

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: P316790

Luminaire Tested: **GAN-SA6A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316790
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-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 28751 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

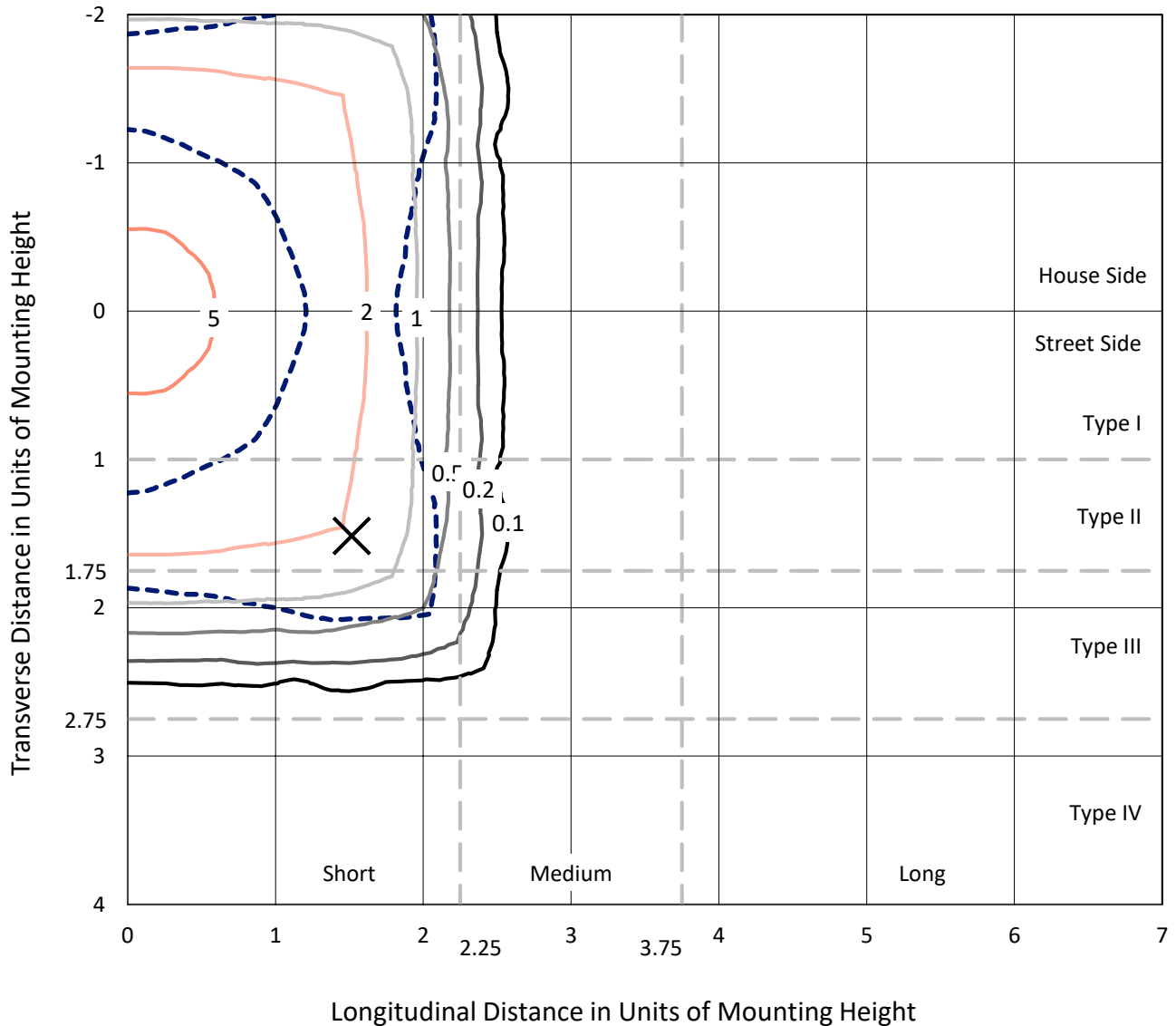
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

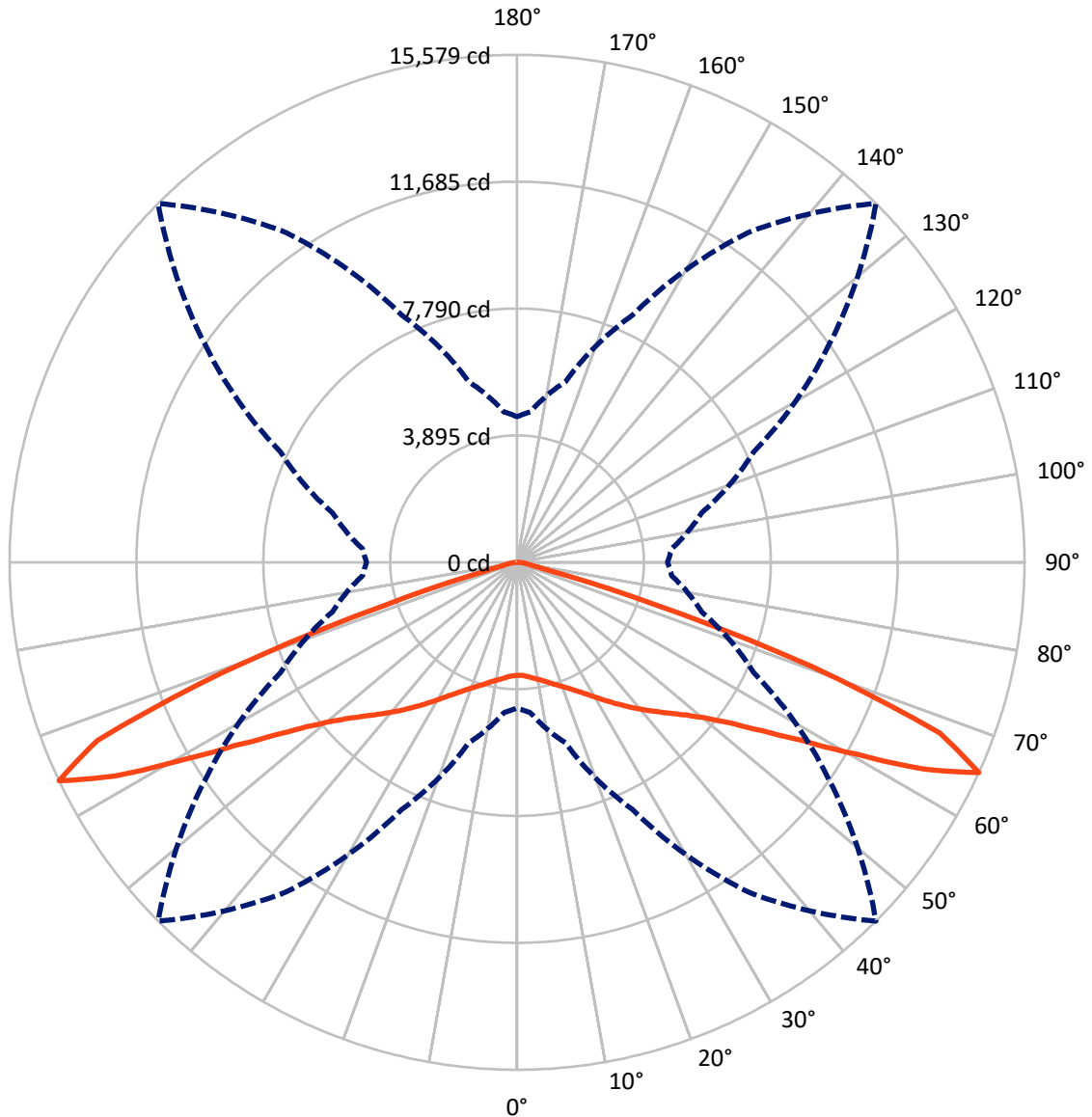
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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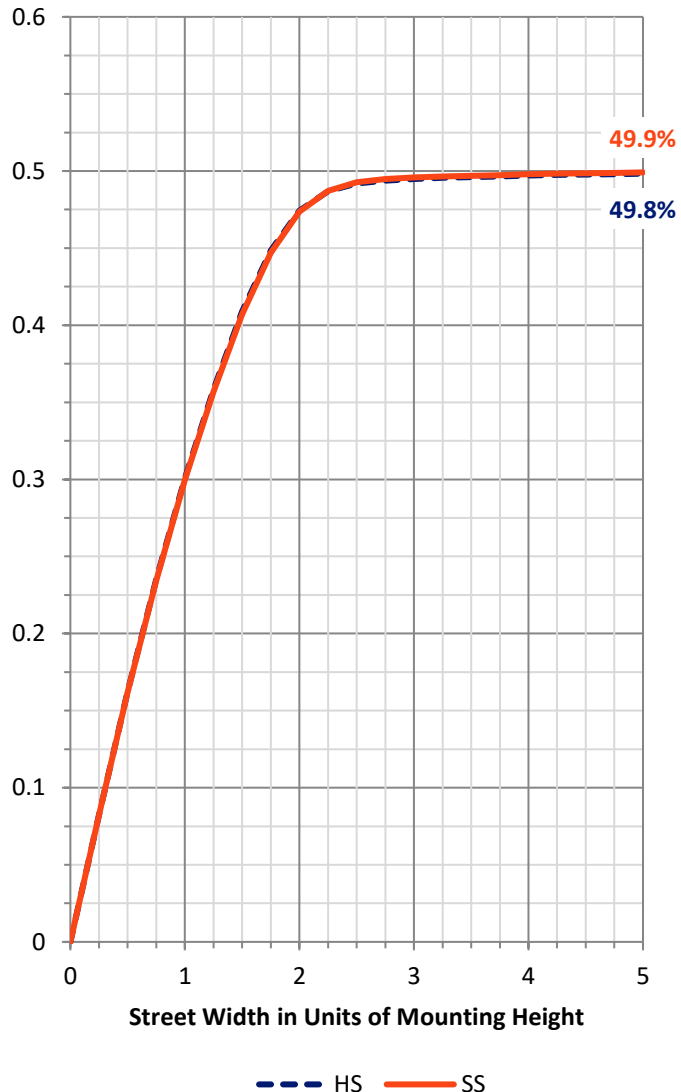
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14375.5	0.0	14375.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14375.5	0.0	14375.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28751.0	0.0	28751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.6	1.2
