

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: P316484

Luminaire Tested: **GAN-SA0B-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316484  
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-SA0B-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59421 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

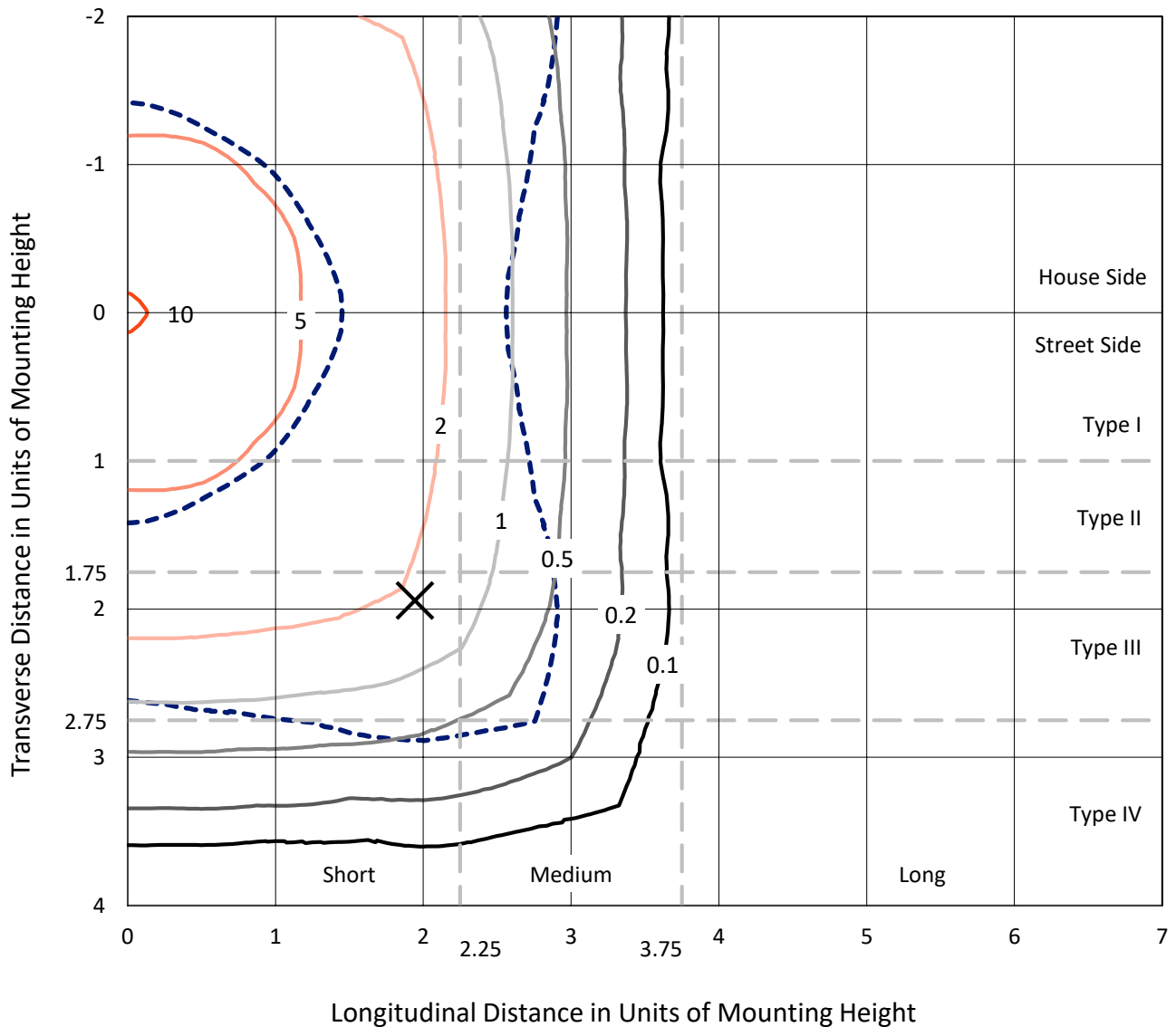
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

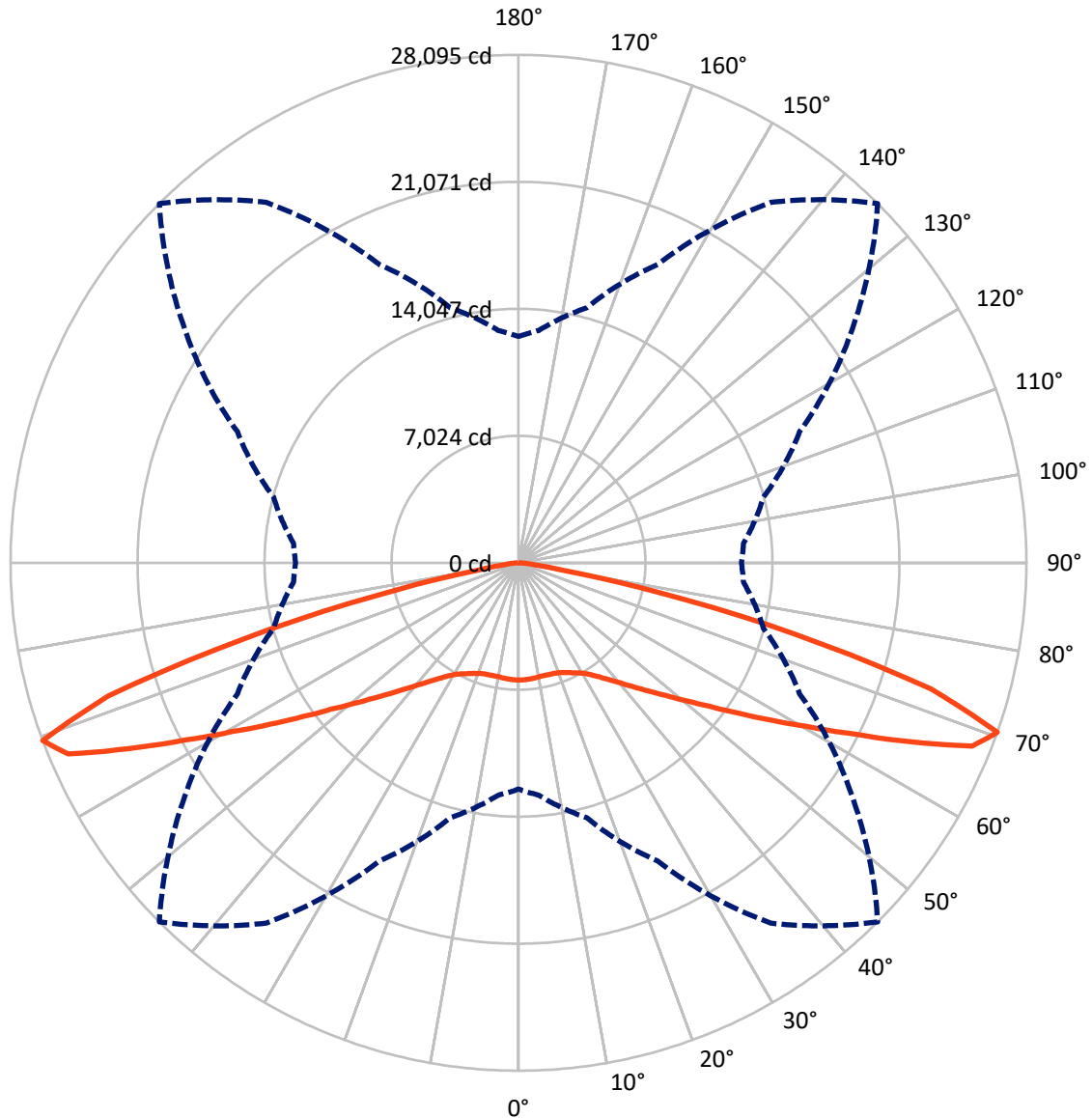
✕ Max cd  
 - - - 1/2 Max cd



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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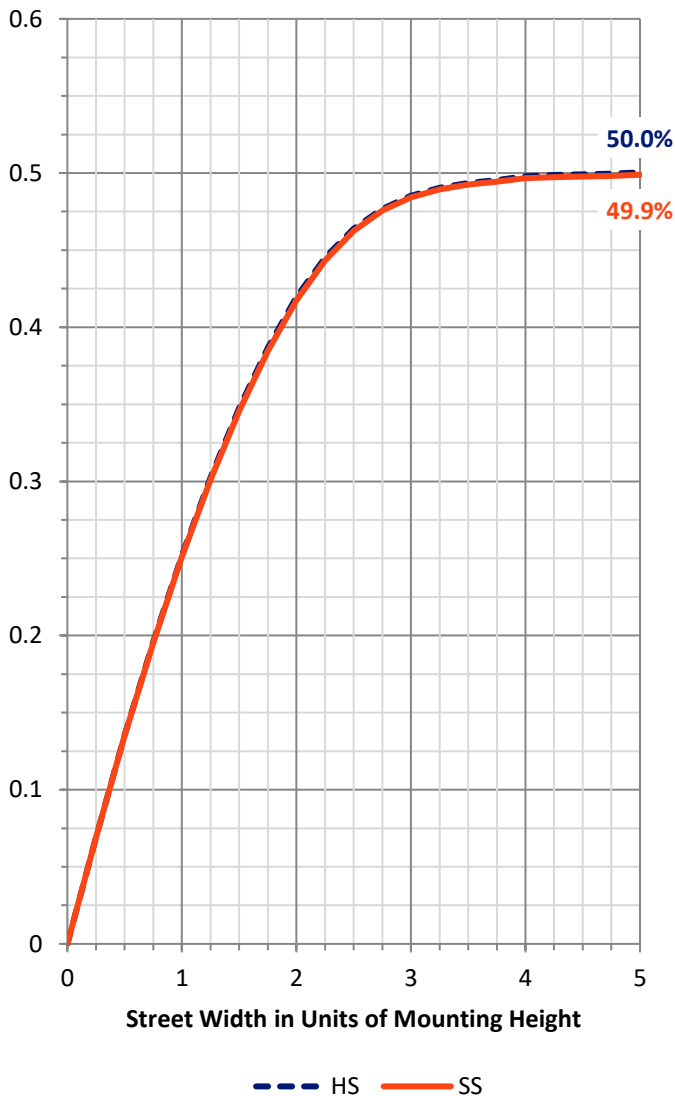
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29710.5	0.0	29710.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29710.5	0.0	29710.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59421.0	0.0	59421.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	614.6	1.0
