

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: P316894

Luminaire Tested: **GAN-SA0C-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316894
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-SA0C-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72216 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

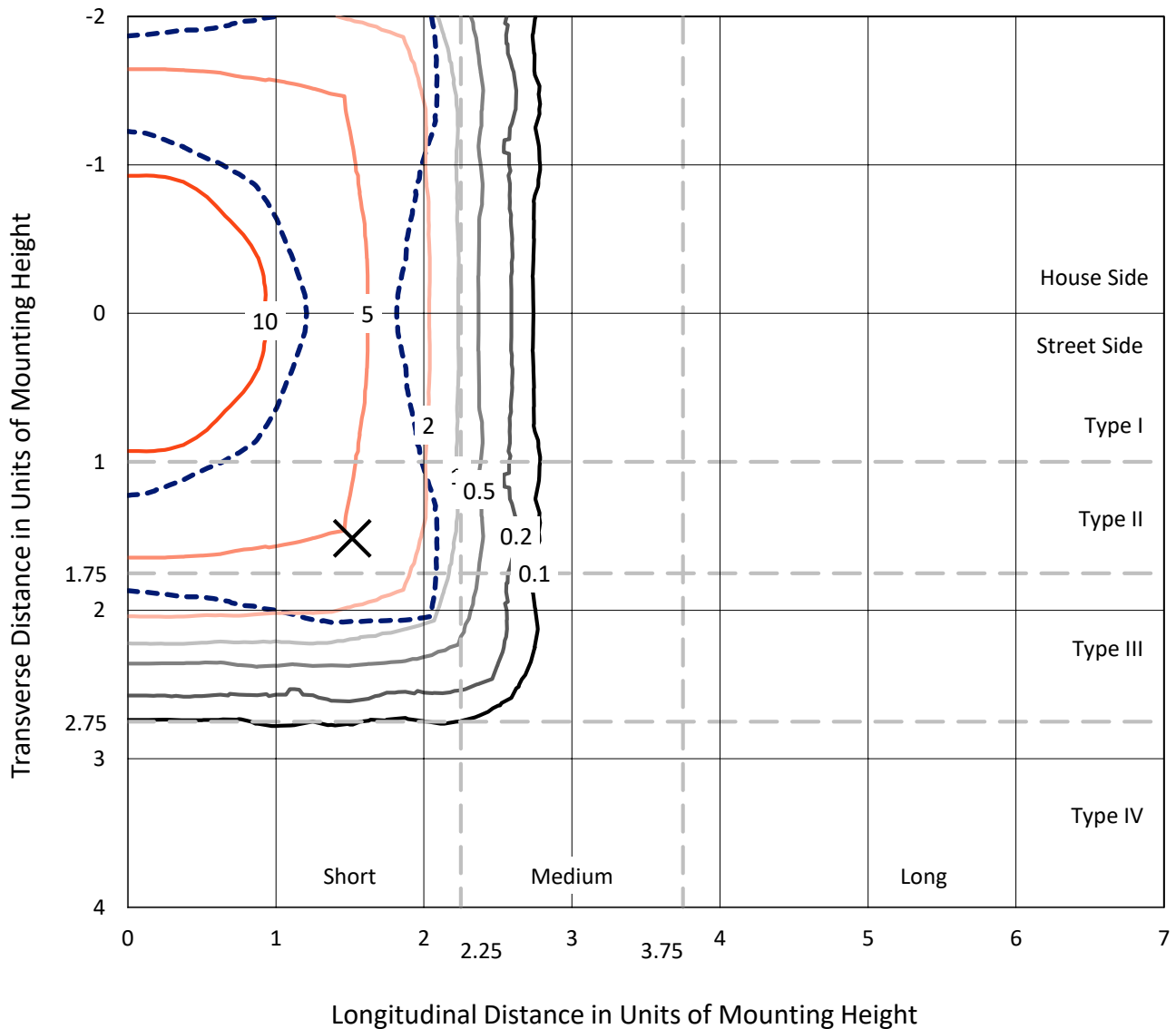
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

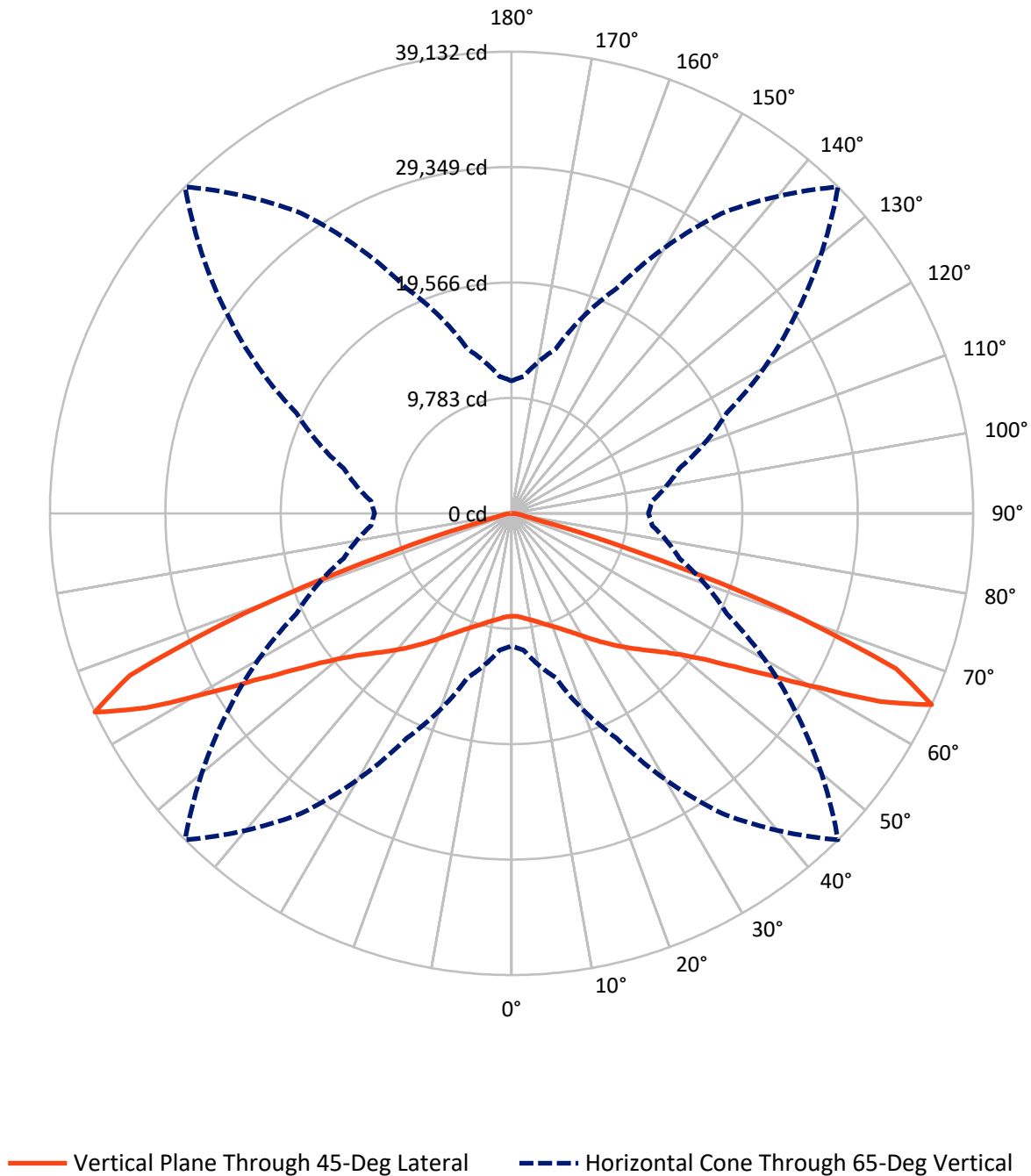
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36108.0	0.0	36108.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36108.0	0.0	36108.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	72216.0	0.0	72216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.6	1.2
10°-20°	2750.3	3.8
20°-30°	5160.0	7.1
30°-40°	8533.7	11.8
40°-50°	13217.5	18.3
50°-60°	20271.9	28.1
60°-70°	18916.0	26.2
70°-80°	2201.5	3.0
80°-90°	309.4	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°	72216.0	100.0
0°-180°	72216.0	100.0

Coefficient of Utilization



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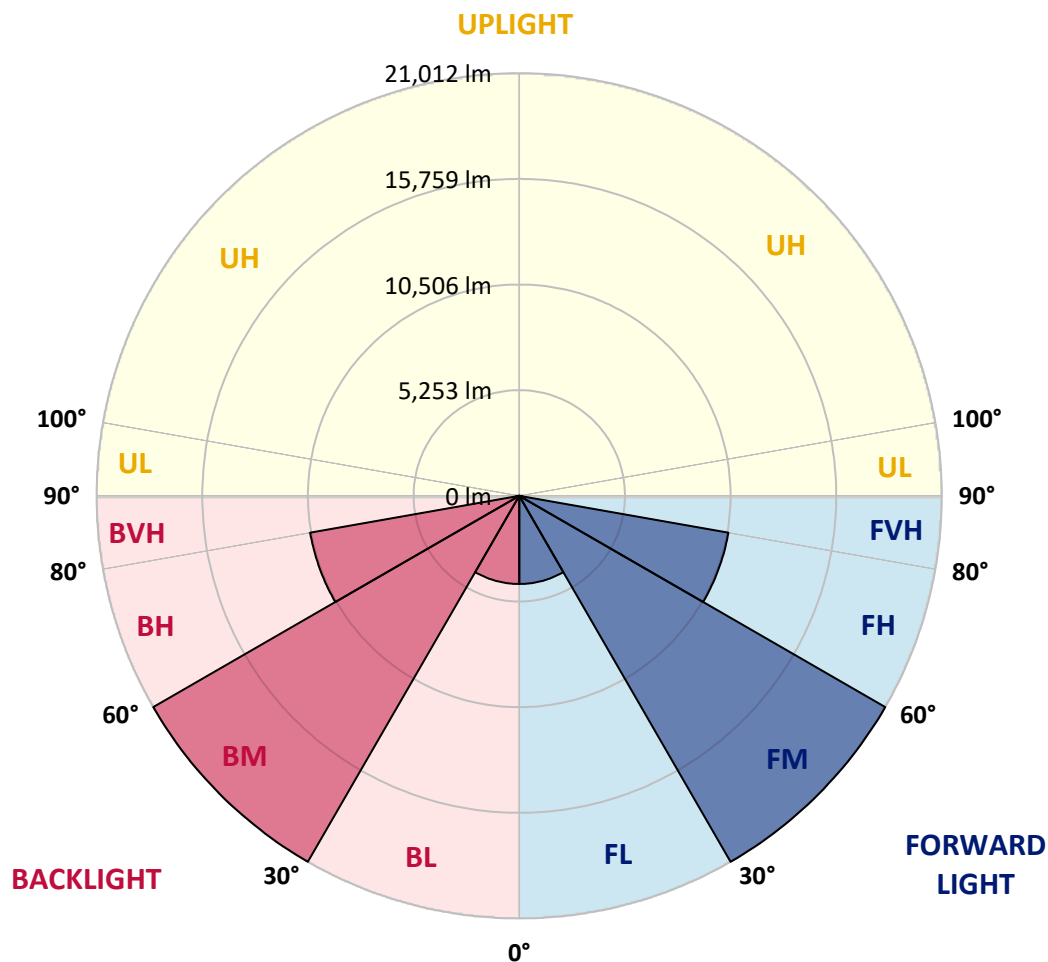