10°-20°	1095.0	3.8
20°-30°	2054.3	7.1
30°-40°	3397.5	11.8
40°-50°	5262.2	18.3
50°-60°	8070.8	28.1
60°-70°	7530.9	26.2
70°-80°	876.5	3.0
80°-90°	123.2	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°	28751.0	100.0
0°-180°	28751.0	100.0

Coefficient of Utilization



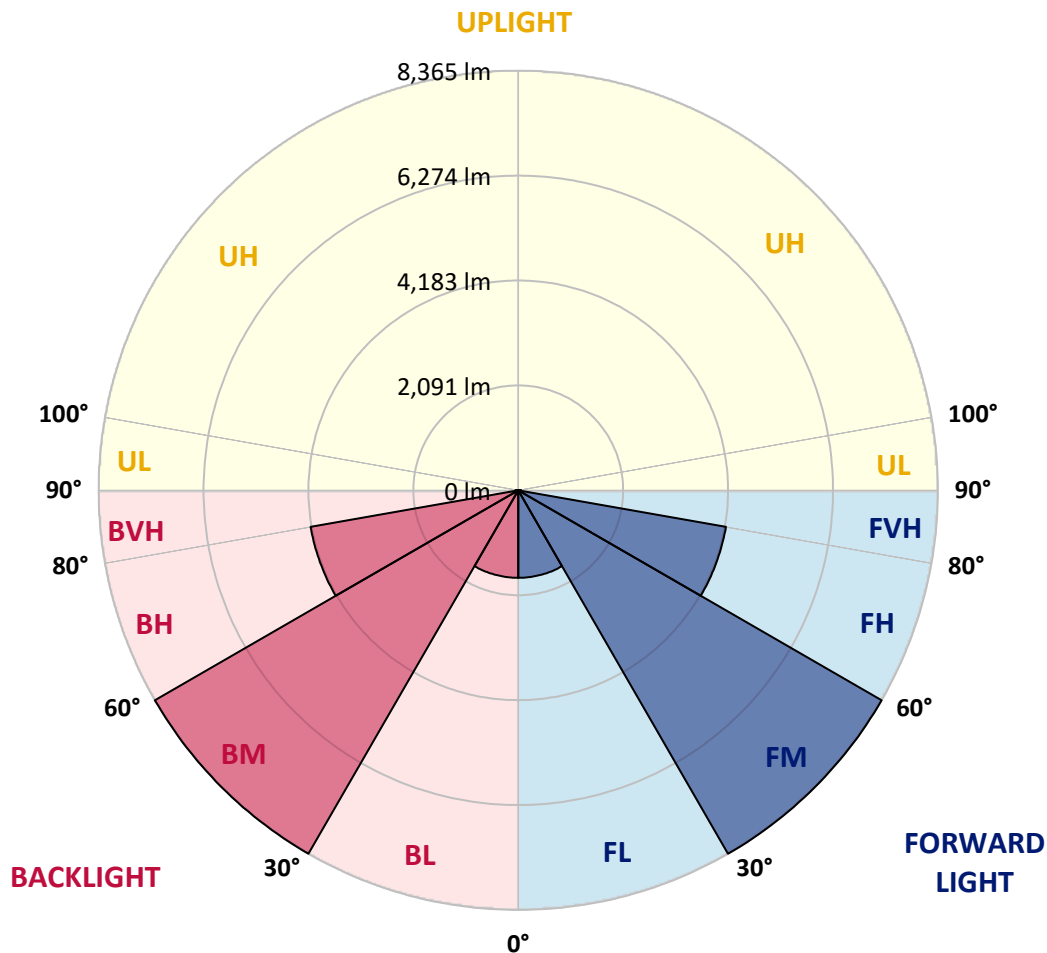
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1745.0	6.1			
FM (30°-60°)	8365.2	29.1			
FH (60°-80°)	4203.7	14.6			G2/5000
FVH (80°-90°)	61.6	0.2			G1/100
BL (0°-30°)	1745.0	6.1	B3/2500		
BM (30°-60°)	8365.2	29.1	B4/8500		
BH (60°-80°)	4203.7	14.6	B4/5000		G2/5000
BVH (80°-90°)	61.6	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°	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0	3472.0
2.5°	3483.5	3481.6	3483.5	3484.5	3478.7	3481.6	3480.6	3485.4	3487.3	3485.4	3485.4
5°	3523.6	3520.7	3524.5	3529.3	3521.7	3523.6	3520.7	3526.4	3528.4	3524.5	3527.4
