

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: P383636

Luminaire Tested: **GAN-SA9B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50128.5 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

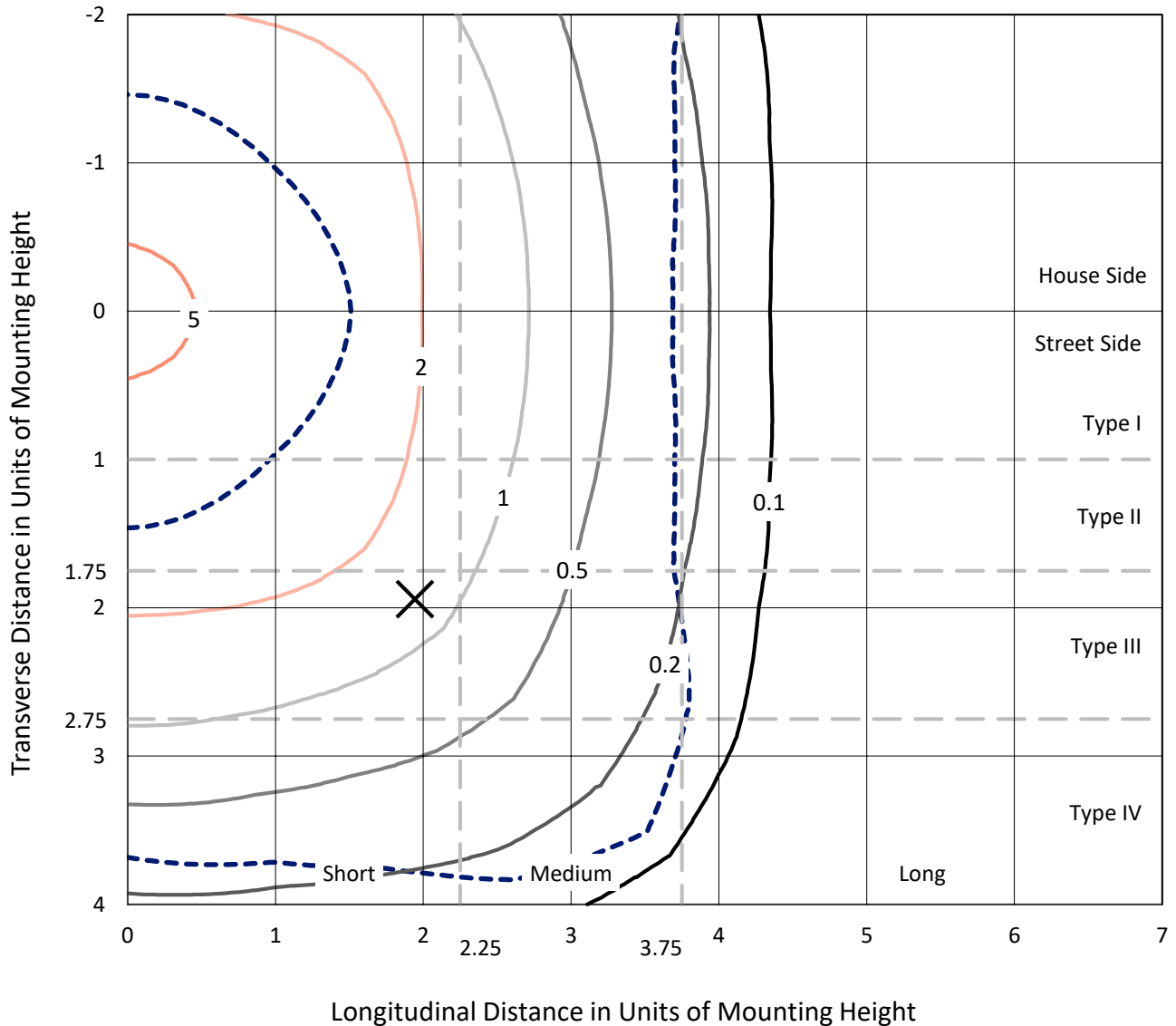
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

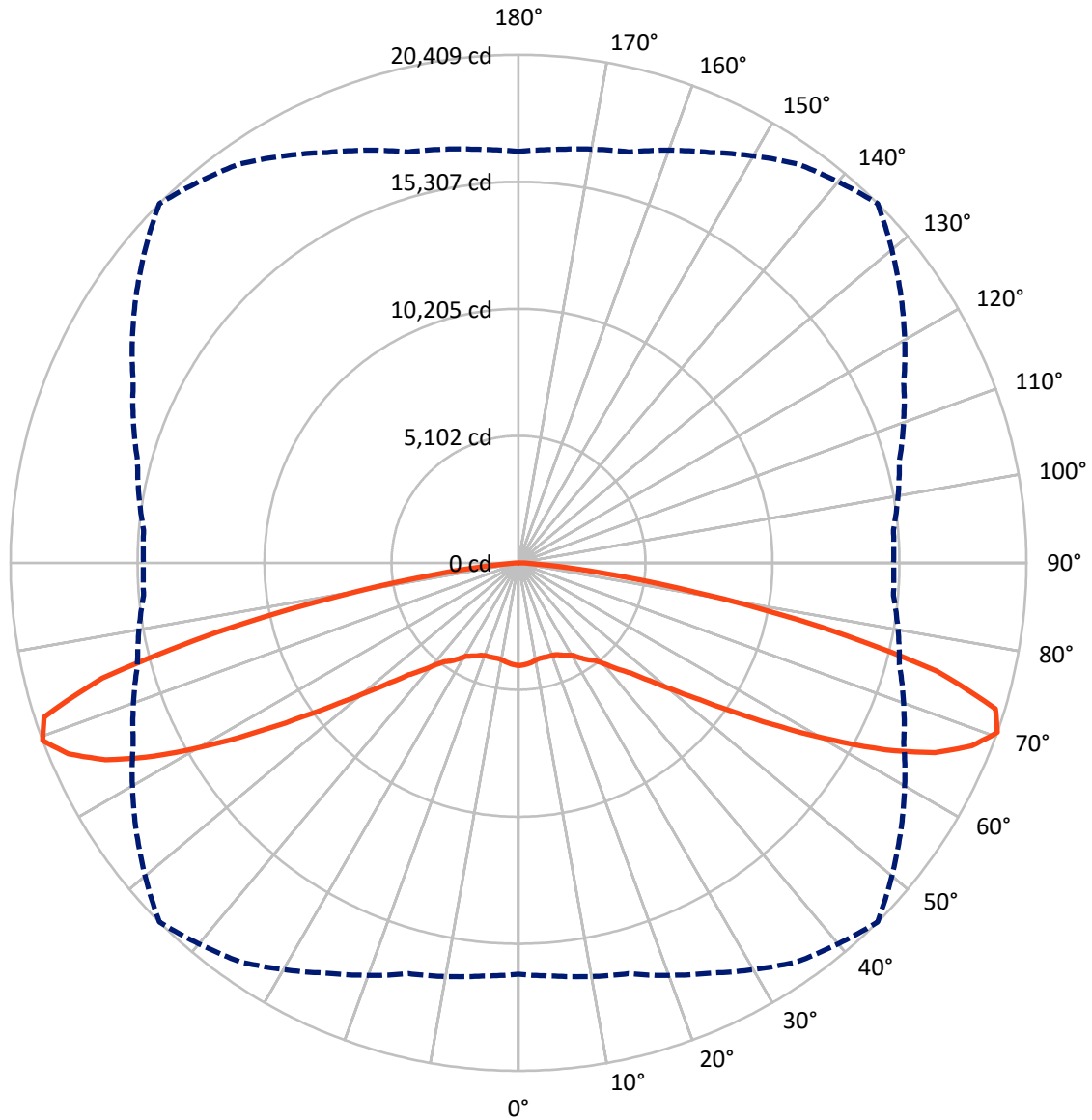
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25064.2	0.0	25064.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25064.2	0.0	25064.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	50128.5	0.0	50128.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.1	0.8
10°-20°	1124.8	2.2
20°-30°	1917.7	3.8
30°-40°	2996.4	6.0
40°-50°	5078.2	10.1
50°-60°	9260.6	18.5
60°-70°	15942.7	31.8
70°-80°	12496.5	24.9
80°-90°	926.6	1.8
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°	50128.5	100.0
0°-180°	50128.5	100.0



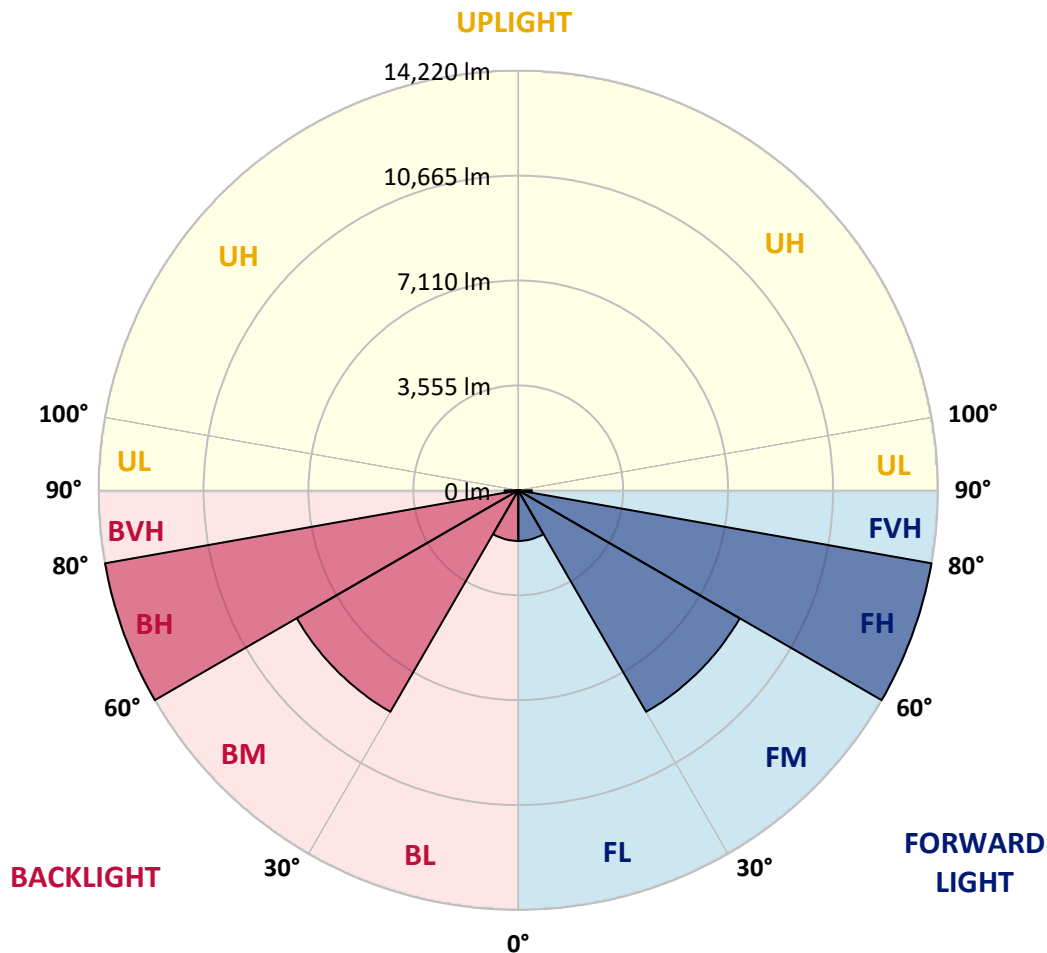
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.7	3.4			
FM (30°-60°)	8667.6	17.3			
FH (60°-80°)	14219.6	28.4			G5
FVH (80°-90°)	463.3	0.9			G3/500
