

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: P316749

Luminaire Tested: **GAN-SA5A-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316749
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-SA5A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 21880 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

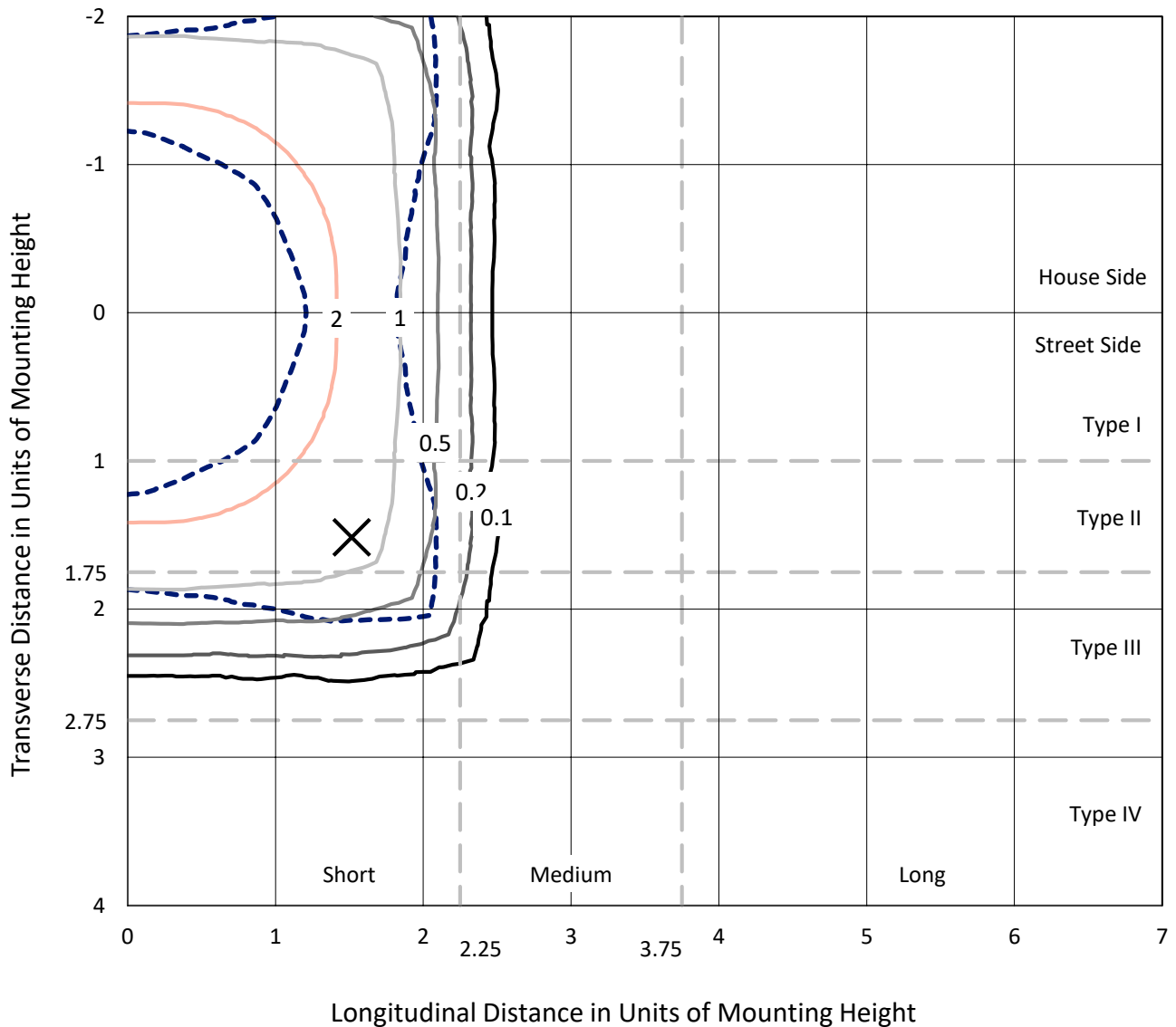
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316749
 CATALOG NUMBER: GAN-SA5A-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