7.5°	3578.9	3579.9	3583.7	3592.3	3587.5	3591.3	3585.6	3586.6	3585.6	3579.9	3580.8
10°	3639.1	3640.0	3646.7	3658.2	3660.1	3660.1	3656.2	3653.4	3649.6	3645.7	3646.7
12.5°	3711.6	3716.4	3721.1	3735.5	3735.5	3743.1	3741.2	3733.5	3726.9	3721.1	3721.1
15°	3809.9	3808.9	3814.7	3829.0	3835.7	3848.1	3848.1	3837.6	3829.0	3823.3	3821.4
17.5°	3913.0	3915.8	3919.7	3936.8	3947.3	3961.6	3963.6	3955.0	3949.2	3941.6	3936.8
20°	4033.2	4038.0	4053.3	4059.9	4069.5	4082.9	4087.6	4085.7	4080.0	4076.2	4077.1
22.5°	4173.5	4185.9	4195.5	4205.0	4216.5	4226.0	4230.8	4237.5	4231.7	4228.9	4227.0
25°	4343.4	4352.0	4371.1	4388.3	4395.9	4398.8	4404.5	4414.0	4413.1	4406.4	4406.4
27.5°	4536.2	4552.4	4576.3	4601.1	4601.1	4591.5	4610.6	4626.9	4621.1	4612.5	4601.1
30°	4770.0	4785.3	4813.0	4847.3	4830.1	4823.5	4849.2	4878.8	4870.2	4855.9	4854.0
32.5°	5022.0	5036.3	5072.5	5109.8	5087.8	5078.3	5106.0	5148.9	5133.6	5105.0	5087.8