10°-20°	1804.4	3.0
20°-30°	3071.7	5.2
30°-40°	4871.7	8.2
40°-50°	7927.8	13.3
50°-60°	13071.5	22.0
60°-70°	19189.4	32.3
70°-80°	8485.5	14.3
80°-90°	384.3	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°	59421.0	100.0
0°-180°	59421.0	100.0

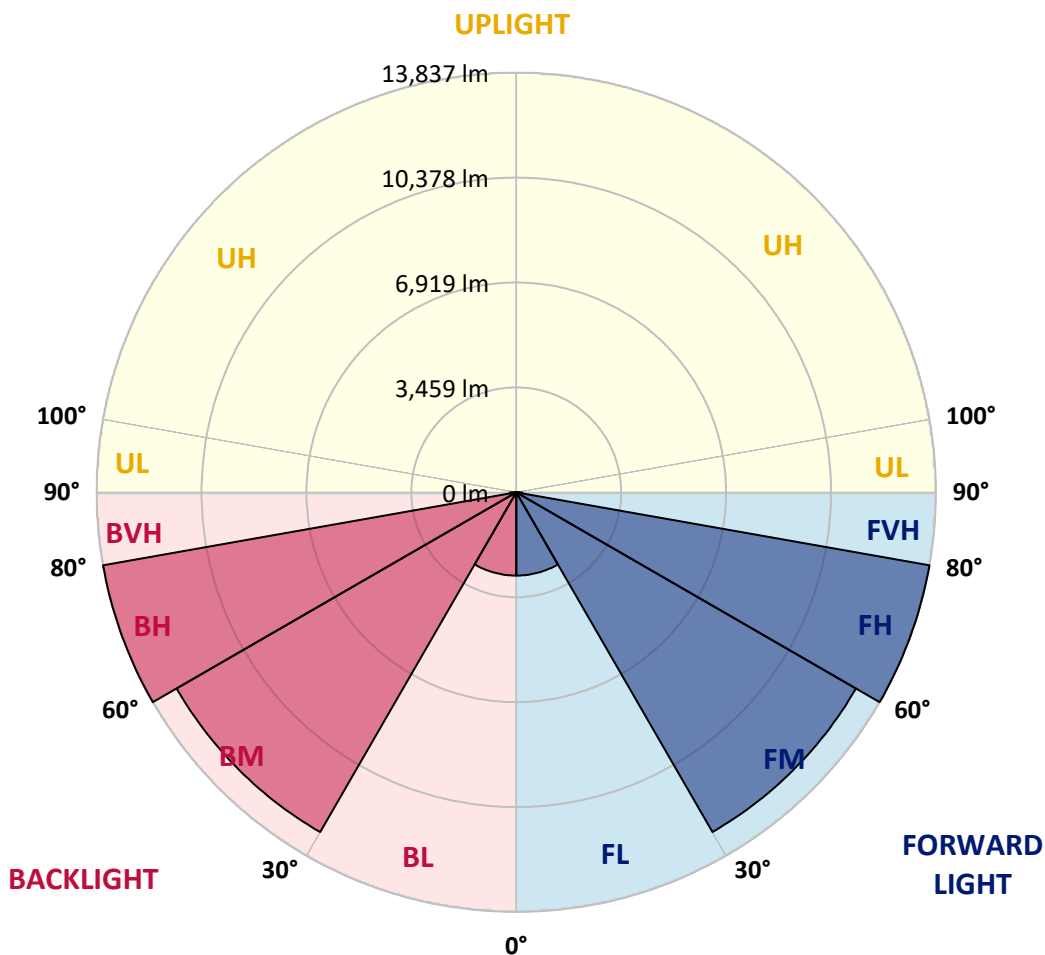


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2745.4	4.6			
FM (30°-60°)	12935.5	21.8			
FH (60°-80°)	13837.4	23.3			G5
FVH (80°-90°)	192.1	0.3			G2/225
BL (0°-30°)	2745.4	4.6	B4/5000		
BM (30°-60°)	12935.5	21.8	B5		
BH (60°-80°)	13837.4	23.3	B5		G5
BVH (80°-90°)	192.1	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°	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7	6489.7
2.5°	6479.9	6474.0	6487.7	6485.8	6474.0	6475.9	6475.9	6481.8	6481.8	6477.9	6477.9
5°	6456.3	6452.3	6468.1	6468.1	6456.3	6460.2	6464.1	6470.0	6468.1	6464.1	6462.2
7.5°	6426.8	6424.8	6440.5	6440.5	6432.7	6436.6	6432.7	6434.6	6430.7	6426.8	6420.9