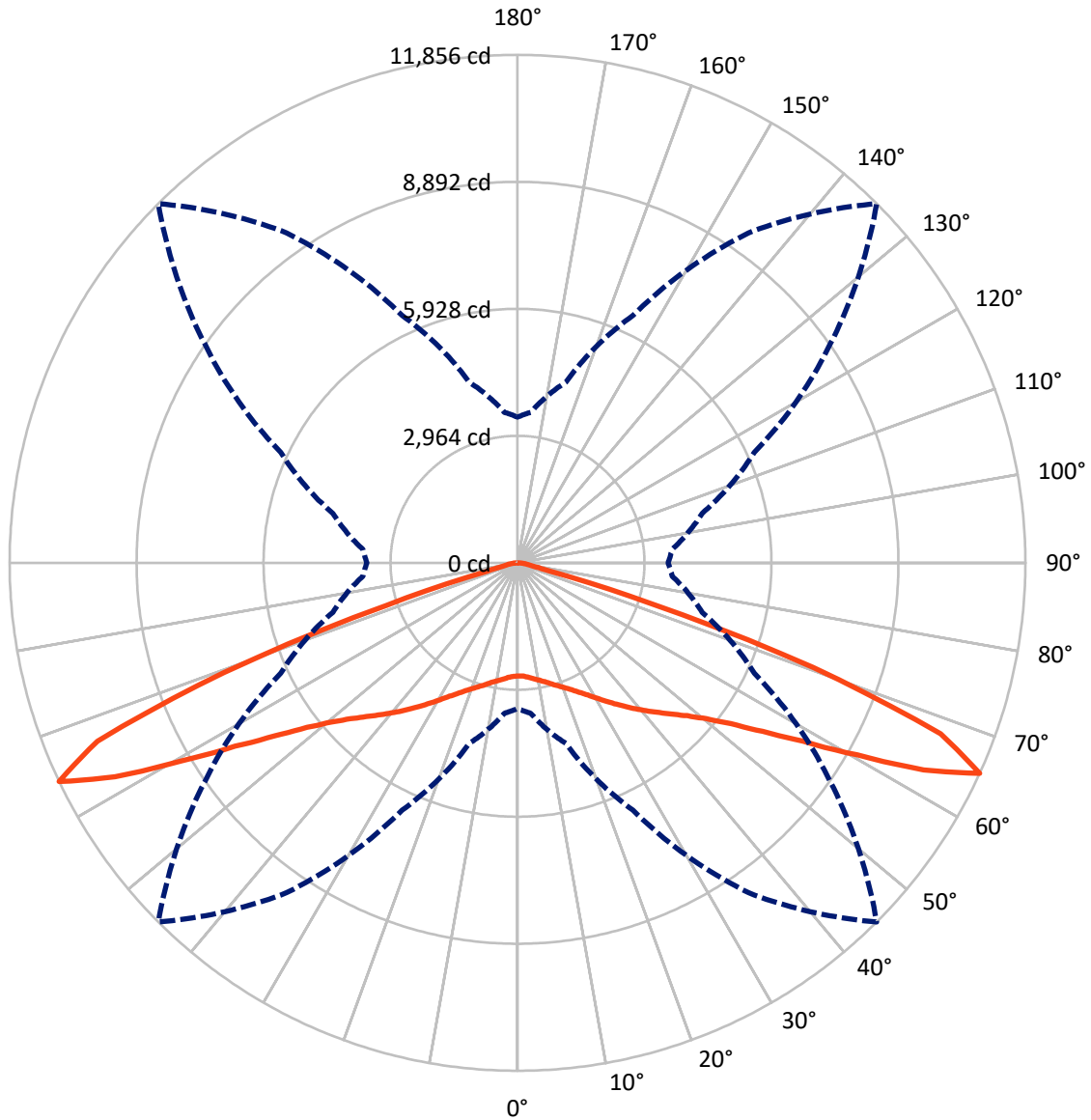
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P316749
CATALOG NUMBER: GAN-SA5A-730-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316749
 CATALOG NUMBER: GAN-SA5A-730-U-5NQ

