

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: P316492

Luminaire Tested: **GAN-SA8C-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8C-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59549 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

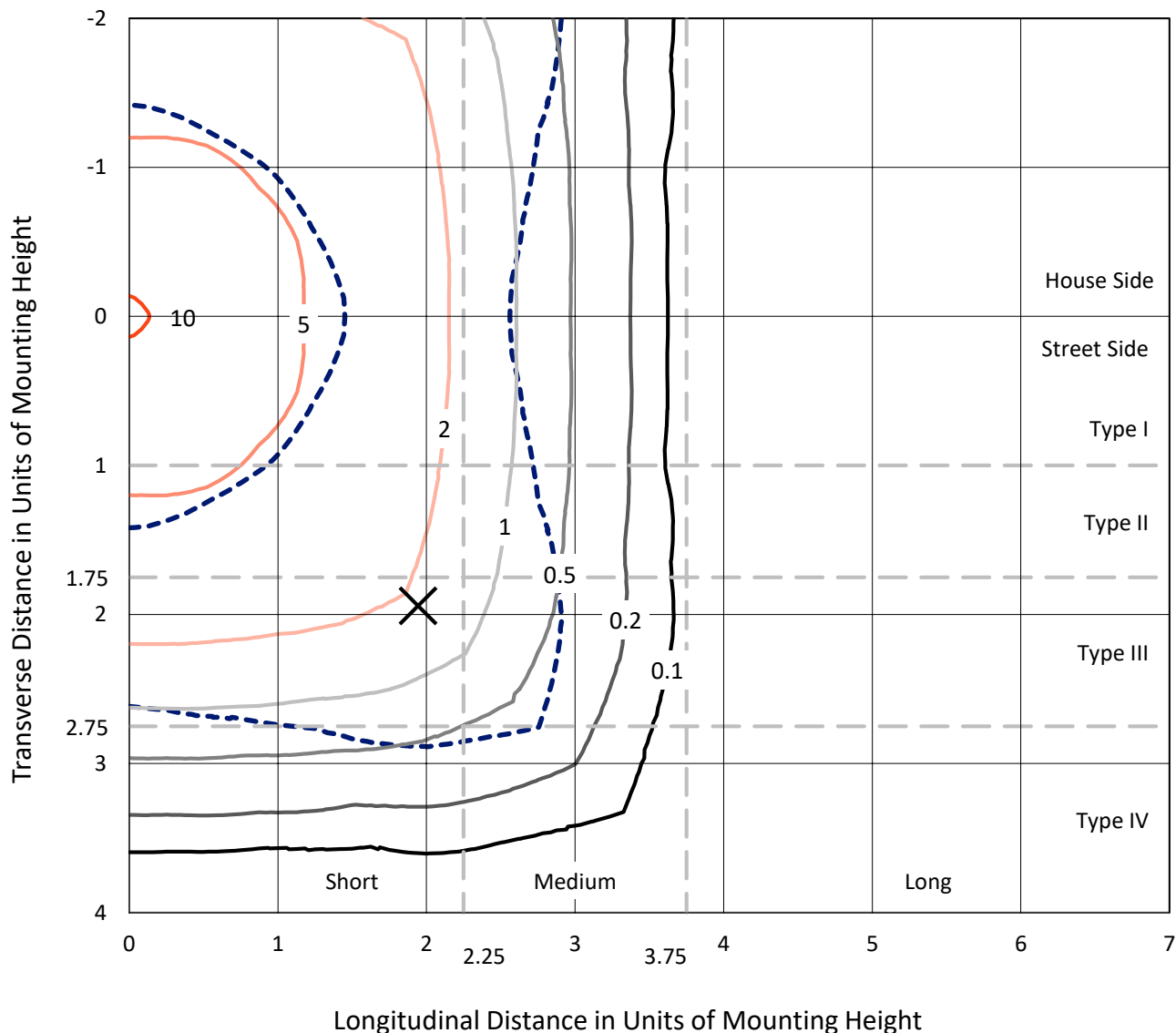
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

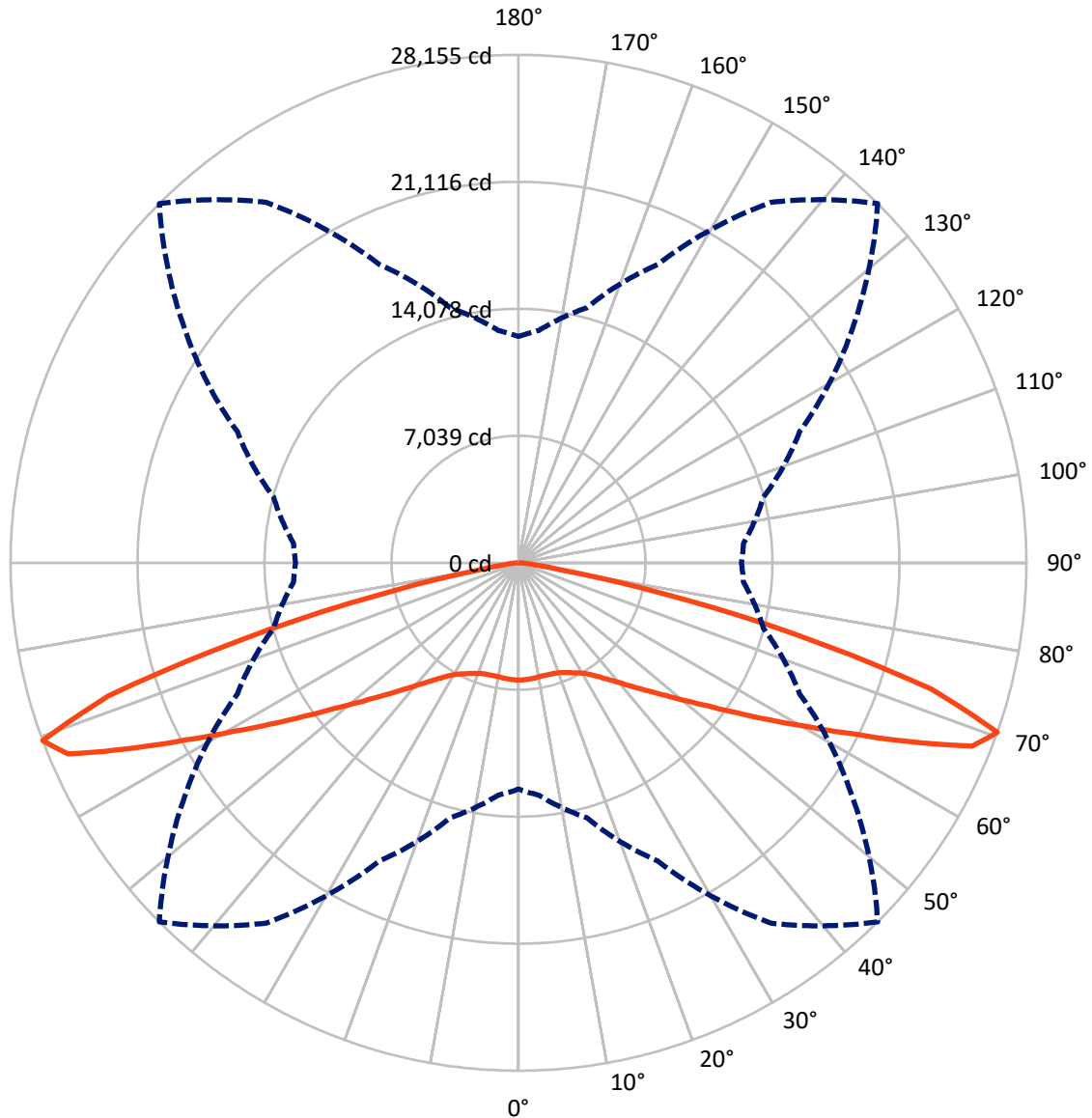
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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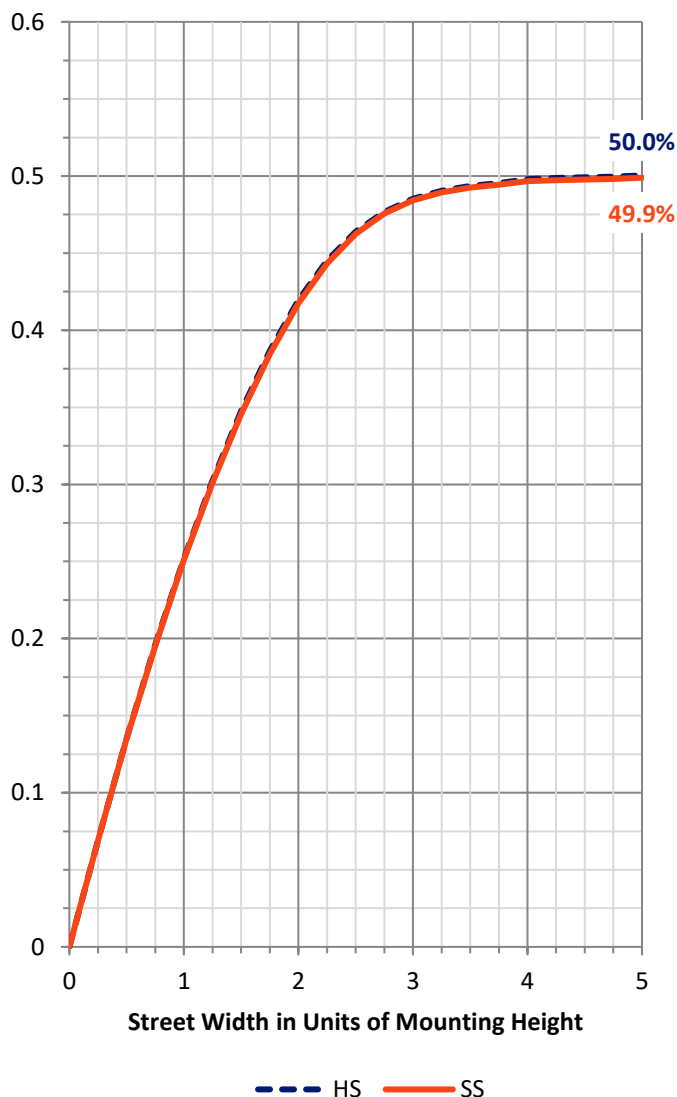
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29774.5	0.0	29774.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29774.5	0.0	29774.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59549.0	0.0	59549.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.0	1.0
10°-20°	1808.3	3.0
20°-30°	3078.3	5.2
30°-40°	4882.2	8.2
40°-50°	7944.9	13.3
