

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: P316801

Luminaire Tested: **GAN-SA7B-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316801  
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-SA7B-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41694 lumens  
Efficiency: N/A  
Efficacy: 141.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

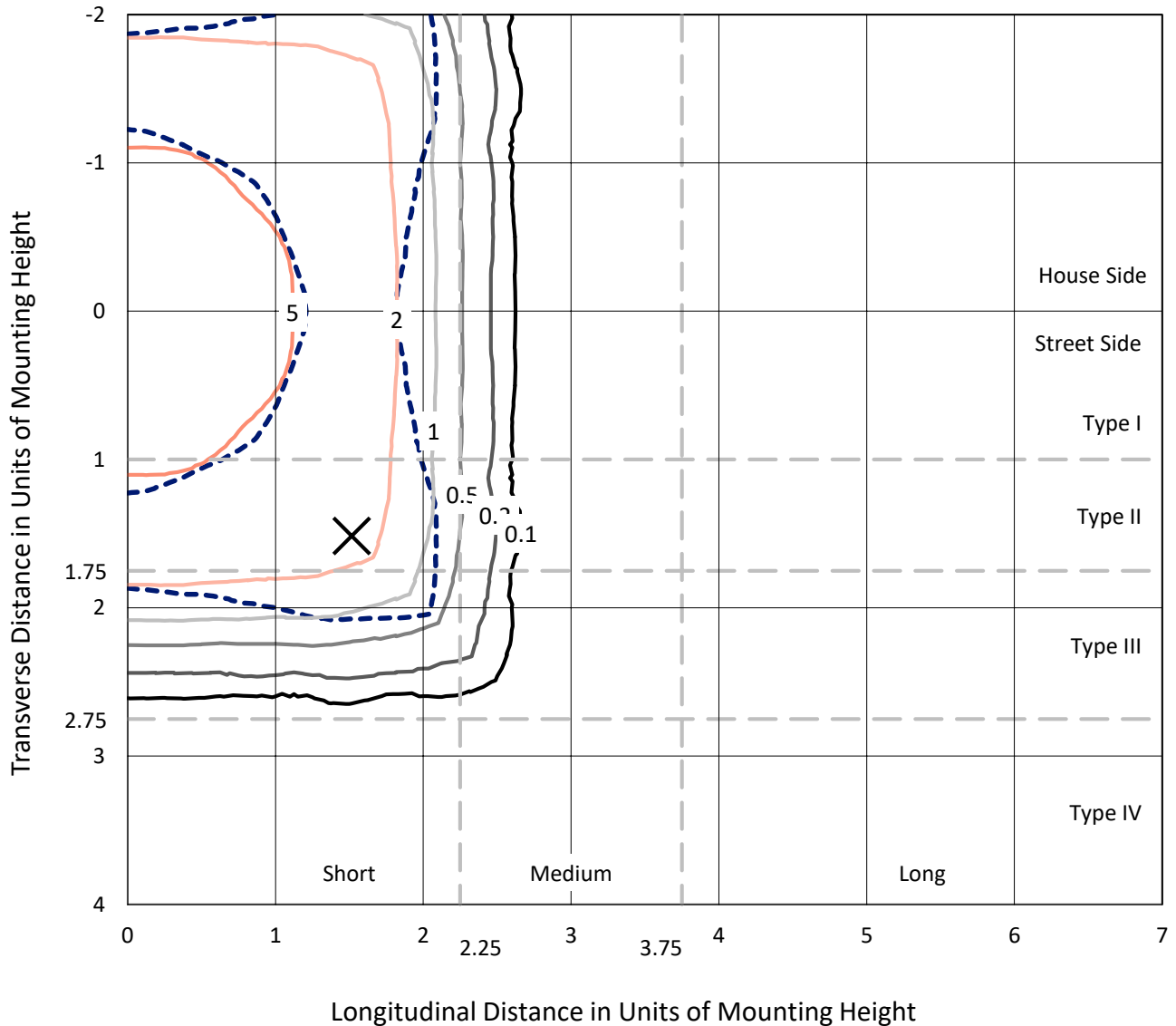
Input Watts (W): 295  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

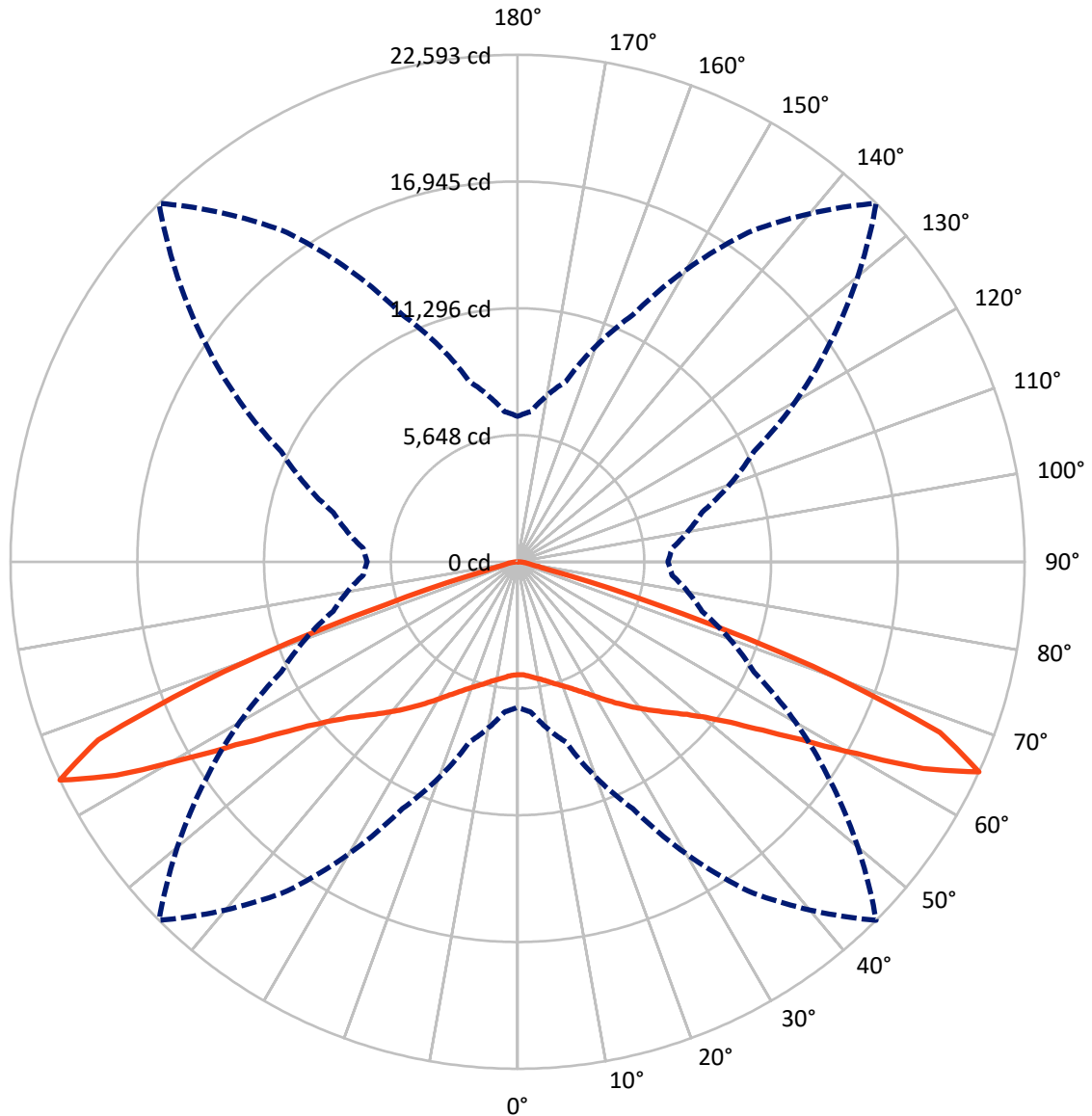
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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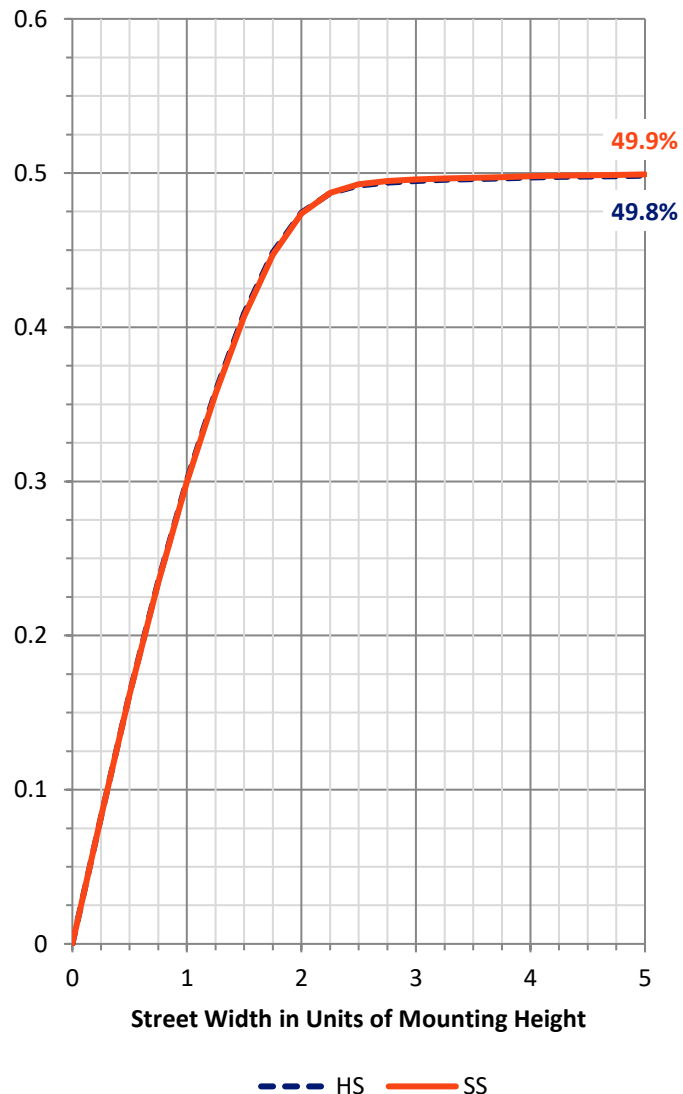
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20847.0	0.0	20847.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20847.0	0.0	20847.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41694.0	0.0	41694.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	494.0	1.2
