

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: P316813

Luminaire Tested: **GAN-SA9C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316813
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-SA9C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65226 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

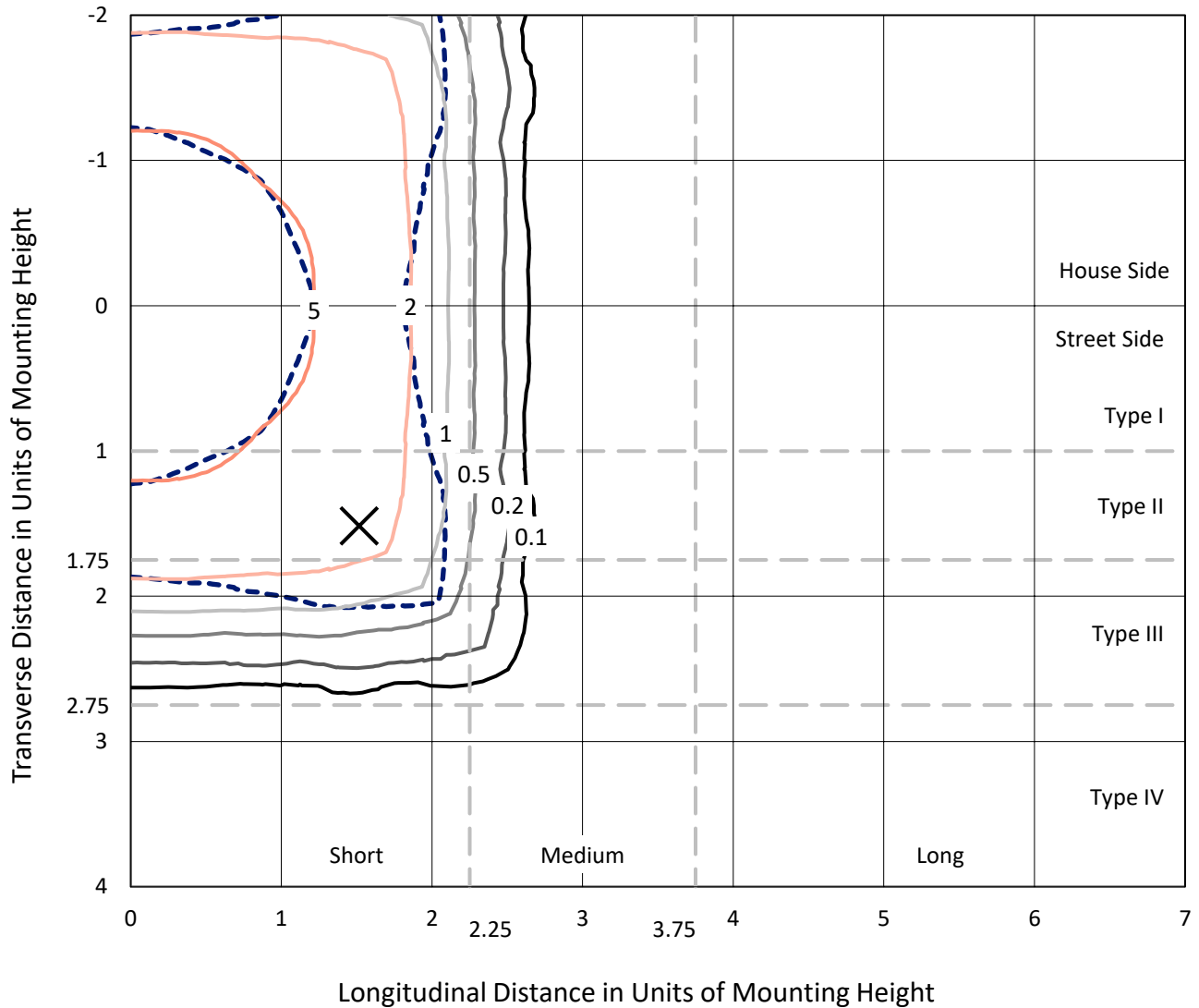
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316813
 CATALOG NUMBER: GAN-SA9C-740-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

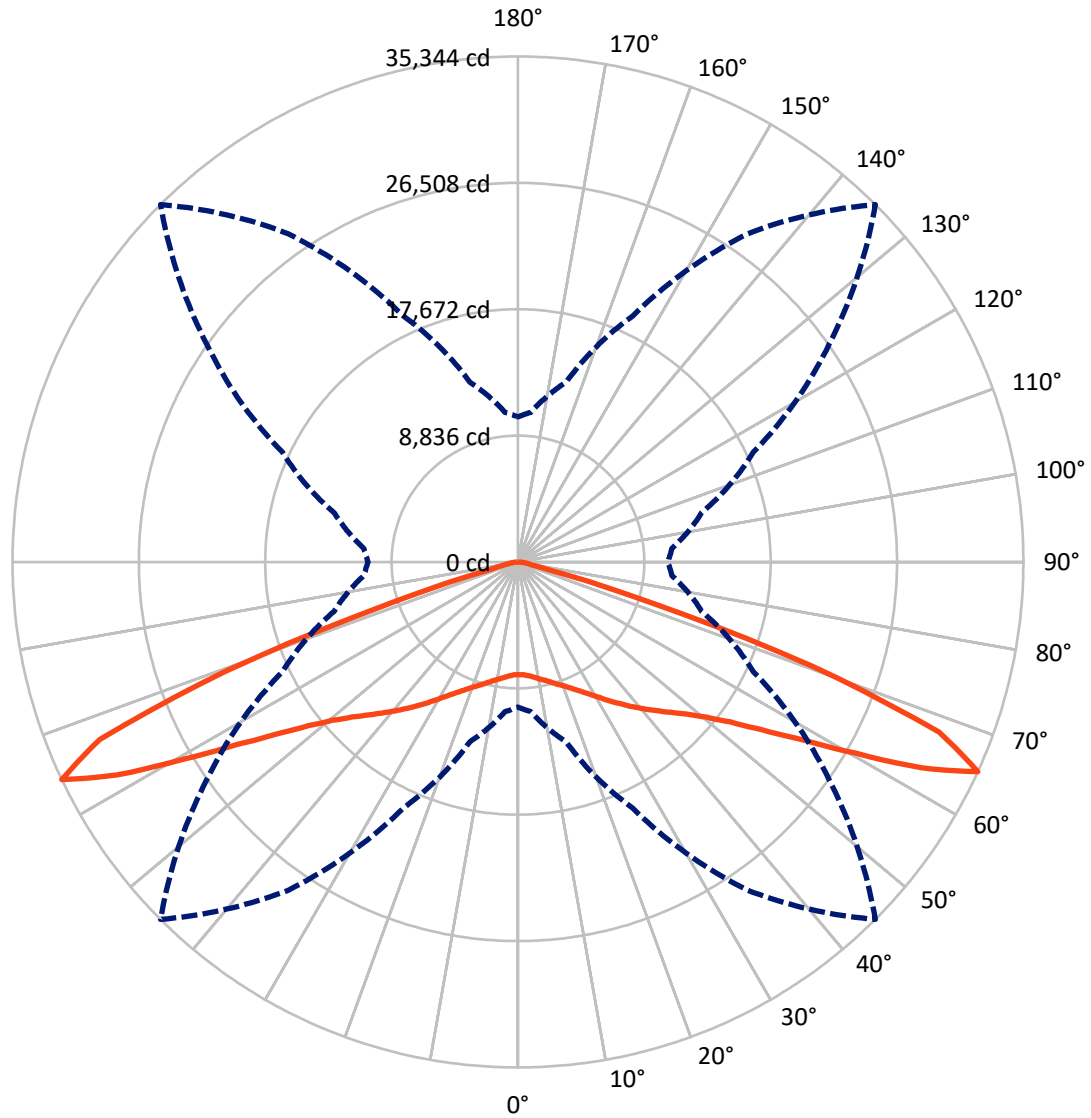
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316813
CATALOG NUMBER: GAN-SA9C-740-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316813
 CATALOG NUMBER: GAN-SA9C-740-U-5NQ

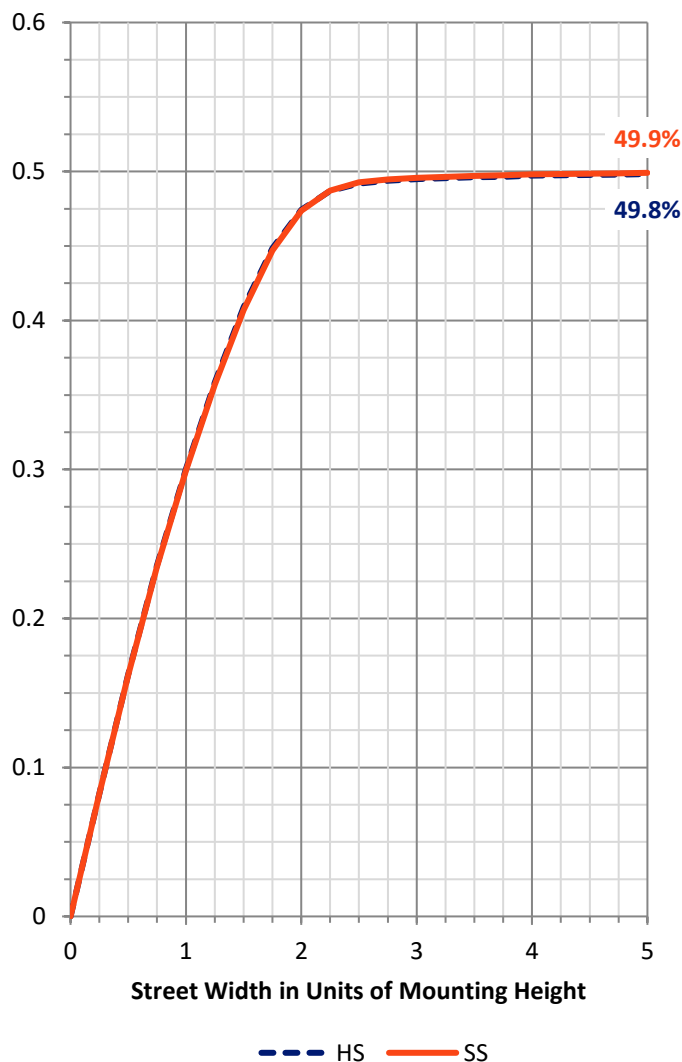
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32613.0	0.0	32613.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32613.0	0.0	32613.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65226.0	0.0	65226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.8	1.2
