

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: P316559

Luminaire Tested: **GAN-SA5B-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30003 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 210
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

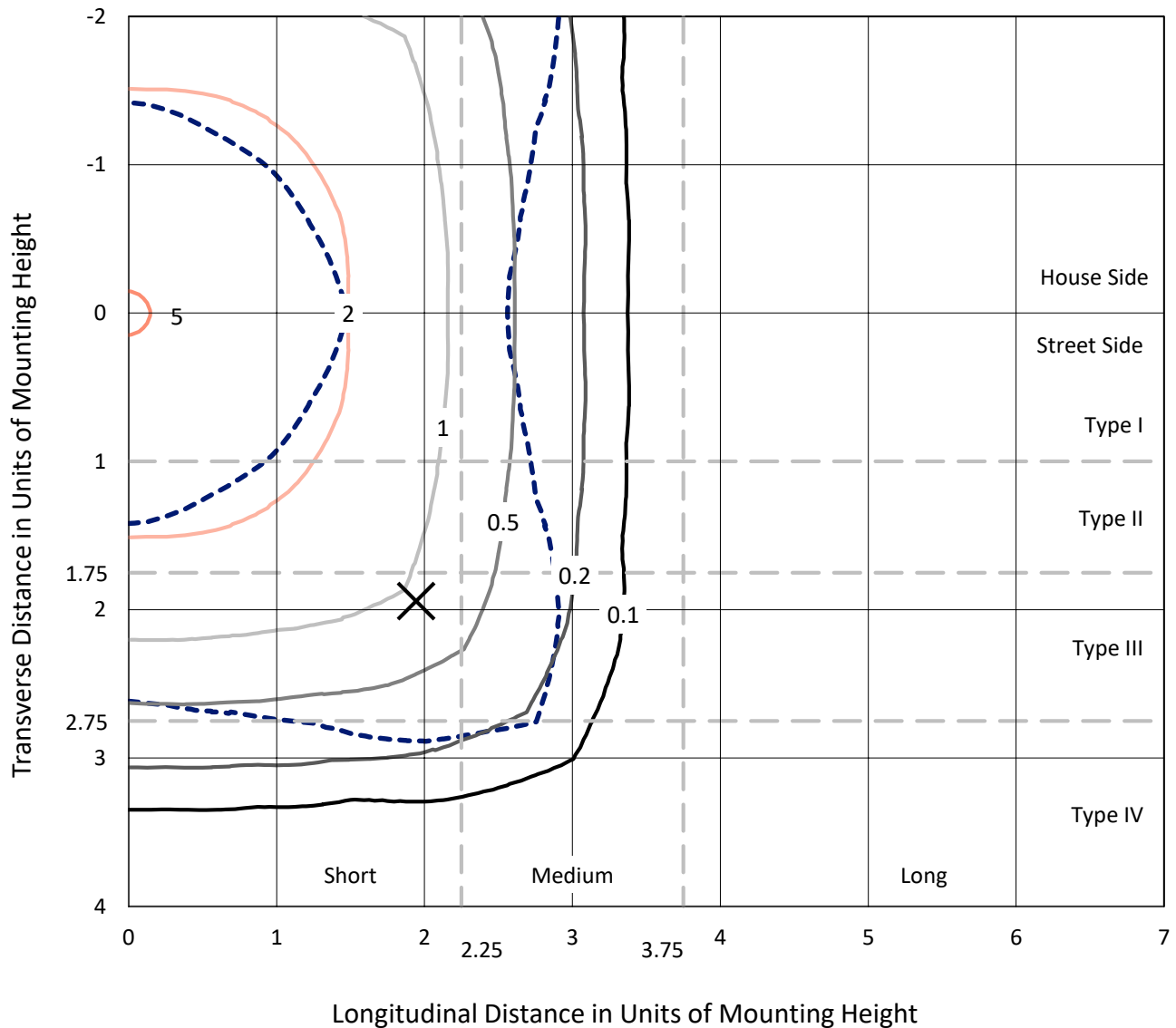


REPORT NUMBER: P316559

CATALOG NUMBER: GAN-SA5B-760-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