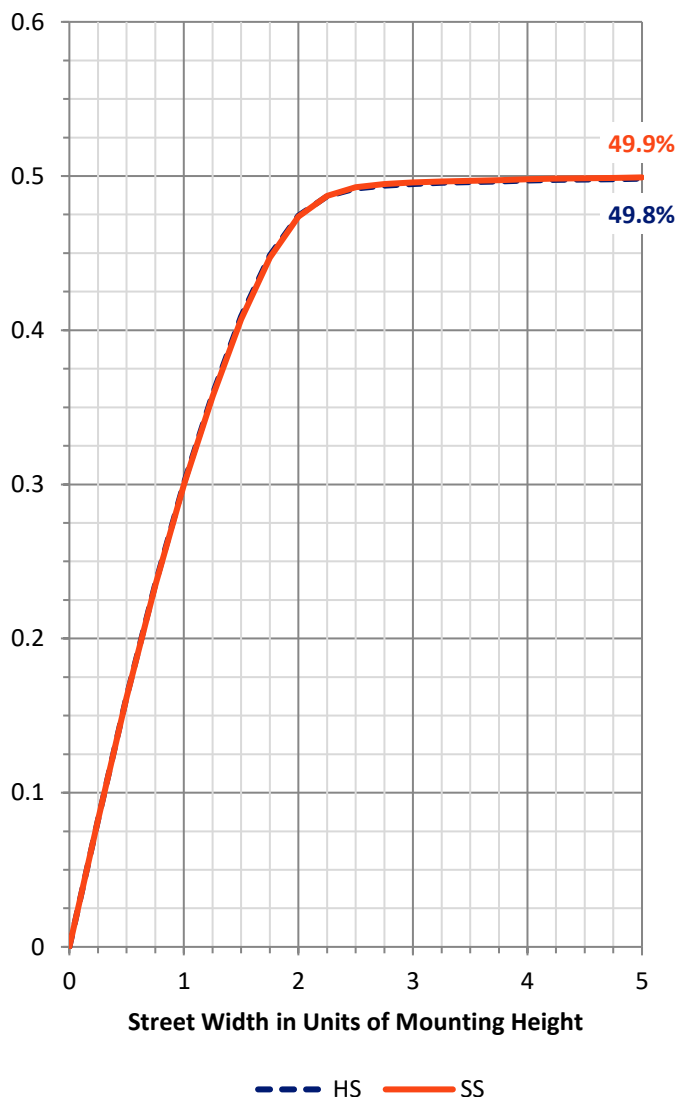
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10940.0	0.0	10940.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10940.0	0.0	10940.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21880.0	0.0	21880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.2	1.2
10°-20°	833.3	3.8
20°-30°	1563.4	7.1
30°-40°	2585.5	11.8
40°-50°	4004.6	18.3
50°-60°	6142.0	28.1
60°-70°	5731.2	26.2
70°-80°	667.0	3.0
80°-90°	93.7	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°	21880.0	100.0
0°-180°	21880.0	100.0

