

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: P316139

Luminaire Tested: **GAN-SA5D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37200 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

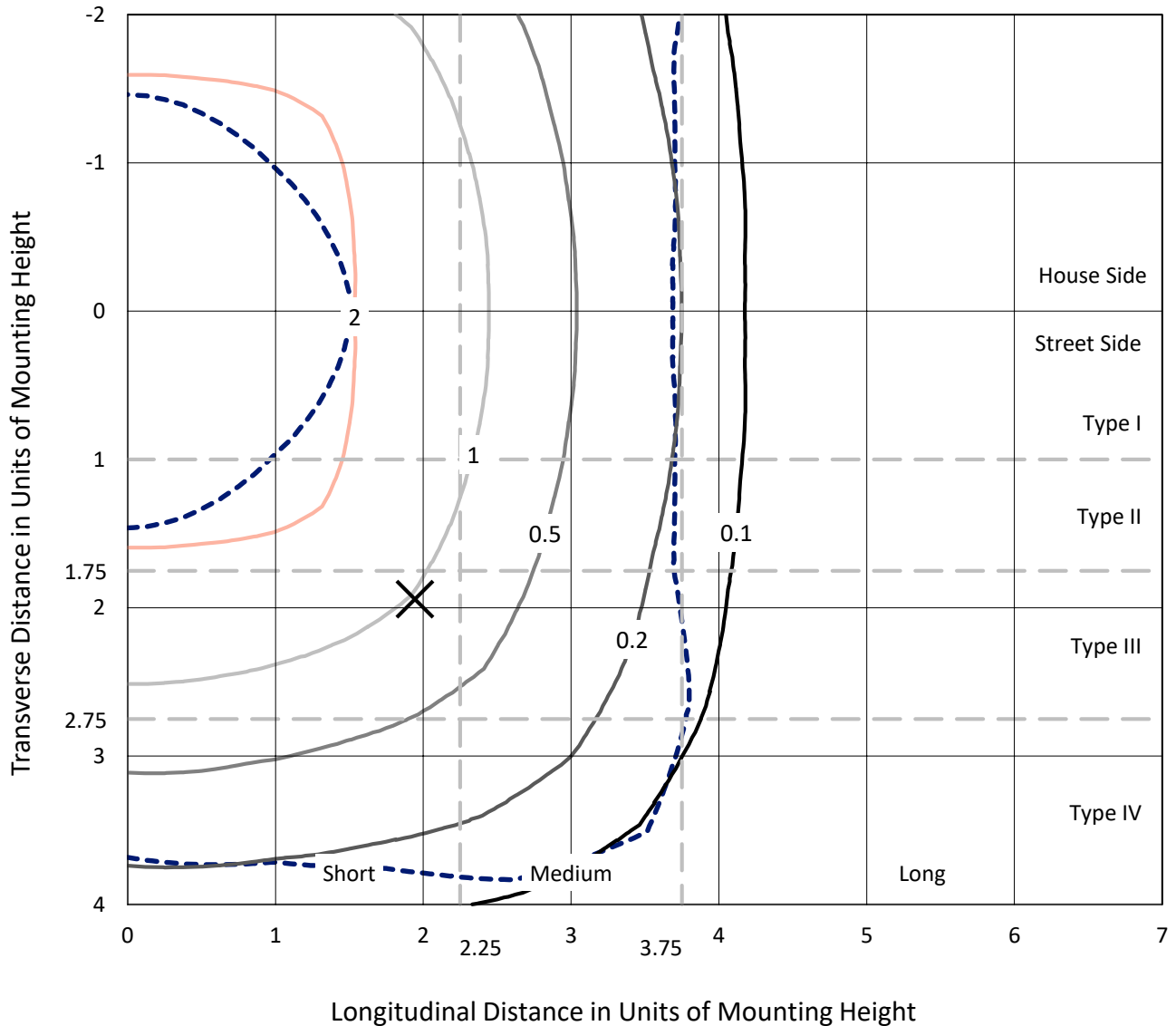
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316139
 CATALOG NUMBER: GAN-SA5D-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