10°-20°	1587.9	3.8
20°-30°	2979.2	7.1
30°-40°	4926.9	11.8
40°-50°	7631.1	18.3
50°-60°	11704.0	28.1
60°-70°	10921.2	26.2
70°-80°	1271.1	3.0
80°-90°	178.6	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°	41694.0	100.0
0°-180°	41694.0	100.0

**Coefficient of Utilization**

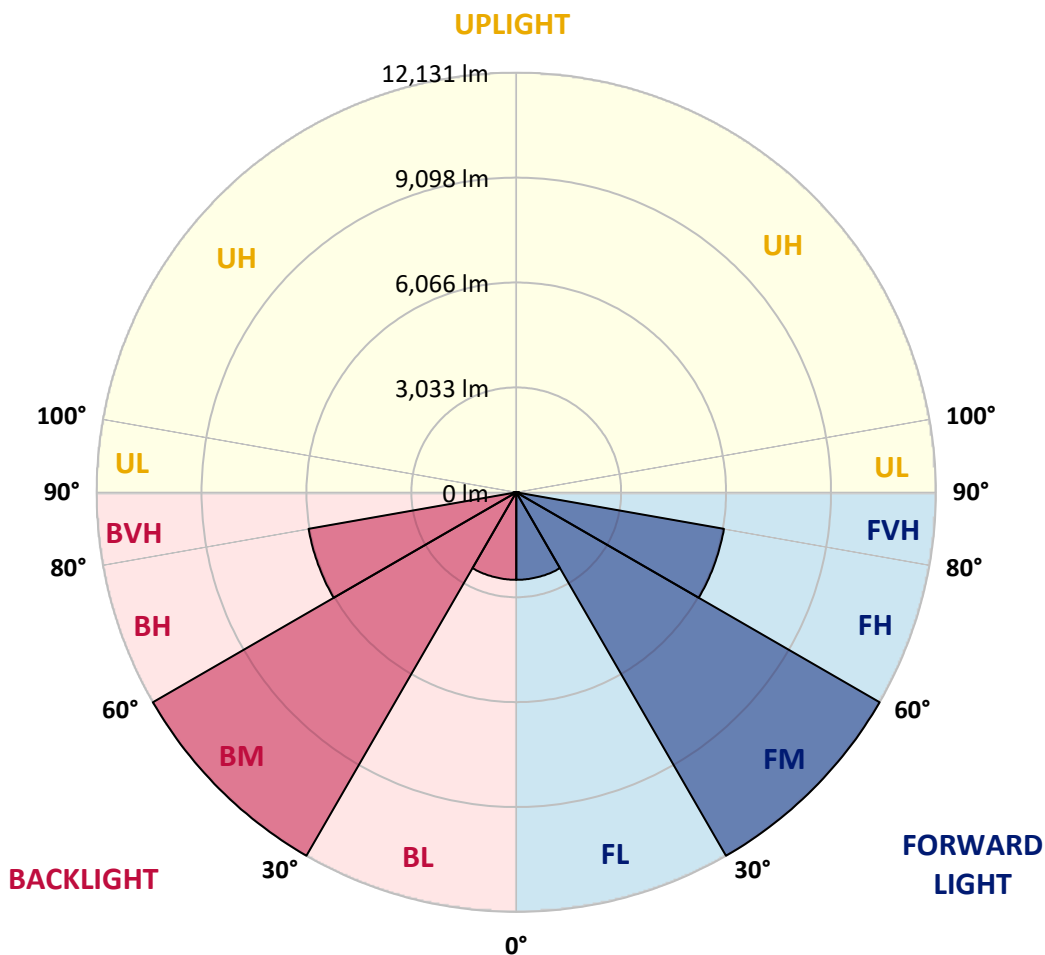


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.5	6.1			
FM (30°-60°)	12131.1	29.1			
FH (60°-80°)	6096.1	14.6			G3/7500
FVH (80°-90°)	89.3	0.2			G1/100
BL (0°-30°)	2530.5	6.1	B4/5000		
BM (30°-60°)	12131.1	29.1	B5		
BH (60°-80°)	6096.1	14.6	B5		G3/7500
BVH (80°-90°)	89.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1	5035.1
2.5°	5051.7	5048.9	5051.7	5053.1	5044.8	5048.9	5047.5	5054.5	5057.2	5054.5	5054.5
5°	5109.8	5105.7	5111.2	5118.1	5107.0	5109.8	5105.7	5114.0	5116.7	5111.2	5115.4