10°	6377.6	6381.5	6395.3	6399.2	6399.2	6401.2	6397.3	6387.4	6381.5	6375.6	6369.7
12.5°	6332.4	6330.4	6350.1	6359.9	6375.6	6393.3	6381.5	6354.0	6342.2	6330.4	6326.5
15°	6302.9	6304.8	6324.5	6342.2	6369.7	6407.1	6393.3	6350.1	6326.5	6312.7	6308.8
17.5°	6297.0	6300.9	6326.5	6357.9	6387.4	6428.7	6420.9	6377.6	6338.3	6312.7	6306.8
20°	6310.7	6312.7	6352.0	6397.3	6448.4	6487.7	6470.0	6422.8	6369.7	6330.4	6320.6
22.5°	6336.3	6344.2	6393.3	6464.1	6542.8	6595.9	6574.3	6493.6	6411.0	6361.9	6348.1
25°	6416.9	6418.9	6485.8	6582.1	6676.5	6737.5	6711.9	6597.9	6491.7	6436.6	6418.9
27.5°	6584.1	6590.0	6656.9	6769.0	6849.6	6888.9	6873.2	6780.8	6690.3	6631.3	6637.2
30°	6826.0	6833.8	6908.6	7032.5	7081.6	7091.5	7087.5	7044.3	6961.7	6883.0	6888.9
32.5°	7121.0	7124.9	7225.2	7337.3	7376.6	7384.5	7376.6	7337.3	7239.0	7132.8	7138.7
35°	7500.5	7512.3	7608.7	7716.8	7748.3	7764.0	7750.3	7699.1	7596.9	7492.7	7488.7
