

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: P317103

Luminaire Tested: **GAN-SA9D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64574 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

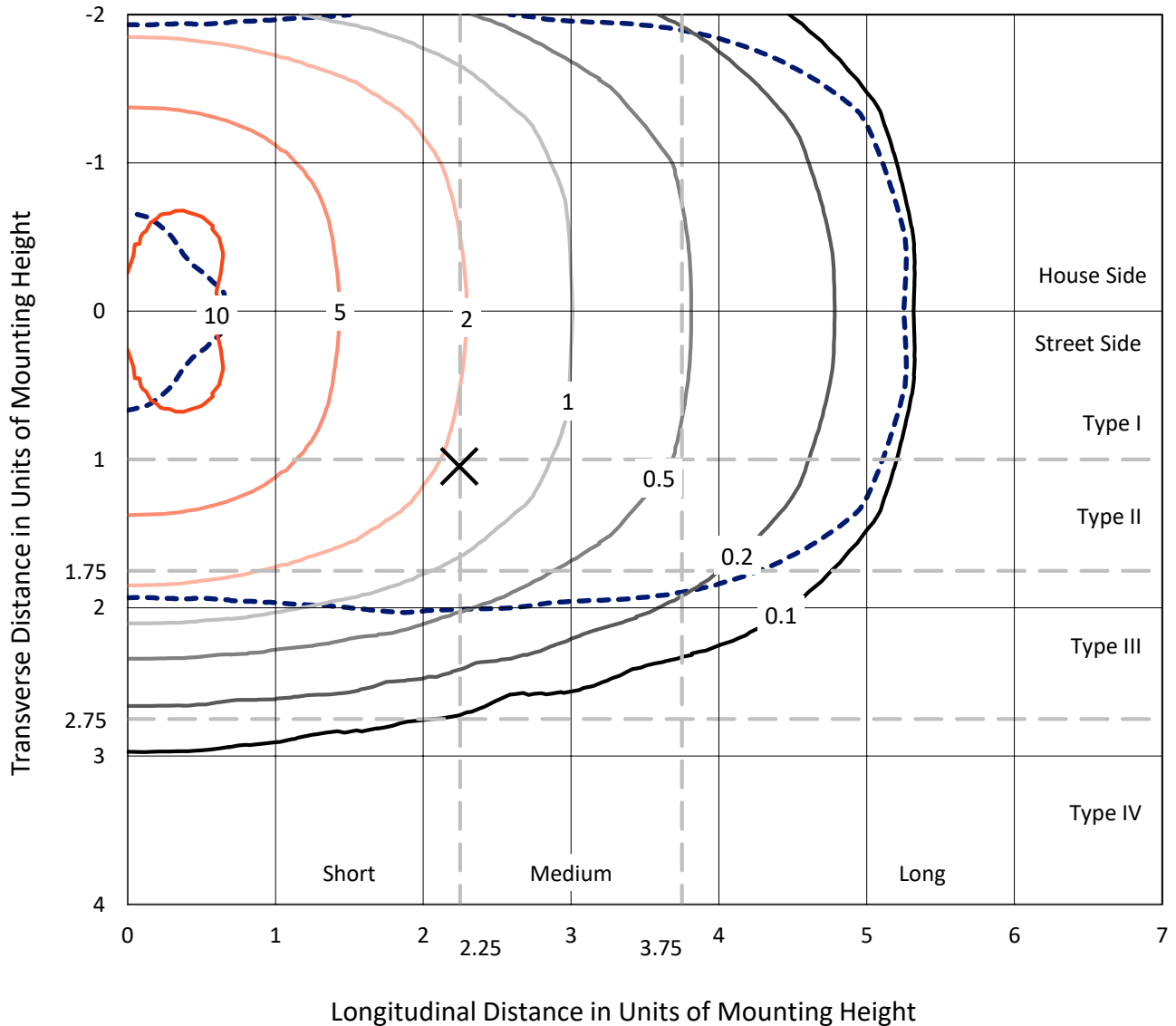
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317103
 CATALOG NUMBER: GAN-SA9D-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

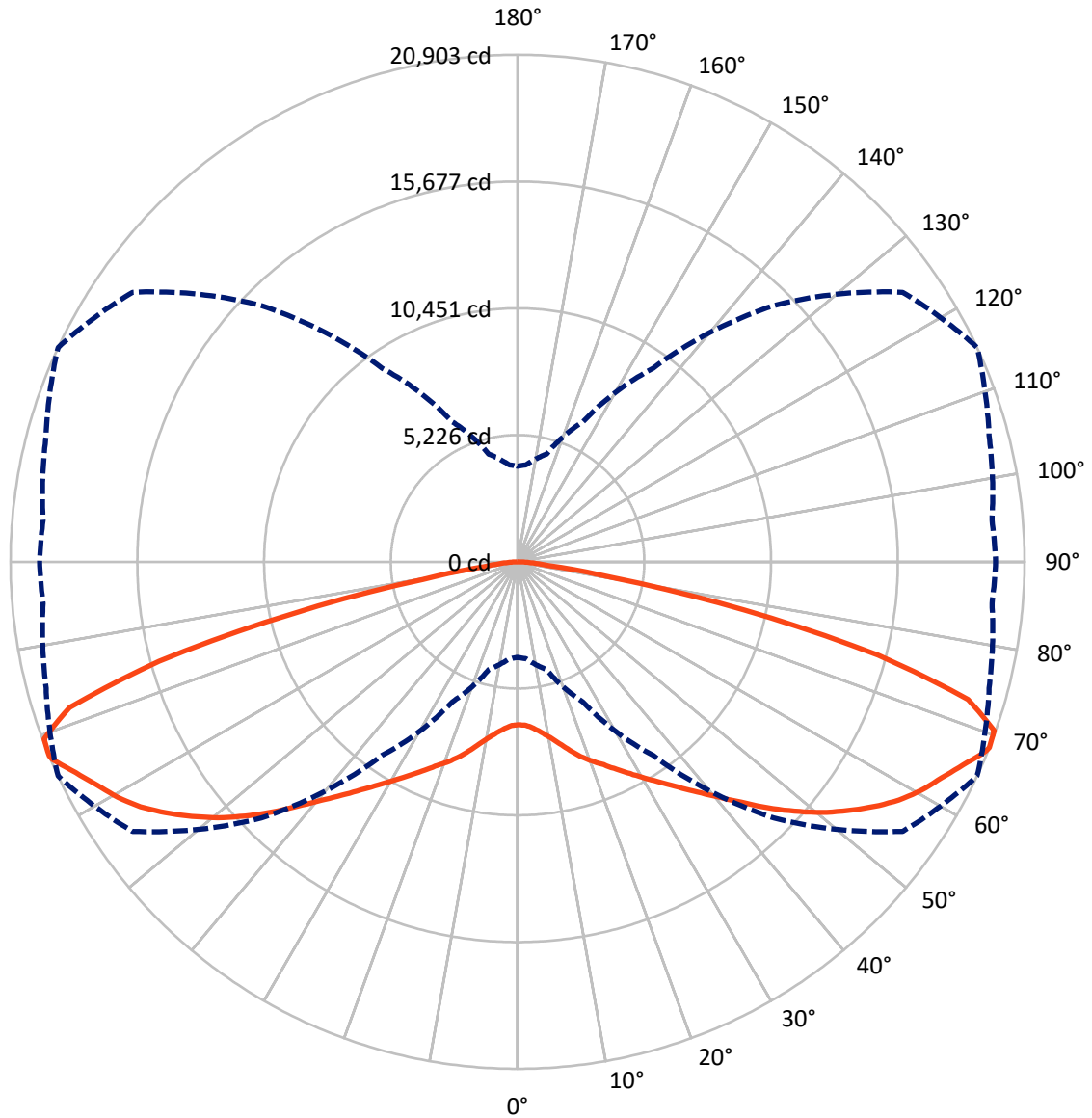
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Short - N/A

REPORT NUMBER: P317103
CATALOG NUMBER: GAN-SA9D-730-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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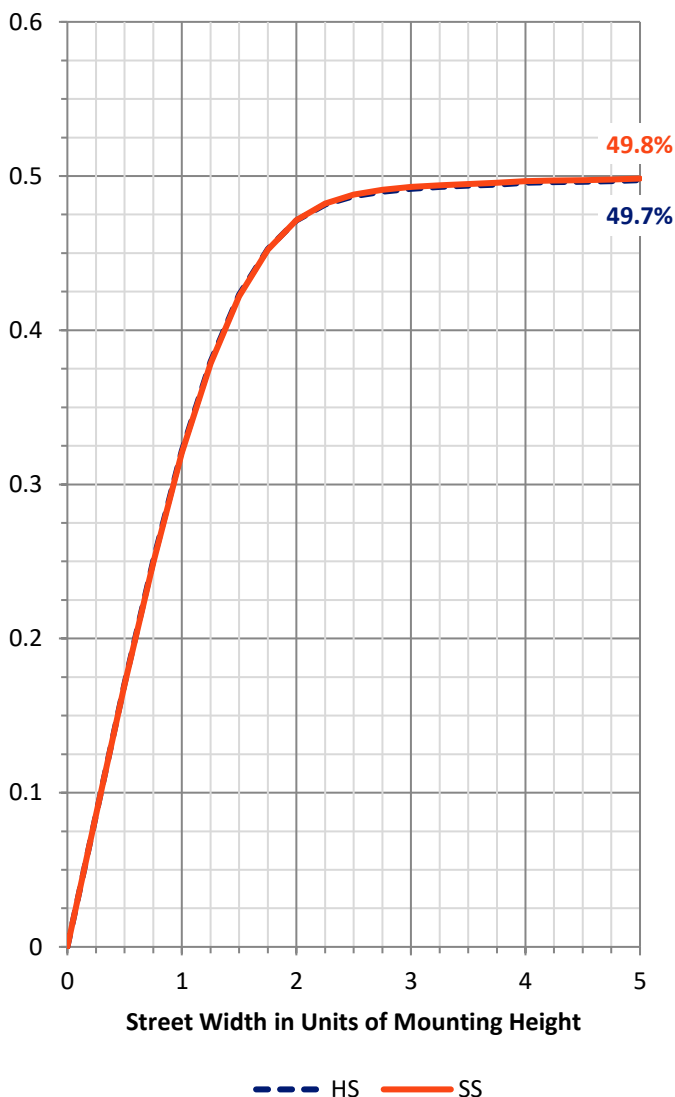
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32287.0	0.0	32287.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32287.0	0.0	32287.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64574.0	0.0	64574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.3	1.0
