

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: P316842

Luminaire Tested: **GAN-SA8B-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316842
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 47241 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

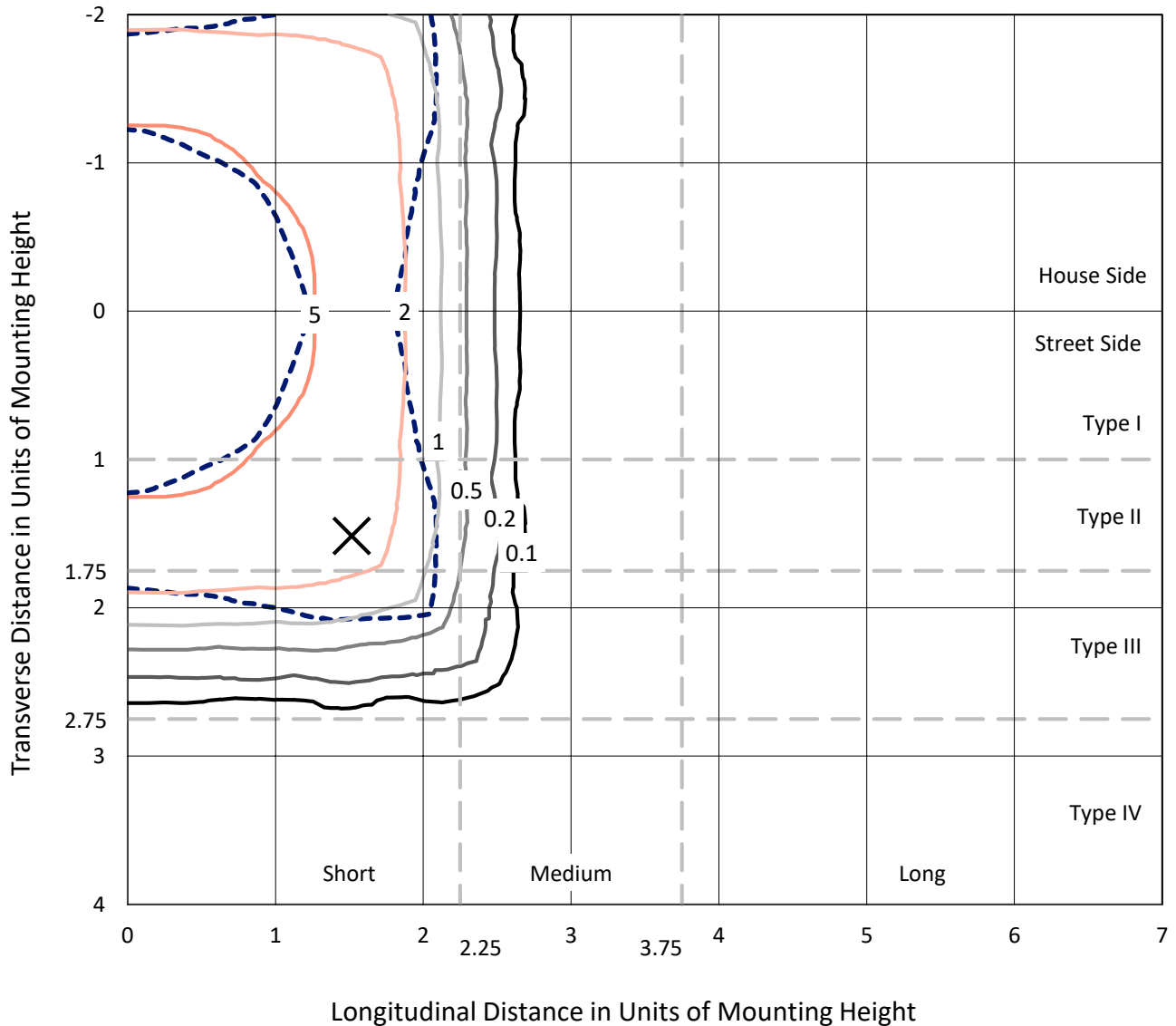
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

