

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: P316174

Luminaire Tested: **GAN-SA0C-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316174
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 73742 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

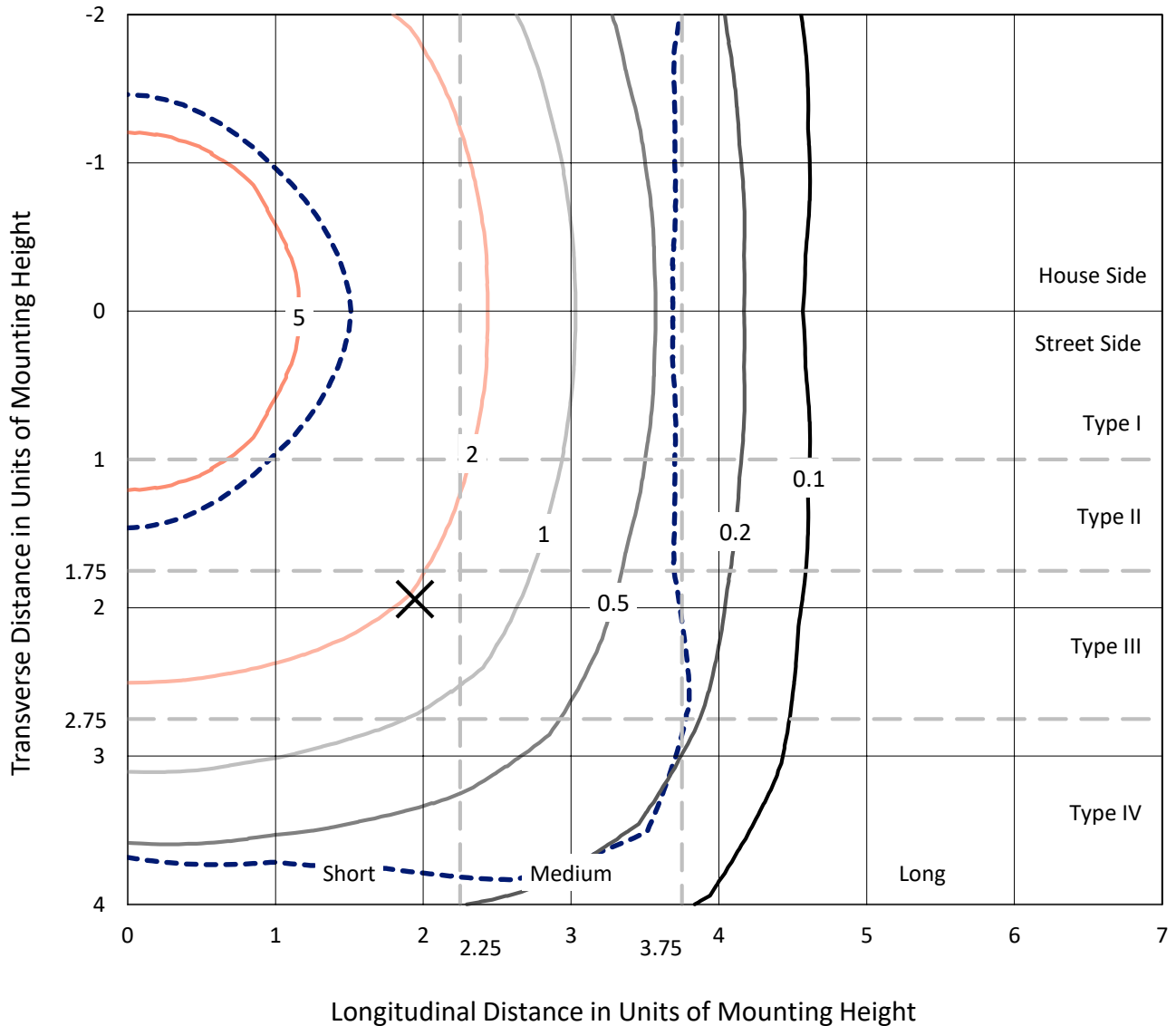
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

