

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: P316627

Luminaire Tested: **GAN-SA3A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316627
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-SA3A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11877 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

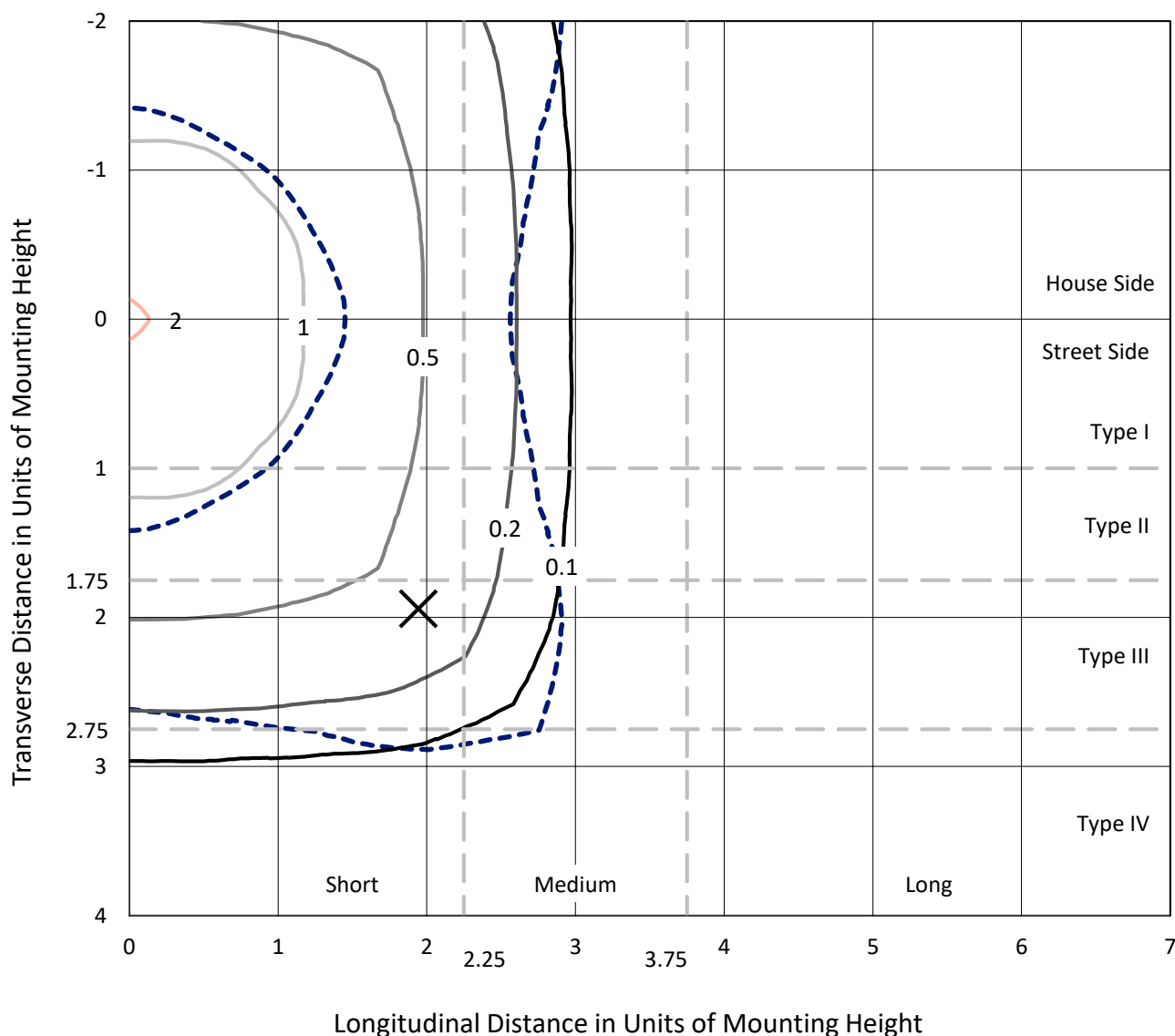
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316627
 CATALOG NUMBER: GAN-SA3A-830-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