7.5°	5190.1	5191.5	5197.0	5209.5	5202.5	5208.1	5199.8	5201.2	5199.8	5191.5	5192.9
10°	5277.3	5278.7	5288.4	5305.0	5307.7	5307.7	5302.2	5298.0	5292.5	5287.0	5288.4
12.5°	5382.5	5389.4	5396.3	5417.1	5417.1	5428.1	5425.4	5414.3	5404.6	5396.3	5396.3
15°	5525.0	5523.6	5531.9	5552.7	5562.4	5580.4	5580.4	5565.2	5552.7	5544.4	5541.6
17.5°	5674.5	5678.6	5684.2	5709.1	5724.3	5745.1	5747.9	5735.4	5727.1	5716.0	5709.1
20°	5848.9	5855.8	5877.9	5887.6	5901.5	5920.9	5927.8	5925.0	5916.7	5911.2	5912.5
22.5°	6052.3	6070.3	6084.2	6098.0	6114.6	6128.5	6135.4	6145.1	6136.8	6132.6	6129.8
25°	6298.7	6311.1	6338.8	6363.7	6374.8	6379.0	6387.3	6401.1	6399.7	6390.0	6390.0
27.5°	6578.3	6601.8	6636.4	6672.4	6672.4	6658.5	6686.2	6709.7	6701.4	6689.0	6672.4
30°	6917.4	6939.5	6979.6	7029.5	7004.5	6994.9	7032.2	7075.1	7062.7	7041.9	7039.1
32.5°	7282.7	7303.5	7356.1	7410.1	7378.2	7364.4	7404.5	7466.8	7444.7	7403.1	7378.2
35°	7678.6	7699.3	7774.1	7839.1	7785.1	7761.6	7794.8	7862.6	7823.9	7746.4	7727.0