10°-20°	2201.1	3.4
20°-30°	4291.6	6.6
30°-40°	7209.6	11.2
40°-50°	11359.8	17.6
50°-60°	15191.8	23.5
60°-70°	14768.4	22.9
70°-80°	8073.1	12.5
80°-90°	821.1	1.3
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°	64574.0	100.0
0°-180°	64574.0	100.0

Coefficient of Utilization



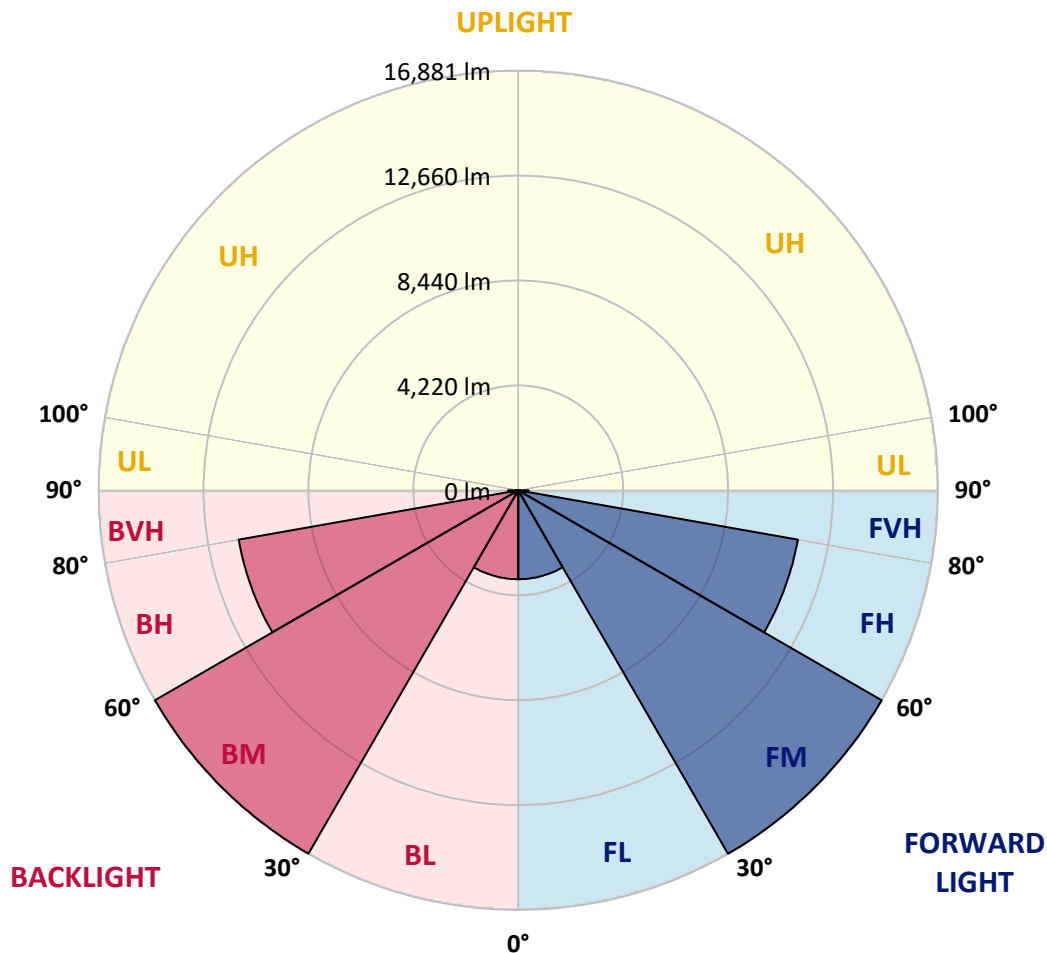
REPORT NUMBER: P317103
 CATALOG NUMBER: GAN-SA9D-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3575.1	5.5			
FM (30°-60°)	16880.7	26.1			
FH (60°-80°)	11420.8	17.7			G4/12000
FVH (80°-90°)	410.5	0.6			G3/500
BL (0°-30°)	3575.1	5.5	B4/5000		
BM (30°-60°)	16880.7	26.1	B5		
BH (60°-80°)	11420.8	17.7	B5		G5
BVH (80°-90°)	410.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2	6714.2
2.5°	6666.5	6668.7	6679.5	6692.5	6703.4	6731.5	6738.0	6748.8	6753.1	6764.0	6764.0
5°	6608.1	6612.4	6638.4	6673.0	6712.0	6781.3	6831.1	6887.4	6915.5	6945.8	6943.7
7.5°	6601.6	6612.4	6649.2	6705.5	6770.5	6885.2	6989.2	7101.7	7177.5	7246.8	7242.5
