

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: P316454

Luminaire Tested: **GAN-SA0C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316454
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-SA0C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66978 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

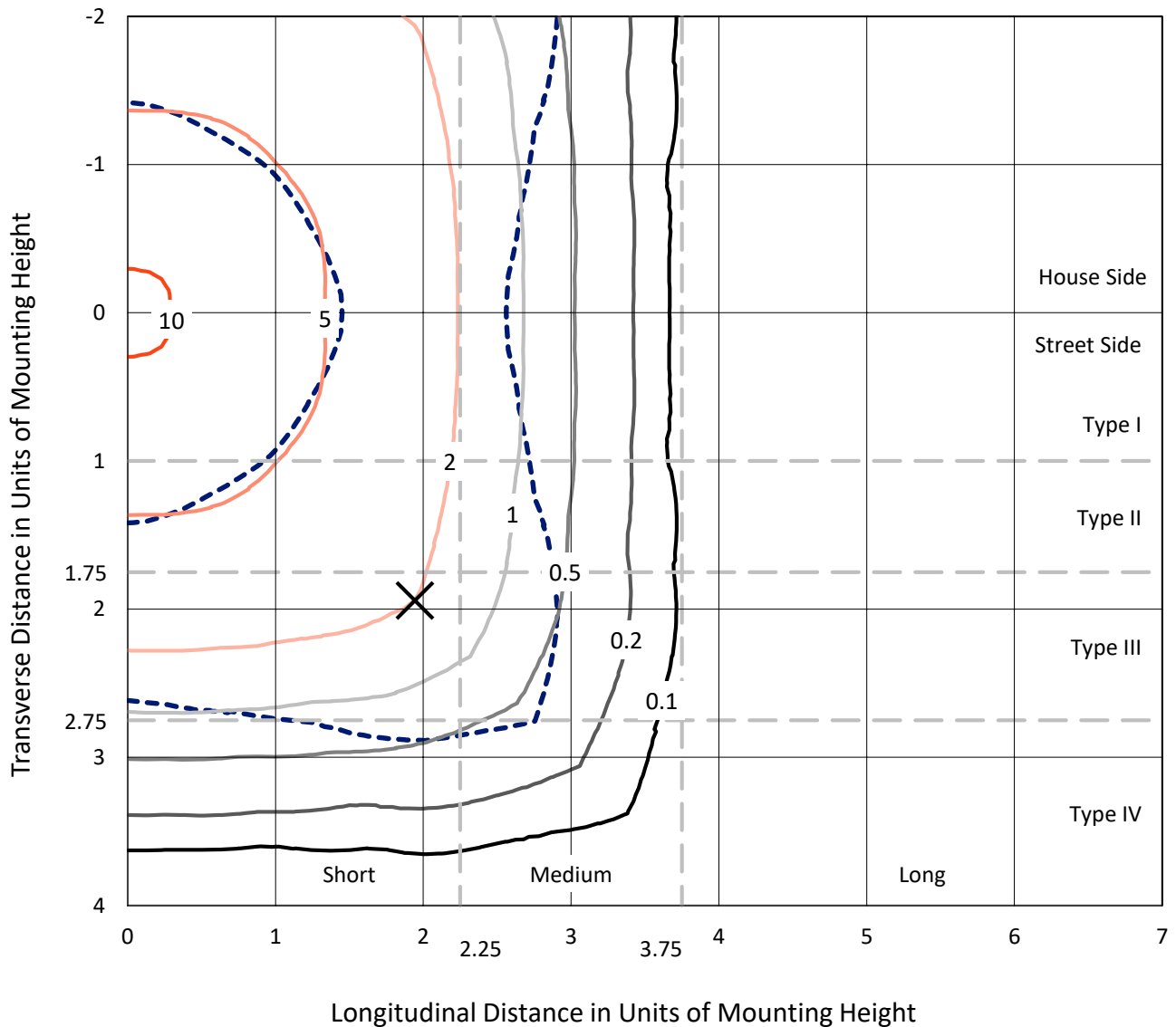
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316454
 CATALOG NUMBER: GAN-SA0C-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

