

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: P316779

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316779
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-SA5D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36429 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

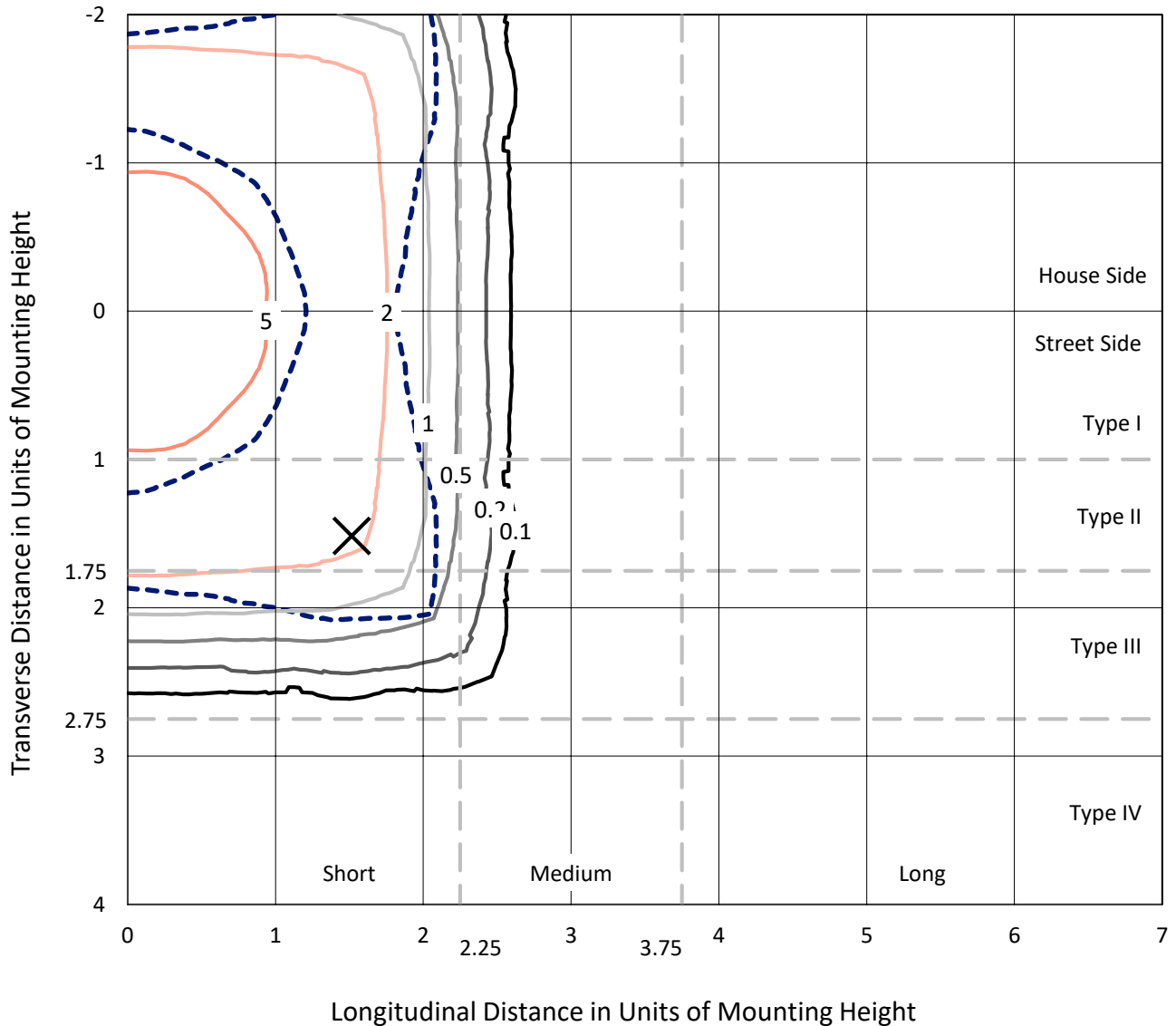
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316779
 CATALOG NUMBER: GAN-SA5D-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

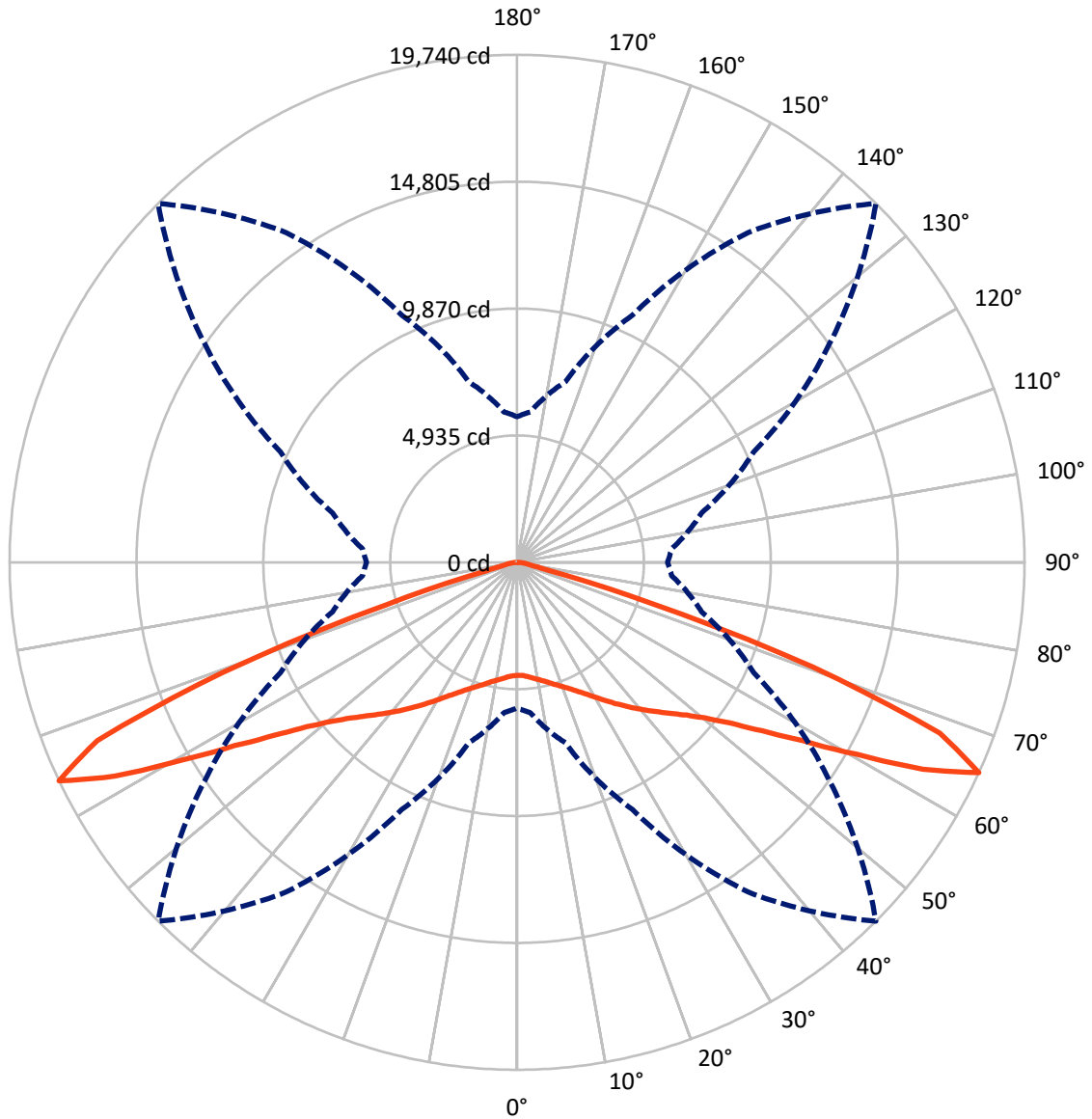
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316779
CATALOG NUMBER: GAN-SA5D-730-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316779
 CATALOG NUMBER: GAN-SA5D-730-U-5NQ

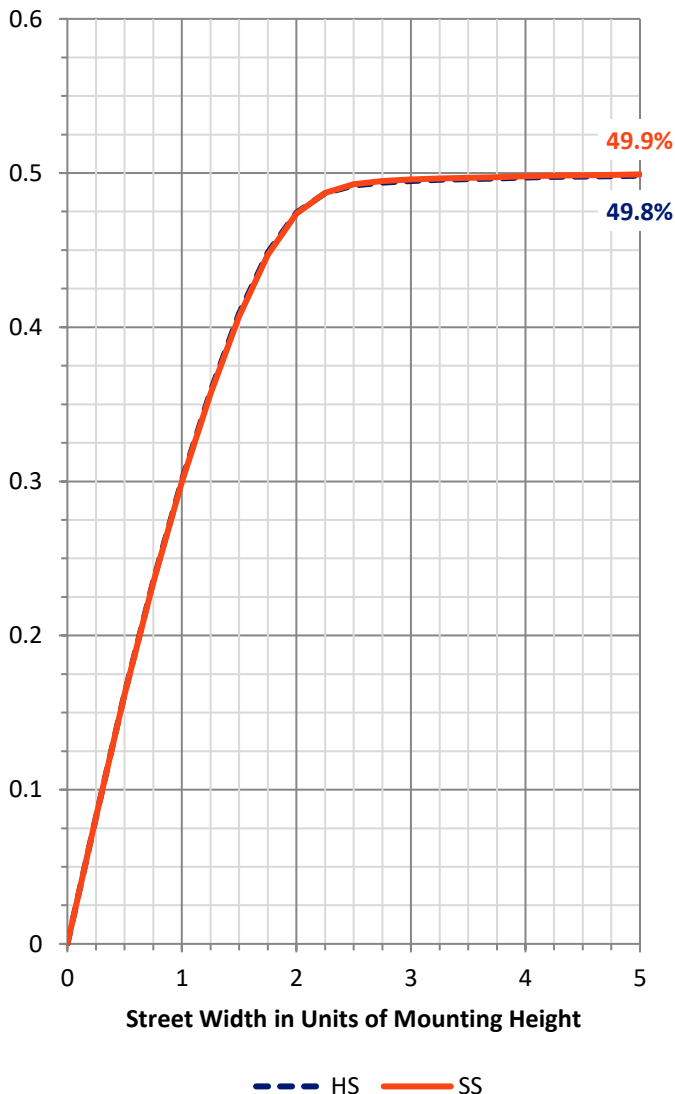
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18214.5	0.0	18214.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18214.5	0.0	18214.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36429.0	0.0	36429.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.6	1.2