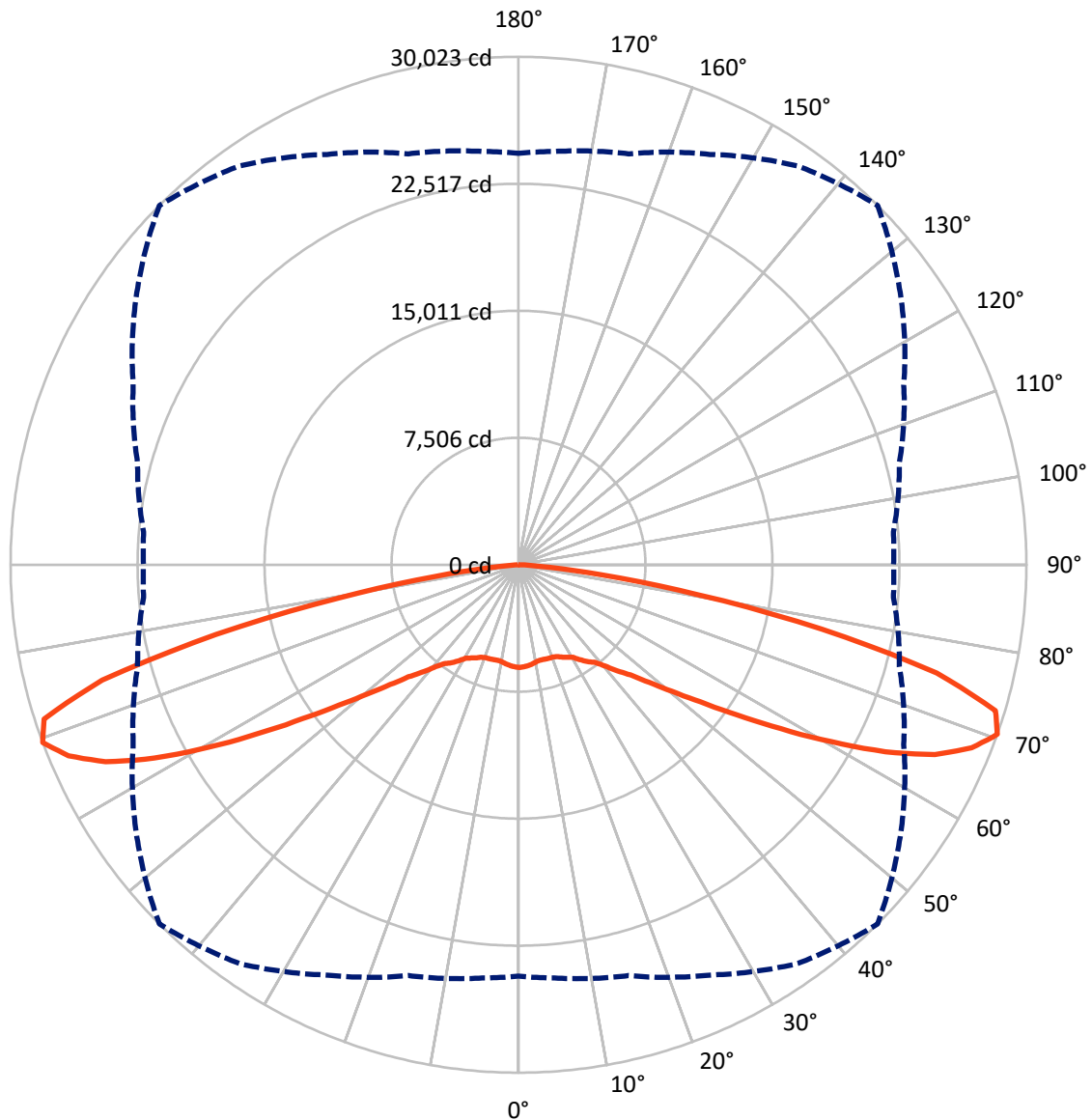
✕ Max cd
 - - - 1/2 Max cd



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



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

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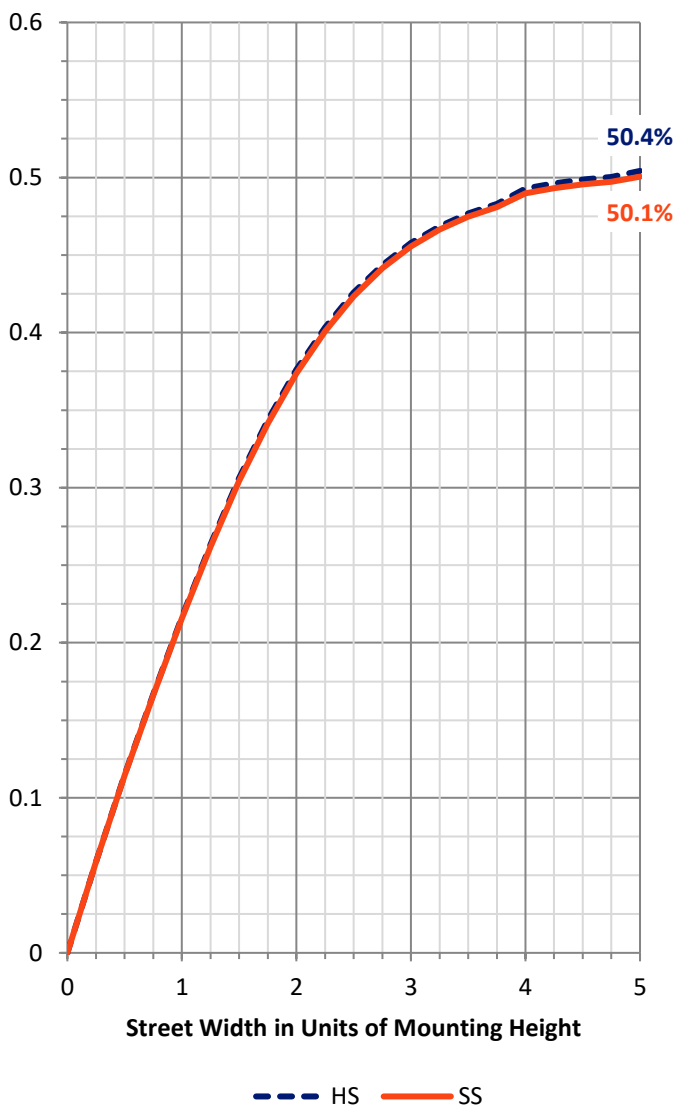
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36871.0	0.0	36871.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36871.0	0.0	36871.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	73742.0	0.0	73742.0
	% 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°	7470.4	10.1
50°-60°	13622.8	18.5
60°-70°	23452.7	31.8
70°-80°	18383.1	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°	73742.0	100.0
0°-180°	73742.0	100.0