10°-20°	2484.1	3.8
20°-30°	4660.6	7.1
30°-40°	7707.7	11.8
40°-50°	11938.2	18.3
50°-60°	18309.8	28.1
60°-70°	17085.1	26.2
70°-80°	1988.5	3.0
80°-90°	279.4	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°	65226.0	100.0
0°-180°	65226.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316813

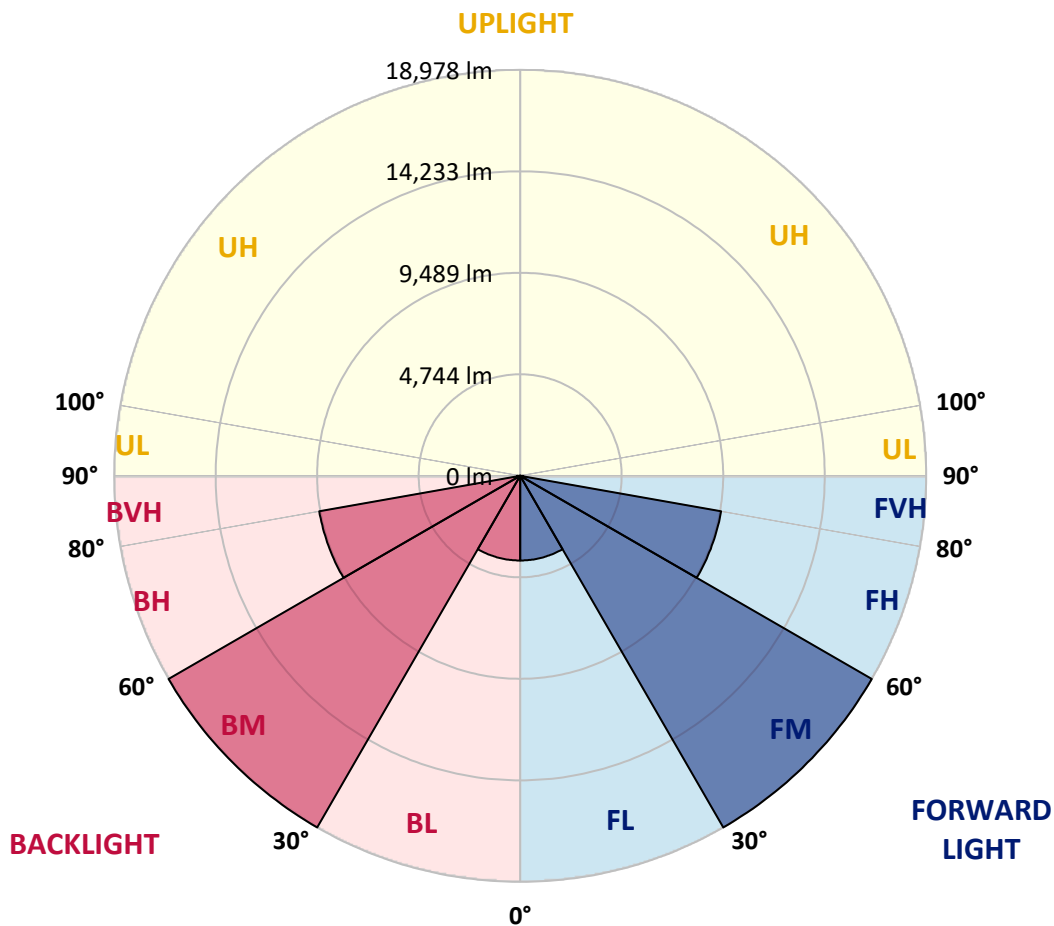
CATALOG NUMBER: GAN-SA9C-740-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3958.7	6.1			
FM (30°-60°)	18977.8	29.1			
FH (60°-80°)	9536.8	14.6			G4/12000
FVH (80°-90°)	139.7	0.2			G2/225
BL (0°-30°)	3958.7	6.1	B4/5000		
BM (30°-60°)	18977.8	29.1	B5		
BH (60°-80°)	9536.8	14.6	B5		G4/12000
BVH (80°-90°)	139.7	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P316813
 CATALOG NUMBER: GAN-SA9C-740-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9	7876.9
2.5°	7902.8	7898.5	7902.8	7905.0	7892.0	7898.5	7896.4	7907.2	7911.5	7907.2	7907.2