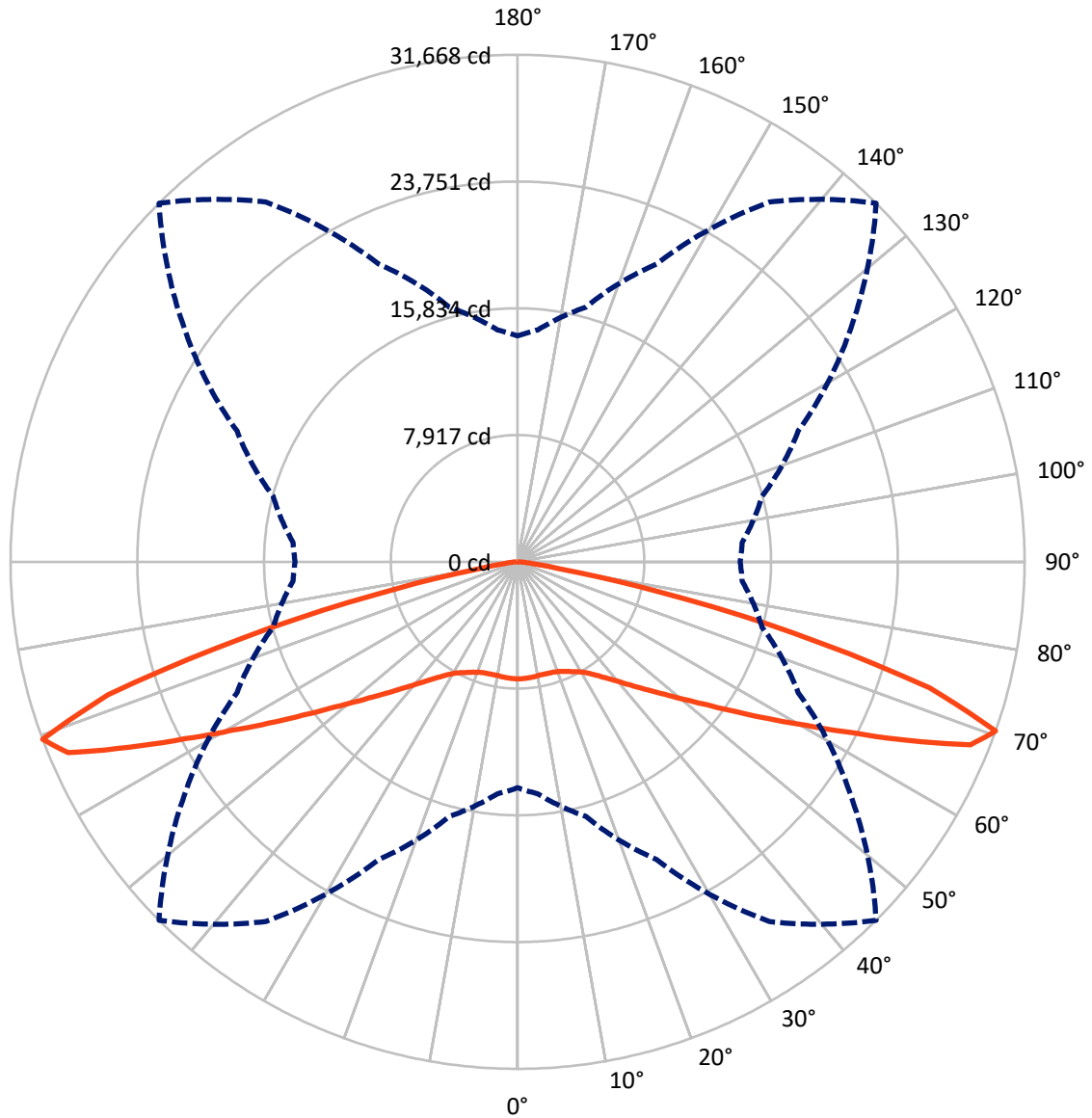
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P316454
CATALOG NUMBER: GAN-SA0C-730-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316454
 CATALOG NUMBER: GAN-SA0C-730-U-5MQ