Coefficient of Utilization

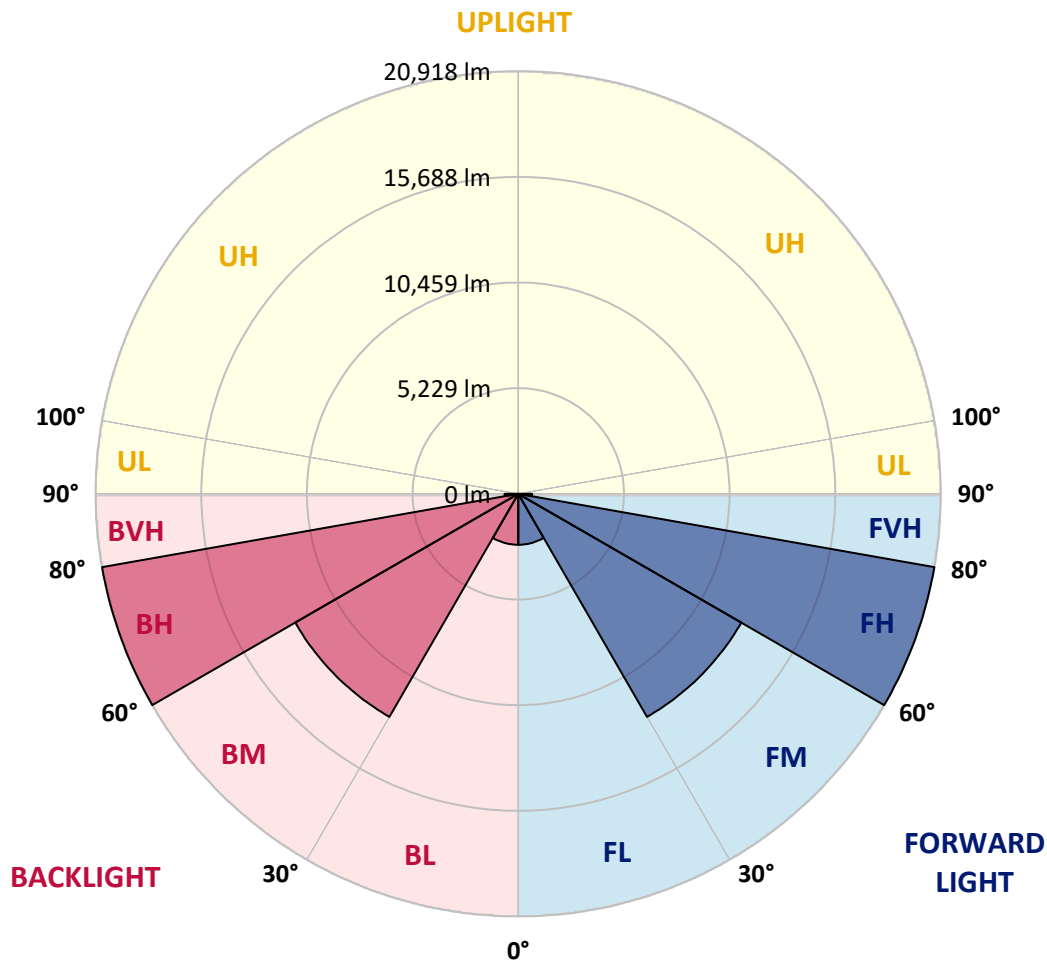


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2521.0	3.4			
FM (30°-60°)	12750.6	17.3			
FH (60°-80°)	20917.9	28.4			G5
FVH (80°-90°)	681.5	0.9			G4/750
BL (0°-30°)	2521.0	3.4	B4/5000		
BM (30°-60°)	12750.6	17.3	B5		
BH (60°-80°)	20917.9	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°	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0	6069.0
2.5°	6042.1	6049.5	6042.1	6047.0	6034.8	6039.7	6039.7	6039.7	6037.3	6039.7	6034.8
5°	5988.5	5993.4	5983.6	5988.5	5981.2	5988.5	5990.9	5988.5	5983.6	5986.0	5976.3
7.5°	5908.0	5912.9	5905.5	5912.9	5903.1	5915.3	5912.9	5905.5	5898.2	5898.2	5888.5
10°	5864.1	5866.5	5847.0	5839.7	5817.7	5822.6	5829.9	5837.2	5844.6	5859.2	5856.8
12.5°	5866.5	5866.5	5837.2	5805.5	5773.8	5781.1	5793.3	5820.2	5849.4	5876.3	5878.7
15°	5890.9	5888.5	5844.6	5793.3	5771.4	5793.3	5800.7	5817.7	5864.1	5910.4	5912.9
17.5°	5908.0	5908.0	5839.7	5781.1	5778.7	5812.9	5810.4	5817.7	5869.0	5937.3	5939.7
20°	5939.7	5939.7	5851.9	5788.5	5788.5	5825.0	5827.5	5839.7	5890.9	5966.5	5978.7
22.5°	6010.4	6012.9	5920.2	5869.0	5873.8	5895.8	5903.1	5922.6	5969.0	6051.9	6066.5
25°	6110.4	6115.3	6020.2	5990.9	6008.0	6049.5	6044.6	6059.2	6110.4	6190.9	6205.6
27.5°	6249.5	6237.3	6149.5	6137.3	6154.4	6183.6	6181.2	6183.6	6225.1	6298.3	6315.3
30°	6430.0	6425.1	6361.7	6369.0	6361.7	6351.9	6354.4	6373.9	6395.8	6454.4	6471.5
32.5°	6605.6	6610.5	6571.5	6608.1	6661.7	6698.3	6642.2	6588.5	6564.2	6595.9	6610.5
35°	6922.7	6934.9	6873.9	6849.6	6922.7	7030.1	6871.5	6783.7	6832.5	6873.9	6886.1
37.5°	7461.8	7469.1	7366.7	7269.1	7215.4	7317.9	7159.3	7166.7	7337.4	7415.5	7413.0