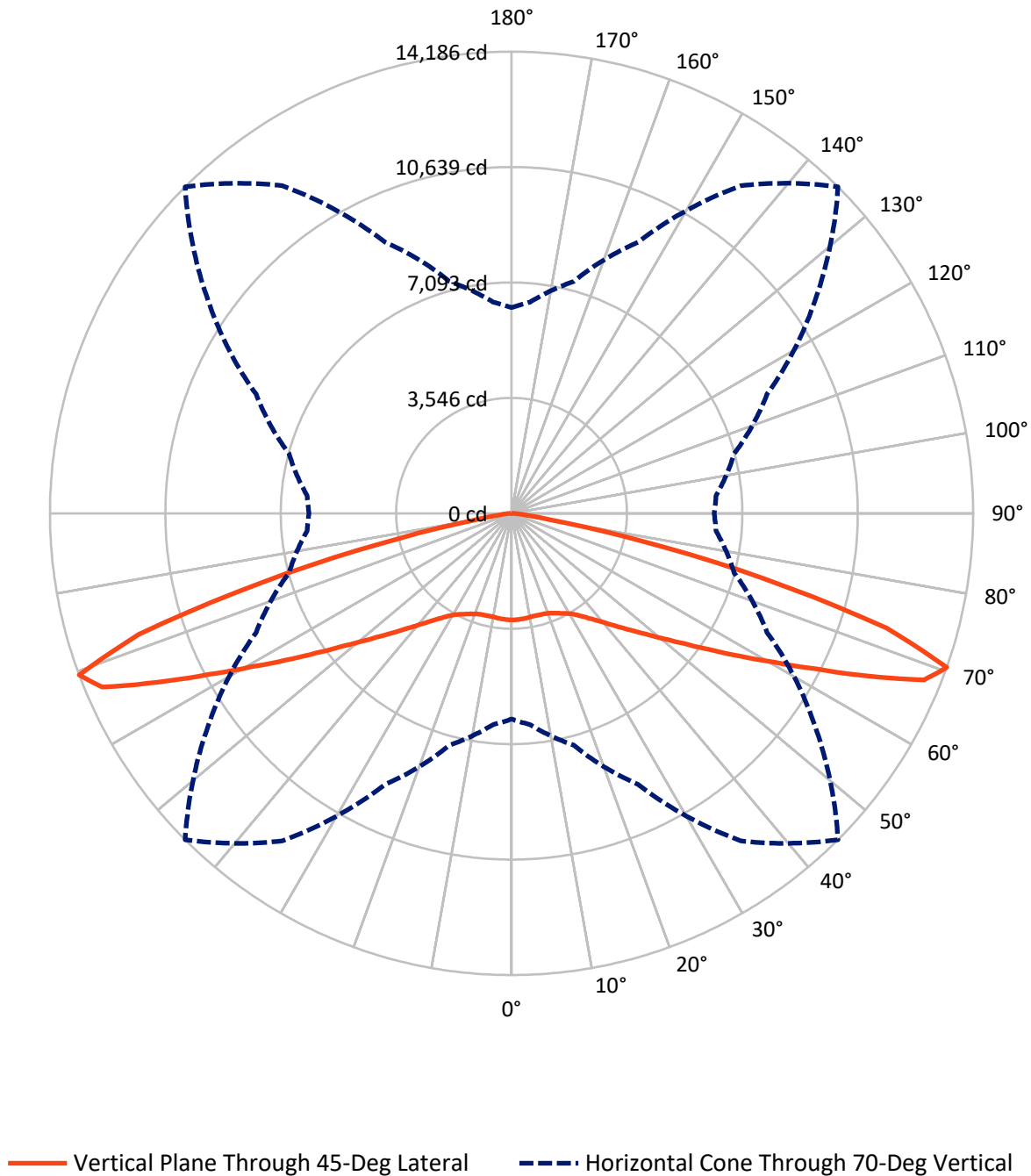
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type V - Short - N/A

REPORT NUMBER: P316559
CATALOG NUMBER: GAN-SA5B-760-U-5MQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15001.5	0.0	15001.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15001.5	0.0	15001.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30003.0	0.0	30003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	1.0
10°-20°	911.1	3.0
20°-30°	1551.0	5.2
30°-40°	2459.8	8.2
40°-50°	4002.9	13.3
50°-60°	6600.1	22.0
60°-70°	9689.1	32.3
70°-80°	4284.5	14.3
80°-90°	194.0	0.6
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°	30003.0	100.0
0°-180°	30003.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316559