Coefficient of Utilization



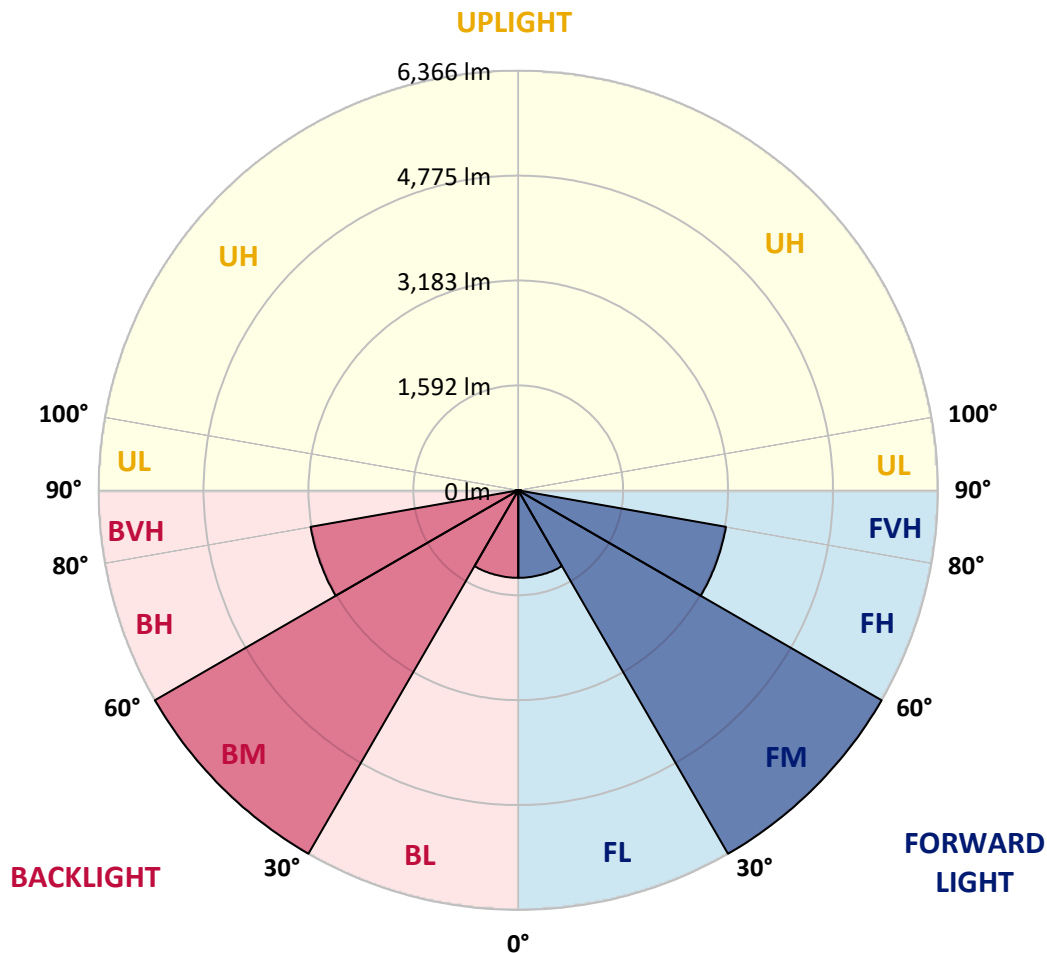
REPORT NUMBER: P316749
 CATALOG NUMBER: GAN-SA5A-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.0	6.1			
FM (30°-60°)	6366.1	29.1			
FH (60°-80°)	3199.1	14.6			G2/5000
FVH (80°-90°)	46.9	0.2			G1/100
BL (0°-30°)	1328.0	6.1	B3/2500		
BM (30°-60°)	6366.1	29.1	B4/8500		
BH (60°-80°)	3199.1	14.6	B4/5000		G2/5000
BVH (80°-90°)	46.9	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





