

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: P316814

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316814  
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-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 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: 72218 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

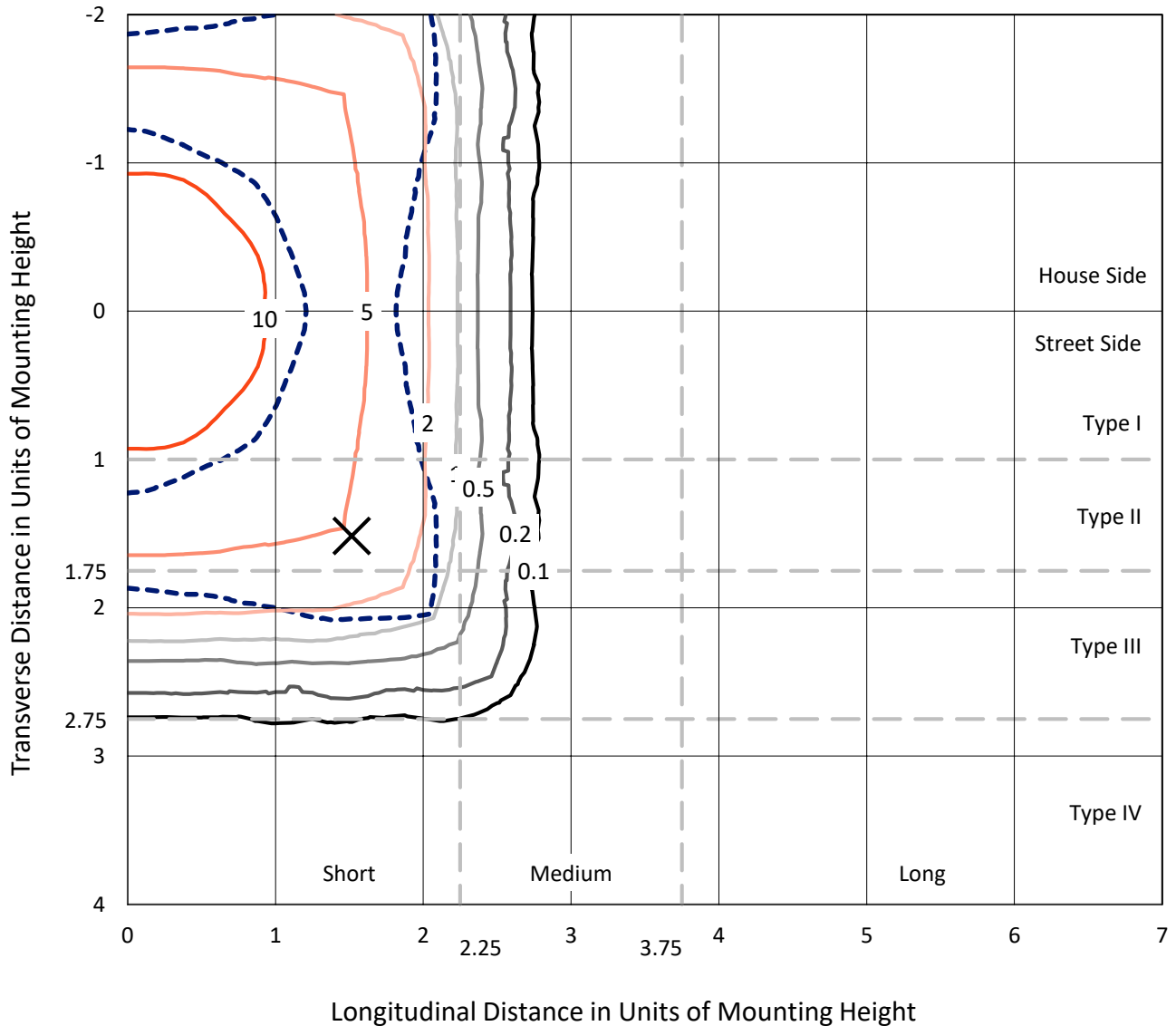
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