5°	7993.8	7987.3	7995.9	8006.8	7989.5	7993.8	7987.3	8000.3	8004.6	7995.9	8002.4
7.5°	8119.4	8121.5	8130.2	8149.7	8138.9	8147.5	8134.5	8136.7	8134.5	8121.5	8123.7
10°	8255.8	8257.9	8273.1	8299.1	8303.4	8303.4	8294.7	8288.2	8279.6	8270.9	8273.1
12.5°	8420.3	8431.1	8442.0	8474.5	8474.5	8491.8	8487.4	8470.1	8455.0	8442.0	8442.0
15°	8643.3	8641.2	8654.2	8686.6	8701.8	8729.9	8729.9	8706.1	8686.6	8673.6	8669.3
17.5°	8877.2	8883.7	8892.3	8931.3	8955.1	8987.6	8991.9	8972.4	8959.4	8942.1	8931.3
20°	9150.0	9160.8	9195.5	9210.6	9232.3	9262.6	9273.4	9269.1	9256.1	9247.4	9249.6
22.5°	9468.3	9496.4	9518.1	9539.7	9565.7	9587.3	9598.2	9613.3	9600.3	9593.8	9589.5
25°	9853.7	9873.1	9916.4	9955.4	9972.7	9979.2	9992.2	10013.9	10011.7	9996.6	9996.6
27.5°	10291.0	10327.8	10382.0	10438.3	10438.3	10416.6	10459.9	10496.7	10483.7	10464.2	10438.3
30°	10821.5	10856.1	10918.9	10996.9	10957.9	10942.7	11001.2	11068.3	11048.8	11016.4	11012.0
32.5°	11393.1	11425.6	11507.8	11592.3	11542.5	11520.8	11583.6	11681.1	11646.4	11581.5	11542.5
