

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: P316254

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316254
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-SA0C-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73741 lumens
Efficiency: N/A
Efficacy: 132.2 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): 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

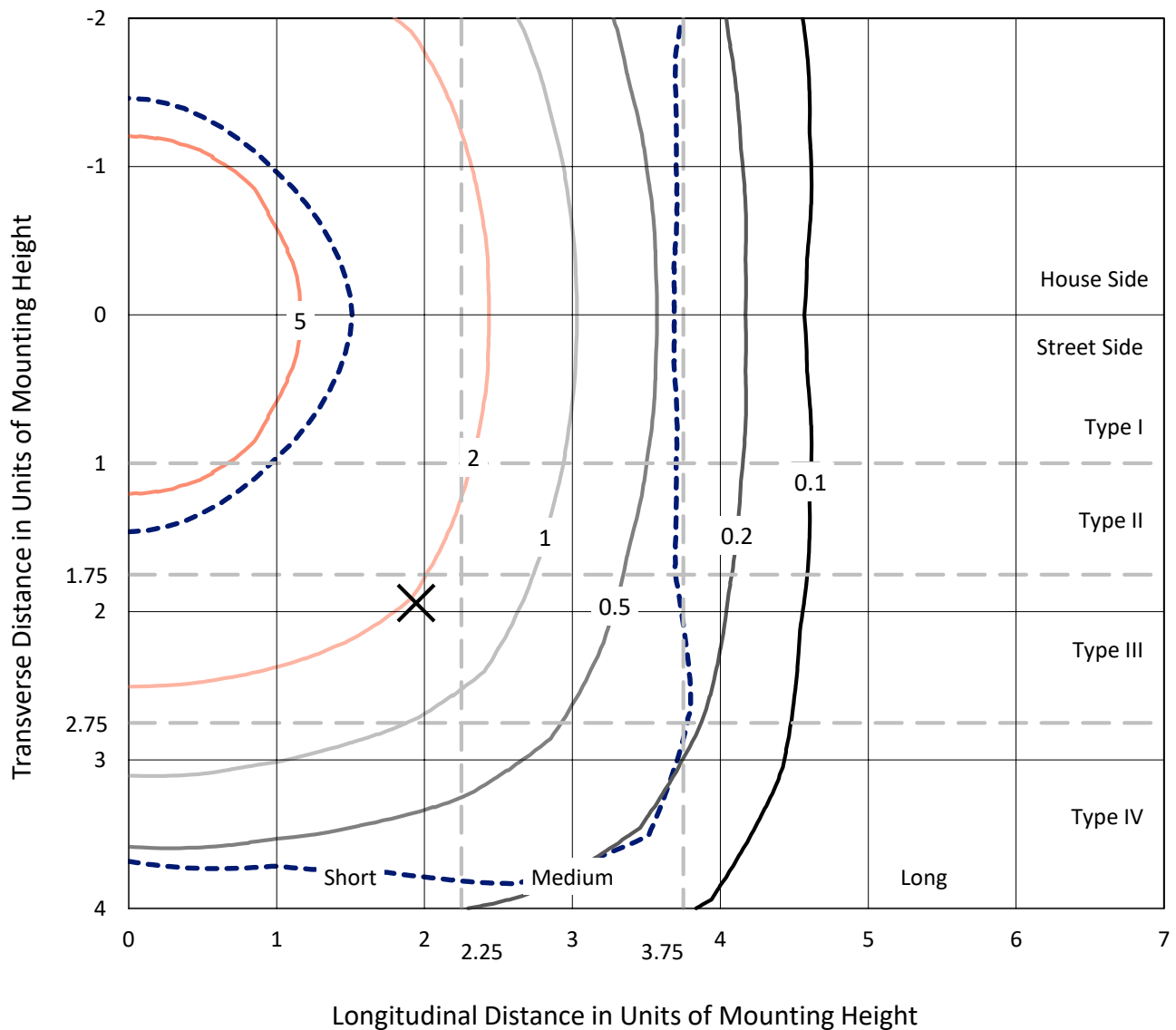


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Iso-Footcandle Lines of Horizontal Illumination

