

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: P316750

Luminaire Tested: **GAN-SA6A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316750
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-SA6A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26183 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

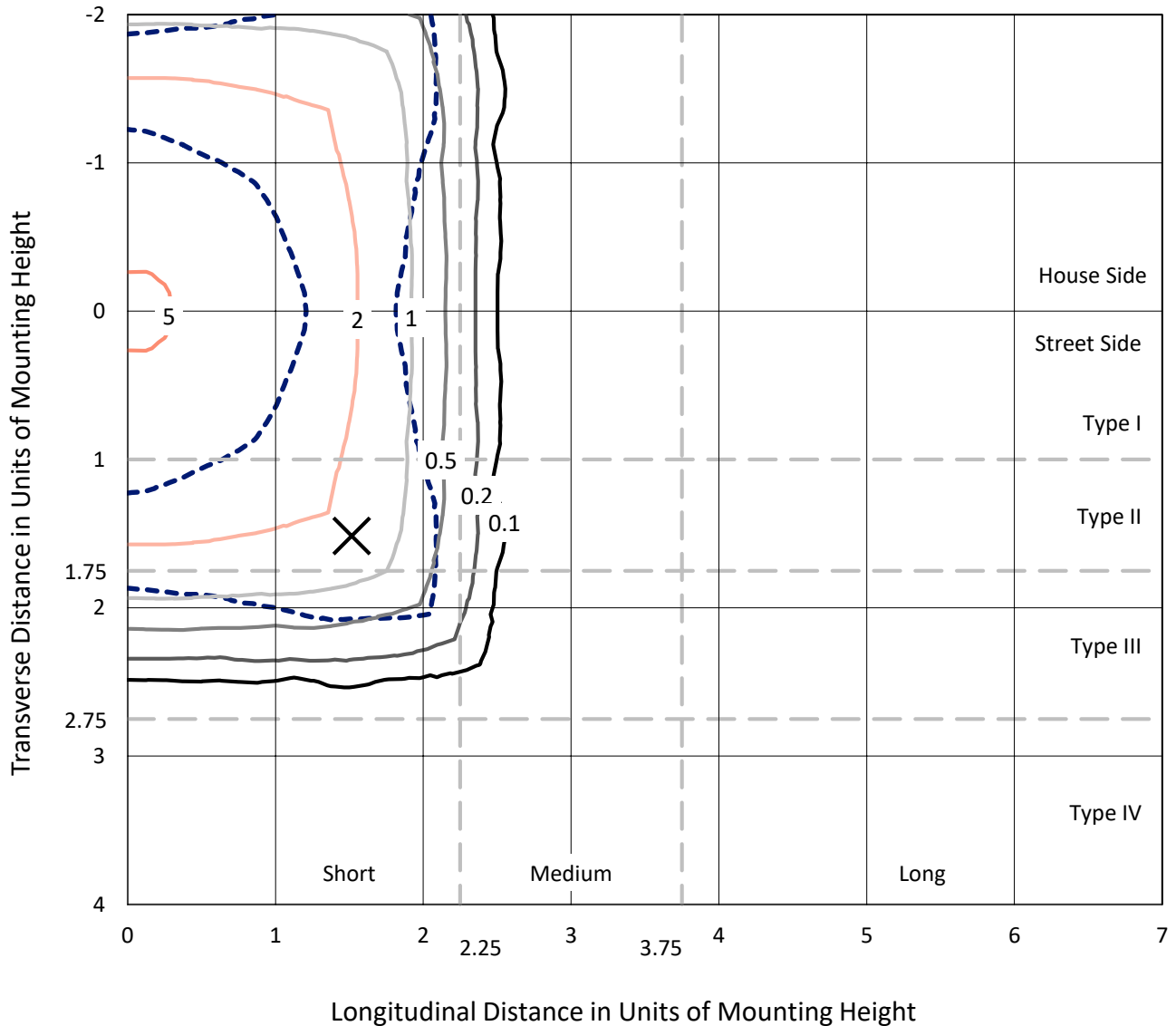
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

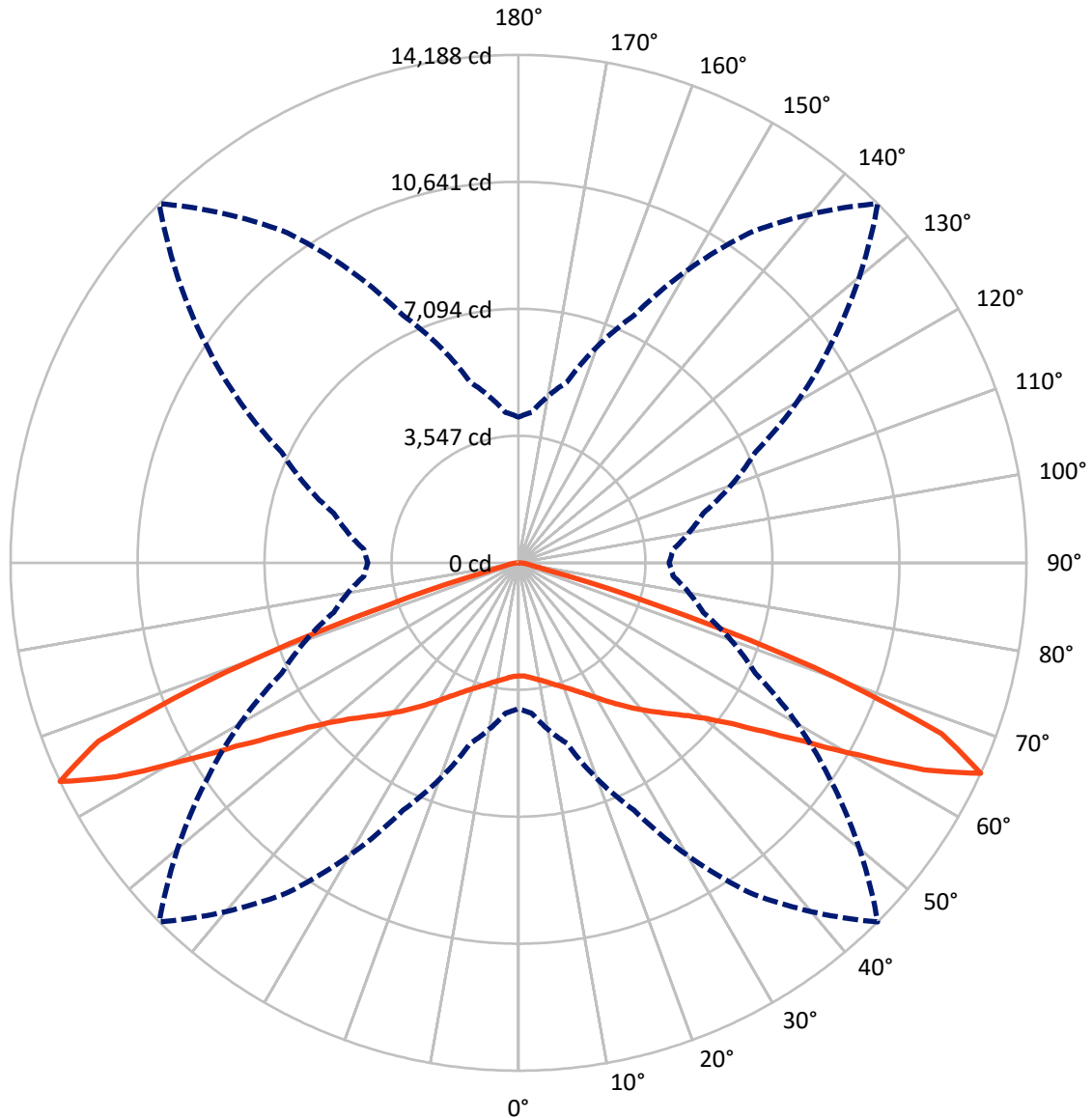
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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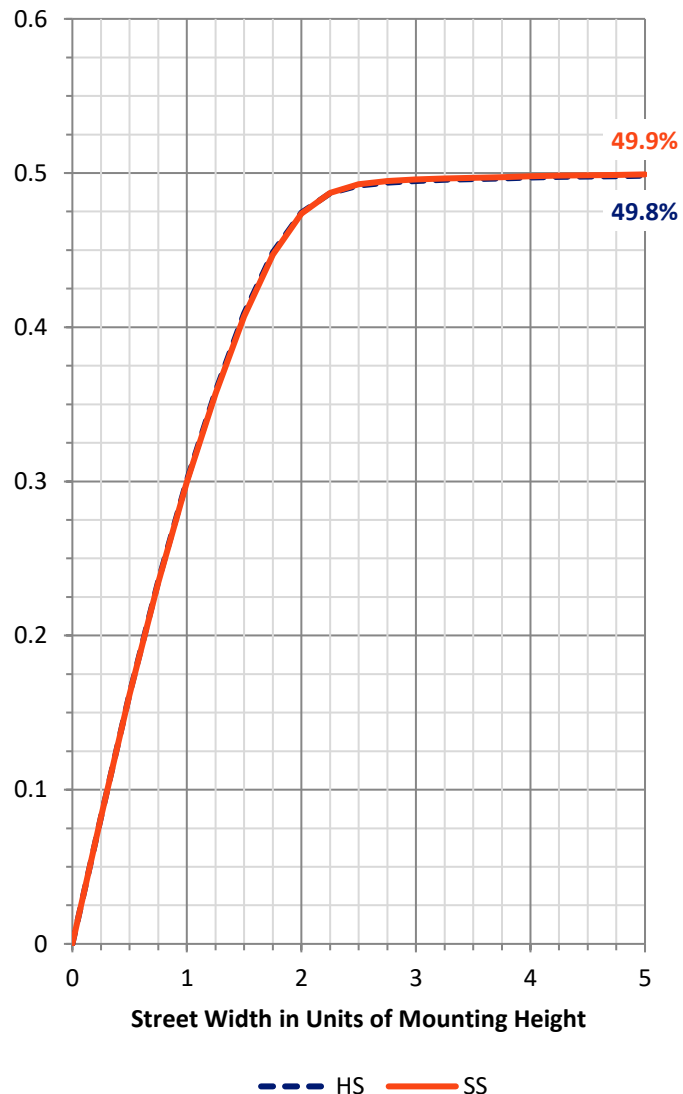
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13091.5	0.0	13091.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13091.5	0.0	13091.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26183.0	0.0	26183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.2	1.2
