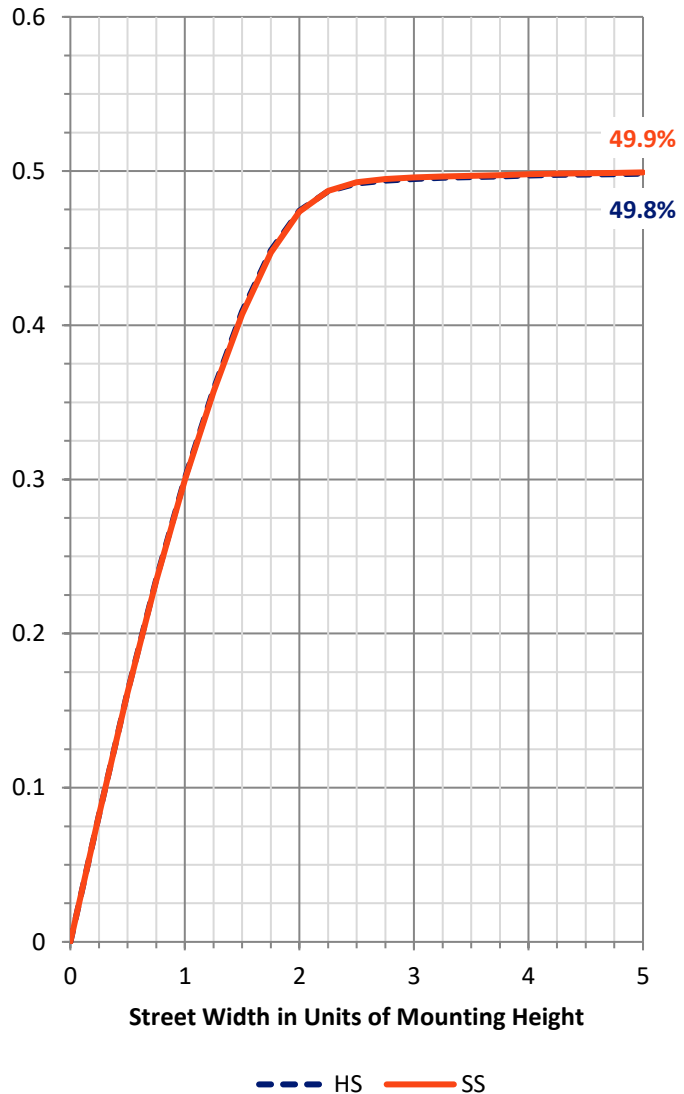
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23621.0	0.0	23621.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23621.0	0.0	23621.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47242.0	0.0	47242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	1.2
10°-20°	1799.2	3.8
20°-30°	3375.6	7.1
30°-40°	5582.5	11.8
40°-50°	8646.6	18.3
50°-60°	13261.4	28.1
60°-70°	12374.4	26.2
70°-80°	1440.2	3.0
80°-90°	202.4	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°	47242.0	100.0
0°-180°	47242.0	100.0

Coefficient of Utilization



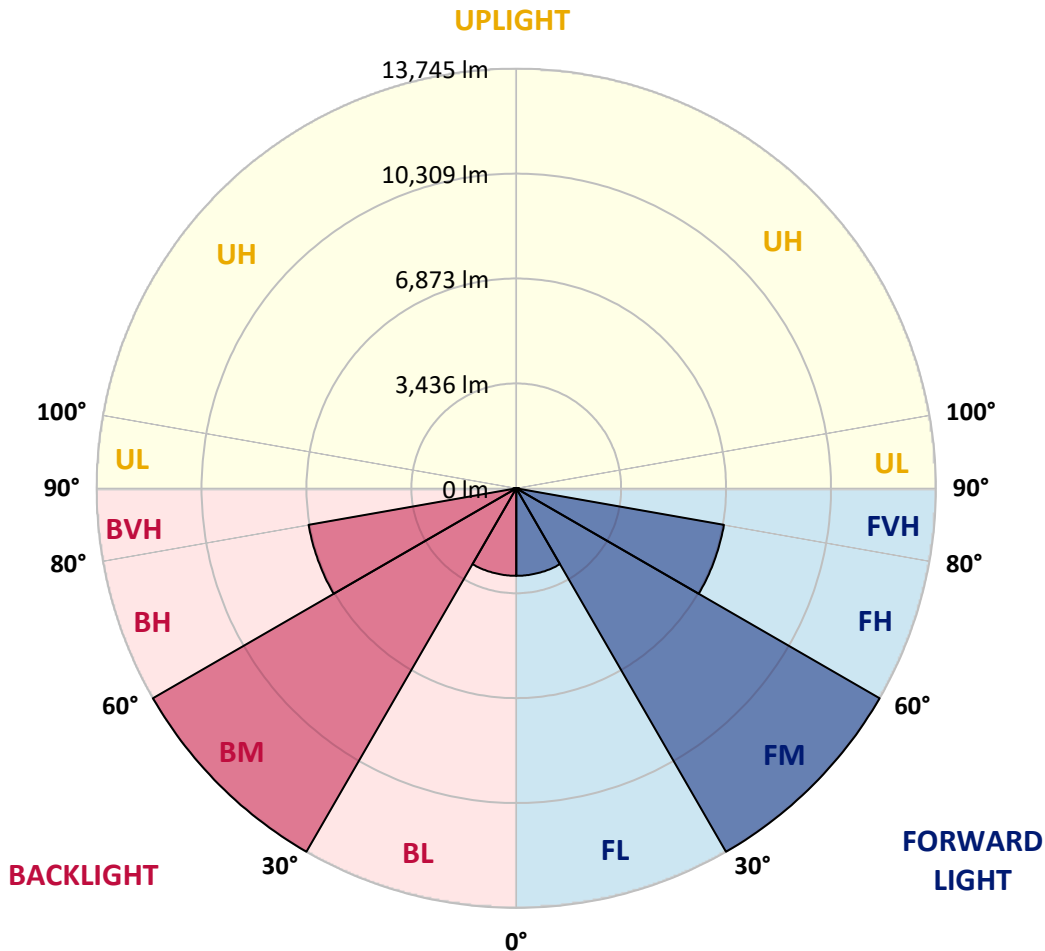
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2867.2	6.1			
FM (30°-60°)	13745.3	29.1			
FH (60°-80°)	6907.3	14.6			G3/7500
FVH (80°-90°)	101.2	0.2			G2/225
BL (0°-30°)	2867.2	6.1	B4/5000		
BM (30°-60°)	13745.3	29.1	B5		
BH (60°-80°)	6907.3	14.6	B5		G3/7500
BVH (80°-90°)	101.2	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°	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1	5705.1
2.5°	5723.9	5720.8	5723.9	5725.5	5716.0	5720.8	5719.2	5727.0	5730.2	5727.0	5727.0
5°	5789.8	5785.0	5791.3	5799.2	5786.6	5789.8	5785.0	5794.5	5797.6	5791.3	5796.0
7.5°	5880.7	5882.3	5888.5	5902.7	5894.8	5901.1	5891.7	5893.3	5891.7	5882.3	5883.8
10°	5979.5	5981.1	5992.0	6010.9	6014.0	6014.0	6007.7	6003.0	5996.8	5990.5	5992.0
