

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: P316131

Luminaire Tested: **GAN-SA7C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316131
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-SA7C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47990 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

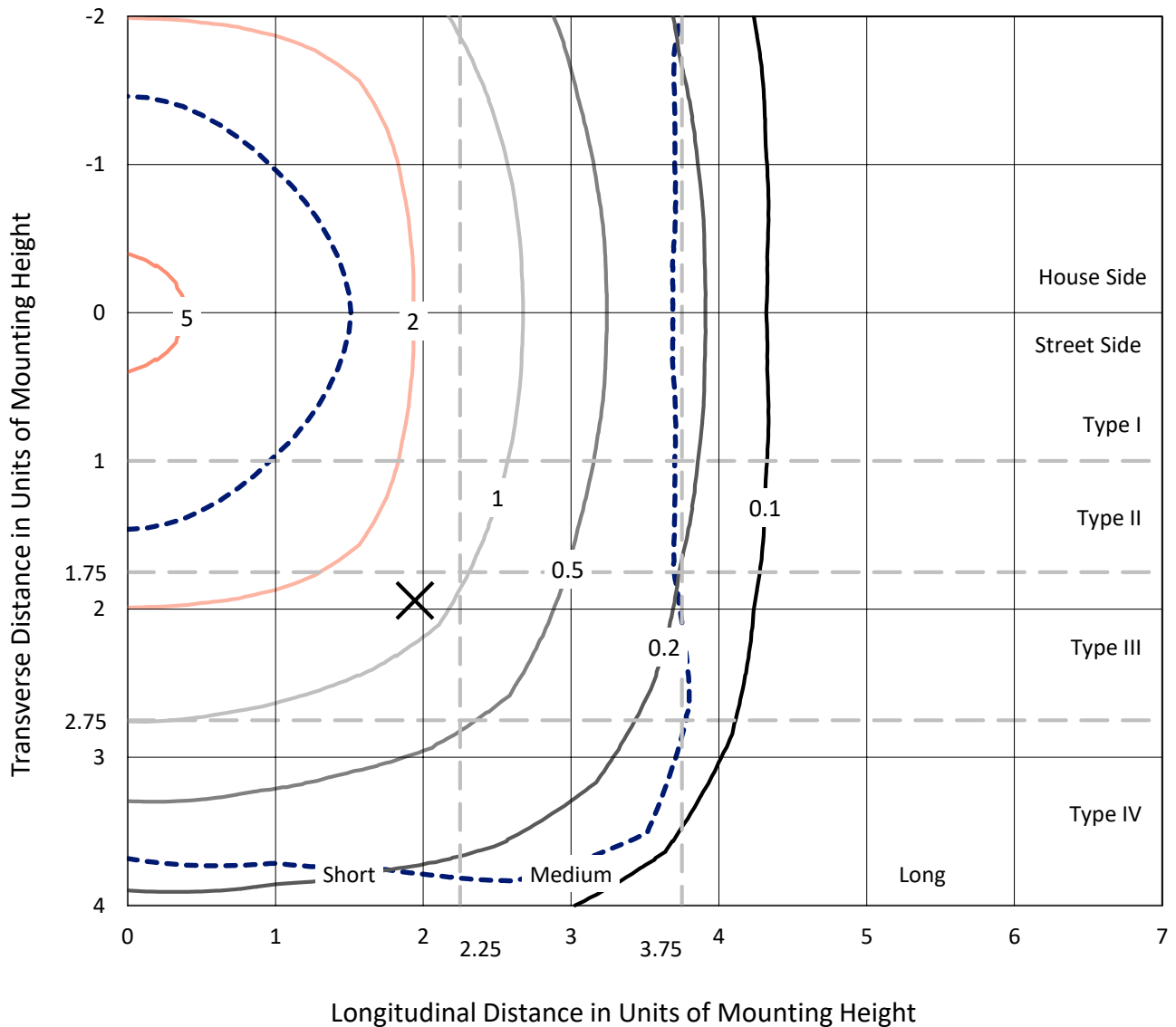
Input Watts (W): 391
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316131
 CATALOG NUMBER: GAN-SA7C-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

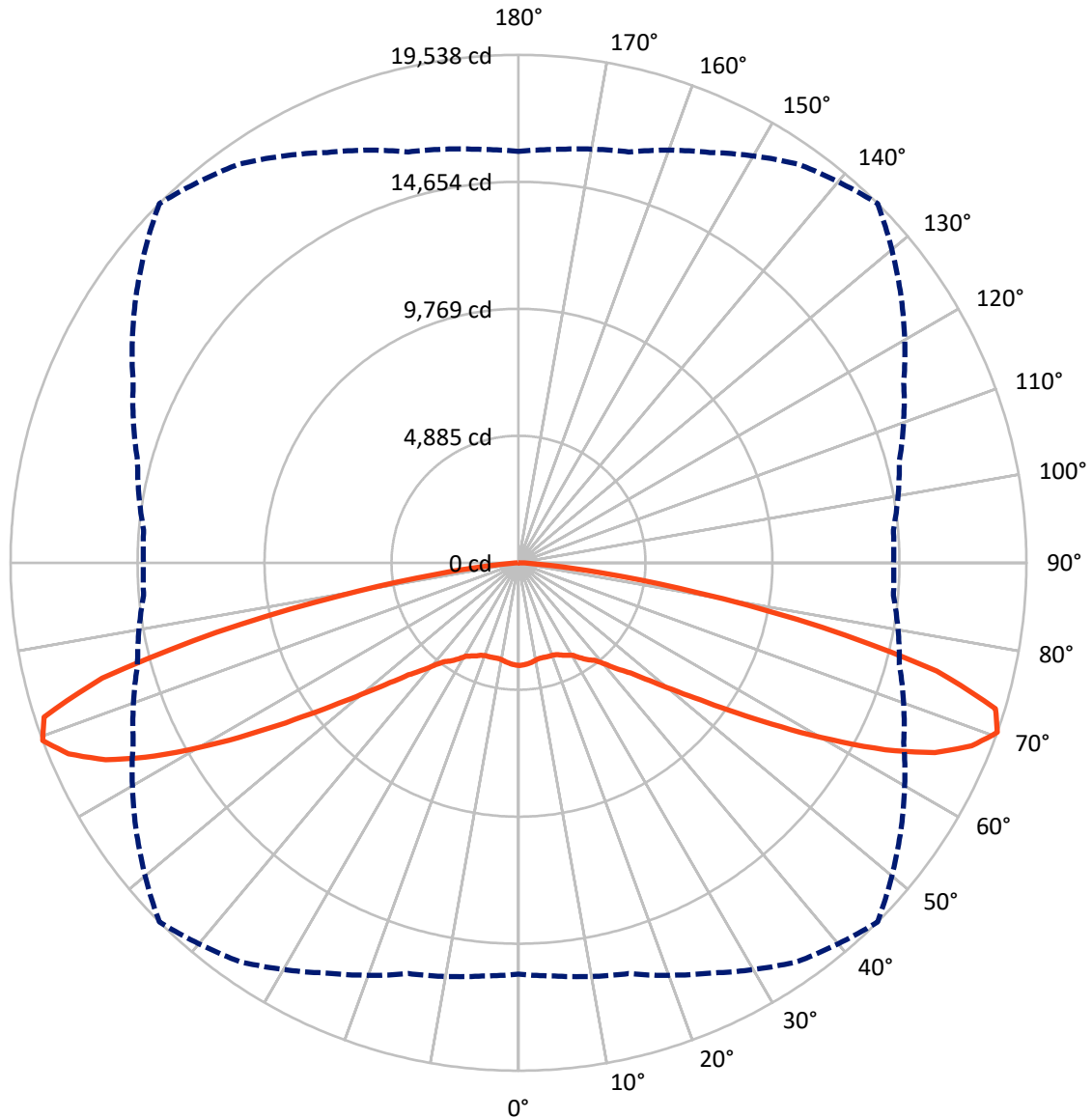
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P316131
CATALOG NUMBER: GAN-SA7C-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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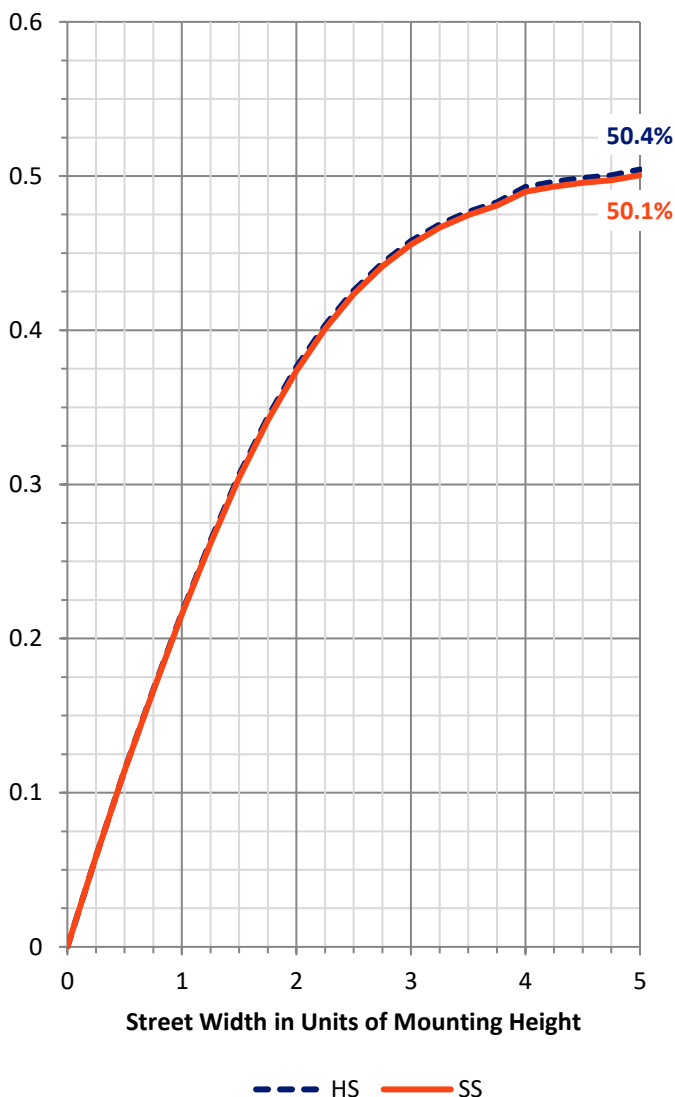
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23995.0	0.0	23995.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23995.0	0.0	23995.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47990.0	0.0	47990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.6	0.8