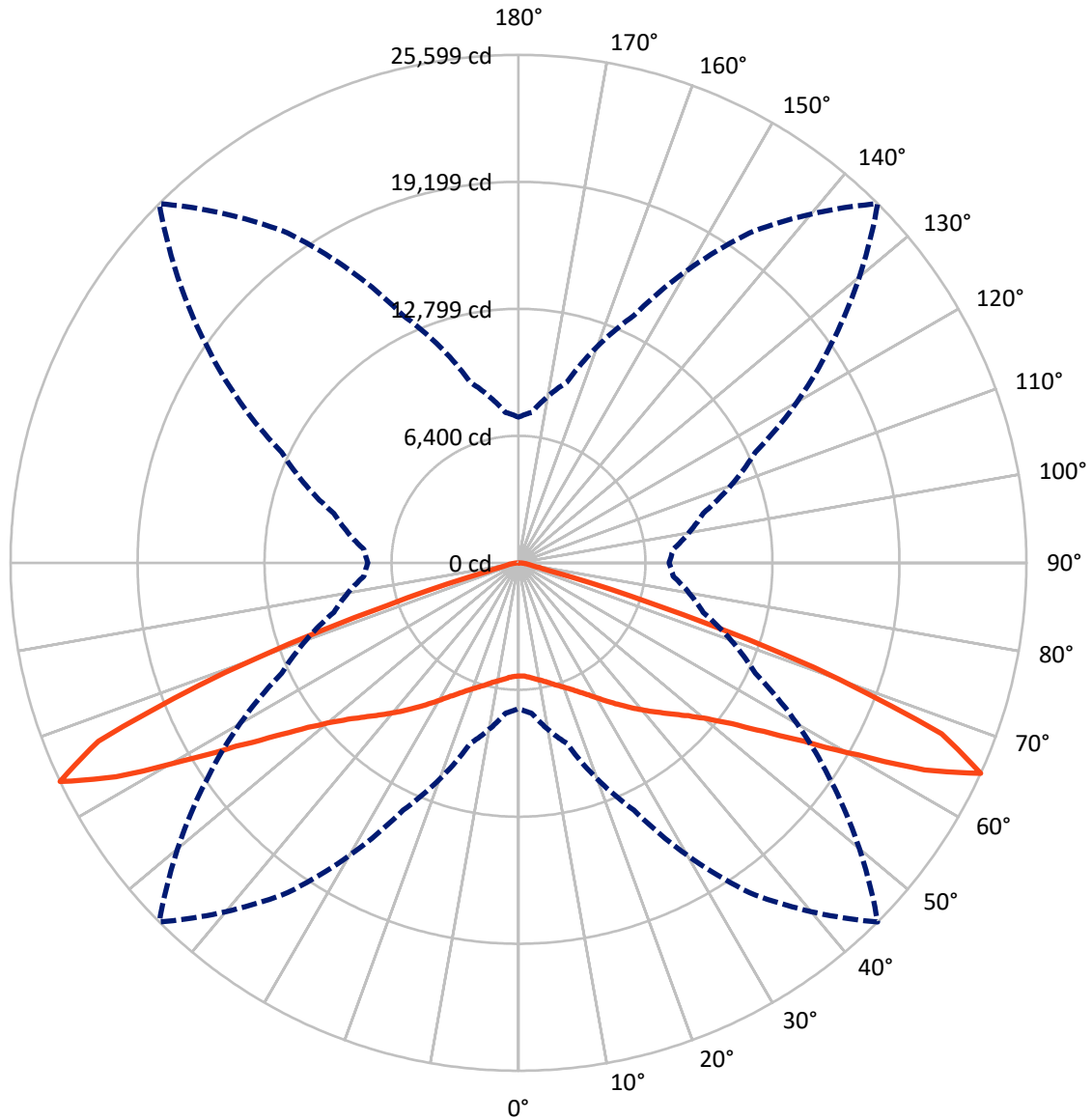
× Max cd
 - - - 1/2 Max cd



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	23620.5	0.0	23620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23620.5	0.0	23620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47241.0	0.0	47241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	1.2
10°-20°	1799.1	3.8
20°-30°	3375.5	7.1
30°-40°	5582.4	11.8
40°-50°	8646.4	18.3
50°-60°	13261.1	28.1
60°-70°	12374.2	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°	47241.0	100.0
0°-180°	47241.0	100.0

