

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: P316831

Luminaire Tested: **GAN-SA7A-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316831
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 34001 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

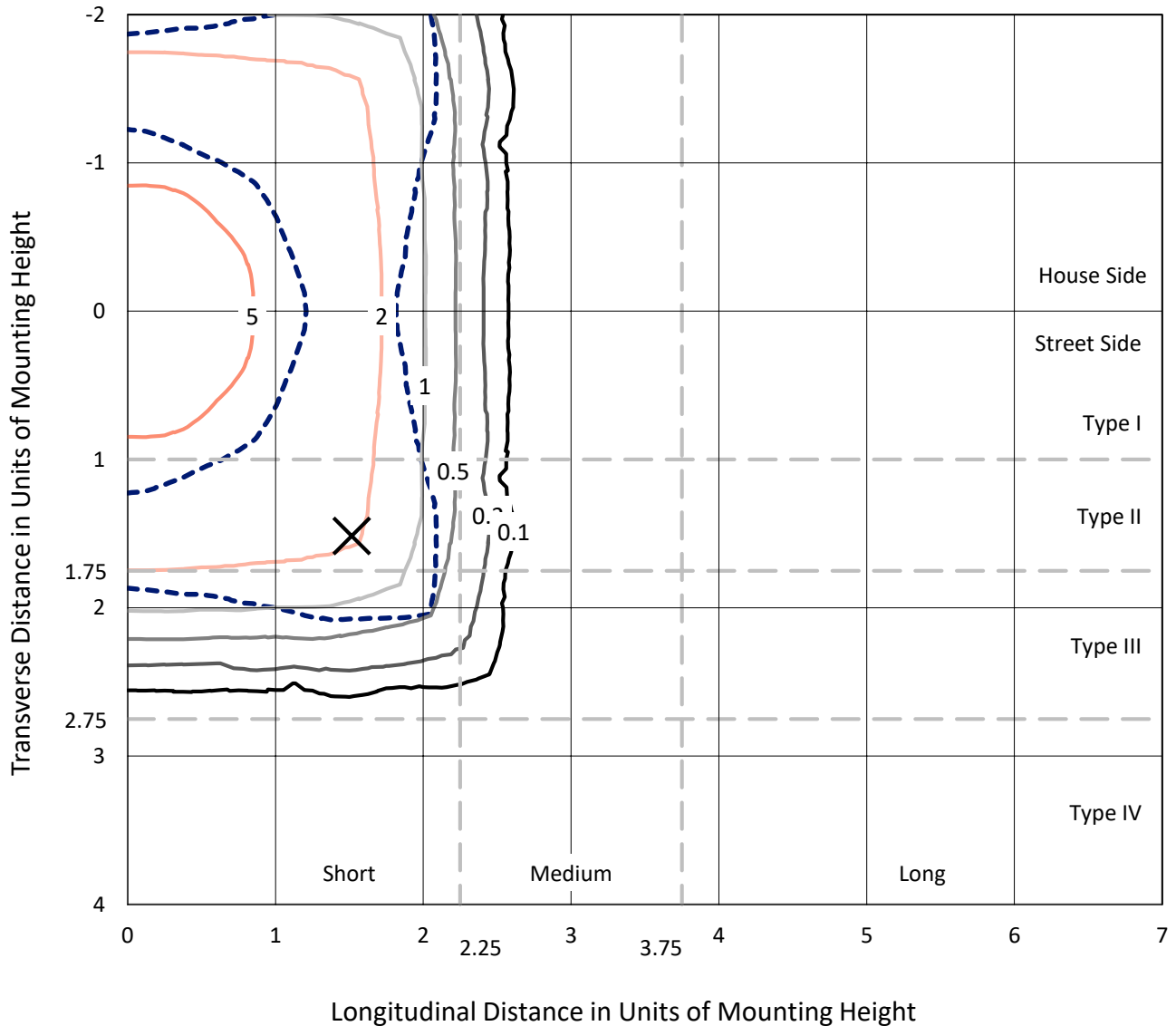
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316831
 CATALOG NUMBER: GAN-SA7A-750-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

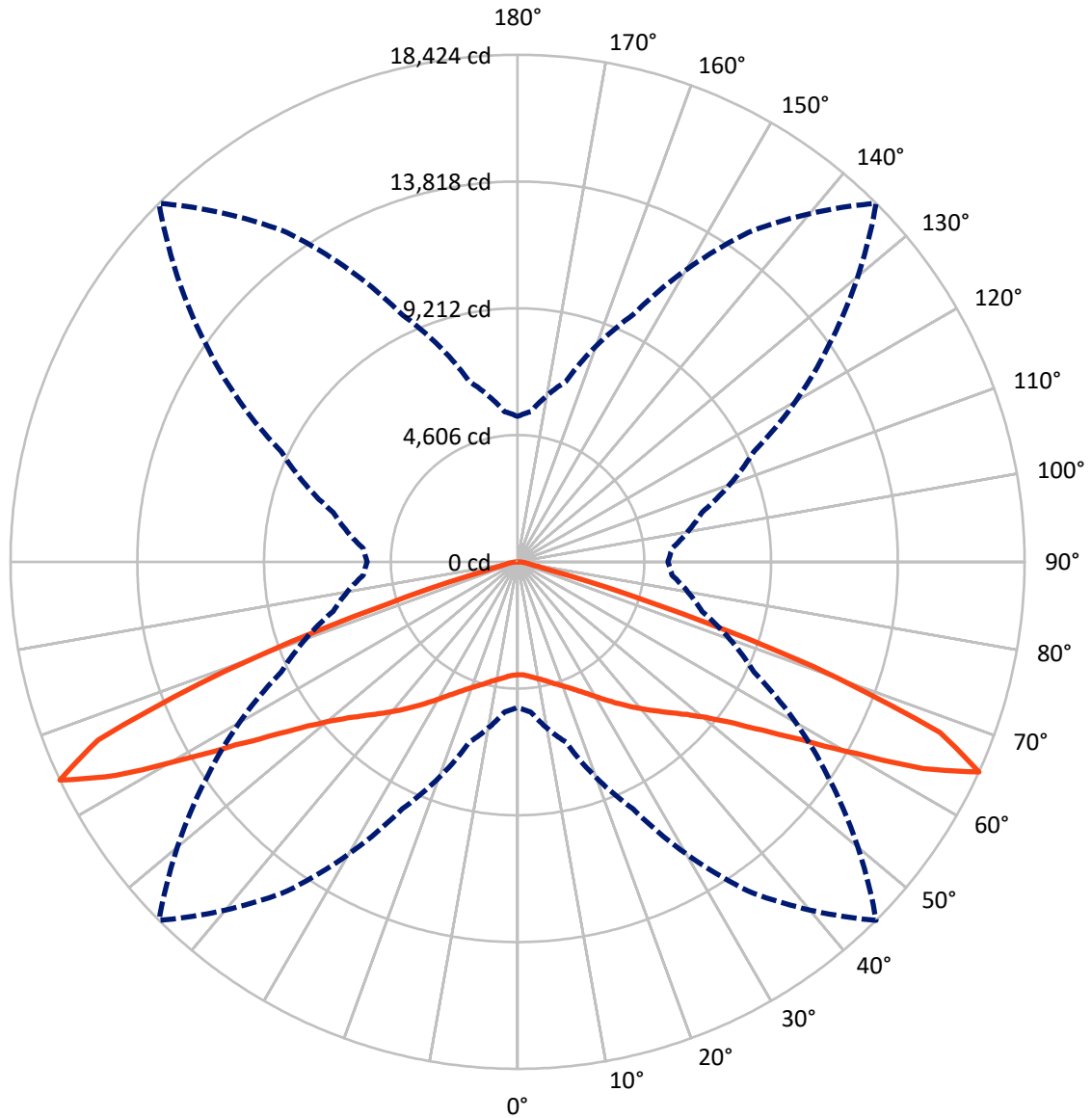
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316831
CATALOG NUMBER: GAN-SA7A-750-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P316831
 CATALOG NUMBER: GAN-SA7A-750-U-5NQ

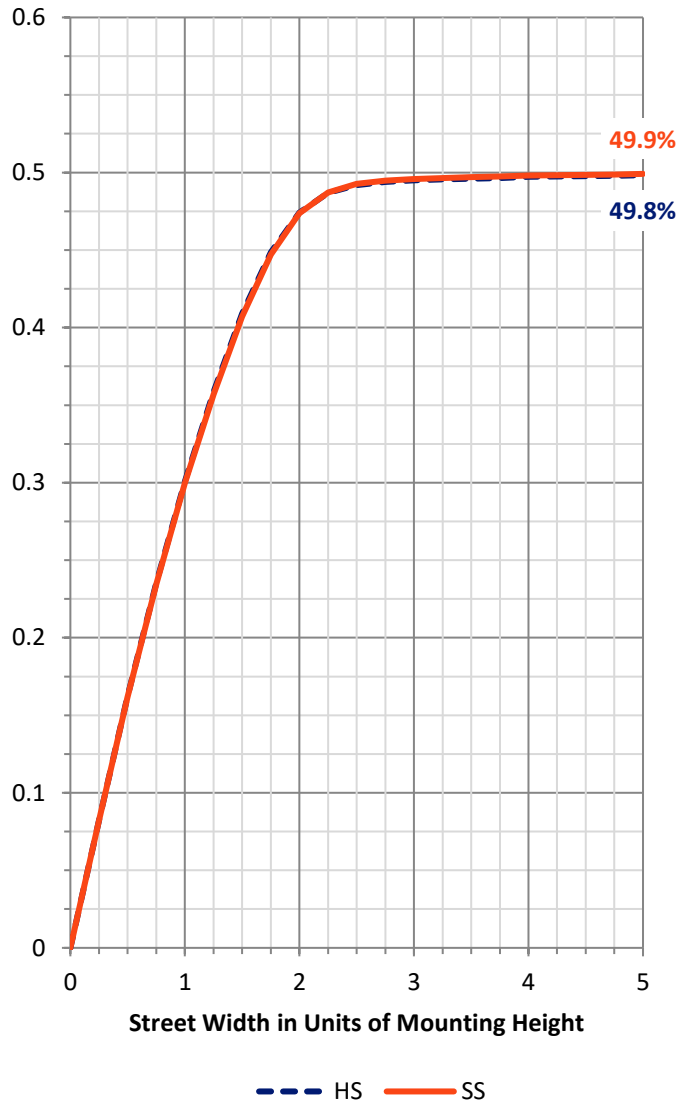
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17000.5	0.0	17000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17000.5	0.0	17000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34001.0	0.0	34001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.8	1.2