50°-60°	13099.7	22.0
60°-70°	19230.7	32.3
70°-80°	8503.8	14.3
80°-90°	385.1	0.6
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°	59549.0	100.0
0°-180°	59549.0	100.0

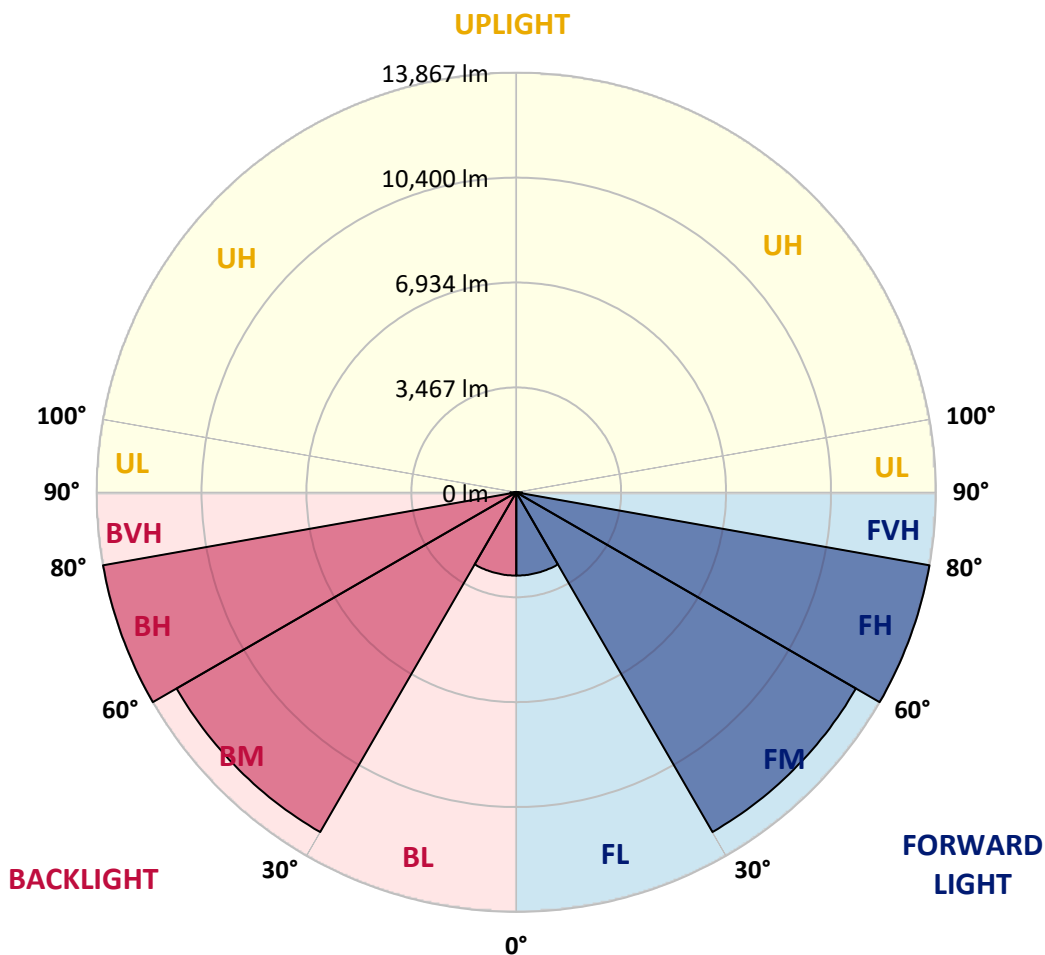


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2751.3	4.6			
FM (30°-60°)	12963.4	21.8			
FH (60°-80°)	13867.2	23.3			G5
FVH (80°-90°)	192.5	0.3			G2/225
BL (0°-30°)	2751.3	4.6	B4/5000		
BM (30°-60°)	12963.4	21.8	B5		
BH (60°-80°)	13867.2	23.3	B5		G5
BVH (80°-90°)	192.5	0.3			G2/225
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°	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7	6503.7
2.5°	6493.8	6487.9	6501.7	6499.7	6487.9	6489.9	6489.9	6495.8	6495.8	6491.9	6491.9
5°	6470.2	6466.2	6482.0	6482.0	6470.2	6474.1	6478.1	6484.0	6482.0	6478.1	6476.1
7.5°	6440.6	6438.6	6454.4	6454.4	6446.5	6450.5	6446.5	6448.5	6444.6	6440.6	6434.7
10°	6391.3	6395.3	6409.1	6413.0	6413.0	6415.0	6411.0	6401.2	6395.3	6389.4	6383.5