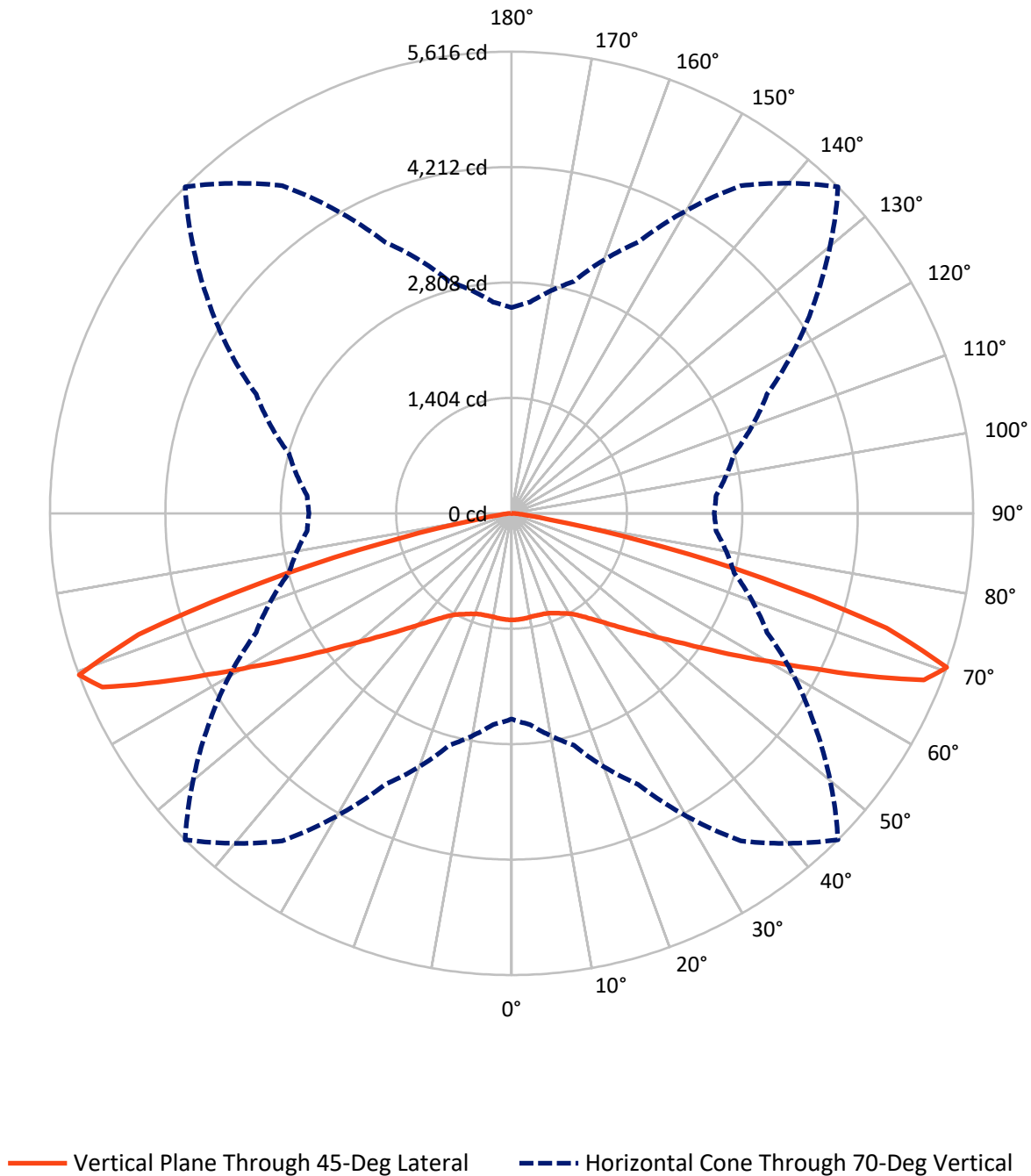
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316627
CATALOG NUMBER: GAN-SA3A-830-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316627

CATALOG NUMBER: GAN-SA3A-830-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5938.5	0.0	5938.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5938.5	0.0	5938.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11877.0	0.0	11877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	1.0
10°-20°	360.7	3.0
20°-30°	614.0	5.2
30°-40°	973.8	8.2
40°-50°	1584.6	13.3
50°-60°	2612.7	22.0
60°-70°	3835.5	32.3
70°-80°	1696.1	14.3
80°-90°	76.8	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°	11877.0	100.0
0°-180°	11877.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316627