10°-20°	1387.4	3.8
20°-30°	2603.0	7.1
30°-40°	4304.8	11.8
40°-50°	6667.5	18.3
50°-60°	10226.1	28.1
60°-70°	9542.1	26.2
70°-80°	1110.6	3.0
80°-90°	156.1	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°	36429.0	100.0
0°-180°	36429.0	100.0



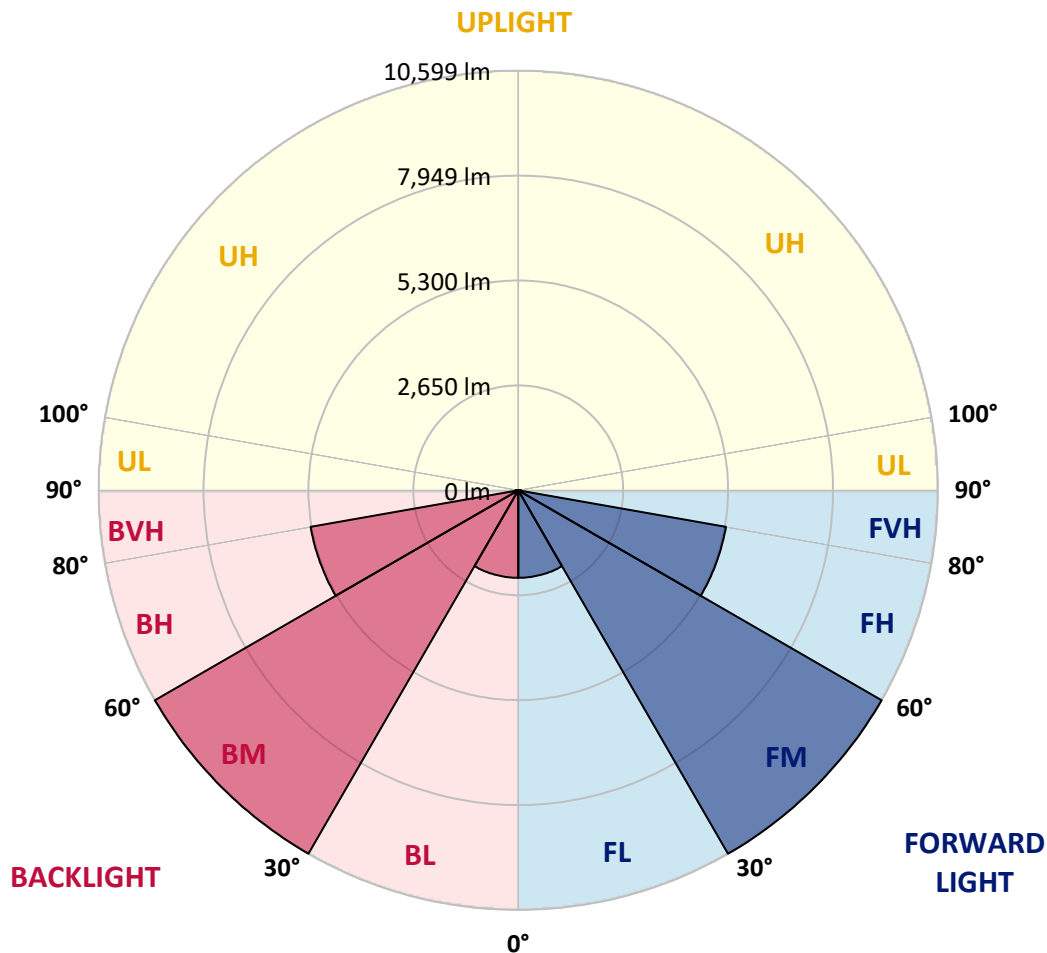
REPORT NUMBER: P316779
 CATALOG NUMBER: GAN-SA5D-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.0	6.1			
FM (30°-60°)	10599.2	29.1			
FH (60°-80°)	5326.3	14.6			G3/7500
FVH (80°-90°)	78.0	0.2			G1/100
BL (0°-30°)	2211.0	6.1	B3/2500		
BM (30°-60°)	10599.2	29.1	B5		
BH (60°-80°)	5326.3	14.6	B5		G3/7500
BVH (80°-90°)	78.0	0.2			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: P316779
 CATALOG NUMBER: GAN-SA5D-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3
2.5°	4413.8	4411.4	4413.8	4415.0	4407.7	4411.4	4410.1	4416.2	4418.6	4416.2	4416.2