12.5°	6346.0	6344.0	6363.7	6373.6	6389.4	6407.1	6395.3	6367.7	6355.9	6344.0	6340.1
15°	6316.5	6318.4	6338.1	6355.9	6383.5	6420.9	6407.1	6363.7	6340.1	6326.3	6322.4
17.5°	6310.5	6314.5	6340.1	6371.6	6401.2	6442.6	6434.7	6391.3	6351.9	6326.3	6320.4
20°	6324.3	6326.3	6365.7	6411.0	6462.3	6501.7	6484.0	6436.7	6383.5	6344.0	6334.2
22.5°	6350.0	6357.8	6407.1	6478.1	6556.9	6610.1	6588.4	6507.6	6424.8	6375.6	6361.8
25°	6430.8	6432.7	6499.7	6596.3	6690.9	6752.0	6726.4	6612.1	6505.6	6450.5	6432.7
27.5°	6598.3	6604.2	6671.2	6783.5	6864.3	6903.8	6888.0	6795.4	6704.7	6645.6	6651.5
30°	6840.7	6848.6	6923.5	7047.6	7096.9	7106.7	7102.8	7059.4	6976.7	6897.8	6903.8
32.5°	7136.3	7140.2	7240.8	7353.1	7392.5	7400.4	7392.5	7353.1	7254.6	7148.1	7154.0
35°	7516.7	7528.5	7625.1	7733.5	7765.0	7780.8	7767.0	7715.7	7613.2	7508.8	7504.8
37.5°	7985.7	7987.7	8088.2	8200.5	8240.0	8243.9	8228.1	8194.6	8066.5	7971.9	7966.0