37.5°	8109.0	8120.1	8216.9	8283.4	8246.0	8183.7	8225.3	8275.1	8241.9	8147.7	8110.4
40°	8556.0	8596.2	8708.3	8785.8	8720.7	8622.5	8691.7	8760.9	8711.0	8590.6	8527.0
42.5°	9077.8	9108.3	9257.7	9326.9	9221.8	9083.3	9177.5	9271.6	9221.8	9105.5	9050.1
45°	9620.3	9667.4	9845.9	9915.1	9762.9	9587.1	9702.0	9866.7	9862.6	9695.1	9637.0
47.5°	10211.3	10258.4	10471.5	10562.9	10398.2	10162.9	10324.8	10557.3	10540.7	10356.6	10309.6
50°	10893.7	10943.5	11209.2	11324.1	11170.5	10896.4	11140.0	11344.8	11314.4	11087.4	11091.6
52.5°	11750.4	11747.6	12078.4	12277.7	12119.9	11877.7	12101.9	12301.2	12175.3	11861.1	11851.4
55°	12500.5	12546.2	12955.8	13333.7	13324.0	13231.3	13321.2	13329.5	12969.7	12551.7	12500.5
57.5°	12993.2	13080.4	13657.5	14341.3	14853.3	14976.5	14802.1	14273.4	13430.6	12762.1	12680.4
60°	12690.1	12823.0	13729.5	15123.2	16631.8	17355.7	16371.6	14731.5	13072.1	12140.7	12029.9
