

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: P316791

Luminaire Tested: **GAN-SA7A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316791
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-SA7A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 34002 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

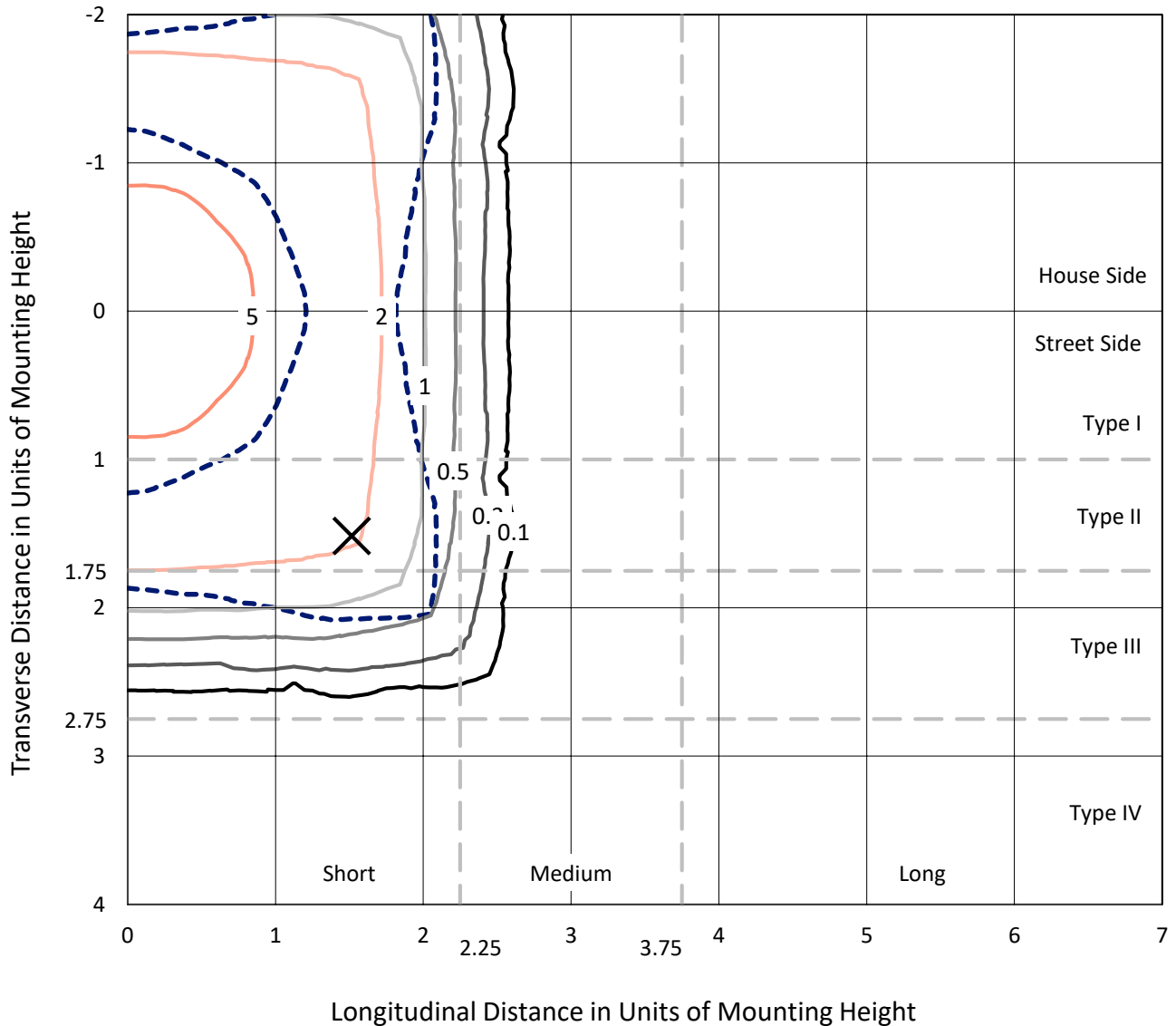
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

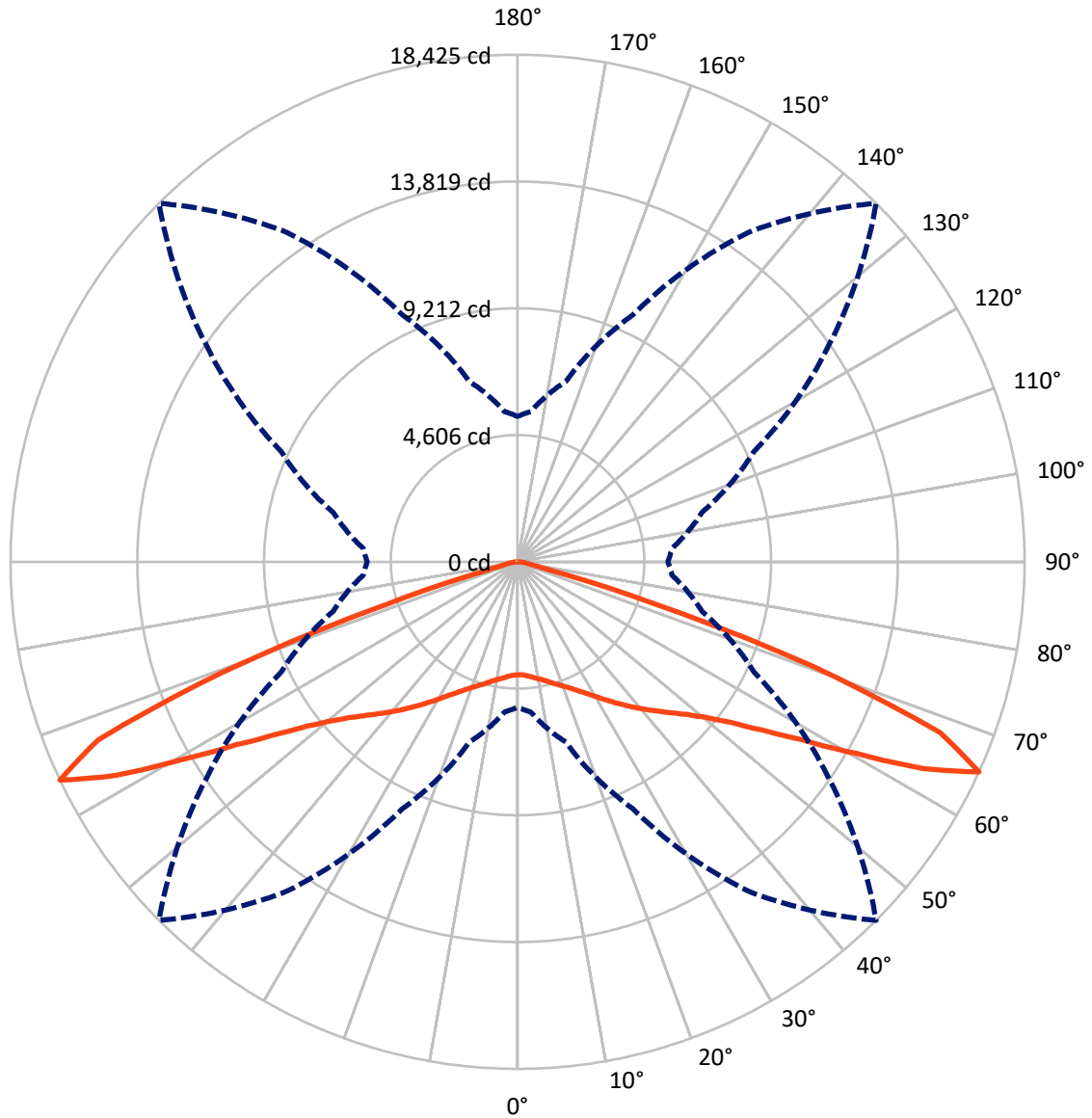
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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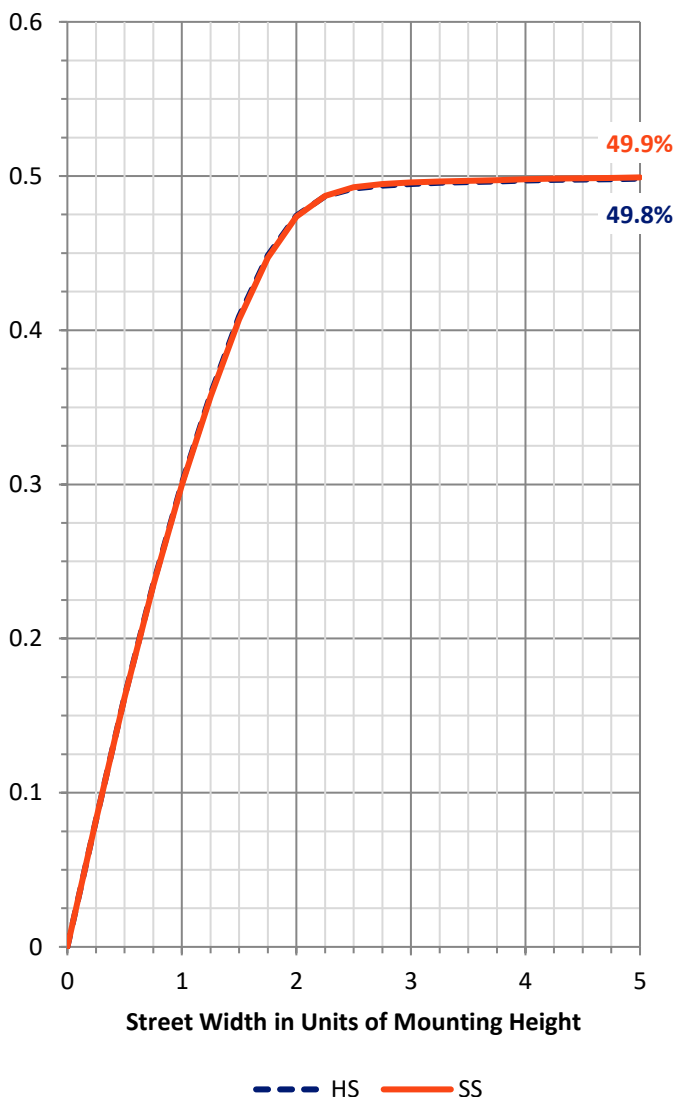
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17001.0	0.0	17001.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17001.0	0.0	17001.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34002.0	0.0	34002.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.9	1.2