10°-20°	997.2	3.8
20°-30°	1870.9	7.1
30°-40°	3094.0	11.8
40°-50°	4792.2	18.3
50°-60°	7349.9	28.1
60°-70°	6858.3	26.2
70°-80°	798.2	3.0
80°-90°	112.2	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°	26183.0	100.0
0°-180°	26183.0	100.0

Coefficient of Utilization



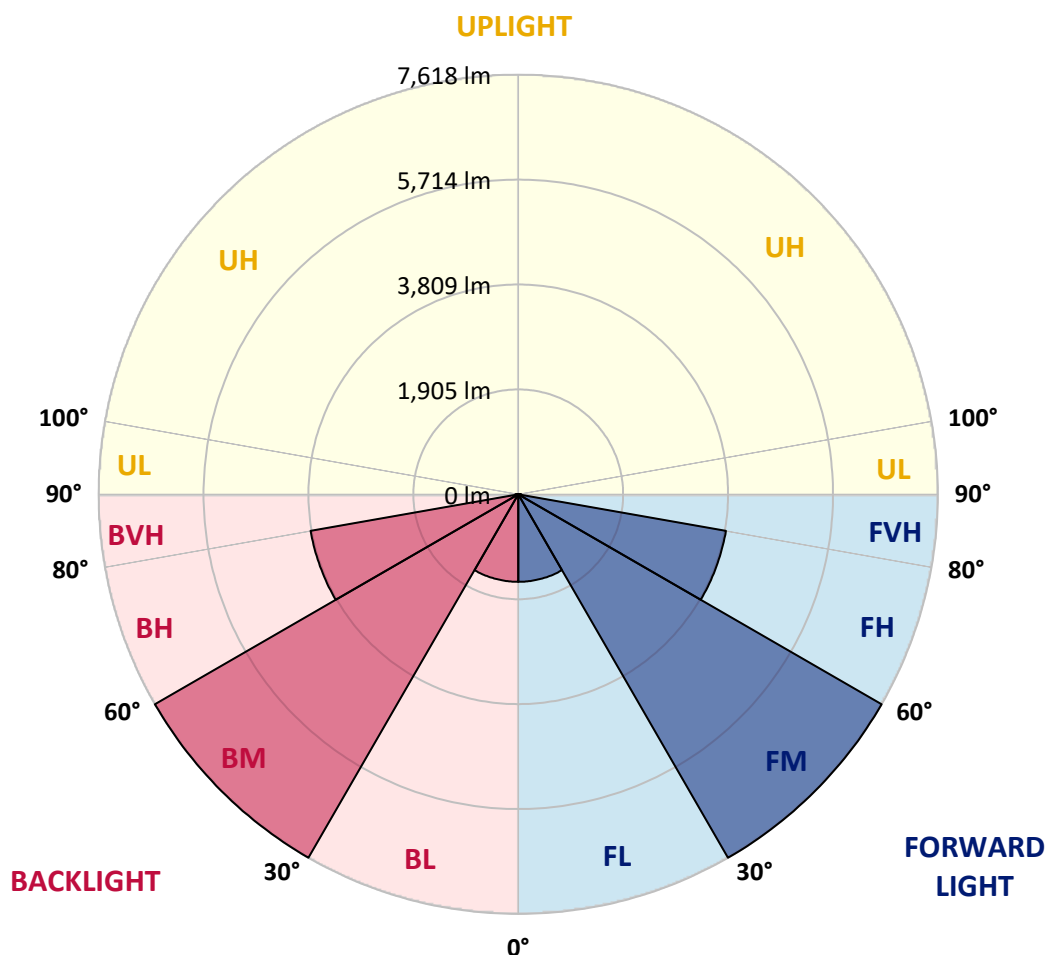
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1589.1	6.1			
FM (30°-60°)	7618.1	29.1			
FH (60°-80°)	3828.2	14.6			G2/5000
FVH (80°-90°)	56.1	0.2			G1/100
BL (0°-30°)	1589.1	6.1	B3/2500		
BM (30°-60°)	7618.1	29.1	B4/8500		
BH (60°-80°)	3828.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	56.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9
2.5°	3172.4	3170.6	3172.4	3173.2	3168.0	3170.6	3169.8	3174.1	3175.8	3174.1	3174.1
5°	3208.9	3206.3	3209.7	3214.1	3207.1	3208.9	3206.3	3211.5	3213.2	3209.7	3212.3