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4383.0	6.1			
FM	(30°-60°)	21011.6	29.1			
FH	(60°-80°)	10558.8	14.6			G4/12000
FVH	(80°-90°)	154.7	0.2			G2/225
BL	(0°-30°)	4383.0	6.1	B4/5000		
BM	(30°-60°)	21011.6	29.1	B5		
BH	(60°-80°)	10558.8	14.6	B5		G4/12000
BVH	(80°-90°)	154.7	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0	8721.0
2.5°	8749.8	8745.0	8749.8	8752.2	8737.8	8745.0	8742.6	8754.6	8759.4	8754.6	8754.6
5°	8850.4	8843.3	8852.8	8864.8	8845.7	8850.4	8843.3	8857.6	8862.4	8852.8	8860.0
7.5°	8989.5	8991.9	9001.5	9023.0	9011.1	9020.6	9006.3	9008.7	9006.3	8991.9	8994.3
10°	9140.5	9142.9	9159.7	9188.4	9193.2	9193.2	9183.7	9176.5	9166.9	9157.3	9159.7
12.5°	9322.7	9334.7	9346.7	9382.6	9382.6	9401.8	9397.0	9377.8	9361.0	9346.7	9346.7
15°	9569.6	9567.2	9581.6	9617.5	9634.3	9665.5	9665.5	9639.1	9617.5	9603.2	9598.4
17.5°	9828.5	9835.7	9845.3	9888.4	9914.8	9950.8	9955.6	9934.0	9919.6	9900.4	9888.4
20°	10130.5	10142.5	10180.9	10197.7	10221.6	10255.2	10267.2	10262.4	10248.0	10238.4	10240.8
22.5°	10482.9	10514.1	10538.1	10562.0	10590.8	10614.8	10626.8	10643.5	10629.2	10622.0	10617.2
25°	10909.6	10931.2	10979.2	11022.3	11041.5	11048.7	11063.1	11087.0	11084.6	11067.9	11067.9