BL (0°-30°)	1713.7	3.4	B3/2500		
BM (30°-60°)	8667.6	17.3	B5		
BH (60°-80°)	14219.6	28.4	B5		G5
BVH (80°-90°)	463.3	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5
2.5°	4107.4	4112.3	4107.4	4110.6	4102.3	4105.7	4105.7	4105.7	4104.0	4105.7	4102.3
5°	4070.9	4074.2	4067.5	4070.9	4065.9	4070.9	4072.5	4070.9	4067.5	4069.2	4062.6
7.5°	4016.2	4019.4	4014.5	4019.4	4012.8	4021.1	4019.4	4014.5	4009.5	4009.5	4002.9
10°	3986.3	3988.0	3974.7	3969.7	3954.8	3958.1	3963.1	3968.0	3973.1	3983.0	3981.3
12.5°	3988.0	3988.0	3968.0	3946.5	3925.0	3929.9	3938.2	3956.5	3976.3	3994.6	3996.2
15°	4004.5	4002.9	3973.1	3938.2	3923.3	3938.2	3943.1	3954.8	3986.3	4017.8	4019.4
17.5°	4016.2	4016.2	3969.7	3929.9	3928.2	3951.4	3949.9	3954.8	3989.6	4036.0	4037.7
20°	4037.7	4037.7	3978.0	3934.9	3934.9	3959.7	3961.4	3969.7	4004.5	4056.0	4064.2
22.5°	4085.8	4087.4	4024.5	3989.6	3992.9	4007.9	4012.8	4026.1	4057.6	4114.0	4124.0
25°	4153.8	4157.1	4092.4	4072.5	4084.1	4112.3	4109.0	4118.9	4153.8	4208.5	4218.4
27.5°	4248.3	4240.0	4180.3	4172.0	4183.6	4203.5	4201.8	4203.5	4231.7	4281.5	4293.0