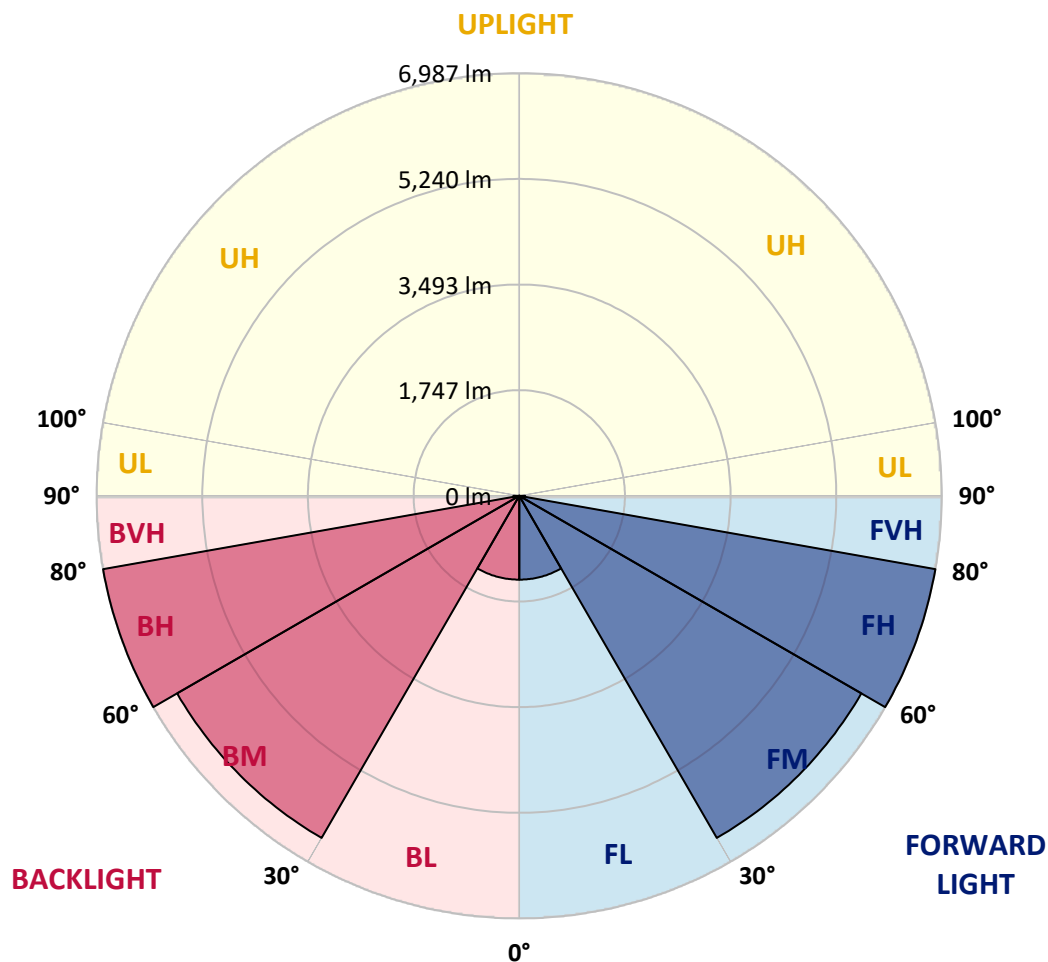
CATALOG NUMBER: GAN-SA5B-760-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1386.2	4.6			
FM	(30°-60°)	6531.4	21.8			
FH	(60°-80°)	6986.8	23.3			G3/7500
FVH	(80°-90°)	97.0	0.3			G1/100
BL	(0°-30°)	1386.2	4.6	B3/2500		
BM	(30°-60°)	6531.4	21.8	B4/8500		
BH	(60°-80°)	6986.8	23.3	B5		G3/7500
BVH	(80°-90°)	97.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P316559