Coefficient of Utilization

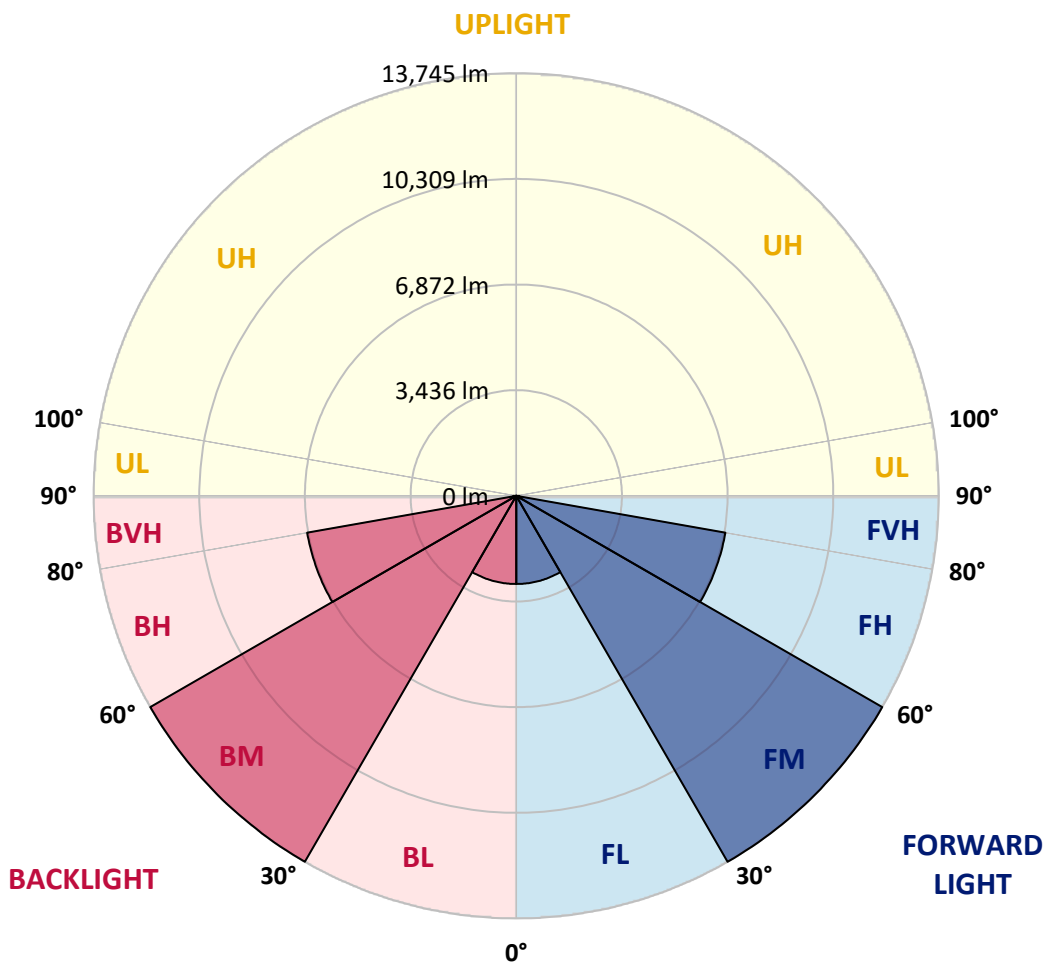


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2867.2	6.1			
FM (30°-60°)	13745.0	29.1			
FH (60°-80°)	6907.2	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°)	13745.0	29.1	B5		
BH (60°-80°)	6907.2	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°	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9	5704.9
2.5°	5723.8	5720.6	5723.8	5725.3	5715.9	5720.6	5719.1	5726.9	5730.0	5726.9	5726.9
5°	5789.6	5784.9	5791.2	5799.0	5786.5	5789.6	5784.9	5794.3	5797.5	5791.2	5795.9
7.5°	5880.6	5882.2	5888.4	5902.5	5894.7	5901.0	5891.6	5893.1	5891.6	5882.2	5883.7
10°	5979.4	5980.9	5991.9	6010.7	6013.9	6013.9	6007.6	6002.9	5996.6	5990.4	5991.9
12.5°	6098.6	6106.4	6114.2	6137.8	6137.8	6150.3	6147.2	6134.6	6123.6	6114.2	6114.2
15°	6260.1	6258.5	6267.9	6291.4	6302.4	6322.8	6322.8	6305.6	6291.4	6282.0	6278.9
17.5°	6429.4	6434.1	6440.4	6468.6	6485.9	6509.4	6512.5	6498.4	6489.0	6476.5	6468.6
20°	6627.0	6634.9	6660.0	6670.9	6686.6	6708.6	6716.4	6713.3	6703.9	6697.6	6699.2
22.5°	6857.5	6877.9	6893.6	6909.3	6928.1	6943.8	6951.6	6962.6	6953.2	6948.5	6945.4
25°	7136.7	7150.8	7182.2	7210.4	7222.9	7227.6	7237.0	7252.7	7251.2	7240.2	7240.2
27.5°	7453.4	7480.1	7519.3	7560.1	7560.1	7544.4	7575.8	7602.4	7593.0	7578.9	7560.1
30°	7837.6	7862.7	7908.2	7964.7	7936.4	7925.5	7967.8	8016.4	8002.3	7978.8	7975.6
32.5°	8251.6	8275.2	8334.7	8395.9	8359.8	8344.2	8389.6	8460.2	8435.1	8388.1	8359.8
35°	8700.1	8723.6	8808.3	8882.0	8820.9	8794.2	8831.9	8908.7	8864.8	8777.0	8755.0