10°-20°	1294.9	3.8
20°-30°	2429.5	7.1
30°-40°	4018.0	11.8
40°-50°	6223.3	18.3
50°-60°	9544.8	28.1
60°-70°	8906.4	26.2
70°-80°	1036.6	3.0
80°-90°	145.7	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°	34002.0	100.0
0°-180°	34002.0	100.0

Coefficient of Utilization



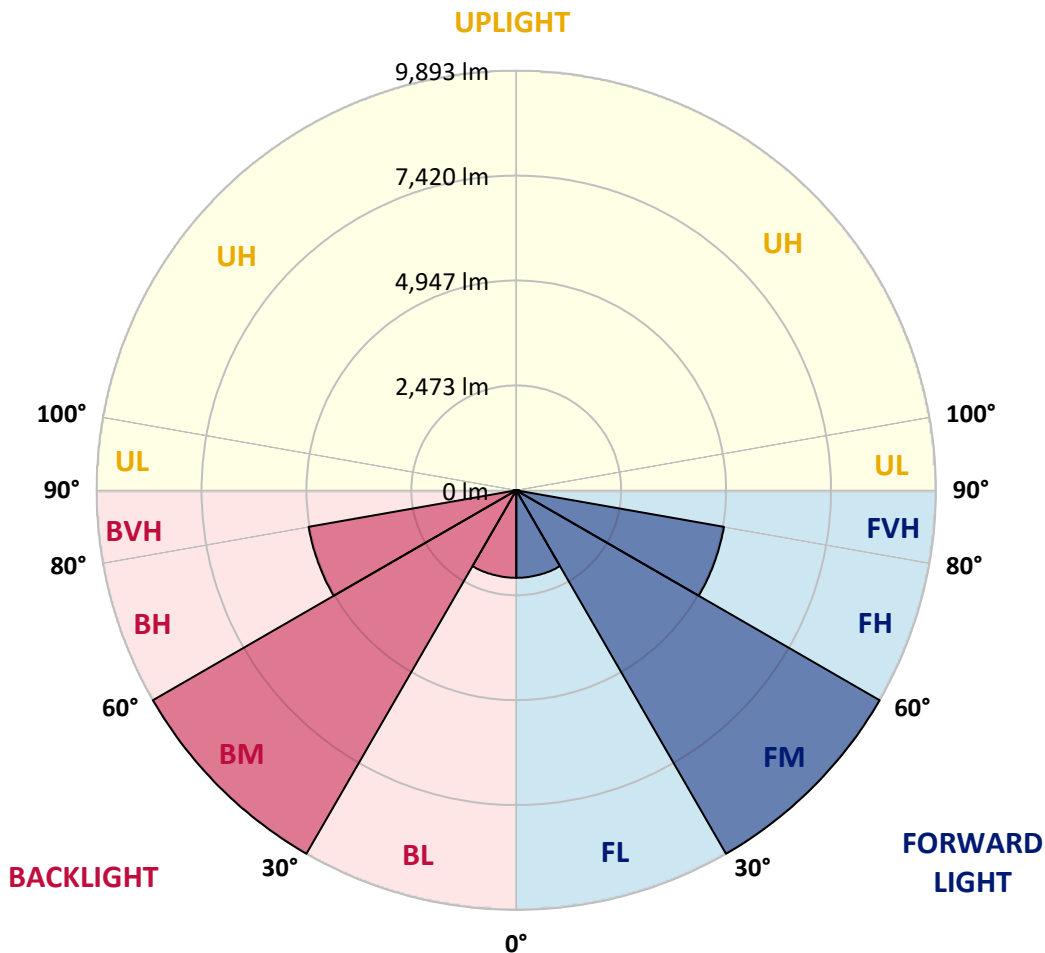
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2063.7	6.1			
FM (30°-60°)	9893.0	29.1			
FH (60°-80°)	4971.5	14.6			G2/5000
FVH (80°-90°)	72.8	0.2			G1/100
BL (0°-30°)	2063.7	6.1	B3/2500		
BM (30°-60°)	9893.0	29.1	B5		
BH (60°-80°)	4971.5	14.6	B4/5000		G2/5000
BVH (80°-90°)	72.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2	4106.2
2.5°	4119.7	4117.5	4119.7	4120.8	4114.1	4117.5	4116.3	4122.0	4124.2	4122.0	4122.0
5°	4167.1	4163.7	4168.3	4173.9	4164.9	4167.1	4163.7	4170.5	4172.8	4168.3	4171.6
7.5°	4232.6	4233.7	4238.2	4248.4	4242.7	4247.3	4240.5	4241.6	4240.5	4233.7	4234.8
