

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: P316123

Luminaire Tested: **GAN-SA9B-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316123  
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-SA9B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49006 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

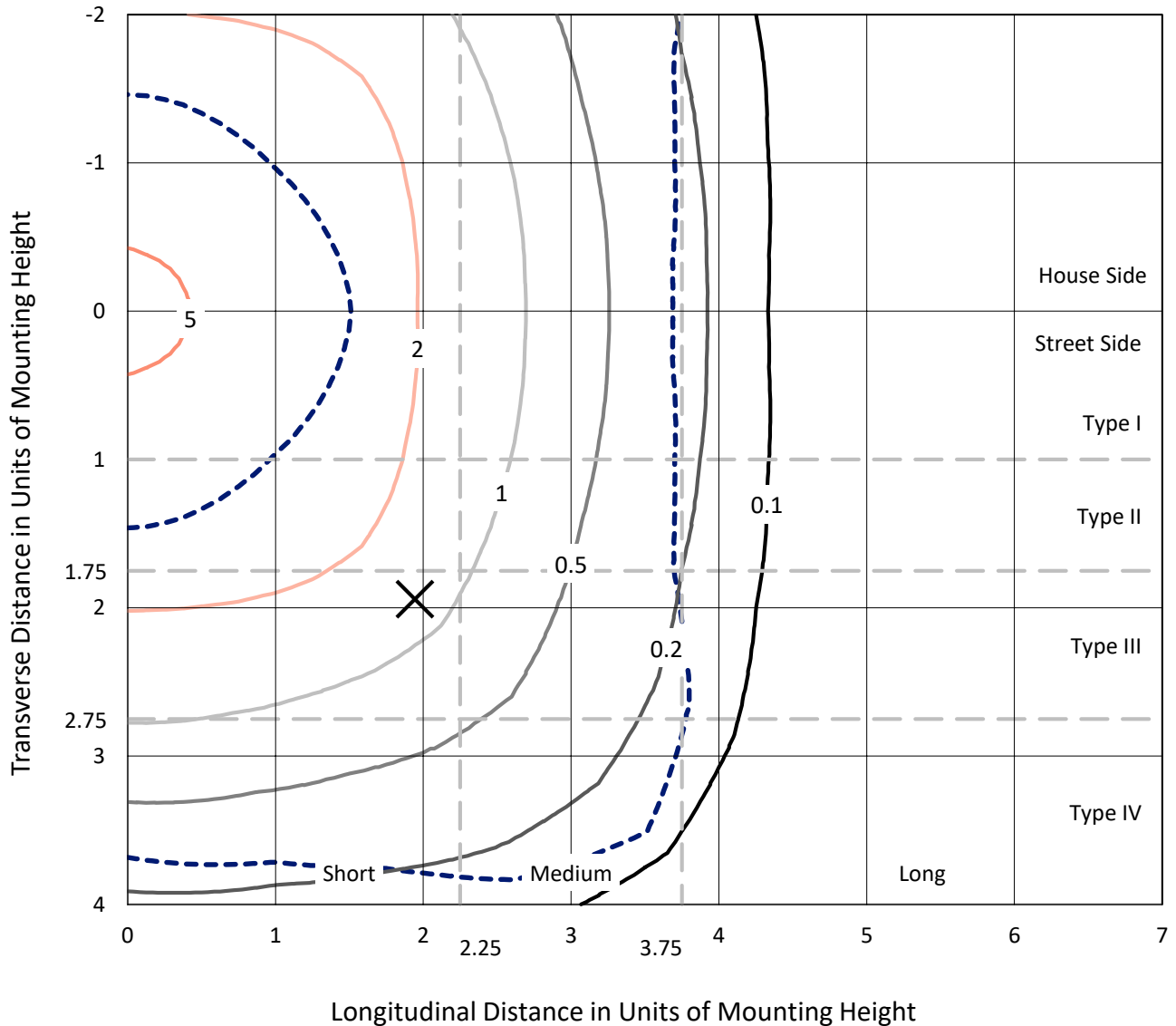
Input Watts (W): 374  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

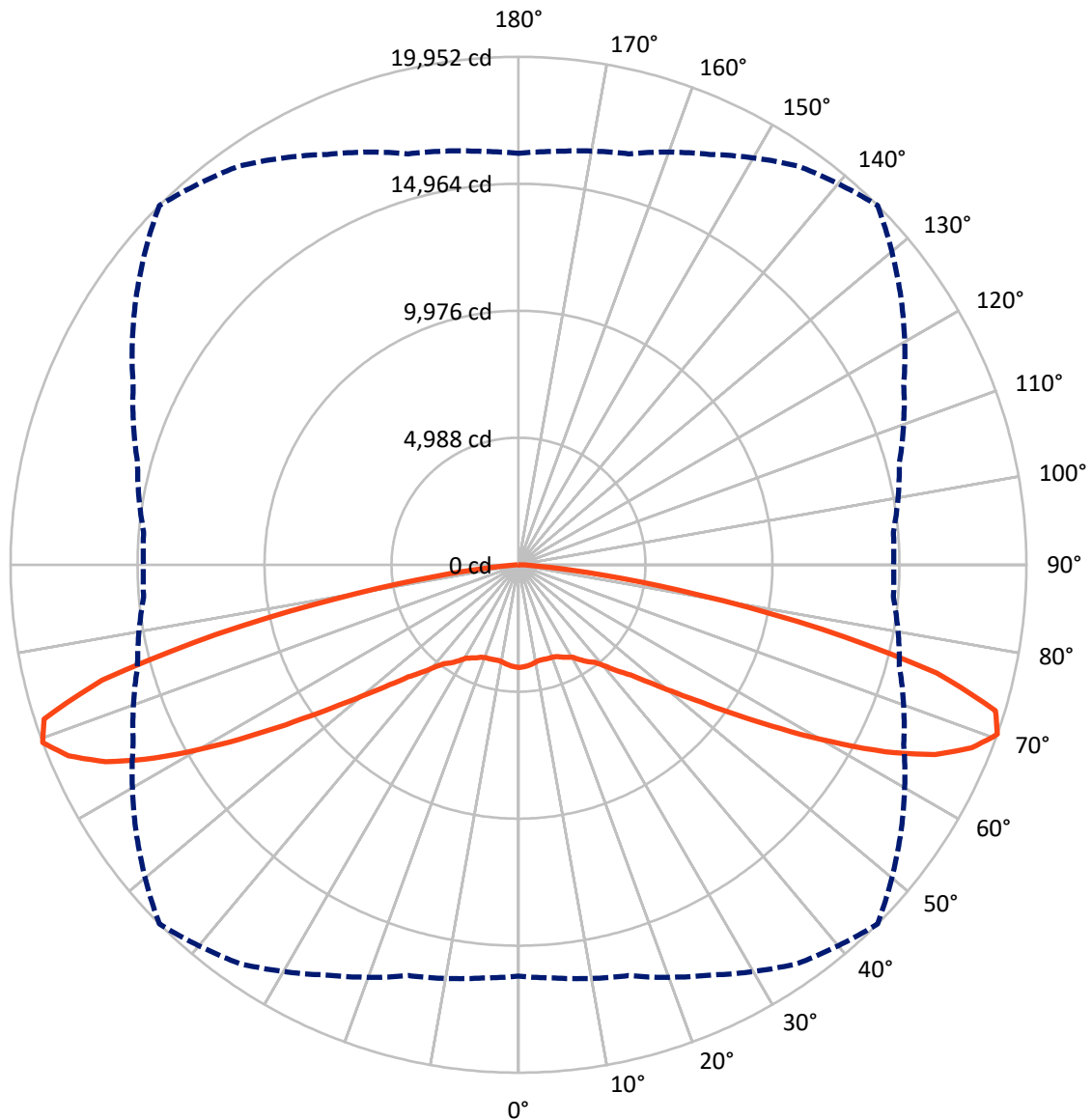
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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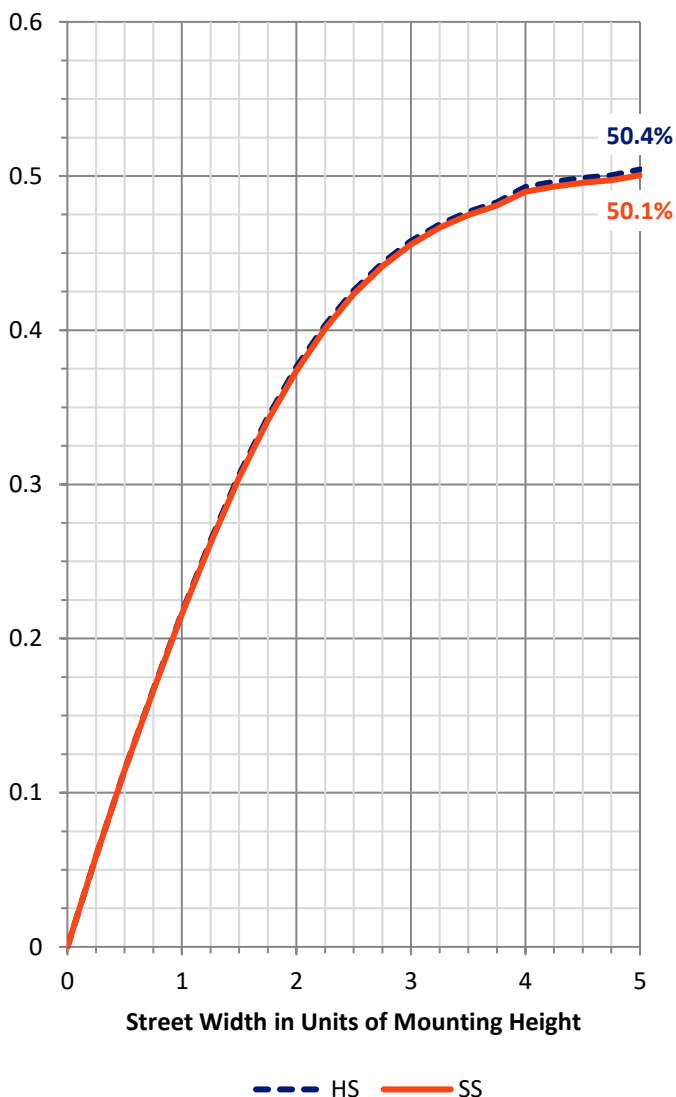
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24503.0	0.0	24503.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24503.0	0.0	24503.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49006.0	0.0	49006.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.4	0.8
10°-20°	1099.6	2.2