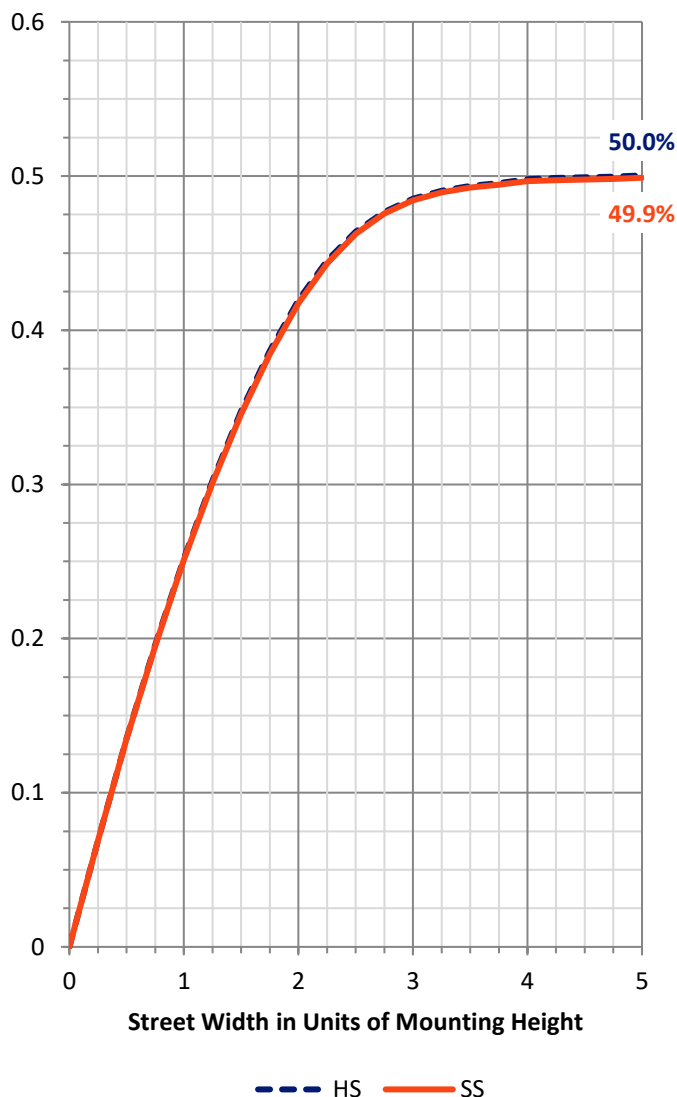
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33489.0	0.0	33489.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33489.0	0.0	33489.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66978.0	0.0	66978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.8	1.0
10°-20°	2033.9	3.0
20°-30°	3462.4	5.2
30°-40°	5491.3	8.2
40°-50°	8936.0	13.3
50°-60°	14733.9	22.0
60°-70°	21629.8	32.3
70°-80°	9564.7	14.3
80°-90°	433.1	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°	66978.0	100.0
0°-180°	66978.0	100.0