30°	4371.0	4367.7	4324.5	4329.6	4324.5	4317.9	4319.6	4332.8	4347.8	4387.6	4399.1
32.5°	4490.3	4493.7	4467.1	4492.0	4528.5	4553.4	4515.2	4478.8	4462.2	4483.7	4493.7
35°	4705.9	4714.2	4672.7	4656.2	4705.9	4778.9	4671.2	4611.4	4644.6	4672.7	4681.0
37.5°	5072.4	5077.4	5007.7	4941.4	4905.0	4974.6	4866.8	4871.8	4987.9	5040.9	5039.2
40°	5490.3	5491.9	5445.5	5387.4	5324.4	5341.0	5297.9	5311.2	5387.4	5435.6	5448.8
42.5°	5987.7	5982.8	5909.8	5826.9	5808.7	5825.2	5752.3	5742.3	5830.2	5916.4	5918.1
45°	6632.8	6621.2	6526.6	6435.4	6347.6	6311.0	6292.8	6341.0	6462.0	6541.6	6543.2
47.5°	7327.6	7296.1	7246.3	7173.3	7097.1	7060.6	7030.8	7054.0	7141.8	7173.3	7176.6
50°	8042.2	8048.9	8058.8	8030.6	8002.5	7990.8	7912.8	7868.1	7894.7	7836.6	7828.4
52.5°	8889.6	8902.8	8999.0	9080.3	9128.3	9153.2	9005.6	8851.4	8765.2	8652.4	8619.2
55°	9889.4	9911.0	10052.0	10277.5	10509.6	10632.3	10365.3	10076.8	9809.8	9599.2	9531.3
57.5°	11003.7	11041.9	11235.9	11668.7	12144.6	12434.8	11983.7	11459.7	10944.1	10640.6	10587.5