12.5°	6098.7	6106.5	6114.4	6137.9	6137.9	6150.4	6147.3	6134.8	6123.8	6114.4	6114.4
15°	6260.2	6258.6	6268.0	6291.6	6302.5	6322.9	6322.9	6305.7	6291.6	6282.2	6279.0
17.5°	6429.6	6434.3	6440.6	6468.8	6486.0	6509.6	6512.7	6498.6	6489.2	6476.6	6468.8
20°	6627.2	6635.0	6660.1	6671.1	6686.8	6708.7	6716.6	6713.4	6704.0	6697.7	6699.3
22.5°	6857.7	6878.1	6893.8	6909.4	6928.3	6943.9	6951.8	6962.8	6953.3	6948.6	6945.5
25°	7136.8	7150.9	7182.3	7210.5	7223.1	7227.8	7237.2	7252.9	7251.3	7240.3	7240.3
27.5°	7453.6	7480.3	7519.5	7560.2	7560.2	7544.6	7575.9	7602.6	7593.2	7579.1	7560.2
30°	7837.8	7862.9	7908.4	7964.8	7936.6	7925.6	7968.0	8016.6	8002.5	7978.9	7975.8
32.5°	8251.8	8275.3	8334.9	8396.1	8360.0	8344.3	8389.8	8460.4	8435.3	8388.2	8360.0
35°	8700.3	8723.8	8808.5	8882.2	8821.1	8794.4	8832.0	8908.9	8865.0	8777.2	8755.2
37.5°	9188.0	9200.6	9310.3	9385.6	9343.3	9272.7	9319.7	9376.2	9338.6	9231.9	9189.6
40°	9694.5	9740.0	9867.0	9954.9	9881.2	9769.8	9848.2	9926.6	9870.2	9733.7	9661.6
42.5°	10285.7	10320.2	10489.6	10568.0	10448.8	10292.0	10398.7	10505.3	10448.8	10317.1	10254.4
45°	10900.5	10953.8	11156.1	11234.5	11062.0	10862.8	10993.0	11179.6	11174.9	10985.2	10919.3
47.5°	11570.1	11623.4	11864.9	11968.4	11781.8	11515.2	11698.7	11962.1	11943.3	11734.8	11681.4