37.5°	9187.8	9200.4	9310.1	9385.4	9343.1	9272.5	9319.5	9376.0	9338.4	9231.7	9189.4
40°	9694.3	9739.8	9866.8	9954.6	9880.9	9769.6	9848.0	9926.4	9870.0	9733.5	9661.4
42.5°	10285.5	10320.0	10489.4	10567.8	10448.6	10291.8	10398.4	10505.1	10448.6	10316.9	10254.2
45°	10900.2	10953.6	11155.9	11234.3	11061.8	10862.6	10992.8	11179.4	11174.7	10984.9	10919.1
47.5°	11569.8	11623.2	11864.7	11968.2	11781.6	11515.0	11698.4	11961.9	11943.1	11734.5	11681.2
50°	12343.0	12399.4	12700.5	12830.6	12656.6	12346.1	12622.1	12854.2	12819.7	12562.5	12567.2
52.5°	13313.6	13310.5	13685.3	13911.1	13732.3	13457.9	13711.9	13937.8	13795.1	13439.1	13428.1
55°	14163.6	14215.3	14679.5	15107.6	15096.6	14991.6	15093.5	15102.9	14695.2	14221.6	14163.6
57.5°	14721.8	14820.6	15474.6	16249.2	16829.4	16969.0	16771.4	16172.4	15217.4	14460.0	14367.4
60°	14378.4	14529.0	15556.1	17135.2	18844.5	19664.7	18549.7	16691.4	14811.2	13755.9	13630.4
62.5°	12060.7	12314.7	13818.6	16707.1	20578.9	22976.6	19838.7	15858.8	13196.0	11742.3	11527.5
65°	7345.2	7613.4	9426.2	13751.2	20298.2	25598.6	19250.7	13163.1	9631.6	7823.5	7591.4
67.5°	2447.9	2526.3	3594.2	7600.8	15952.8	23000.1	15979.5	7880.0	4191.7	2778.8	2697.2
70°	958.1	966.0	1140.0	2203.3	7533.4	15797.6	8312.8	2242.5	1191.8	942.5	962.8
72.5°	704.1	707.2	755.9	920.5	1963.3	6959.5	2033.9	925.2	735.5	660.2	660.2
75°	566.1	566.1	600.6	671.2	879.7	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°	332.4	341.9	385.8	407.7	428.1	533.2	456.3	410.9	366.9	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)