40°	8529.7	8537.6	8655.8	8776.0	8791.8	8774.1	8795.7	8776.0	8644.0	8535.6	8553.3
42.5°	9191.9	9209.6	9351.5	9469.7	9424.4	9414.6	9428.4	9434.3	9327.9	9195.8	9184.0
45°	9962.5	9978.2	10155.6	10250.2	10220.6	10155.6	10183.2	10230.5	10082.7	9919.1	9934.9
47.5°	10841.4	10880.8	11070.0	11158.7	11085.8	10997.1	11050.3	11121.3	10947.9	10744.9	10735.0
50°	11819.0	11868.2	12120.5	12244.7	12171.7	12008.2	12096.8	12144.1	11893.8	11631.7	11610.0
52.5°	12861.5	12910.8	13228.1	13484.3	13437.0	13182.8	13306.9	13257.6	12969.9	12617.1	12589.5
55°	14042.0	14061.7	14404.7	14818.5	14865.8	14678.6	14670.7	14589.9	14164.2	13756.3	13736.6
57.5°	15256.1	15269.8	15713.3	16202.0	16424.7	16424.7	16204.0	16032.6	15466.9	14993.9	14944.7
60°	16566.6	16615.9	17106.6	17770.8	18291.1	18444.8	18054.6	17587.5	16972.6	16395.2	16338.0
62.5°	17733.4	17790.5	18541.4	19530.7	20366.4	20926.1	19972.2	19211.5	18092.0	17165.8	17057.4