10°	6668.7	6686.0	6738.0	6822.4	6919.9	7062.8	7216.5	7368.1	7500.1	7606.2	7610.6
12.5°	6770.5	6792.1	6874.4	7002.1	7149.4	7333.4	7515.3	7686.3	7868.2	8026.3	8039.3
15°	6904.7	6932.9	7056.3	7246.8	7472.0	7690.7	7885.5	8060.9	8270.9	8489.6	8511.3
17.5°	7103.9	7142.9	7305.3	7562.9	7859.5	8099.9	8303.4	8435.5	8610.9	8836.0	8877.2
20°	7407.0	7456.8	7662.5	7970.0	8331.6	8582.7	8738.6	8766.8	8853.4	9054.7	9102.4
22.5°	7801.1	7844.4	8073.9	8439.8	8844.7	9117.5	9199.8	9087.2	9078.5	9240.9	9286.4
25°	8240.6	8279.6	8545.9	8957.3	9392.5	9693.4	9691.3	9472.6	9321.0	9446.6	9494.2
27.5°	8734.3	8794.9	9050.4	9483.4	9948.9	10245.6	10228.2	9890.5	9602.5	9635.0	9676.1
30°	9301.5	9368.7	9617.7	10057.2	10522.7	10812.8	10791.2	10345.2	9912.1	9825.5	9855.8
32.5°	10005.2	10085.3	10321.3	10754.4	11165.8	11427.7	11365.0	10838.8	10284.5	10096.2	10124.3
35°	10851.8	10899.4	11148.4	11575.0	11908.4	12088.1	11956.0	11410.4	10756.5	10529.2	10529.2