10°-20°	1076.8	2.2
20°-30°	1835.9	3.8
30°-40°	2868.6	6.0
40°-50°	4861.6	10.1
50°-60°	8865.5	18.5
60°-70°	15262.6	31.8
70°-80°	11963.4	24.9
80°-90°	887.1	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°	47990.0	100.0
0°-180°	47990.0	100.0

Coefficient of Utilization



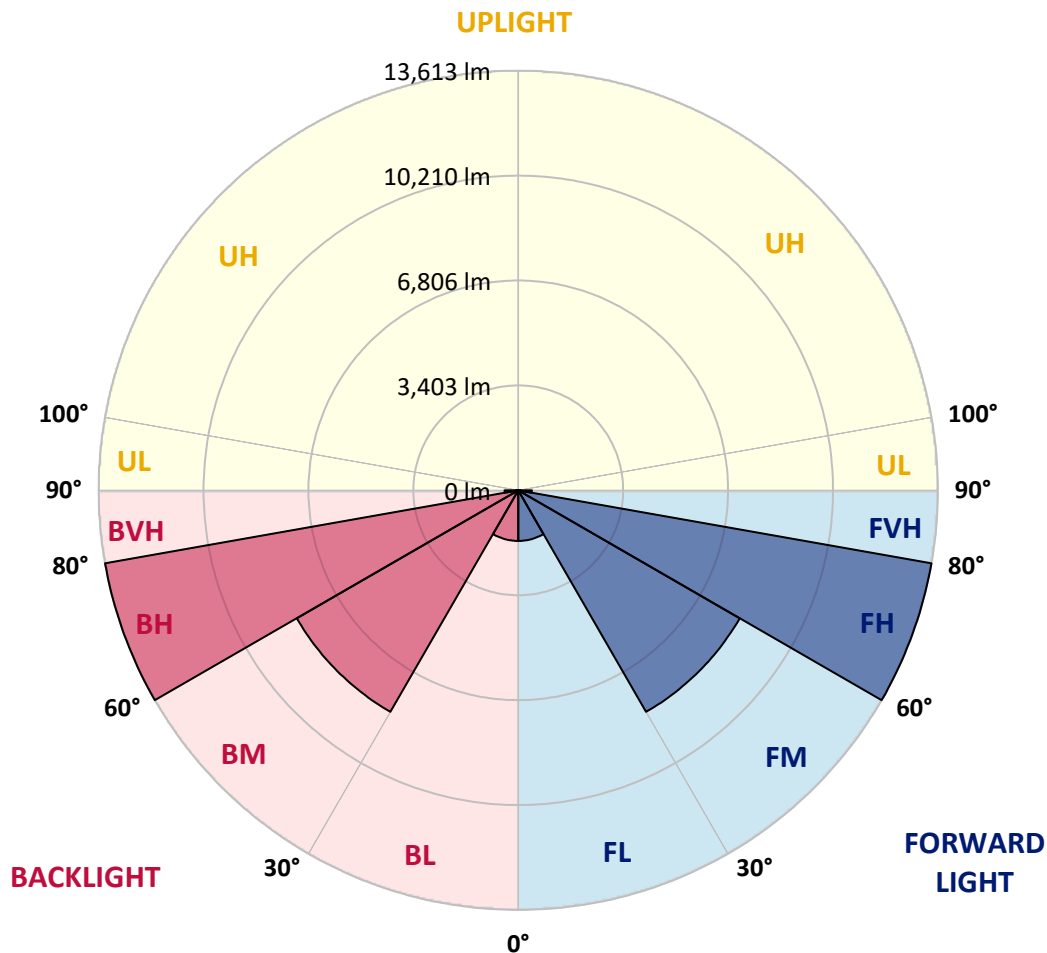
REPORT NUMBER: P316131
 CATALOG NUMBER: GAN-SA7C-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1640.6	3.4			
FM (30°-60°)	8297.8	17.3			
FH (60°-80°)	13613.0	28.4			G5
FVH (80°-90°)	443.5	0.9			G3/500
BL (0°-30°)	1640.6	3.4	B3/2500		
BM (30°-60°)	8297.8	17.3	B4/8500		
BH (60°-80°)	13613.0	28.4	B5		G5
BVH (80°-90°)	443.5	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°	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6	3949.6
2.5°	3932.1	3936.9	3932.1	3935.3	3927.4	3930.5	3930.5	3930.5	3928.9	3930.5	3927.4