5°	4464.6	4460.9	4465.8	4471.8	4462.1	4464.6	4460.9	4468.2	4470.6	4465.8	4469.4
7.5°	4534.7	4535.9	4540.7	4551.6	4545.6	4550.4	4543.2	4544.4	4543.2	4535.9	4537.1
10°	4610.9	4612.1	4620.6	4635.1	4637.5	4637.5	4632.6	4629.0	4624.2	4619.3	4620.6
12.5°	4702.8	4708.8	4714.9	4733.0	4733.0	4742.7	4740.3	4730.6	4722.1	4714.9	4714.9
15°	4827.3	4826.1	4833.4	4851.5	4860.0	4875.7	4875.7	4862.4	4851.5	4844.3	4841.8
17.5°	4957.9	4961.6	4966.4	4988.2	5001.5	5019.6	5022.0	5011.1	5003.9	4994.2	4988.2
20°	5110.3	5116.4	5135.7	5144.2	5156.3	5173.2	5179.2	5176.8	5169.6	5164.7	5165.9
22.5°	5288.1	5303.8	5315.9	5328.0	5342.5	5354.6	5360.6	5369.1	5361.8	5358.2	5355.8
25°	5503.3	5514.2	5538.4	5560.1	5569.8	5573.4	5580.7	5592.8	5591.6	5583.1	5583.1
27.5°	5747.6	5768.1	5798.4	5829.8	5829.8	5817.7	5841.9	5862.5	5855.2	5844.3	5829.8
30°	6043.8	6063.2	6098.3	6141.8	6120.0	6111.6	6144.2	6181.7	6170.8	6152.7	6150.3