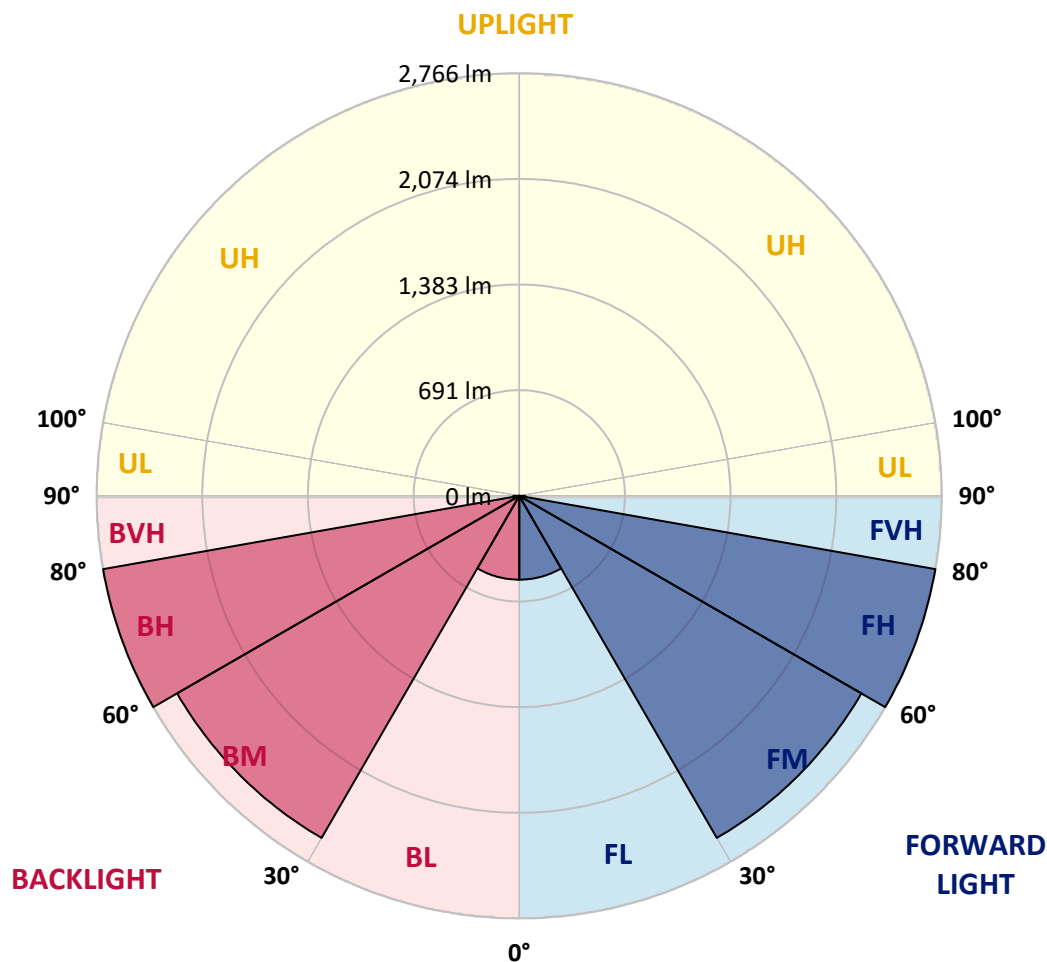
CATALOG NUMBER: GAN-SA3A-830-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.7	4.6			
FM	(30°-60°)	2585.5	21.8			
FH	(60°-80°)	2765.8	23.3			G2/5000
FVH	(80°-90°)	38.4	0.3			G1/100
BL	(0°-30°)	548.7	4.6	B2/1000		
BM	(30°-60°)	2585.5	21.8	B3/5000		
BH	(60°-80°)	2765.8	23.3	B4/5000		G2/5000
BVH	(80°-90°)	38.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P316627