50°	12343.2	12399.7	12700.8	12830.9	12656.8	12346.3	12622.3	12854.4	12819.9	12562.8	12567.5
52.5°	13313.9	13310.8	13685.6	13911.4	13732.6	13458.2	13712.2	13938.1	13795.4	13439.4	13428.4
55°	14163.9	14215.6	14679.8	15107.9	15097.0	14991.9	15093.8	15103.2	14695.5	14221.9	14163.9
57.5°	14722.2	14820.9	15474.9	16249.6	16829.8	16969.4	16771.8	16172.7	15217.7	14460.3	14367.7
60°	14378.7	14529.3	15556.4	17135.6	18844.9	19665.1	18550.1	16691.8	14811.5	13756.1	13630.7
62.5°	12060.9	12315.0	13818.9	16707.5	20579.3	22977.1	19839.2	15859.1	13196.3	11742.6	11527.8
65°	7345.4	7613.6	9426.4	13751.4	20298.6	25599.1	19251.1	13163.4	9631.8	7823.7	7591.6
67.5°	2447.9	2526.4	3594.3	7601.0	15953.2	23000.6	15979.8	7880.1	4191.8	2778.8	2697.3
70°	958.2	966.0	1140.1	2203.3	7533.6	15797.9	8313.0	2242.5	1191.8	942.5	962.9
72.5°	704.1	707.3	755.9	920.5	1963.4	6959.6	2033.9	925.2	735.5	660.2	660.2
75°	566.1	566.1	600.6	671.2	879.8	1596.4	892.3	663.3	575.5	526.9	520.6
77.5°	446.9	456.3	483.0	528.5	595.9	768.4	617.9	525.3	464.2	418.7	409.3
80°	332.5	341.9	385.8	407.7	428.1	533.2	456.3	410.9	367.0	313.6	304.2
82.5°	218.0	227.4	282.3	294.8	290.1	348.1	307.4	302.7	269.7	202.3	192.9
85°	142.7	145.8	188.2	196.0	180.3	158.4	196.0	207.0	188.2	131.7	127.0
87.5°	67.4	67.4	95.7	89.4	81.5	65.9	89.4	105.1	106.6	64.3	62.7
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)