20°-30°	1874.7	3.8
30°-40°	2929.3	6.0
40°-50°	4964.5	10.1
50°-60°	9053.2	18.5
60°-70°	15585.7	31.8
70°-80°	12216.6	24.9
80°-90°	905.8	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°	49006.0	100.0
0°-180°	49006.0	100.0

**Coefficient of Utilization**

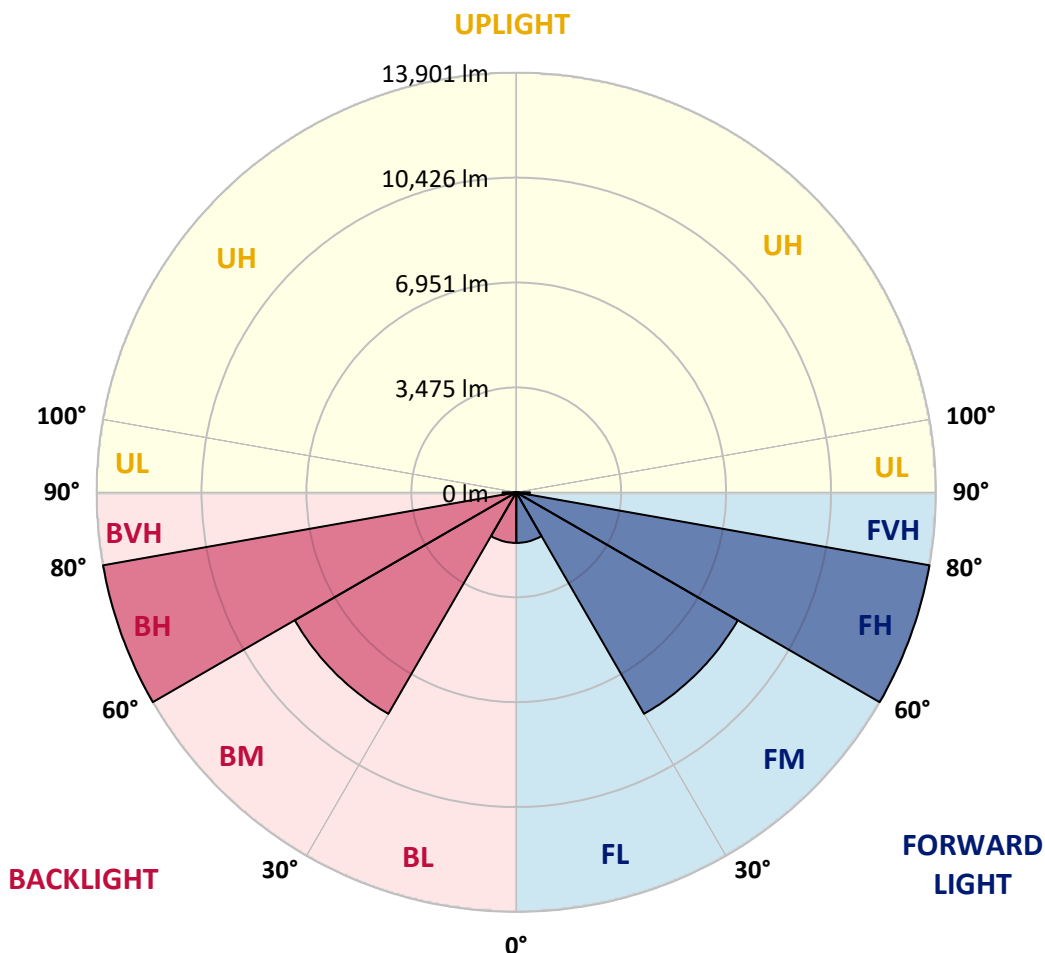


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1675.4	3.4			
FM (30°-60°)	8473.5	17.3			
FH (60°-80°)	13901.2	28.4			G5
FVH (80°-90°)	452.9	0.9			G3/500
BL (0°-30°)	1675.4	3.4	B3/2500		
BM (30°-60°)	8473.5	17.3	B4/8500		
BH (60°-80°)	13901.2	28.4	B5		G5
BVH (80°-90°)	452.9	0.9			G3/500
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°	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2	4033.2
2.5°	4015.4	4020.2	4015.4	4018.6	4010.5	4013.7	4013.7	4013.7	4012.1	4013.7	4010.5
5°	3979.7	3982.9	3976.5	3979.7	3974.8	3979.7	3981.3	3979.7	3976.5	3978.1	3971.6
7.5°	3926.2	3929.5	3924.6	3929.5	3923.0	3931.1	3929.5	3924.6	3919.7	3919.7	3913.2