32.5°	6363.1	6381.2	6427.2	6474.3	6446.5	6434.4	6469.5	6523.9	6504.6	6468.3	6446.5
35°	6708.9	6727.1	6792.4	6849.2	6802.0	6781.5	6810.5	6869.8	6835.9	6768.2	6751.3
37.5°	7085.0	7094.7	7179.3	7237.4	7204.7	7150.3	7186.6	7230.1	7201.1	7118.9	7086.2
40°	7475.6	7510.7	7608.6	7676.3	7619.5	7533.6	7594.1	7654.6	7611.0	7505.8	7450.2
42.5°	7931.5	7958.1	8088.7	8149.2	8057.3	7936.3	8018.6	8100.8	8057.3	7955.7	7907.3
45°	8405.5	8446.6	8602.6	8663.1	8530.1	8376.5	8476.9	8620.8	8617.1	8470.8	8420.0
47.5°	8921.9	8963.0	9149.2	9229.0	9085.1	8879.5	9021.0	9224.2	9209.7	9048.8	9007.7
50°	9518.0	9561.6	9793.7	9894.1	9759.9	9520.5	9733.3	9912.2	9885.6	9687.3	9691.0
52.5°	10266.6	10264.1	10553.2	10727.3	10589.4	10377.8	10573.7	10747.8	10637.8	10363.3	10354.8
55°	10922.0	10961.9	11319.8	11649.9	11641.5	11560.5	11639.1	11646.3	11331.9	10966.7	10922.0
57.5°	11352.5	11428.7	11932.9	12530.3	12977.7	13085.3	12933.0	12471.0	11734.6	11150.5	11079.2