40°	8076.5	8079.0	8010.7	7925.3	7832.6	7857.0	7793.6	7813.1	7925.3	7996.0	8015.5
42.5°	8808.3	8801.0	8693.7	8571.7	8544.9	8569.3	8461.9	8447.3	8576.6	8703.4	8705.9
45°	9757.2	9740.1	9601.1	9466.9	9337.6	9284.0	9257.1	9327.9	9505.9	9623.0	9625.5
47.5°	10779.3	10732.9	10659.7	10552.4	10440.2	10386.5	10342.6	10376.8	10506.1	10552.4	10557.3
50°	11830.6	11840.4	11855.0	11813.5	11772.1	11755.0	11640.3	11574.5	11613.5	11528.1	11515.9
52.5°	13077.1	13096.6	13238.1	13357.6	13428.3	13464.9	13247.8	13021.0	12894.1	12728.3	12679.5
55°	14548.0	14579.7	14787.0	15118.8	15460.3	15640.8	15248.1	14823.6	14430.9	14121.1	14021.1
57.5°	16187.2	16243.3	16528.7	17165.3	17865.4	18292.3	17628.8	16858.0	16099.4	15653.0	15574.9
60°	18109.4	18163.0	18558.2	19470.5	20604.8	21246.3	20241.3	18980.2	18036.2	17609.3	17465.4
62.5°	20397.4	20402.3	20887.7	21953.7	23451.4	24344.2	22983.1	21297.5	20324.2	19809.5	19670.5
65°	22858.7	22870.9	23373.4	24524.7	26073.7	27044.5	25507.8	23751.5	22561.1	21802.5	21695.1
67.5°	24597.9	24649.1	25178.4	26564.0	28012.9	28888.6	27298.2	25312.6	23936.8	23031.9	22941.6
70°	24319.8	24519.8	25141.9	26759.1	28774.0	30022.9	27588.5	25127.2	23312.4	22244.0	22168.4
72.5°	21209.7	21592.7	22422.0	24544.2	27766.5	29486.3	26005.4	22505.0	20451.1	19541.2	19404.6
75°	14443.1	15065.1	16316.5	19377.8	23722.2	25529.7	21892.7	17943.5	16011.6	14752.9	14660.2
77.5°	6439.8	6581.2	8166.8	11691.6	16370.1	18333.8	15906.7	11737.9	8810.7	7027.6	6652.0
80°	1795.3	1817.3	2424.7	4354.1	8193.6	10771.9	8796.1	4573.7	2571.0	1812.4	1707.5
82.5°	570.8	619.6	756.2	1129.4	2754.0	4915.2	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)