37.5°	11709.2	11746.0	12025.3	12438.9	12761.5	12856.7	12599.1	12036.2	11373.6	11051.0	11057.5
40°	12532.0	12631.6	12945.5	13369.9	13688.2	13714.2	13372.1	12750.7	12060.0	11726.5	11765.5
42.5°	13391.5	13489.0	13863.6	14344.2	14625.7	14669.0	14268.4	13551.8	12835.1	12564.5	12607.8
45°	14158.0	14236.0	14669.0	15227.6	15578.4	15691.0	15216.8	14469.8	13673.0	13408.9	13419.7
47.5°	14692.8	14794.6	15270.9	15929.1	16440.1	16613.3	16147.8	15364.0	14497.9	14177.5	14205.6
50°	15177.8	15231.9	15714.8	16433.6	17083.2	17440.4	17042.0	16247.4	15331.5	14991.6	15021.9
52.5°	15448.5	15517.7	15985.4	16734.6	17503.2	18079.1	17836.6	17042.0	16137.0	15805.7	15842.5
55°	15260.1	15312.0	15872.8	16801.7	17763.0	18473.2	18510.0	17819.3	16927.3	16637.1	16741.1
57.5°	14402.7	14467.6	15151.8	16368.6	17795.5	18739.5	19016.6	18540.3	17665.6	17429.6	17490.2
60°	13062.4	13103.6	13833.2	15201.6	17163.3	18849.9	19339.3	19129.2	18388.7	18152.7	18235.0
62.5°	10674.3	10734.9	11607.4	13441.3	15827.4	18523.0	19651.0	19616.4	19062.1	18845.6	18919.2