10°	3897.0	3898.7	3885.7	3880.8	3866.2	3869.5	3874.3	3879.2	3884.1	3893.8	3892.2
12.5°	3898.7	3898.7	3879.2	3858.1	3837.1	3841.9	3850.0	3867.9	3887.3	3905.1	3906.8
15°	3914.9	3913.2	3884.1	3850.0	3835.4	3850.0	3854.9	3866.2	3897.0	3927.8	3929.5
17.5°	3926.2	3926.2	3880.8	3841.9	3840.3	3863.0	3861.4	3866.2	3900.3	3945.7	3947.3
20°	3947.3	3947.3	3888.9	3846.8	3846.8	3871.1	3872.7	3880.8	3914.9	3965.1	3973.2
22.5°	3994.3	3995.9	3934.3	3900.3	3903.5	3918.1	3923.0	3935.9	3966.7	4021.9	4031.6
25°	4060.8	4064.0	4000.8	3981.3	3992.7	4020.2	4017.0	4026.7	4060.8	4114.3	4124.0
27.5°	4153.2	4145.1	4086.7	4078.6	4089.9	4109.4	4107.8	4109.4	4136.9	4185.6	4196.9
30°	4273.1	4269.9	4227.7	4232.6	4227.7	4221.2	4222.9	4235.8	4250.4	4289.3	4300.7
32.5°	4389.8	4393.1	4367.1	4391.5	4427.1	4451.4	4414.1	4378.5	4362.3	4383.3	4393.1
35°	4600.6	4608.7	4568.2	4551.9	4600.6	4671.9	4566.5	4508.2	4540.6	4568.2	4576.3