35°	12012.3	12044.8	12161.7	12263.5	12179.0	12142.2	12194.2	12300.3	12239.7	12118.4	12088.1
37.5°	12685.7	12703.0	12854.6	12958.5	12900.0	12802.6	12867.6	12945.5	12893.5	12746.3	12687.9
40°	13385.0	13447.8	13623.2	13744.5	13642.7	13489.0	13597.2	13705.5	13627.5	13439.2	13339.6
42.5°	14201.3	14248.9	14482.8	14591.0	14426.5	14210.0	14357.2	14504.4	14426.5	14244.6	14158.0
45°	15050.1	15123.7	15403.0	15511.2	15273.1	14998.1	15177.8	15435.5	15429.0	15167.0	15076.0
47.5°	15974.6	16048.2	16381.6	16524.5	16266.9	15898.8	16152.1	16515.9	16489.9	16201.9	16128.3
50°	17042.0	17119.9	17535.7	17715.4	17475.0	17046.3	17427.4	17747.8	17700.2	17345.1	17351.6
52.5°	18382.2	18377.9	18895.4	19207.2	18960.3	18581.4	18932.2	19244.0	19046.9	18555.5	18540.3
55°	19555.8	19627.2	20268.1	20859.2	20844.0	20699.0	20839.7	20852.7	20289.7	19635.9	19555.8
57.5°	20326.6	20463.0	21365.8	22435.4	23236.5	23429.2	23156.4	22329.3	21010.7	19965.0	19837.2