27.5°	11393.9	11434.6	11494.6	11556.9	11556.9	11532.9	11580.9	11621.6	11607.2	11585.6	11556.9
30°	11981.2	12019.5	12089.1	12175.4	12132.2	12115.4	12180.1	12254.5	12232.9	12196.9	12192.1
32.5°	12614.0	12650.0	12741.1	12834.6	12779.4	12755.5	12825.0	12932.9	12894.5	12822.6	12779.4
35°	13299.6	13335.6	13465.0	13577.7	13484.2	13443.5	13501.0	13618.5	13551.3	13417.1	13383.5
37.5°	14045.2	14064.3	14232.1	14347.2	14282.5	14174.6	14246.5	14332.8	14275.3	14112.3	14047.6
40°	14819.5	14889.0	15083.2	15217.4	15104.7	14934.5	15054.4	15174.2	15087.9	14879.4	14769.1
42.5°	15723.2	15775.9	16034.8	16154.7	15972.5	15732.8	15895.8	16058.8	15972.5	15771.1	15675.3
45°	16662.9	16744.4	17053.6	17173.5	16909.8	16605.4	16804.3	17089.6	17082.4	16792.4	16691.7
47.5°	17686.5	17768.0	18137.2	18295.4	18010.1	17602.6	17883.1	18285.8	18257.0	17938.2	17856.7
50°	18868.3	18954.6	19414.9	19613.9	19347.8	18873.1	19295.0	19649.8	19597.1	19203.9	19211.1
52.5°	20352.2	20347.4	20920.3	21265.5	20992.2	20572.7	20961.1	21306.3	21088.1	20544.0	20527.2
55°	21651.5	21730.6	22440.1	23094.6	23077.8	22917.2	23073.0	23087.4	22464.1	21740.2	21651.5