37.5°	4958.8	4963.7	4895.6	4830.8	4795.1	4863.2	4757.8	4762.7	4876.2	4928.0	4926.4
40°	5367.3	5369.0	5323.6	5266.8	5205.2	5221.4	5179.3	5192.3	5266.8	5313.8	5326.8
42.5°	5853.7	5848.8	5777.5	5696.4	5678.6	5694.8	5623.5	5613.7	5699.7	5783.9	5785.6
45°	6484.2	6472.9	6380.5	6291.3	6205.4	6169.8	6151.9	6198.9	6317.3	6395.1	6396.7
47.5°	7163.5	7132.7	7084.0	7012.7	6938.1	6902.5	6873.3	6896.0	6981.9	7012.7	7016.0
50°	7862.1	7868.6	7878.4	7850.8	7823.2	7811.9	7735.7	7691.9	7717.9	7661.1	7653.0
52.5°	8690.5	8703.5	8797.5	8876.9	8923.9	8948.3	8804.0	8653.2	8568.9	8458.7	8426.3
55°	9668.0	9689.1	9826.9	10047.3	10274.3	10394.2	10133.3	9851.2	9590.2	9384.3	9317.9
57.5°	10757.4	10794.6	10984.3	11407.4	11872.7	12156.3	11715.4	11203.2	10699.0	10402.4	10350.5
60°	12034.8	12070.4	12333.0	12939.3	13693.1	14119.4	13451.6	12613.5	11986.1	11702.4	11606.8
62.5°	13555.3	13558.6	13881.1	14589.6	15584.9	16178.2	15273.6	14153.5	13506.7	13164.6	13072.2