5°	3897.2	3900.4	3894.0	3897.2	3892.4	3897.2	3898.8	3897.2	3894.0	3895.6	3889.3
7.5°	3844.8	3848.0	3843.2	3848.0	3841.6	3849.6	3848.0	3843.2	3838.5	3838.5	3832.1
10°	3816.2	3817.8	3805.1	3800.4	3786.1	3789.3	3794.0	3798.8	3803.5	3813.1	3811.5
12.5°	3817.8	3817.8	3798.8	3778.1	3757.5	3762.3	3770.2	3787.7	3806.7	3824.2	3825.8
15°	3833.7	3832.1	3803.5	3770.2	3755.9	3770.2	3775.0	3786.1	3816.2	3846.4	3848.0
17.5°	3844.8	3844.8	3800.4	3762.3	3760.7	3782.9	3781.3	3786.1	3819.4	3863.9	3865.4
20°	3865.4	3865.4	3808.3	3767.0	3767.0	3790.8	3792.4	3800.4	3833.7	3882.9	3890.8
22.5°	3911.5	3913.1	3852.7	3819.4	3822.6	3836.9	3841.6	3854.3	3884.5	3938.5	3948.0
25°	3976.6	3979.7	3917.8	3898.8	3909.9	3936.9	3933.7	3943.2	3976.6	4029.0	4038.5
27.5°	4067.1	4059.1	4002.0	3994.0	4005.1	4024.2	4022.6	4024.2	4051.2	4098.8	4109.9
30°	4184.5	4181.4	4140.1	4144.8	4140.1	4133.7	4135.3	4148.0	4162.3	4200.4	4211.5
32.5°	4298.8	4302.0	4276.6	4300.4	4335.3	4359.1	4322.6	4287.7	4271.8	4292.5	4302.0