10°	4303.7	4304.8	4312.7	4326.3	4328.5	4328.5	4324.0	4320.6	4316.1	4311.6	4312.7
12.5°	4389.5	4395.1	4400.8	4417.7	4417.7	4426.7	4424.5	4415.4	4407.5	4400.8	4400.8
15°	4505.7	4504.6	4511.4	4528.3	4536.2	4550.9	4550.9	4538.5	4528.3	4521.5	4519.3
17.5°	4627.6	4631.0	4635.5	4655.8	4668.3	4685.2	4687.4	4677.3	4670.5	4661.5	4655.8
20°	4769.8	4775.5	4793.5	4801.4	4812.7	4828.5	4834.2	4831.9	4825.1	4820.6	4821.8
22.5°	4935.8	4950.4	4961.7	4973.0	4986.5	4997.8	5003.5	5011.4	5004.6	5001.2	4999.0
25°	5136.7	5146.8	5169.4	5189.7	5198.7	5202.1	5208.9	5220.2	5219.1	5211.2	5211.2
27.5°	5364.7	5383.8	5412.1	5441.4	5441.4	5430.1	5452.7	5471.9	5465.1	5455.0	5441.4
30°	5641.2	5659.2	5692.0	5732.6	5712.3	5704.4	5734.9	5769.9	5759.7	5742.8	5740.5
32.5°	5939.2	5956.1	5999.0	6043.0	6017.0	6005.8	6038.5	6089.3	6071.2	6037.4	6017.0
35°	6262.0	6278.9	6339.8	6392.9	6348.9	6329.7	6356.8	6412.1	6380.5	6317.3	6301.5