65°	17881.2	18034.9	19128.7	20920.2	22790.5	23907.9	22079.0	20204.8	18165.0	16878.0	16767.7
67.5°	16330.1	16590.3	18068.4	20857.1	24721.9	27120.3	23425.1	19637.2	16856.3	15433.4	15311.2
70°	12548.2	12926.6	14631.3	18243.8	24388.8	28155.0	22581.6	17191.4	14053.9	12522.5	12351.1
72.5°	6884.0	7039.7	8573.0	12493.0	19552.4	23925.6	18835.0	12711.7	9320.0	7583.7	7295.9
75°	2183.7	2238.8	3019.3	5112.3	11060.2	15847.3	11964.8	6239.6	3435.1	2532.5	2502.9
77.5°	969.6	975.6	1091.8	1491.9	3809.6	8029.1	4576.2	1698.8	1170.7	1022.9	1056.4
80°	612.9	612.9	676.0	739.1	1036.6	2331.5	1237.7	808.0	689.8	640.5	654.3
82.5°	293.7	325.2	439.5	473.0	569.6	784.4	634.6	528.2	461.2	342.9	319.3
85°	193.1	161.6	277.9	313.4	331.1	376.4	368.5	348.8	301.5	171.5	191.2
87.5°	86.7	82.8	143.9	132.0	124.2	94.6	141.9	175.4	169.5	84.7	84.7
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)