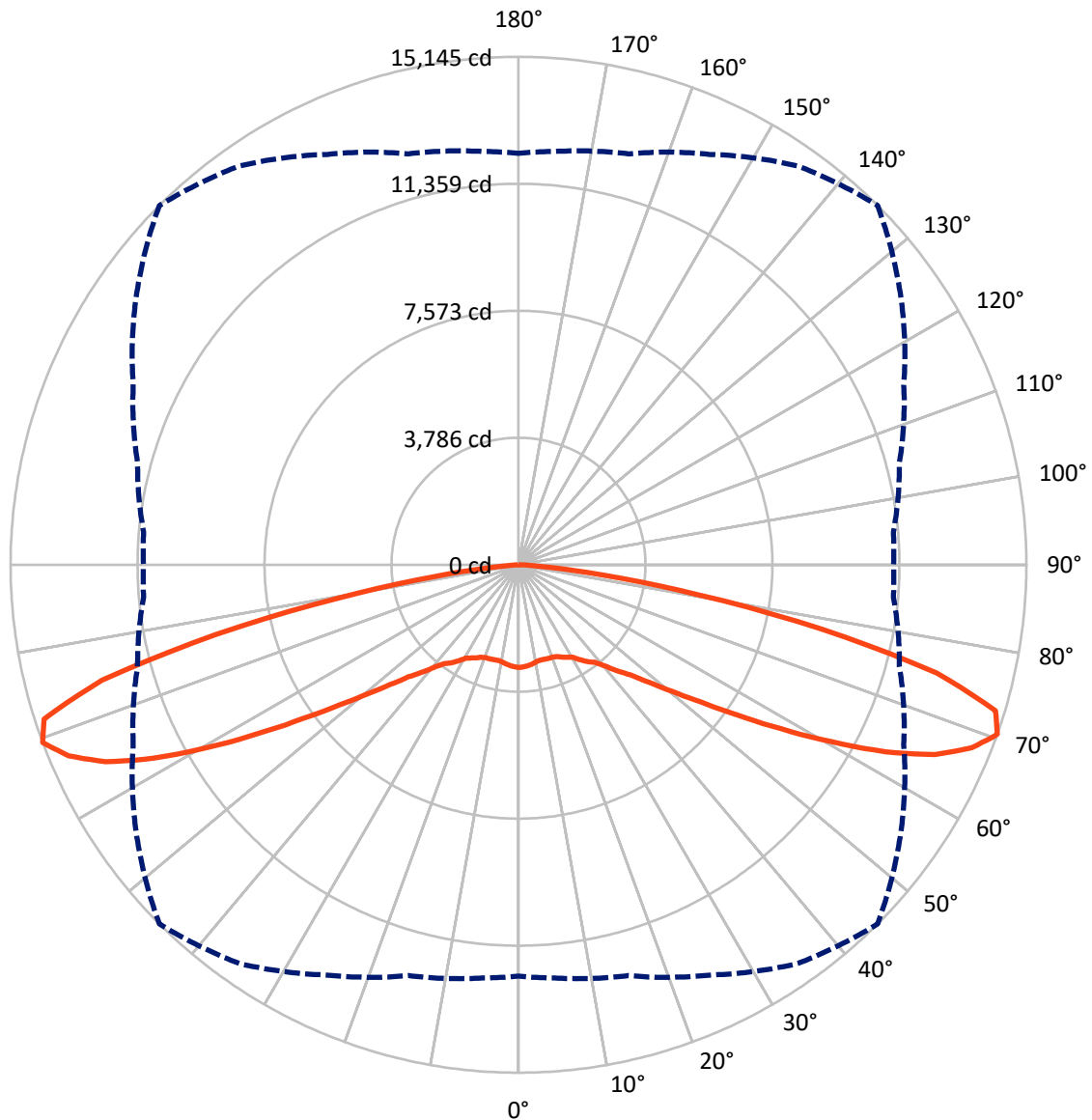
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P316139
CATALOG NUMBER: GAN-SA5D-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P316139
 CATALOG NUMBER: GAN-SA5D-730-U-5WQ