10°-20°	1294.9	3.8
20°-30°	2429.5	7.1
30°-40°	4017.8	11.8
40°-50°	6223.1	18.3
50°-60°	9544.5	28.1
60°-70°	8906.1	26.2
70°-80°	1036.5	3.0
80°-90°	145.6	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°	34001.0	100.0
0°-180°	34001.0	100.0

Coefficient of Utilization



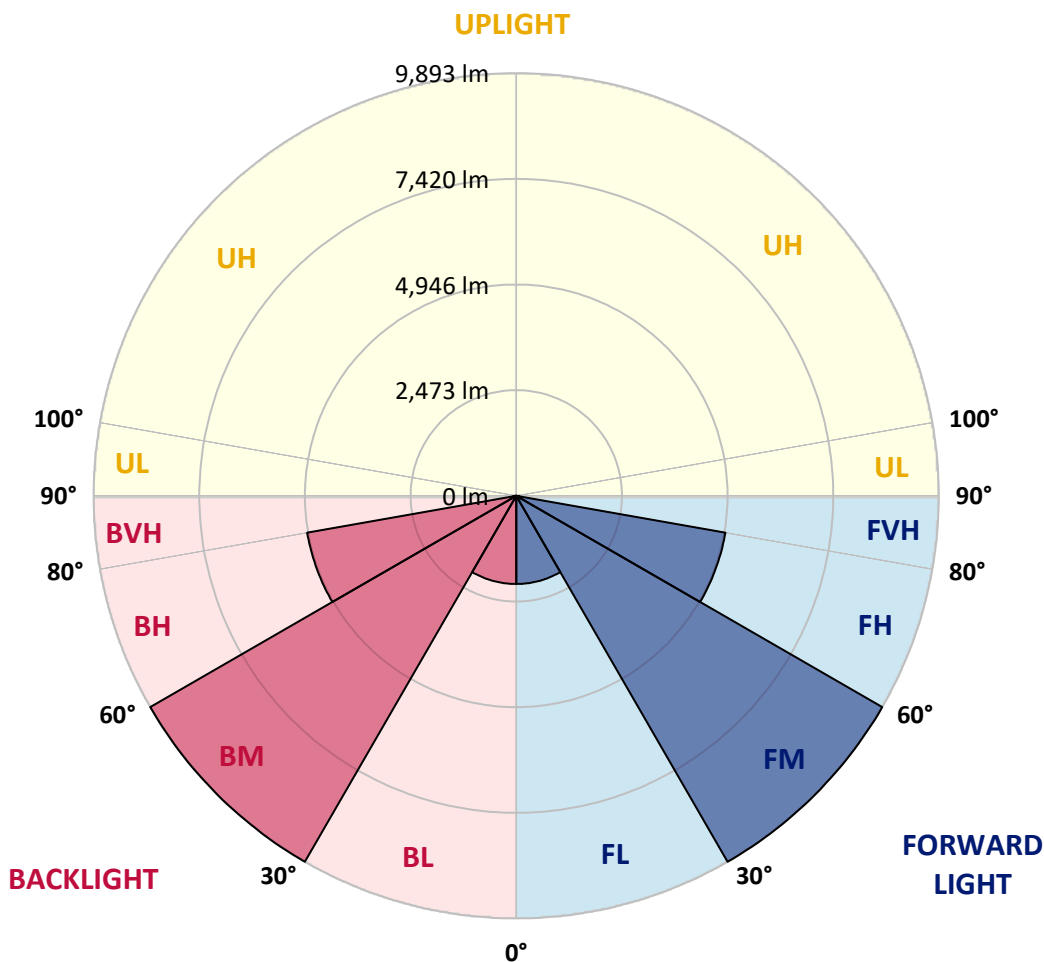
REPORT NUMBER: P316831
 CATALOG NUMBER: GAN-SA7A-750-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2063.6	6.1			
FM (30°-60°)	9892.7	29.1			
FH (60°-80°)	4971.3	14.6			G2/5000
FVH (80°-90°)	72.8	0.2			G1/100
BL (0°-30°)	2063.6	6.1	B3/2500		
BM (30°-60°)	9892.7	29.1	B5		
BH (60°-80°)	4971.3	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





REPORT NUMBER: P316831
 CATALOG NUMBER: GAN-SA7A-750-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1	4106.1