35°	5294.9	5309.2	5360.8	5405.6	5368.4	5352.2	5375.1	5421.9	5395.1	5341.7	5328.3
37.5°	5591.7	5599.4	5666.2	5712.0	5686.2	5643.3	5671.9	5706.3	5683.4	5618.5	5592.7
40°	5900.0	5927.7	6005.0	6058.4	6013.6	5945.8	5993.5	6041.2	6006.9	5923.9	5880.0
42.5°	6259.8	6280.8	6383.9	6431.6	6359.1	6263.6	6328.5	6393.4	6359.1	6278.9	6240.7
45°	6633.9	6666.4	6789.5	6837.2	6732.2	6611.0	6690.2	6803.8	6800.9	6685.5	6645.4
47.5°	7041.4	7073.9	7220.9	7283.9	7170.3	7008.0	7119.7	7280.0	7268.6	7141.7	7109.2
50°	7512.0	7546.3	7729.6	7808.8	7702.8	7513.9	7681.8	7823.1	7802.1	7645.6	7648.4
52.5°	8102.7	8100.8	8328.9	8466.3	8357.5	8190.5	8345.1	8482.6	8395.7	8179.1	8172.4
55°	8620.0	8651.5	8934.0	9194.5	9187.9	9123.9	9185.9	9191.7	8943.5	8655.3	8620.0
57.5°	8959.8	9019.9	9417.9	9889.3	10242.4	10327.4	10207.1	9842.6	9261.3	8800.4	8744.1
60°	8750.7	8842.4	9467.5	10428.5	11468.8	11968.0	11289.4	10158.5	9014.2	8371.9	8295.5