62.5°	10644.5	10868.7	12196.0	14745.4	18162.5	20278.7	17509.3	13996.6	11646.6	10363.6	10174.0
65°	6482.8	6719.4	8319.4	12136.5	17914.8	22592.8	16990.3	11617.5	8500.7	6904.9	6700.1
67.5°	2160.5	2229.7	3172.2	6708.4	14079.7	20299.5	14103.2	6954.7	3699.5	2452.5	2380.5
70°	845.6	852.6	1006.2	1944.6	6648.9	13942.7	7336.7	1979.2	1051.9	831.8	849.8
72.5°	621.4	624.2	667.1	812.4	1732.8	6142.3	1795.1	816.6	649.1	582.7	582.7
75°	499.6	499.6	530.1	592.4	776.4	1408.9	787.5	585.4	507.9	465.0	459.5
77.5°	394.4	402.8	426.3	466.4	525.9	678.2	545.3	463.6	409.7	369.5	361.2
80°	293.4	301.7	340.5	359.8	377.8	470.6	402.8	362.6	323.9	276.8	268.5
82.5°	192.4	200.7	249.1	260.2	256.0	307.3	271.3	267.1	238.1	178.5	170.2
85°	125.9	128.7	166.1	173.0	159.2	139.8	173.0	182.7	166.1	116.3	112.1
87.5°	59.5	59.5	84.4	78.9	72.0	58.1	78.9	92.7	94.1	56.7	55.4
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)