CATALOG NUMBER: GAN-SA3A-830-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2	1297.2
2.5°	1295.2	1294.0	1296.8	1296.4	1294.0	1294.4	1294.4	1295.6	1295.6	1294.8	1294.8
5°	1290.5	1289.7	1292.8	1292.8	1290.5	1291.3	1292.0	1293.2	1292.8	1292.0	1291.7
7.5°	1284.6	1284.2	1287.3	1287.3	1285.8	1286.5	1285.8	1286.1	1285.4	1284.6	1283.4
10°	1274.7	1275.5	1278.3	1279.1	1279.1	1279.5	1278.7	1276.7	1275.5	1274.4	1273.2
12.5°	1265.7	1265.3	1269.2	1271.2	1274.4	1277.9	1275.5	1270.0	1267.7	1265.3	1264.5
15°	1259.8	1260.2	1264.1	1267.7	1273.2	1280.6	1277.9	1269.2	1264.5	1261.8	1261.0
17.5°	1258.6	1259.4	1264.5	1270.8	1276.7	1285.0	1283.4	1274.7	1266.9	1261.8	1260.6
20°	1261.4	1261.8	1269.6	1278.7	1288.9	1296.8	1293.2	1283.8	1273.2	1265.3	1263.3
22.5°	1266.5	1268.1	1277.9	1292.0	1307.8	1318.4	1314.1	1297.9	1281.4	1271.6	1268.9
25°	1282.6	1283.0	1296.4	1315.6	1334.5	1346.7	1341.6	1318.8	1297.5	1286.5	1283.0
27.5°	1316.0	1317.2	1330.6	1353.0	1369.1	1376.9	1373.8	1355.3	1337.2	1325.5	1326.6
30°	1364.4	1365.9	1380.9	1405.6	1415.5	1417.4	1416.6	1408.0	1391.5	1375.8	1376.9
32.5°	1423.3	1424.1	1444.2	1466.6	1474.4	1476.0	1474.4	1466.6	1446.9	1425.7	1426.9
35°	1499.2	1501.6	1520.8	1542.4	1548.7	1551.9	1549.1	1538.9	1518.5	1497.6	1496.8
37.5°	1592.7	1593.1	1613.2	1635.6	1643.5	1644.2	1641.1	1634.4	1608.9	1590.0	1588.8
40°	1701.2	1702.8	1726.4	1750.4	1753.5	1750.0	1754.3	1750.4	1724.0	1702.4	1706.0
42.5°	1833.3	1836.8	1865.1	1888.7	1879.7	1877.7	1880.5	1881.7	1860.4	1834.1	1831.7
45°	1987.0	1990.1	2025.5	2044.4	2038.5	2025.5	2031.0	2040.5	2011.0	1978.4	1981.5
47.5°	2162.3	2170.2	2207.9	2225.6	2211.1	2193.4	2204.0	2218.1	2183.5	2143.1	2141.1
50°	2357.3	2367.1	2417.4	2442.2	2427.6	2395.0	2412.7	2422.1	2372.2	2319.9	2315.6
52.5°	2565.2	2575.0	2638.3	2689.4	2680.0	2629.3	2654.1	2644.2	2586.8	2516.5	2511.0
55°	2800.7	2804.6	2873.0	2955.5	2965.0	2927.6	2926.1	2909.9	2825.0	2743.7	2739.7
57.5°	3042.8	3045.6	3134.0	3231.5	3275.9	3275.9	3231.9	3197.7	3084.9	2990.5	2980.7
60°	3304.2	3314.0	3411.9	3544.4	3648.1	3678.8	3601.0	3507.8	3385.2	3270.0	3258.6
62.5°	3536.9	3548.3	3698.1	3895.4	4062.1	4173.7	3983.4	3831.7	3608.4	3423.7	3402.1
65°	3566.4	3597.0	3815.2	4172.5	4545.5	4768.4	4403.6	4029.8	3623.0	3366.3	3344.3
67.5°	3257.0	3308.9	3603.7	4159.9	4930.8	5409.1	4672.1	3916.6	3362.0	3078.2	3053.8
70°	2502.7	2578.2	2918.2	3638.7	4864.3	5615.5	4503.9	3428.8	2803.0	2497.6	2463.4
72.5°	1373.0	1404.1	1709.9	2491.7	3899.7	4772.0	3756.6	2535.3	1858.9	1512.6	1455.2
75°	435.5	446.5	602.2	1019.6	2205.9	3160.7	2386.4	1244.5	685.1	505.1	499.2
77.5°	193.4	194.6	217.8	297.6	759.8	1601.4	912.7	338.8	233.5	204.0	210.7
80°	122.2	122.2	134.8	147.4	206.8	465.0	246.9	161.2	137.6	127.7	130.5
82.5°	58.6	64.9	87.7	94.3	113.6	156.4	126.6	105.3	92.0	68.4	63.7
85°	38.5	32.2	55.4	62.5	66.0	75.1	73.5	69.6	60.1	34.2	38.1
87.5°	17.3	16.5	28.7	26.3	24.8	18.9	28.3	35.0	33.8	16.9	16.9
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)