7.5°	3259.3	3260.1	3263.6	3271.4	3267.1	3270.6	3265.4	3266.2	3265.4	3260.1	3261.0
10°	3314.0	3314.9	3321.0	3331.4	3333.1	3333.1	3329.7	3327.1	3323.6	3320.1	3321.0
12.5°	3380.1	3384.4	3388.8	3401.8	3401.8	3408.8	3407.0	3400.1	3394.0	3388.8	3388.8
15°	3469.6	3468.7	3473.9	3487.0	3493.1	3504.4	3504.4	3494.8	3487.0	3481.8	3480.0
17.5°	3563.5	3566.1	3569.6	3585.2	3594.8	3607.8	3609.5	3601.7	3596.5	3589.5	3585.2
20°	3673.0	3677.3	3691.2	3697.3	3706.0	3718.2	3722.5	3720.8	3715.6	3712.1	3713.0
22.5°	3800.7	3812.0	3820.7	3829.4	3839.9	3848.5	3852.9	3859.0	3853.8	3851.2	3849.4
25°	3955.5	3963.3	3980.7	3996.3	4003.3	4005.9	4011.1	4019.8	4018.9	4012.8	4012.8
27.5°	4131.0	4145.8	4167.5	4190.1	4190.1	4181.4	4198.8	4213.6	4208.4	4200.6	4190.1
30°	4344.0	4357.9	4383.1	4414.4	4398.7	4392.6	4416.1	4443.0	4435.2	4422.2	4420.4
32.5°	4573.4	4586.4	4619.5	4653.4	4633.4	4624.7	4649.9	4689.0	4675.1	4649.0	4633.4