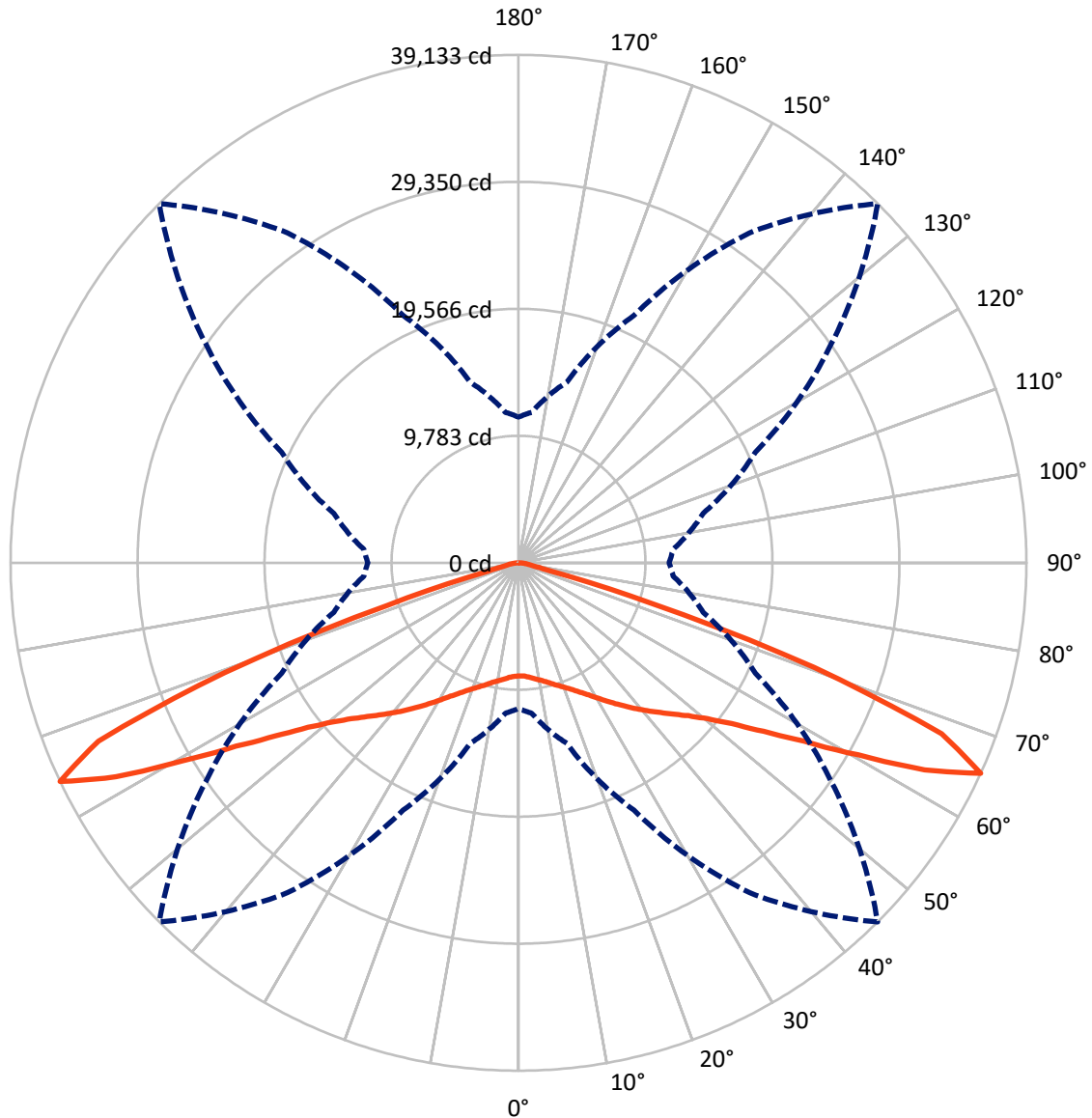
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	36109.0	0.0	36109.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36109.0	0.0	36109.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	72218.0	0.0	72218.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.6	1.2
10°-20°	2750.4	3.8
20°-30°	5160.2	7.1
30°-40°	8533.9	11.8
40°-50°	13217.9	18.3
50°-60°	20272.5	28.1
60°-70°	18916.5	26.2
70°-80°	2201.6	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°	72218.0	100.0
0°-180°	72218.0	100.0