REPORT NUMBER: P316749

CATALOG NUMBER: GAN-SA5A-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3	2642.3
2.5°	2651.0	2649.6	2651.0	2651.7	2647.4	2649.6	2648.8	2652.5	2653.9	2652.5	2652.5
5°	2681.5	2679.3	2682.2	2685.9	2680.1	2681.5	2679.3	2683.7	2685.1	2682.2	2684.4
7.5°	2723.6	2724.4	2727.3	2733.8	2730.2	2733.1	2728.7	2729.4	2728.7	2724.4	2725.1
10°	2769.4	2770.1	2775.2	2783.9	2785.4	2785.4	2782.5	2780.3	2777.4	2774.5	2775.2
12.5°	2824.6	2828.2	2831.9	2842.7	2842.7	2848.6	2847.1	2841.3	2836.2	2831.9	2831.9
15°	2899.4	2898.7	2903.0	2913.9	2919.0	2928.5	2928.5	2920.5	2913.9	2909.6	2908.1
17.5°	2977.8	2980.0	2982.9	2996.0	3004.0	3014.9	3016.3	3009.8	3005.4	2999.6	2996.0
20°	3069.4	3073.0	3084.6	3089.7	3097.0	3107.1	3110.8	3109.3	3104.9	3102.0	3102.8
22.5°	3176.1	3185.6	3192.8	3200.1	3208.8	3216.1	3219.7	3224.8	3220.4	3218.2	3216.8
25°	3305.4	3311.9	3326.5	3339.5	3345.3	3347.5	3351.9	3359.1	3358.4	3353.3	3353.3
27.5°	3452.1	3464.5	3482.6	3501.5	3501.5	3494.2	3508.8	3521.1	3516.8	3510.2	3501.5
30°	3630.1	3641.7	3662.7	3688.9	3675.8	3670.7	3690.3	3712.9	3706.3	3695.4	3694.0
32.5°	3821.8	3832.7	3860.3	3888.6	3871.9	3864.7	3885.7	3918.4	3906.8	3885.0	3871.9
35°	4029.5	4040.4	4079.6	4113.8	4085.4	4073.1	4090.5	4126.1	4105.8	4065.1	4054.9
37.5°	4255.4	4261.2	4312.1	4346.9	4327.3	4294.6	4316.4	4342.6	4325.1	4275.7	4256.1
40°	4490.0	4511.1	4569.9	4610.6	4576.4	4524.9	4561.2	4597.5	4571.3	4508.2	4474.7
42.5°	4763.8	4779.8	4858.2	4894.5	4839.4	4766.7	4816.1	4865.5	4839.4	4778.3	4749.3
45°	5048.5	5073.2	5166.9	5203.2	5123.3	5031.1	5091.4	5177.8	5175.6	5087.7	5057.2
47.5°	5358.7	5383.4	5495.2	5543.1	5456.7	5333.2	5418.2	5540.2	5531.5	5434.9	5410.2
50°	5716.7	5742.9	5882.3	5942.6	5862.0	5718.2	5846.0	5953.5	5937.5	5818.4	5820.6
52.5°	6166.3	6164.9	6338.4	6443.0	6360.2	6233.1	6350.8	6455.4	6389.3	6224.4	6219.3
55°	6560.0	6583.9	6798.9	6997.2	6992.1	6943.4	6990.7	6995.0	6806.2	6586.8	6560.0
57.5°	6818.5	6864.3	7167.1	7525.9	7794.7	7859.3	7767.8	7490.4	7048.0	6697.2	6654.4
60°	6659.5	6729.2	7204.9	7936.3	8728.0	9107.8	8591.4	7730.8	6859.9	6371.1	6313.0
62.5°	5586.0	5703.7	6400.2	7738.0	9531.3	10641.8	9188.4	7345.1	6111.8	5438.6	5339.0
65°	3402.0	3526.2	4365.8	6368.9	9401.3	11856.2	8916.1	6096.6	4460.9	3623.5	3516.0
67.5°	1133.8	1170.1	1664.7	3520.4	7388.7	10652.7	7401.0	3649.7	1941.4	1287.0	1249.2
70°	443.8	447.4	528.0	1020.5	3489.2	7316.8	3850.1	1038.6	552.0	436.5	445.9
72.5°	326.1	327.6	350.1	426.3	909.3	3223.3	942.0	428.5	340.6	305.8	305.8
75°	262.2	262.2	278.2	310.9	407.5	739.4	413.3	307.2	266.6	244.0	241.1
77.5°	207.0	211.4	223.7	244.8	276.0	355.9	286.2	243.3	215.0	193.9	189.6
80°	154.0	158.3	178.7	188.8	198.3	246.9	211.4	190.3	170.0	145.3	140.9
82.5°	101.0	105.3	130.7	136.5	134.4	161.2	142.4	140.2	124.9	93.7	89.3
85°	66.1	67.5	87.2	90.8	83.5	73.4	90.8	95.9	87.2	61.0	58.8
87.5°	31.2	31.2	44.3	41.4	37.8	30.5	41.4	48.7	49.4	29.8	29.1
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)