35°	4822.0	4835.0	4882.0	4922.8	4888.9	4874.1	4895.0	4937.6	4913.2	4864.6	4852.4
37.5°	5092.3	5099.2	5160.1	5201.8	5178.3	5139.2	5165.3	5196.6	5175.7	5116.6	5093.2
40°	5373.0	5398.2	5468.6	5517.3	5476.4	5414.7	5458.2	5501.7	5470.4	5394.7	5354.8
42.5°	5700.7	5719.8	5813.7	5857.1	5791.1	5704.2	5763.3	5822.4	5791.1	5718.1	5683.3
45°	6041.4	6070.9	6183.1	6226.5	6130.9	6020.5	6092.7	6196.1	6193.5	6088.3	6051.8
47.5°	6412.5	6442.1	6575.9	6633.3	6529.8	6382.1	6483.8	6629.8	6619.4	6503.8	6474.2
50°	6841.0	6872.3	7039.2	7111.3	7014.8	6842.7	6995.7	7124.3	7105.2	6962.7	6965.3
52.5°	7379.0	7377.3	7585.0	7710.1	7611.1	7459.0	7599.8	7724.9	7645.8	7448.5	7442.4
55°	7850.1	7878.7	8136.0	8373.3	8367.2	8309.0	8365.5	8370.7	8144.7	7882.2	7850.1
57.5°	8159.5	8214.2	8576.7	9006.0	9327.6	9405.0	9295.4	8963.4	8434.1	8014.3	7963.1
60°	7969.1	8052.6	8621.9	9497.1	10444.4	10899.0	10281.0	9251.1	8209.0	7624.1	7554.6