65°	15191.0	15199.1	15533.0	16298.2	17327.5	17972.7	16951.4	15784.3	14993.2	14489.0	14417.7
67.5°	16346.8	16380.8	16732.6	17653.4	18616.3	19198.2	18141.3	16821.8	15907.5	15306.1	15246.1
70°	16162.0	16294.9	16708.3	17783.0	19122.0	19952.0	18334.2	16698.6	15492.5	14782.5	14732.2
72.5°	14095.1	14349.6	14900.8	16311.1	18452.5	19595.4	17282.1	14955.9	13591.0	12986.3	12895.5
75°	9598.3	10011.7	10843.3	12877.7	15764.8	16966.0	14549.0	11924.5	10640.6	9804.2	9742.6
77.5°	4279.6	4373.6	5427.3	7769.7	10878.9	12183.9	10570.9	7800.5	5855.3	4670.3	4420.6
80°	1193.1	1207.7	1611.3	2893.6	5445.1	7158.6	5845.5	3039.5	1708.6	1204.4	1134.7
82.5°	379.3	411.7	502.5	750.6	1830.2	3266.4	1878.8	810.5	577.1	460.4	415.0
85°	184.8	183.2	254.5	304.8	466.9	723.0	497.7	376.1	329.1	218.8	197.8
87.5°	77.8	79.4	118.3	107.0	136.2	116.7	160.5	168.6	176.7	97.3	84.3
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)