Coefficient of Utilization

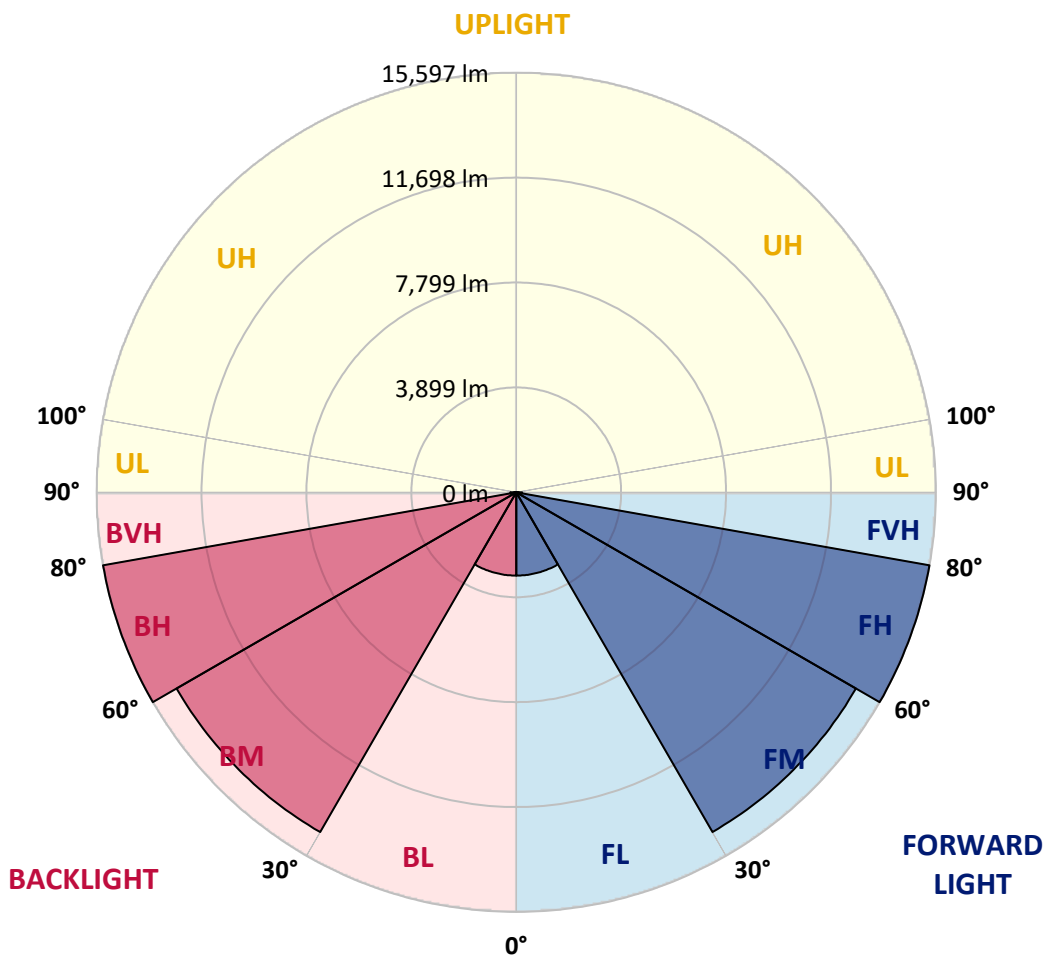


REPORT NUMBER: P316454
 CATALOG NUMBER: GAN-SAOC-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3094.6	4.6			
FM (30°-60°)	14580.6	21.8			
FH (60°-80°)	15597.2	23.3			G5
FVH (80°-90°)	216.6	0.3			G2/225
BL (0°-30°)	3094.6	4.6	B4/5000		
BM (30°-60°)	14580.6	21.8	B5		
BH (60°-80°)	15597.2	23.3	B5		G5
BVH (80°-90°)	216.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