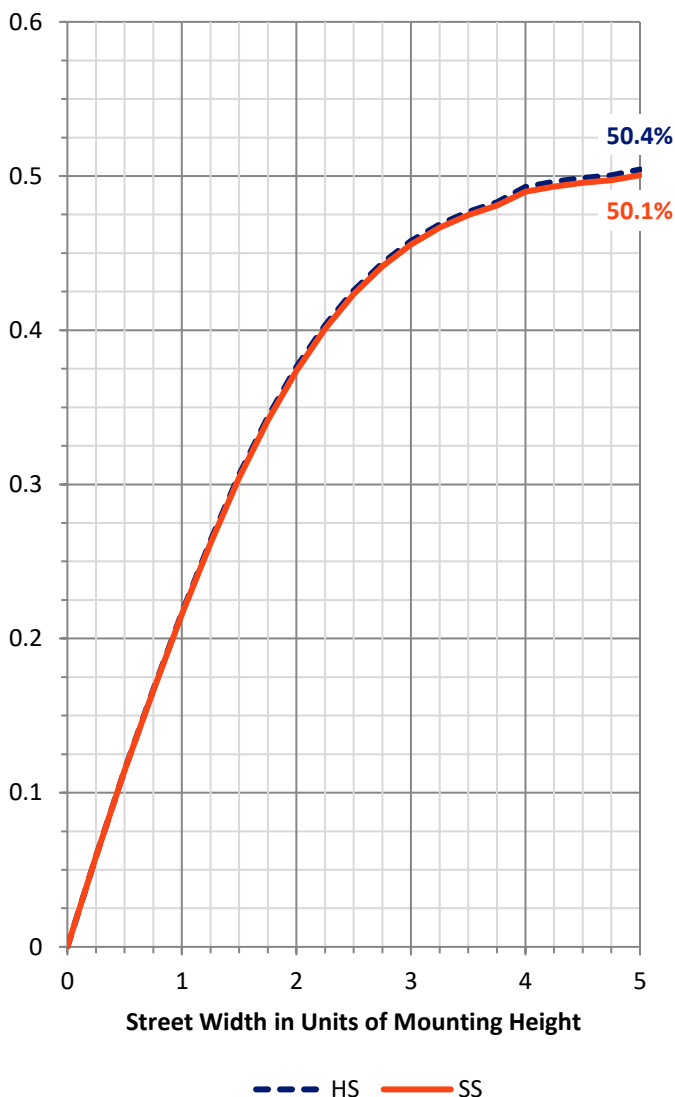
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18600.0	0.0	18600.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18600.0	0.0	18600.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37200.0	0.0	37200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.8	0.8
10°-20°	834.7	2.2
20°-30°	1423.1	3.8
30°-40°	2223.6	6.0
40°-50°	3768.5	10.1
50°-60°	6872.2	18.5
60°-70°	11831.0	31.8
70°-80°	9273.6	24.9
80°-90°	687.6	1.8
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°	37200.0	100.0
0°-180°	37200.0	100.0