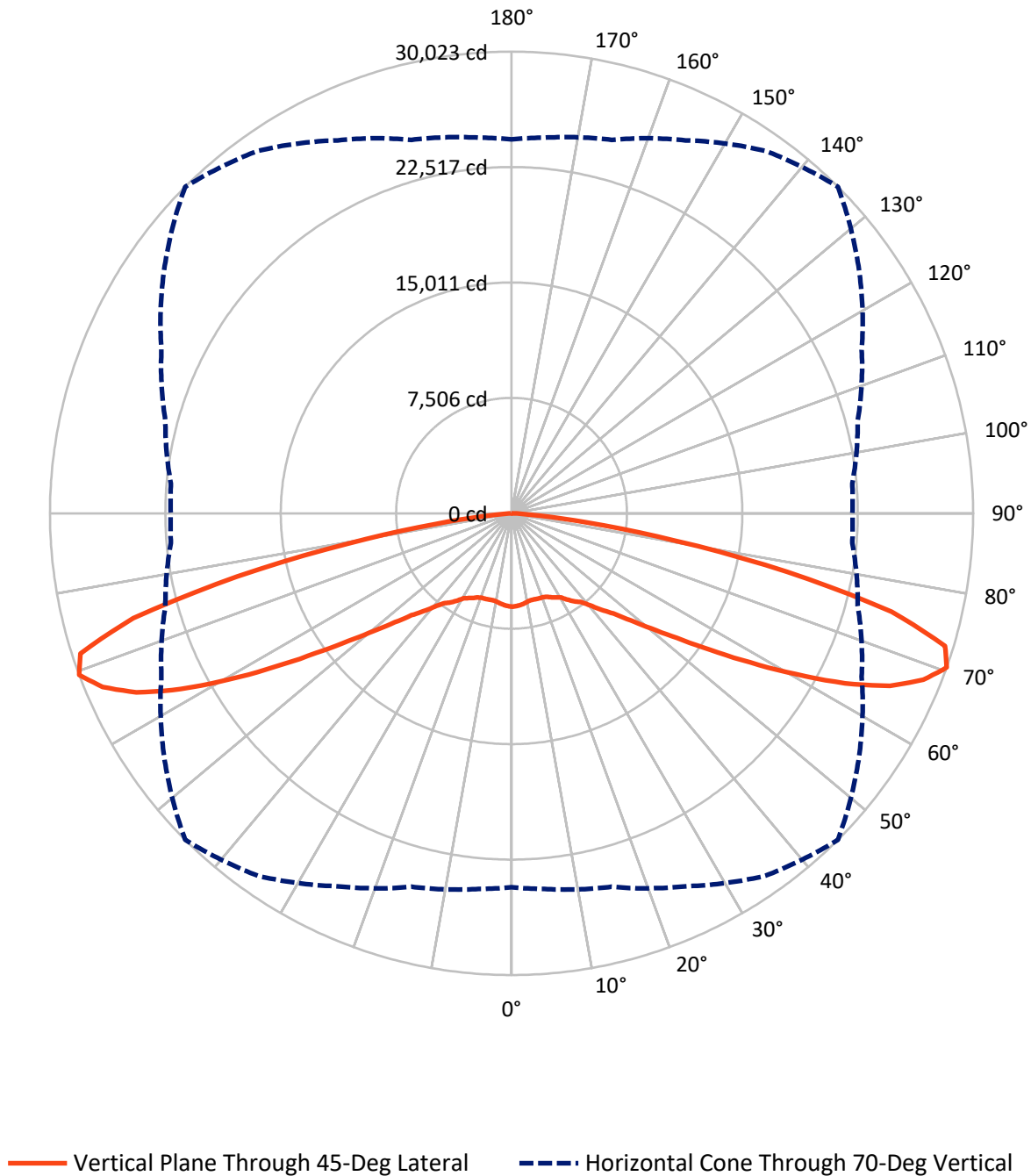
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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	36870.5	0.0	36870.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36870.5	0.0	36870.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	73741.0	0.0	73741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.4	0.8
10°-20°	1654.6	2.2
20°-30°	2821.0	3.8
30°-40°	4407.9	6.0
40°-50°	7470.3	10.1
50°-60°	13622.7	18.5
60°-70°	23452.3	31.8
70°-80°	18382.8	24.9
80°-90°	1363.1	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°	73741.0	100.0
0°-180°	73741.0	100.0