**Coefficient of Utilization**

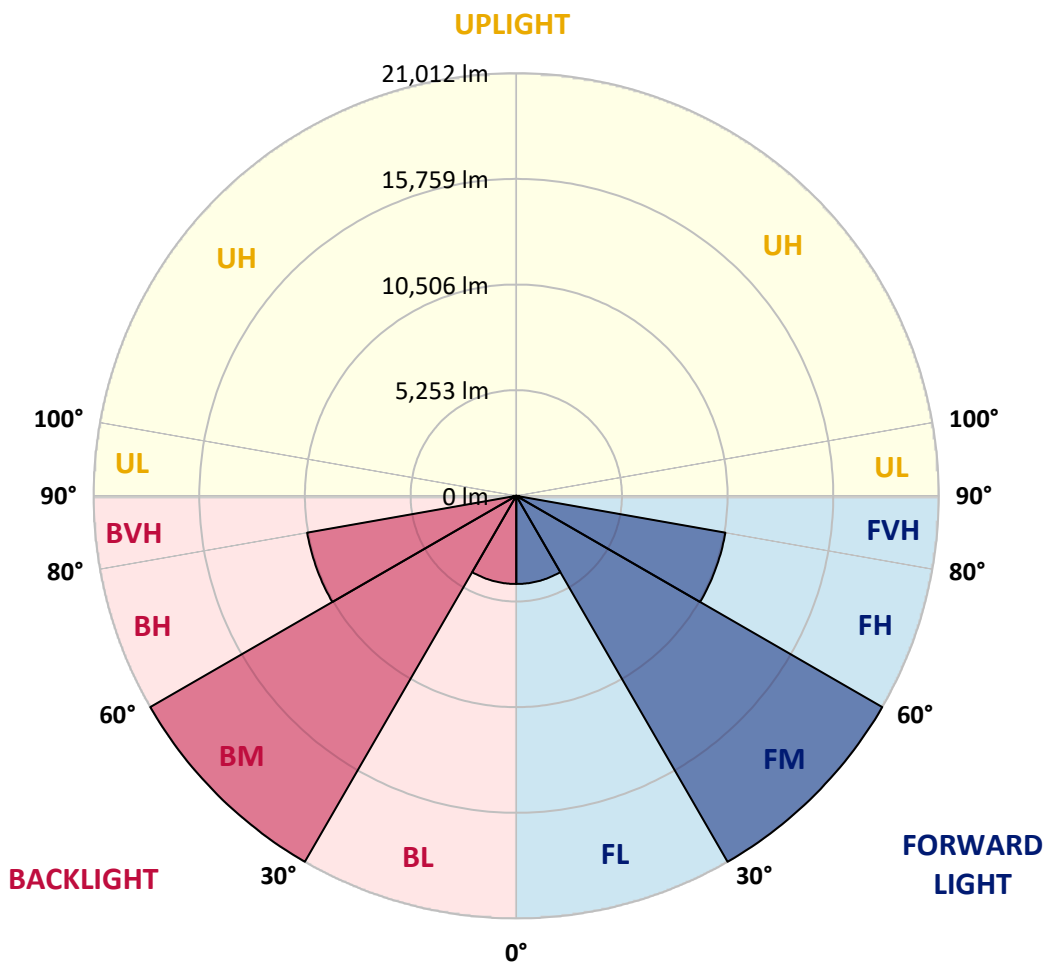


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4383.1	6.1			
FM (30°-60°)	21012.1	29.1			
FH (60°-80°)	10559.1	14.6			G4/12000
FVH (80°-90°)	154.7	0.2			G2/225
BL (0°-30°)	4383.1	6.1	B4/5000		
BM (30°-60°)	21012.1	29.1	B5		
BH (60°-80°)	10559.1	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°	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2	8721.2
2.5°	8750.0	8745.2	8750.0	8752.4	8738.0	8745.2	8742.8	8754.8	8759.6	8754.8	8754.8
5°	8850.7	8843.5	8853.1	8865.1	8845.9	8850.7	8843.5	8857.9	8862.7	8853.1	8860.3
7.5°	8989.7	8992.1	9001.7	9023.3	9011.3	9020.9	9006.5	9008.9	9006.5	8992.1	8994.5
10°	9140.8	9143.2	9159.9	9188.7	9193.5	9193.5	9183.9	9176.7	9167.1	9157.5	9159.9
12.5°	9323.0	9334.9	9346.9	9382.9	9382.9	9402.1	9397.3	9378.1	9361.3	9346.9	9346.9
15°	9569.9	9567.5	9581.9	9617.8	9634.6	9665.8	9665.8	9639.4	9617.8	9603.4	9598.6
17.5°	9828.8	9836.0	9845.6	9888.7	9915.1	9951.0	9955.8	9934.3	9919.9	9900.7	9888.7
20°	10130.8	10142.8	10181.2	10198.0	10221.9	10255.5	10267.5	10262.7	10248.3	10238.7	10241.1
22.5°	10483.2	10514.4	10538.4	10562.3	10591.1	10615.1	10627.1	10643.8	10629.5	10622.3	10617.5
25°	10909.9	10931.5	10979.5	11022.6	11041.8	11049.0	11063.4	11087.3	11084.9	11068.2	11068.2
27.5°	11394.2	11434.9	11494.9	11557.2	11557.2	11533.2	11581.2	11621.9	11607.5	11586.0	11557.2
30°	11981.5	12019.9	12089.4	12175.7	12132.5	12115.8	12180.5	12254.8	12233.2	12197.3	12192.5
32.5°	12614.4	12650.3	12741.4	12834.9	12779.8	12755.8	12825.4	12933.2	12894.9	12823.0	12779.8
35°	13300.0	13336.0	13465.4	13578.1	13484.6	13443.8	13501.4	13618.8	13551.7	13417.5	13383.9