Coefficient of Utilization

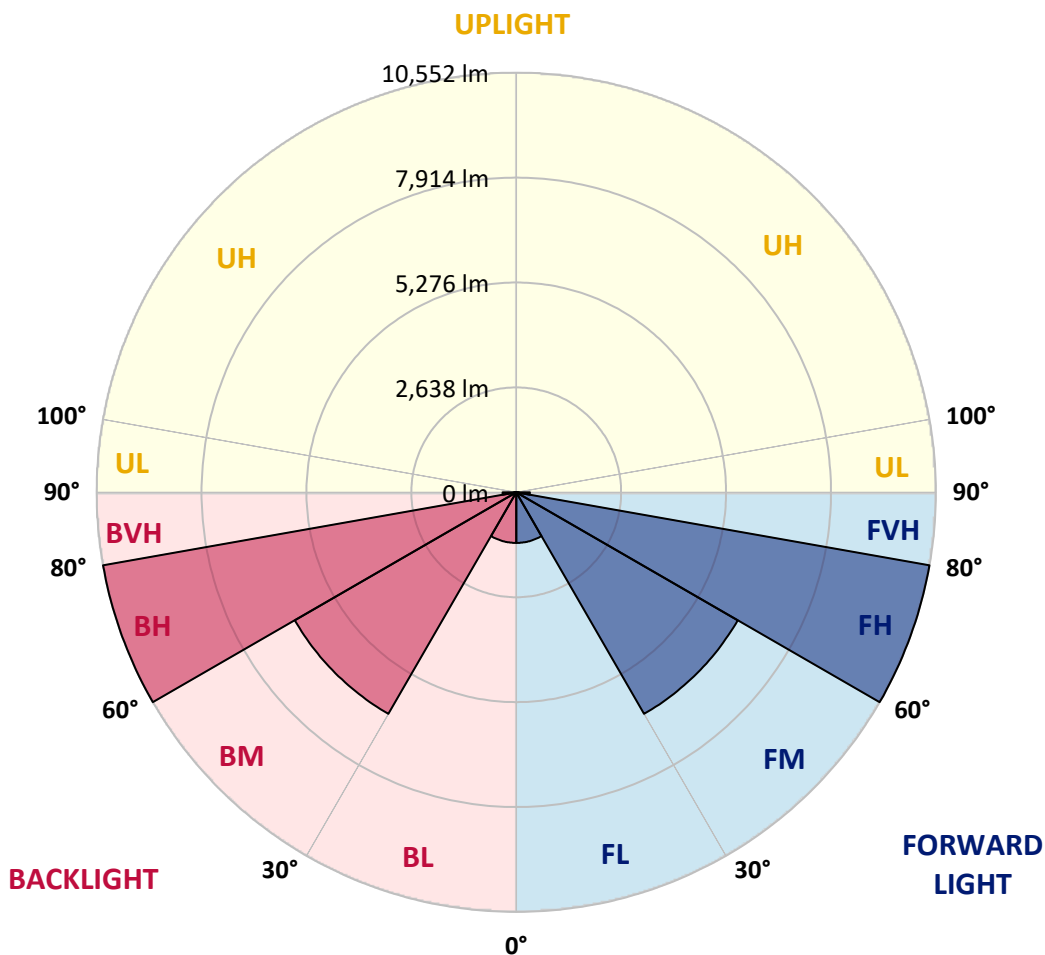


REPORT NUMBER: P316139
 CATALOG NUMBER: GAN-SA5D-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.8	3.4			
FM (30°-60°)	6432.2	17.3			
FH (60°-80°)	10552.3	28.4			G4/12000
FVH (80°-90°)	343.8	0.9			G3/500
BL (0°-30°)	1271.8	3.4	B3/2500		
BM (30°-60°)	6432.2	17.3	B4/8500		
BH (60°-80°)	10552.3	28.4	B5		G4/12000
BVH (80°-90°)	343.8	0.9			G3/500
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: P316139