35°	4505.2	4513.1	4473.4	4457.6	4505.2	4575.0	4471.9	4414.7	4446.5	4473.4	4481.4
37.5°	4856.0	4860.8	4794.1	4730.6	4695.7	4762.4	4659.2	4663.9	4775.1	4825.9	4824.3
40°	5256.1	5257.6	5213.2	5157.6	5097.3	5113.2	5071.9	5084.6	5157.6	5203.7	5216.4
42.5°	5732.3	5727.5	5657.7	5578.3	5560.8	5576.7	5506.9	5497.4	5581.5	5664.0	5665.6
45°	6349.8	6338.7	6248.2	6160.9	6076.8	6041.8	6024.4	6070.4	6186.3	6262.5	6264.1
47.5°	7015.0	6984.8	6937.2	6867.3	6794.3	6759.4	6730.8	6753.0	6837.2	6867.3	6870.5
50°	7699.1	7705.5	7715.0	7688.0	7661.0	7649.9	7575.3	7532.5	7557.9	7502.3	7494.4
52.5°	8510.3	8523.0	8615.1	8692.9	8738.9	8762.7	8621.5	8473.8	8391.3	8283.3	8251.6
55°	9467.6	9488.2	9623.1	9839.0	10061.3	10178.7	9923.2	9647.0	9391.4	9189.8	9124.7
57.5°	10534.3	10570.9	10756.6	11170.9	11626.5	11904.3	11472.5	10970.9	10477.2	10186.7	10135.9
60°	11785.3	11820.2	12077.3	12671.1	13409.2	13826.7	13172.7	12352.0	11737.6	11459.8	11366.2