37.5°	14045.6	14064.7	14232.5	14347.6	14282.9	14175.0	14246.9	14333.2	14275.7	14112.7	14048.0
40°	14819.9	14889.4	15083.6	15217.8	15105.1	14934.9	15054.8	15174.7	15088.4	14879.8	14769.5
42.5°	15723.6	15776.4	16035.3	16155.1	15973.0	15733.2	15896.2	16059.3	15973.0	15771.6	15675.7
45°	16663.4	16744.9	17054.1	17174.0	16910.3	16605.8	16804.8	17090.1	17082.9	16792.8	16692.1
47.5°	17687.0	17768.5	18137.7	18295.9	18010.6	17603.1	17883.6	18286.3	18257.5	17938.7	17857.2
50°	18868.8	18955.1	19415.4	19614.4	19348.3	18873.6	19295.6	19650.4	19597.6	19204.5	19211.7
52.5°	20352.8	20348.0	20920.9	21266.1	20992.8	20573.3	20961.7	21306.9	21088.7	20544.5	20527.8
55°	21652.1	21731.2	22440.8	23095.2	23078.4	22917.8	23073.6	23088.0	22464.7	21740.8	21652.1
57.5°	22505.5	22656.5	23656.2	24840.4	25727.4	25940.8	25638.7	24723.0	23263.0	22105.2	21963.7
60°	21980.5	22210.6	23780.8	26194.9	28807.9	30061.7	28357.2	25516.5	22642.1	21028.8	20837.0
62.5°	18437.3	18825.7	21124.7	25540.4	31459.3	35124.7	30327.8	24243.5	20173.0	17950.7	17622.3
65°	11228.8	11638.7	14409.9	21021.6	31030.2	39132.9	29428.8	20122.6	14724.0	11959.9	11605.1
67.5°	3742.1	3862.0	5494.5	11619.5	24387.3	35160.6	24428.1	12046.2	6407.9	4247.9	4123.3
70°	1464.7	1476.7	1742.8	3368.2	11516.4	24150.0	12707.9	3428.1	1821.9	1440.8	1471.9
72.5°	1076.4	1081.2	1155.5	1407.2	3001.4	10639.0	3109.2	1414.4	1124.3	1009.2	1009.2
75°	865.4	865.4	918.2	1026.0	1344.9	2440.4	1364.0	1014.0	879.8	805.5	795.9
77.5°	683.2	697.6	738.4	807.9	911.0	1174.7	944.5	803.1	709.6	640.1	625.7
80°	508.2	522.6	589.7	623.3	654.5	815.1	697.6	628.1	561.0	479.5	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°	218.2	222.9	287.7	299.7	275.7	242.1	299.7	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)