37.5°	7968.6	7970.5	8070.8	8182.9	8222.3	8226.2	8210.5	8177.0	8049.2	7954.8	7948.9
40°	8511.3	8519.2	8637.2	8757.2	8772.9	8755.2	8776.8	8757.2	8625.4	8517.2	8534.9
42.5°	9172.1	9189.8	9331.4	9449.4	9404.2	9394.3	9408.1	9414.0	9307.8	9176.0	9164.2
45°	9941.0	9956.8	10133.8	10228.2	10198.7	10133.8	10161.3	10208.5	10061.0	9897.8	9913.5
47.5°	10818.1	10857.5	11046.3	11134.7	11062.0	10973.5	11026.6	11097.4	10924.3	10721.8	10711.9
50°	11793.6	11842.7	12094.4	12218.3	12145.6	11982.3	12070.8	12118.0	11868.3	11606.7	11585.1
52.5°	12833.9	12883.0	13199.7	13455.3	13408.1	13154.4	13278.3	13229.2	12942.0	12590.0	12562.5
55°	14011.8	14031.5	14373.7	14786.7	14833.9	14647.1	14639.2	14558.6	14133.8	13726.7	13707.0
57.5°	15223.3	15237.0	15679.5	16167.2	16389.4	16389.4	16169.2	15998.1	15433.7	14961.7	14912.5
60°	16531.0	16580.2	17069.9	17732.6	18251.8	18405.2	18015.8	17549.7	16936.1	16359.9	16302.9