Coefficient of Utilization



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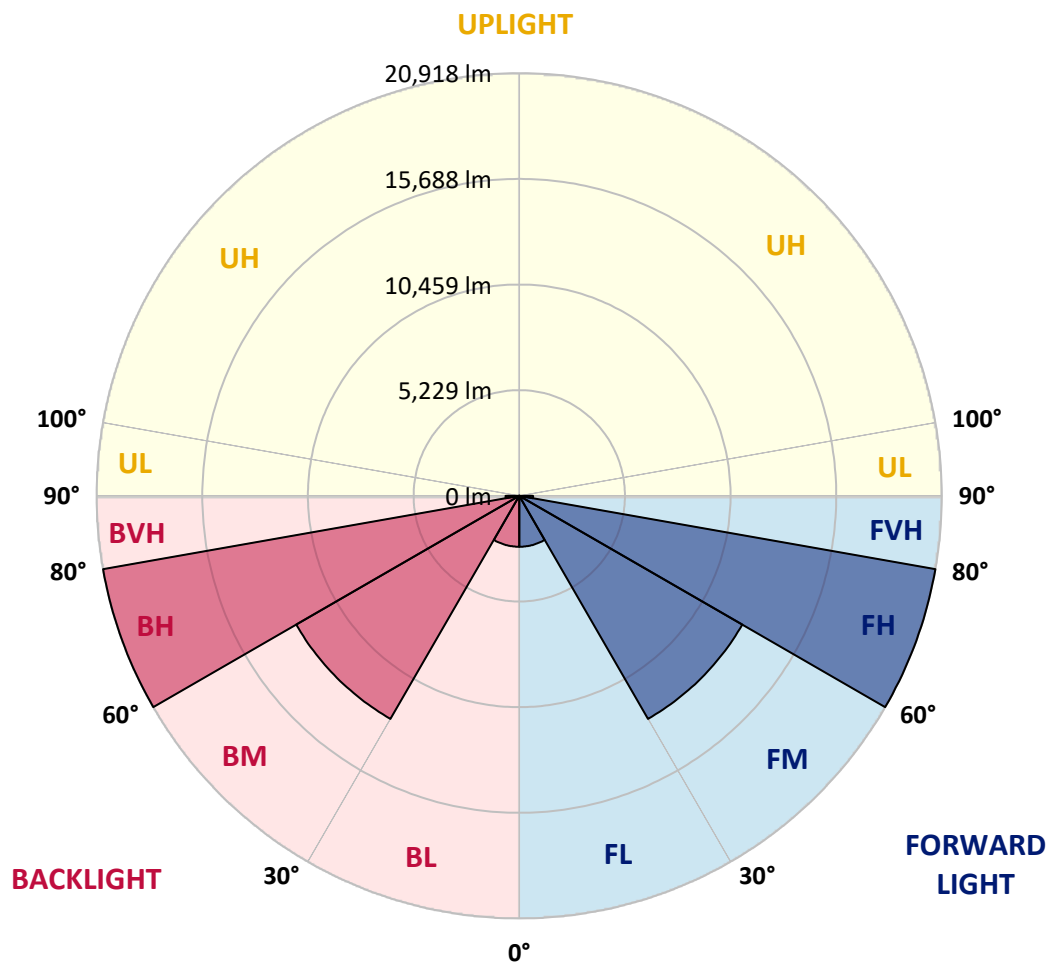
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2521.0	3.4			
FM	(30°-60°)	12750.4	17.3			
FH	(60°-80°)	20917.6	28.4			G5
FVH	(80°-90°)	681.5	0.9			G4/750
BL	(0°-30°)	2521.0	3.4	B4/5000		
BM	(30°-60°)	12750.4	17.3	B5		
BH	(60°-80°)	20917.6	28.4	B5		G5
BVH	(80°-90°)	681.5	0.9			G4/750
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°	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9	6068.9
2.5°	6042.1	6049.4	6042.1	6046.9	6034.7	6039.6	6039.6	6039.6	6037.2	6039.6	6034.7
5°	5988.4	5993.3	5983.5	5988.4	5981.1	5988.4	5990.8	5988.4	5983.5	5986.0	5976.2
7.5°	5907.9	5912.8	5905.5	5912.8	5903.0	5915.2	5912.8	5905.5	5898.1	5898.1	5888.4
10°	5864.0	5866.4	5846.9	5839.6	5817.6	5822.5	5829.8	5837.2	5844.5	5859.1	5856.7
12.5°	5866.4	5866.4	5837.2	5805.5	5773.7	5781.1	5793.3	5820.1	5849.4	5876.2	5878.6
15°	5890.8	5888.4	5844.5	5793.3	5771.3	5793.3	5800.6	5817.6	5864.0	5910.3	5912.8
17.5°	5907.9	5907.9	5839.6	5781.1	5778.6	5812.8	5810.3	5817.6	5868.9	5937.2	5939.6
20°	5939.6	5939.6	5851.8	5788.4	5788.4	5825.0	5827.4	5839.6	5890.8	5966.4	5978.6
22.5°	6010.4	6012.8	5920.1	5868.9	5873.8	5895.7	5903.0	5922.5	5968.9	6051.8	6066.5
25°	6110.4	6115.2	6020.1	5990.8	6007.9	6049.4	6044.5	6059.1	6110.4	6190.9	6205.5
27.5°	6249.4	6237.2	6149.4	6137.2	6154.3	6183.5	6181.1	6183.5	6225.0	6298.2	6315.3
30°	6429.9	6425.0	6361.6	6368.9	6361.6	6351.8	6354.3	6373.8	6395.8	6454.3	6471.4
32.5°	6605.5	6610.4	6571.4	6608.0	6661.6	6698.2	6642.1	6588.5	6564.1	6595.8	6610.4
35°	6922.6	6934.8	6873.9	6849.5	6922.6	7030.0	6871.4	6783.6	6832.4	6873.9	6886.0
37.5°	7461.7	7469.0	7366.6	7269.0	7215.3	7317.8	7159.2	7166.6	7337.3	7415.4	7412.9