60°	11087.6	11203.7	11995.8	13213.5	14531.6	15164.0	14304.3	12871.3	11421.4	10607.6	10510.8
62.5°	9300.4	9496.3	10655.9	12883.4	15869.0	17718.0	15298.3	12229.2	10175.9	9054.9	8889.2
65°	5664.1	5870.9	7268.8	10603.9	15652.6	19739.8	14844.8	10150.5	7427.2	6033.0	5854.0
67.5°	1887.6	1948.1	2771.6	5861.3	12301.7	17736.1	12322.3	6076.5	3232.3	2142.8	2079.9
70°	738.9	744.9	879.1	1699.0	5809.3	12182.0	6410.3	1729.2	919.0	726.8	742.5
72.5°	543.0	545.4	582.9	709.8	1514.0	5366.7	1568.4	713.5	567.1	509.1	509.1
75°	436.5	436.5	463.1	517.6	678.4	1231.0	688.1	511.5	443.8	406.3	401.5
77.5°	344.6	351.9	372.4	407.5	459.5	592.5	476.4	405.1	357.9	322.9	315.6
80°	256.4	263.6	297.5	314.4	330.1	411.1	351.9	316.8	283.0	241.9	234.6
82.5°	168.1	175.3	217.7	227.3	223.7	268.5	237.0	233.4	208.0	156.0	148.7
85°	110.0	112.5	145.1	151.2	139.1	122.1	151.2	159.6	145.1	101.6	97.9
87.5°	52.0	52.0	73.8	68.9	62.9	50.8	68.9	81.0	82.2	49.6	48.4
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)