37.5°	6613.0	6622.0	6701.0	6755.2	6724.7	6673.9	6707.8	6748.4	6721.3	6644.6	6614.1
40°	6977.6	7010.3	7101.7	7164.9	7111.9	7031.7	7088.2	7144.6	7104.0	7005.8	6953.9
42.5°	7403.1	7427.9	7549.8	7606.2	7520.5	7407.6	7484.3	7561.1	7520.5	7425.6	7380.5
45°	7845.5	7883.9	8029.5	8085.9	7961.8	7818.4	7912.1	8046.4	8043.0	7906.5	7859.1
47.5°	8327.5	8365.8	8539.7	8614.2	8479.8	8288.0	8420.0	8609.6	8596.1	8446.0	8407.6
50°	8883.9	8924.5	9141.3	9234.9	9109.7	8886.2	9084.8	9251.9	9227.0	9041.9	9045.3
52.5°	9582.6	9580.3	9850.1	10012.6	9883.9	9686.4	9869.3	10031.8	9929.1	9672.9	9665.0
55°	10194.3	10231.6	10565.7	10873.8	10865.9	10790.3	10863.6	10870.4	10576.9	10236.1	10194.3
57.5°	10596.1	10667.2	11137.9	11695.5	12113.1	12213.5	12071.3	11640.2	10952.8	10407.6	10341.1
60°	10349.0	10457.3	11196.6	12333.2	13563.5	14153.8	13351.3	12013.8	10660.5	9900.9	9810.6