60°	12310.4	12346.9	12615.5	13235.7	14006.7	14442.8	13759.7	12902.4	12260.7	11970.5	11872.7
62.5°	13865.8	13869.1	14199.1	14923.7	15941.9	16548.8	15623.5	14477.6	13816.1	13466.2	13371.6
65°	15538.9	15547.2	15888.8	16671.4	17724.4	18384.4	17339.7	16145.8	15336.6	14820.9	14748.0
67.5°	16721.2	16756.0	17115.9	18057.7	19042.7	19638.0	18556.8	17207.1	16271.8	15656.6	15595.3
70°	16532.2	16668.1	17091.0	18190.3	19560.0	20409.0	18754.1	17081.0	15847.3	15121.1	15069.6
72.5°	14417.9	14678.3	15242.1	16684.7	18875.2	20044.2	17678.0	15298.4	13902.2	13283.8	13190.9
75°	9818.1	10241.0	11091.7	13172.6	16125.9	17354.6	14882.2	12197.7	10884.4	10028.8	9965.7
77.5°	4377.6	4473.8	5551.7	7947.7	11128.1	12463.0	10813.0	7979.2	5989.4	4777.3	4521.9
80°	1220.4	1235.3	1648.3	2959.9	5569.8	7322.5	5979.4	3109.1	1747.8	1232.1	1160.7
82.5°	388.0	421.2	514.0	767.8	1872.1	3341.3	1921.9	829.1	590.3	470.9	424.5
85°	189.0	187.3	260.4	311.7	477.6	739.6	509.1	384.7	336.6	223.9	202.3
87.5°	79.6	81.2	121.0	109.5	139.3	119.4	164.1	172.4	180.7	99.5	86.3
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)