CATALOG NUMBER: GAN-SA5D-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6	3061.6
2.5°	3048.0	3051.7	3048.0	3050.5	3044.3	3046.8	3046.8	3046.8	3045.6	3046.8	3044.3
5°	3021.0	3023.4	3018.5	3021.0	3017.3	3021.0	3022.2	3021.0	3018.5	3019.7	3014.8
7.5°	2980.3	2982.8	2979.1	2982.8	2977.9	2984.0	2982.8	2979.1	2975.4	2975.4	2970.5
10°	2958.2	2959.4	2949.6	2945.9	2934.8	2937.3	2941.0	2944.7	2948.4	2955.7	2954.5
12.5°	2959.4	2959.4	2944.7	2928.7	2912.7	2916.4	2922.5	2936.1	2950.8	2964.4	2965.6
15°	2971.7	2970.5	2948.4	2922.5	2911.4	2922.5	2926.2	2934.8	2958.2	2981.6	2982.8
17.5°	2980.3	2980.3	2945.9	2916.4	2915.1	2932.4	2931.1	2934.8	2960.7	2995.1	2996.3
20°	2996.3	2996.3	2952.0	2920.1	2920.1	2938.5	2939.7	2945.9	2971.7	3009.9	3016.0
22.5°	3032.0	3033.3	2986.5	2960.7	2963.1	2974.2	2977.9	2987.7	3011.1	3053.0	3060.3
25°	3082.5	3084.9	3037.0	3022.2	3030.8	3051.7	3049.3	3056.6	3082.5	3123.1	3130.5
27.5°	3152.6	3146.5	3102.2	3096.0	3104.6	3119.4	3118.2	3119.4	3140.3	3177.2	3185.8
30°	3243.7	3241.2	3209.2	3212.9	3209.2	3204.3	3205.5	3215.4	3226.5	3256.0	3264.6
32.5°	3332.3	3334.7	3315.1	3333.5	3360.6	3379.0	3350.7	3323.7	3311.4	3327.4	3334.7
35°	3492.3	3498.4	3467.6	3455.3	3492.3	3546.4	3466.4	3422.1	3446.7	3467.6	3473.8
37.5°	3764.2	3767.9	3716.2	3667.0	3639.9	3691.6	3611.6	3615.3	3701.4	3740.8	3739.6
40°	4074.3	4075.5	4041.1	3998.0	3951.2	3963.5	3931.6	3941.4	3998.0	4033.7	4043.5
42.5°	4443.5	4439.8	4385.6	4324.1	4310.6	4322.9	4268.7	4261.3	4326.6	4390.5	4391.8
45°	4922.1	4913.5	4843.4	4775.7	4710.5	4683.4	4669.9	4705.6	4795.4	4854.5	4855.7
47.5°	5437.7	5414.3	5377.4	5323.3	5266.7	5239.6	5217.5	5234.7	5299.9	5323.3	5325.7
50°	5968.1	5973.0	5980.4	5959.5	5938.6	5929.9	5872.1	5838.9	5858.6	5815.5	5809.3
52.5°	6596.9	6606.7	6678.1	6738.4	6774.1	6792.5	6683.0	6568.6	6504.6	6420.9	6396.3
55°	7338.9	7354.9	7459.5	7626.8	7799.1	7890.2	7692.1	7477.9	7279.8	7123.6	7073.1
57.5°	8165.8	8194.1	8338.1	8659.3	9012.4	9227.8	8893.1	8504.2	8121.5	7896.3	7857.0
60°	9135.5	9162.5	9361.9	9822.1	10394.3	10717.9	10211.0	9574.8	9098.6	8883.2	8810.6
62.5°	10289.7	10292.2	10537.1	11074.8	11830.3	12280.7	11594.1	10743.8	10252.8	9993.2	9923.0
65°	11531.3	11537.5	11791.0	12371.8	13153.2	13642.9	12867.7	11981.7	11381.2	10998.5	10944.4
67.5°	12408.7	12434.5	12701.6	13400.5	14131.4	14573.2	13770.9	12769.2	12075.2	11618.7	11573.2
70°	12268.4	12369.3	12683.1	13498.9	14515.4	15145.4	13917.3	12675.7	11760.2	11221.2	11183.1
72.5°	10699.5	10892.7	11311.1	12381.6	14007.2	14874.7	13118.7	11352.9	10316.8	9857.8	9788.9
75°	7286.0	7599.8	8231.0	9775.4	11966.9	12878.8	11044.0	9051.8	8077.2	7442.3	7395.5
77.5°	3248.6	3320.0	4119.8	5897.9	8258.1	9248.7	8024.3	5921.3	4444.7	3545.2	3355.7
80°	905.7	916.7	1223.1	2196.5	4133.4	5434.0	4437.3	2307.2	1297.0	914.3	861.4
82.5°	287.9	312.6	381.5	569.7	1389.3	2479.5	1426.2	615.3	438.1	349.5	315.0
85°	140.3	139.1	193.2	231.3	354.4	548.8	377.8	285.5	249.8	166.1	150.1
87.5°	59.1	60.3	89.8	81.2	103.4	88.6	121.8	128.0	134.1	73.8	64.0
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)