62.5°	8680.8	8863.6	9946.0	12025.1	14811.8	16537.6	14279.0	11414.4	9497.9	8451.6	8297.0
65°	5286.8	5479.8	6784.6	9897.5	14609.8	18424.7	13855.8	9474.2	6932.4	5631.0	5464.0
67.5°	1761.9	1818.3	2587.0	5470.8	11482.2	16554.5	11501.3	5671.7	3017.0	2000.0	1941.3
70°	689.6	695.3	820.6	1585.8	5422.2	11370.4	5983.2	1614.0	857.8	678.3	693.0
72.5°	506.8	509.0	544.0	662.5	1413.1	5009.1	1463.9	665.9	529.4	475.2	475.2
75°	407.5	407.5	432.3	483.1	633.2	1149.0	642.2	477.4	414.2	379.2	374.7
77.5°	321.7	328.4	347.6	380.4	428.9	553.1	444.7	378.1	334.1	301.4	294.6
80°	239.3	246.1	277.7	293.5	308.1	383.8	328.4	295.7	264.1	225.7	219.0
82.5°	156.9	163.7	203.2	212.2	208.8	250.6	221.2	217.8	194.1	145.6	138.8
85°	102.7	105.0	135.4	141.1	129.8	114.0	141.1	149.0	135.4	94.8	91.4
87.5°	48.5	48.5	68.9	64.3	58.7	47.4	64.3	75.6	76.8	46.3	45.1
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)