62.5°	6684.6	6825.4	7658.9	9259.8	11405.7	12734.6	10995.5	8789.6	7313.8	6508.1	6389.0
65°	4071.0	4219.7	5224.4	7621.5	11250.1	14187.8	10669.6	7295.6	5338.3	4336.1	4207.5
67.5°	1356.7	1400.2	1992.1	4212.7	8841.8	12747.7	8856.5	4367.4	2323.2	1540.1	1494.9
70°	531.0	535.4	631.9	1221.1	4175.3	8755.7	4607.3	1242.9	660.5	522.4	533.7
72.5°	390.2	392.0	418.9	510.2	1088.2	3857.2	1127.3	512.8	407.6	365.9	365.9
75°	313.8	313.8	332.9	372.0	487.6	884.8	494.5	367.6	319.0	292.0	288.6
77.5°	247.7	252.9	267.7	292.9	330.3	425.9	342.4	291.2	257.3	232.1	226.8
80°	184.3	189.5	213.8	226.0	237.3	295.5	252.9	227.7	203.4	173.8	168.6
82.5°	120.8	126.0	156.4	163.4	160.8	192.9	170.4	167.7	149.5	112.1	106.9
85°	79.1	80.8	104.3	108.6	100.0	87.8	108.6	114.7	104.3	73.0	70.4
87.5°	37.4	37.4	53.0	49.5	45.2	36.5	49.5	58.2	59.1	35.6	34.8
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)