62.5°	17695.2	17752.3	18501.5	19488.8	20322.6	20881.1	19929.3	19170.2	18053.2	17128.9	17020.7
65°	17842.7	17996.1	19087.6	20875.2	22741.5	23856.5	22031.5	20161.3	18125.9	16841.7	16731.6
67.5°	16295.0	16554.6	18029.6	20812.3	24668.7	27062.0	23374.7	19595.0	16820.1	15400.2	15278.3
70°	12521.2	12898.8	14599.9	18204.6	24336.4	28094.5	22533.0	17154.4	14023.6	12495.6	12324.5
72.5°	6869.2	7024.6	8554.6	12466.1	19510.4	23874.2	18794.6	12684.4	9299.9	7567.4	7280.3
75°	2179.0	2234.0	3012.8	5101.3	11036.4	15813.2	11939.1	6226.2	3427.7	2527.0	2497.6
77.5°	967.6	973.5	1089.5	1488.7	3801.4	8011.8	4566.4	1695.2	1168.1	1020.7	1054.1
80°	611.6	611.6	674.5	737.5	1034.4	2326.5	1235.0	806.3	688.3	639.1	652.9
82.5°	293.0	324.5	438.5	472.0	568.3	782.7	633.2	527.0	460.2	342.2	318.6
85°	192.7	161.3	277.3	312.7	330.4	375.6	367.7	348.1	300.9	171.1	190.8
87.5°	86.5	82.6	143.6	131.8	123.9	94.4	141.6	175.0	169.1	84.6	84.6
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)