57.5°	22504.9	22655.9	23655.5	24839.7	25726.7	25940.1	25638.0	24722.3	23262.4	22104.5	21963.1
60°	21979.9	22210.0	23780.2	26194.2	28807.1	30060.8	28356.4	25515.7	22641.5	21028.2	20836.4
62.5°	18436.8	18825.2	21124.1	25539.7	31458.4	35123.7	30326.9	24242.8	20172.4	17950.2	17621.8
65°	11228.5	11638.4	14409.5	21021.0	31029.3	39131.8	29428.0	20122.1	14723.6	11959.6	11604.8
67.5°	3742.0	3861.9	5494.4	11619.2	24386.7	35159.7	24427.4	12045.9	6407.7	4247.8	4123.2
70°	1464.7	1476.7	1742.8	3368.1	11516.1	24149.3	12707.5	3428.0	1821.9	1440.7	1471.9
72.5°	1076.3	1081.1	1155.4	1407.2	3001.3	10638.8	3109.2	1414.3	1124.3	1009.2	1009.2
75°	865.4	865.4	918.1	1026.0	1344.8	2440.3	1364.0	1014.0	879.8	805.5	795.9
77.5°	683.2	697.6	738.3	807.9	910.9	1174.6	944.5	803.1	709.6	640.1	625.7
80°	508.2	522.6	589.7	623.3	654.4	815.0	697.6	628.1	560.9	479.4	465.1
82.5°	333.2	347.6	431.5	450.7	443.5	532.2	469.9	462.7	412.3	309.2	294.9
85°	218.1	222.9	287.7	299.6	275.7	242.1	299.6	316.4	287.7	201.4	194.2
87.5°	103.1	103.1	146.2	136.6	124.7	100.7	136.6	160.6	163.0	98.3	95.9
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)