40°	8076.4	8078.8	8010.6	7925.2	7832.5	7856.9	7793.5	7813.0	7925.2	7995.9	8015.4
42.5°	8808.2	8800.9	8693.5	8571.6	8544.7	8569.1	8461.8	8447.2	8576.5	8703.3	8705.7
45°	9757.1	9740.0	9601.0	9466.8	9337.5	9283.8	9257.0	9327.8	9505.8	9622.9	9625.3
47.5°	10779.1	10732.8	10659.6	10552.3	10440.1	10386.4	10342.5	10376.6	10505.9	10552.3	10557.1
50°	11830.4	11840.2	11854.8	11813.4	11771.9	11754.8	11640.2	11574.3	11613.3	11528.0	11515.8
52.5°	13076.9	13096.4	13237.9	13357.4	13428.2	13464.7	13247.7	13020.8	12894.0	12728.1	12679.3
55°	14547.8	14579.5	14786.8	15118.6	15460.1	15640.6	15247.9	14823.4	14430.7	14120.9	14020.9
57.5°	16187.0	16243.1	16528.5	17165.1	17865.2	18292.1	17628.6	16857.8	16099.2	15652.8	15574.7
60°	18109.1	18162.8	18557.9	19470.2	20604.5	21246.0	20241.0	18979.9	18035.9	17609.1	17465.1
62.5°	20397.1	20402.0	20887.4	21953.4	23451.1	24343.9	22982.8	21297.2	20324.0	19809.3	19670.2
65°	22858.4	22870.6	23373.0	24524.4	26073.3	27044.1	25507.4	23751.1	22560.8	21802.2	21694.8
67.5°	24597.6	24648.8	25178.1	26563.6	28012.5	28888.2	27297.8	25312.3	23936.5	23031.6	22941.3
70°	24319.5	24519.5	25141.5	26758.8	28773.6	30022.5	27588.1	25126.9	23312.1	22243.7	22168.1
72.5°	21209.4	21592.4	22421.7	24543.9	27766.2	29485.9	26005.0	22504.7	20450.8	19541.0	19404.4
75°	14442.9	15064.9	16316.3	19377.5	23721.9	25529.4	21892.4	17943.2	16011.3	14752.7	14660.0
77.5°	6439.7	6581.1	8166.7	11691.4	16369.9	18333.5	15906.5	11737.7	8810.6	7027.5	6651.9
80°	1795.3	1817.3	2424.6	4354.1	8193.5	10771.8	8796.0	4573.6	2571.0	1812.4	1707.5
82.5°	570.8	619.6	756.2	1129.4	2753.9	4915.1	2827.1	1219.6	868.4	692.8	624.5
85°	278.1	275.6	383.0	458.6	702.5	1087.9	748.9	565.9	495.2	329.3	297.6
87.5°	117.1	119.5	178.1	161.0	204.9	175.6	241.5	253.7	265.9	146.4	126.8
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)