2.5°	4119.6	4117.3	4119.6	4120.7	4114.0	4117.3	4116.2	4121.9	4124.1	4121.9	4121.9
5°	4167.0	4163.6	4168.1	4173.8	4164.7	4167.0	4163.6	4170.4	4172.6	4168.1	4171.5
7.5°	4232.5	4233.6	4238.1	4248.3	4242.6	4247.1	4240.4	4241.5	4240.4	4233.6	4234.7
10°	4303.6	4304.7	4312.6	4326.1	4328.4	4328.4	4323.9	4320.5	4316.0	4311.5	4312.6
12.5°	4389.3	4395.0	4400.6	4417.6	4417.6	4426.6	4424.3	4415.3	4407.4	4400.6	4400.6
15°	4505.6	4504.5	4511.2	4528.2	4536.1	4550.7	4550.7	4538.3	4528.2	4521.4	4519.1
17.5°	4627.5	4630.9	4635.4	4655.7	4668.1	4685.1	4687.3	4677.2	4670.4	4661.4	4655.7
20°	4769.7	4775.3	4793.4	4801.3	4812.6	4828.4	4834.0	4831.8	4825.0	4820.5	4821.6
22.5°	4935.6	4950.3	4961.6	4972.9	4986.4	4997.7	5003.3	5011.2	5004.5	5001.1	4998.8
25°	5136.5	5146.7	5169.2	5189.6	5198.6	5202.0	5208.7	5220.0	5218.9	5211.0	5211.0
27.5°	5364.5	5383.7	5411.9	5441.3	5441.3	5430.0	5452.5	5471.7	5465.0	5454.8	5441.3