60°	19852.4	20060.2	21478.4	23658.7	26018.8	27151.2	25611.7	23046.0	20450.0	18992.8	18819.6
62.5°	16652.3	17003.0	19079.4	23067.7	28413.4	31724.0	27391.5	21896.3	18219.9	16212.7	15916.1
65°	10141.6	10511.9	13014.8	18986.3	28025.9	35344.1	26579.5	18174.4	13298.4	10802.0	10481.6
67.5°	3379.8	3488.1	4962.6	10494.5	22026.2	31756.5	22063.0	10879.9	5787.5	3836.7	3724.1
70°	1322.9	1333.7	1574.1	3042.1	10401.4	21811.9	11477.5	3096.2	1645.5	1301.3	1329.4
72.5°	972.2	976.5	1043.6	1271.0	2710.8	9609.0	2808.2	1277.4	1015.5	911.5	911.5
75°	781.6	781.6	829.3	926.7	1214.7	2204.1	1232.0	915.9	794.6	727.5	718.8
77.5°	617.1	630.1	666.9	729.7	822.8	1060.9	853.1	725.3	640.9	578.1	565.1
80°	459.0	472.0	532.6	562.9	591.1	736.2	630.1	567.3	506.6	433.0	420.0
82.5°	301.0	313.9	389.7	407.1	400.6	480.7	424.4	417.9	372.4	279.3	266.3
85°	197.0	201.4	259.8	270.6	249.0	218.7	270.6	285.8	259.8	181.9	175.4
87.5°	93.1	93.1	132.1	123.4	112.6	90.9	123.4	145.1	147.2	88.8	86.6
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)