REPORT NUMBER: P316454
 CATALOG NUMBER: GAN-SAOC-730-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0	7315.0
2.5°	7304.0	7297.3	7312.8	7310.6	7297.3	7299.5	7299.5	7306.2	7306.2	7301.7	7301.7
5°	7277.4	7272.9	7290.7	7290.7	7277.4	7281.8	7286.2	7292.9	7290.7	7286.2	7284.0
7.5°	7244.1	7241.9	7259.6	7259.6	7250.8	7255.2	7250.8	7253.0	7248.5	7244.1	7237.5
10°	7188.7	7193.1	7208.6	7213.1	7213.1	7215.3	7210.9	7199.8	7193.1	7186.5	7179.8
12.5°	7137.7	7135.5	7157.7	7168.7	7186.5	7206.4	7193.1	7162.1	7148.8	7135.5	7131.1
15°	7104.5	7106.7	7128.8	7148.8	7179.8	7221.9	7206.4	7157.7	7131.1	7115.5	7111.1
17.5°	7097.8	7102.2	7131.1	7166.5	7199.8	7246.3	7237.5	7188.7	7144.4	7115.5	7108.9
20°	7113.3	7115.5	7159.9	7210.9	7268.5	7312.8	7292.9	7239.7	7179.8	7135.5	7124.4
22.5°	7142.1	7151.0	7206.4	7286.2	7374.9	7434.7	7410.4	7319.5	7226.4	7171.0	7155.4
25°	7233.0	7235.2	7310.6	7419.2	7525.6	7594.3	7565.5	7437.0	7317.3	7255.2	7235.2
27.5°	7421.4	7428.1	7503.5	7629.8	7720.7	7765.0	7747.3	7643.1	7541.1	7474.6	7481.3
30°	7694.1	7703.0	7787.2	7926.8	7982.3	7993.3	7988.9	7940.1	7847.0	7758.4	7765.0
32.5°	8026.6	8031.0	8144.1	8270.4	8314.8	8323.6	8314.8	8270.4	8159.6	8039.9	8046.5
35°	8454.4	8467.7	8576.3	8698.2	8733.7	8751.4	8735.9	8678.3	8563.0	8445.5	8441.1
37.5°	8982.0	8984.2	9097.2	9223.6	9267.9	9272.4	9254.6	9217.0	9072.9	8966.5	8959.8
40°	9593.8	9602.7	9735.7	9870.9	9888.6	9868.7	9893.0	9870.9	9722.4	9600.4	9620.4
42.5°	10338.6	10358.5	10518.1	10651.1	10600.2	10589.1	10604.6	10611.2	10491.5	10343.0	10329.7
45°	11205.3	11223.0	11422.5	11528.9	11495.7	11422.5	11453.6	11506.8	11340.5	11156.5	11174.3
47.5°	12193.9	12238.3	12451.1	12550.8	12468.8	12369.1	12428.9	12508.7	12313.7	12085.3	12074.2
50°	13293.4	13348.8	13632.6	13772.2	13690.2	13506.2	13606.0	13659.2	13377.7	13082.8	13058.5
52.5°	14466.0	14521.5	14878.3	15166.5	15113.3	14827.4	14967.0	14911.6	14588.0	14191.2	14160.1
55°	15793.8	15816.0	16201.7	16667.2	16720.4	16509.8	16501.0	16410.1	15931.3	15472.4	15450.3
57.5°	17159.3	17174.8	17673.6	18223.3	18473.8	18473.8	18225.5	18032.7	17396.5	16864.5	16809.1
60°	18633.4	18688.8	19240.8	19987.8	20573.0	20745.9	20307.0	19781.6	19090.0	18440.6	18376.3
62.5°	19945.7	20010.0	20854.5	21967.3	22907.2	23536.7	22463.8	21608.2	20349.1	19307.3	19185.4
65°	20111.9	20284.8	21515.1	23530.0	25633.7	26890.5	24833.5	22725.4	20431.1	18983.6	18859.5
67.5°	18367.4	18660.0	20322.5	23459.1	27806.0	30503.7	26347.4	22087.0	18959.3	17358.8	17221.4
70°	14113.6	14539.2	16456.6	20519.8	27431.4	31667.5	25398.7	19336.1	15807.1	14084.8	13891.9
72.5°	7742.9	7918.0	9642.6	14051.5	21991.7	26910.5	21184.8	14297.6	10482.7	8529.8	8206.1
75°	2456.1	2518.1	3396.0	5750.1	12440.0	17824.3	13457.5	7018.0	3863.7	2848.4	2815.2
77.5°	1090.6	1097.3	1228.0	1678.0	4284.8	9030.7	5147.1	1910.8	1316.7	1150.5	1188.1
80°	689.4	689.4	760.3	831.3	1166.0	2622.3	1392.1	908.8	775.8	720.4	735.9
82.5°	330.3	365.8	494.3	532.0	640.6	882.2	713.8	594.1	518.7	385.7	359.1
85°	217.2	181.8	312.6	352.5	372.4	423.4	414.5	392.4	339.2	192.9	215.0
87.5°	97.5	93.1	161.8	148.5	139.7	106.4	159.6	197.3	190.6	95.3	95.3
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)