30°	5641.0	5659.1	5691.8	5732.4	5712.1	5704.2	5734.7	5769.7	5759.5	5742.6	5740.3
32.5°	5939.0	5955.9	5998.8	6042.8	6016.9	6005.6	6038.3	6089.1	6071.0	6037.2	6016.9
35°	6261.8	6278.7	6339.7	6392.7	6348.7	6329.5	6356.6	6411.9	6380.3	6317.1	6301.3
37.5°	6612.8	6621.8	6700.8	6755.0	6724.5	6673.7	6707.6	6748.2	6721.1	6644.4	6613.9
40°	6977.4	7010.1	7101.5	7164.7	7111.7	7031.5	7088.0	7144.4	7103.8	7005.6	6953.7
42.5°	7402.9	7427.7	7549.6	7606.0	7520.2	7407.4	7484.1	7560.9	7520.2	7425.4	7380.3
45°	7845.3	7883.7	8029.3	8085.7	7961.5	7818.2	7911.9	8046.2	8042.8	7906.2	7858.8
47.5°	8327.2	8365.6	8539.4	8613.9	8479.6	8287.7	8419.8	8609.4	8595.8	8445.7	8407.4
50°	8883.7	8924.3	9141.0	9234.7	9109.4	8885.9	9084.6	9251.6	9226.8	9041.7	9045.1
52.5°	9582.3	9580.0	9849.8	10012.3	9883.6	9686.1	9869.0	10031.5	9928.8	9672.6	9664.7
55°	10194.0	10231.3	10565.4	10873.5	10865.6	10790.0	10863.3	10870.1	10576.6	10235.8	10194.0
57.5°	10595.8	10666.9	11137.6	11695.1	12112.7	12213.2	12071.0	11639.8	10952.5	10407.3	10340.7
60°	10348.6	10457.0	11196.3	12332.8	13563.1	14153.3	13350.9	12013.4	10660.2	9900.6	9810.3
62.5°	8680.5	8863.3	9945.7	12024.7	14811.4	16537.1	14278.6	11414.1	9497.6	8451.4	8296.8
65°	5286.6	5479.6	6784.4	9897.2	14609.3	18424.2	13855.4	9473.9	6932.2	5630.9	5463.8
67.5°	1761.8	1818.3	2586.9	5470.6	11481.8	16554.0	11501.0	5671.5	3016.9	2000.0	1941.3
70°	689.6	695.3	820.5	1585.8	5422.1	11370.1	5983.0	1614.0	857.8	678.3	693.0
72.5°	506.8	509.0	544.0	662.5	1413.1	5009.0	1463.9	665.9	529.3	475.2	475.2
75°	407.4	407.4	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	553.0	444.7	378.1	334.1	301.4	294.6
80°	239.3	246.0	277.6	293.5	308.1	383.7	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	68.8	64.3	58.7	47.4	64.3	75.6	76.7	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)