62.5°	13274.3	13277.5	13593.4	14287.1	15261.8	15842.8	14957.0	13860.1	13226.7	12891.7	12801.2
65°	14876.0	14884.0	15211.0	15960.3	16968.3	17600.1	16600.0	15457.0	14682.4	14188.7	14118.8
67.5°	16007.9	16041.2	16385.7	17287.4	18230.3	18800.2	17765.2	16473.0	15577.7	14988.7	14930.0
70°	15826.9	15957.1	16361.9	17414.4	18725.6	19538.4	17954.1	16352.4	15171.3	14476.0	14426.8
72.5°	13802.9	14052.1	14591.9	15973.0	18070.0	19189.1	16923.8	14645.8	13309.2	12717.1	12628.2
75°	9399.3	9804.1	10618.5	12610.7	15438.0	16614.3	14247.4	11677.3	10420.0	9600.9	9540.6
77.5°	4190.9	4282.9	5314.8	7608.7	10653.4	11931.3	10351.8	7638.8	5733.9	4573.5	4329.0
80°	1168.4	1182.7	1577.9	2833.6	5332.3	7010.2	5724.4	2976.5	1673.2	1179.5	1111.2
82.5°	371.5	403.2	492.1	735.0	1792.2	3198.7	1839.9	793.7	565.1	450.8	406.4
85°	181.0	179.4	249.2	298.4	457.2	708.0	487.3	368.3	322.3	214.3	193.7
87.5°	76.2	77.8	115.9	104.8	133.3	114.3	157.2	165.1	173.0	95.2	82.5
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)