CATALOG NUMBER: GAN-SA5B-760-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8	3276.8
2.5°	3271.8	3268.9	3275.8	3274.8	3268.9	3269.8	3269.8	3272.8	3272.8	3270.8	3270.8
5°	3259.9	3257.9	3265.9	3265.9	3259.9	3261.9	3263.9	3266.9	3265.9	3263.9	3262.9
7.5°	3245.0	3244.0	3252.0	3252.0	3248.0	3250.0	3248.0	3249.0	3247.0	3245.0	3242.0
10°	3220.2	3222.2	3229.1	3231.1	3231.1	3232.1	3230.1	3225.2	3222.2	3219.2	3216.2
12.5°	3197.4	3196.4	3206.3	3211.3	3219.2	3228.1	3222.2	3208.3	3202.3	3196.4	3194.4
15°	3182.5	3183.5	3193.4	3202.3	3216.2	3235.1	3228.1	3206.3	3194.4	3187.4	3185.4
17.5°	3179.5	3181.5	3194.4	3210.3	3225.2	3246.0	3242.0	3220.2	3200.3	3187.4	3184.4
20°	3186.4	3187.4	3207.3	3230.1	3255.9	3275.8	3266.9	3243.0	3216.2	3196.4	3191.4
22.5°	3199.3	3203.3	3228.1	3263.9	3303.6	3330.4	3319.5	3278.8	3237.1	3212.3	3205.3
25°	3240.1	3241.0	3274.8	3323.5	3371.1	3401.9	3389.0	3331.4	3277.8	3250.0	3241.0
27.5°	3324.5	3327.4	3361.2	3417.8	3458.5	3478.4	3470.4	3423.8	3378.1	3348.3	3351.3
30°	3446.6	3450.6	3488.3	3550.9	3575.7	3580.6	3578.7	3556.8	3515.1	3475.4	3478.4
32.5°	3595.5	3597.5	3648.2	3704.8	3724.6	3728.6	3724.6	3704.8	3655.1	3601.5	3604.5
35°	3787.2	3793.1	3841.8	3896.4	3912.3	3920.2	3913.3	3887.5	3835.8	3783.2	3781.2
37.5°	4023.5	4024.5	4075.1	4131.7	4151.6	4153.6	4145.6	4128.8	4064.2	4016.6	4013.6
40°	4297.6	4301.5	4361.1	4421.7	4429.6	4420.7	4431.6	4421.7	4355.2	4300.5	4309.5
42.5°	4631.2	4640.1	4711.6	4771.2	4748.4	4743.4	4750.4	4753.3	4699.7	4633.2	4627.2
45°	5019.5	5027.4	5116.8	5164.4	5149.5	5116.8	5130.7	5154.5	5080.0	4997.6	5005.6
47.5°	5462.3	5482.2	5577.5	5622.2	5585.4	5540.8	5567.6	5603.3	5515.9	5413.7	5408.7
50°	5954.8	5979.7	6106.8	6169.3	6132.6	6050.2	6094.8	6118.7	5992.6	5860.5	5849.6
52.5°	6480.1	6504.9	6664.8	6793.9	6770.1	6642.0	6704.5	6679.7	6534.7	6357.0	6343.1
55°	7074.9	7084.8	7257.6	7466.1	7490.0	7395.6	7391.7	7350.9	7136.5	6930.9	6921.0
57.5°	7686.6	7693.5	7916.9	8163.2	8275.4	8275.4	8164.2	8077.8	7792.8	7554.5	7529.7
60°	8346.9	8371.7	8619.0	8953.6	9215.7	9293.2	9096.6	8861.2	8551.4	8260.5	8231.7
62.5°	8934.7	8963.5	9341.8	9840.3	10261.3	10543.3	10062.7	9679.5	9115.4	8648.8	8594.1
65°	9009.2	9086.7	9637.7	10540.4	11482.7	12045.7	11124.2	10179.9	9152.2	8503.8	8448.2
67.5°	8227.7	8358.8	9103.5	10508.6	12455.8	13664.2	11802.4	9893.9	8492.9	7775.9	7714.4
70°	6322.2	6512.9	7371.8	9191.9	12288.0	14185.5	11377.4	8661.7	7080.9	6309.3	6222.9
72.5°	3468.4	3546.9	4319.4	6294.4	9851.2	12054.6	9489.8	6404.6	4695.7	3820.9	3676.0
75°	1100.2	1128.0	1521.2	2575.8	5572.5	7984.5	6028.3	3143.7	1730.7	1276.0	1261.1
77.5°	488.5	491.5	550.1	751.7	1919.4	4045.4	2305.7	855.9	589.8	515.4	532.2
80°	308.8	308.8	340.6	372.4	522.3	1174.7	623.6	407.1	347.5	322.7	329.7
82.5°	148.0	163.8	221.4	238.3	287.0	395.2	319.7	266.1	232.4	172.8	160.9
85°	97.3	81.4	140.0	157.9	166.8	189.7	185.7	175.8	151.9	86.4	96.3
87.5°	43.7	41.7	72.5	66.5	62.6	47.7	71.5	88.4	85.4	42.7	42.7
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)