62.5°	7340.2	7494.8	8410.0	10168.0	12524.4	13983.6	12073.9	9651.7	8031.1	7146.4	7015.7
65°	4470.3	4633.5	5736.8	8369.0	12353.5	15579.4	11716.0	8011.1	5861.8	4761.4	4620.2
67.5°	1489.8	1537.5	2187.4	4625.9	9708.9	13997.9	9725.2	4795.8	2551.1	1691.2	1641.5
70°	583.1	587.9	693.8	1340.9	4584.9	9614.5	5059.2	1364.8	725.3	573.6	586.0
72.5°	428.5	430.4	460.0	560.2	1194.9	4235.6	1237.8	563.1	447.6	401.8	401.8
75°	344.5	344.5	365.5	408.5	535.4	971.6	543.0	403.7	350.3	320.7	316.9
77.5°	272.0	277.7	294.0	321.6	362.7	467.6	376.0	319.7	282.5	254.8	249.1
80°	202.3	208.1	234.8	248.1	260.5	324.5	277.7	250.0	223.3	190.9	185.2
82.5°	132.7	138.4	171.8	179.4	176.6	211.9	187.1	184.2	164.2	123.1	117.4
85°	86.8	88.8	114.5	119.3	109.8	96.4	119.3	126.0	114.5	80.2	77.3
87.5°	41.0	41.0	58.2	54.4	49.6	40.1	54.4	63.9	64.9	39.1	38.2
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)