65°	7296.6	7402.7	8368.4	10687.3	13768.3	17522.7	19934.7	20183.7	19657.5	19384.7	19482.2
67.5°	4406.1	4484.1	5183.4	7056.3	10535.7	15504.7	19642.4	20828.9	20077.6	19638.0	19718.2
68°	3938.4	4009.9	4594.5	6367.8	9745.4	14935.3	19376.1	20902.5	20123.0	19633.7	19705.2
70°	2379.5	2427.1	2819.0	3936.3	6497.7	11847.8	17559.5	20841.9	20413.2	19694.3	19735.5
72.5°	1550.3	1565.4	1630.4	2020.1	3319.2	6625.4	13179.4	19421.5	20848.4	20047.3	20040.8
75°	1288.3	1279.6	1286.1	1331.6	1636.9	2905.7	7701.5	15342.4	19874.0	19490.8	19354.4
77.5°	1089.1	1082.6	1080.4	1082.6	1095.6	1403.0	3343.0	9557.0	15208.1	17241.2	17362.5
80°	881.2	872.6	900.7	887.7	848.7	872.6	1400.9	3975.2	7168.9	7712.3	7227.3
82.5°	640.9	608.4	729.7	695.0	662.5	614.9	773.0	1283.9	1710.5	1173.5	824.9
85°	493.7	459.0	554.3	532.6	454.7	313.9	459.0	627.9	692.9	396.2	311.8
87.5°	201.4	212.2	400.6	316.1	266.3	151.6	188.4	251.2	337.8	168.9	129.9
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)