

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: P316945

Luminaire Tested: **GAN-SA1A-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316945
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-SA1A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3999 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

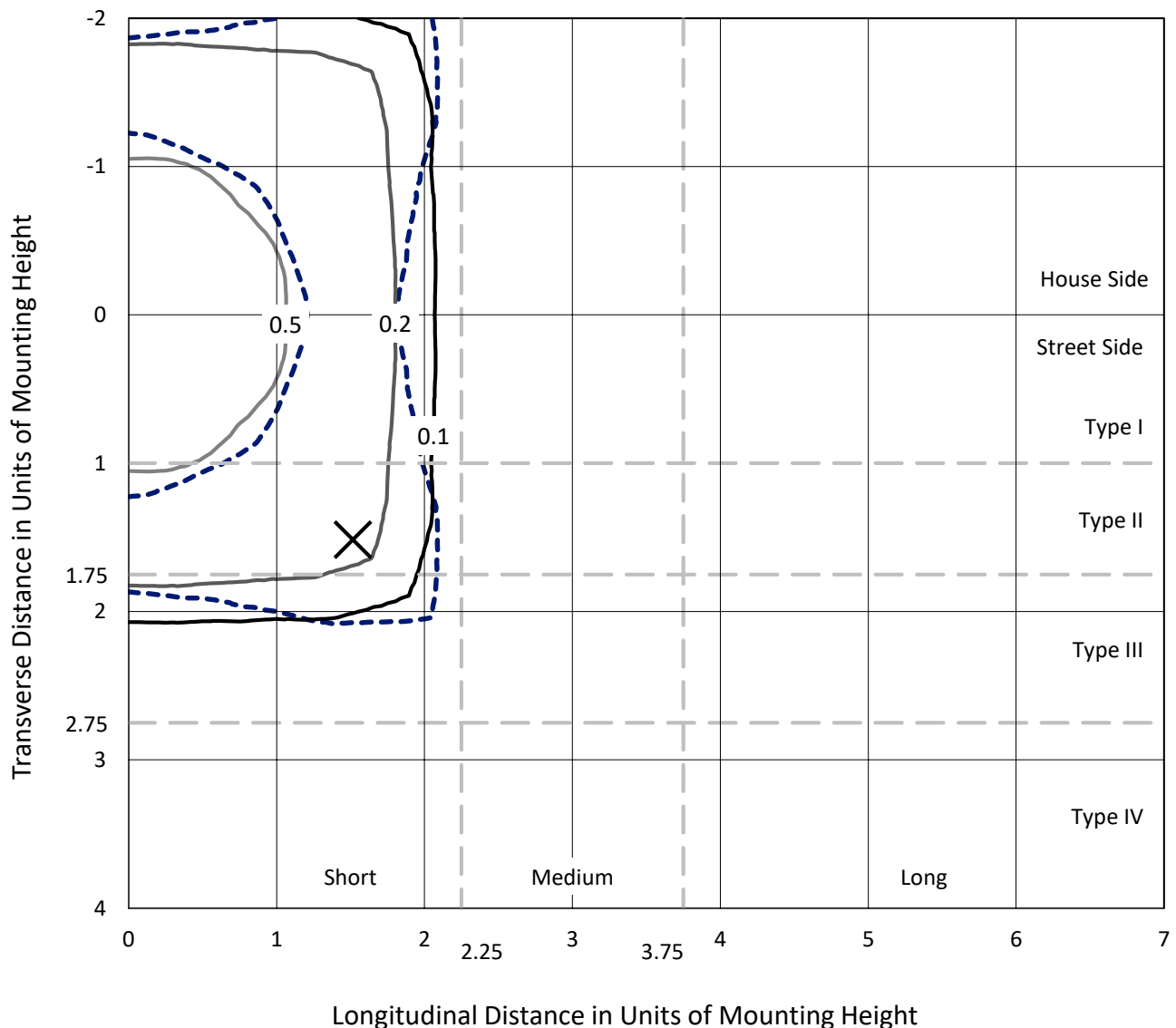
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316945
 CATALOG NUMBER: GAN-SA1A-830-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

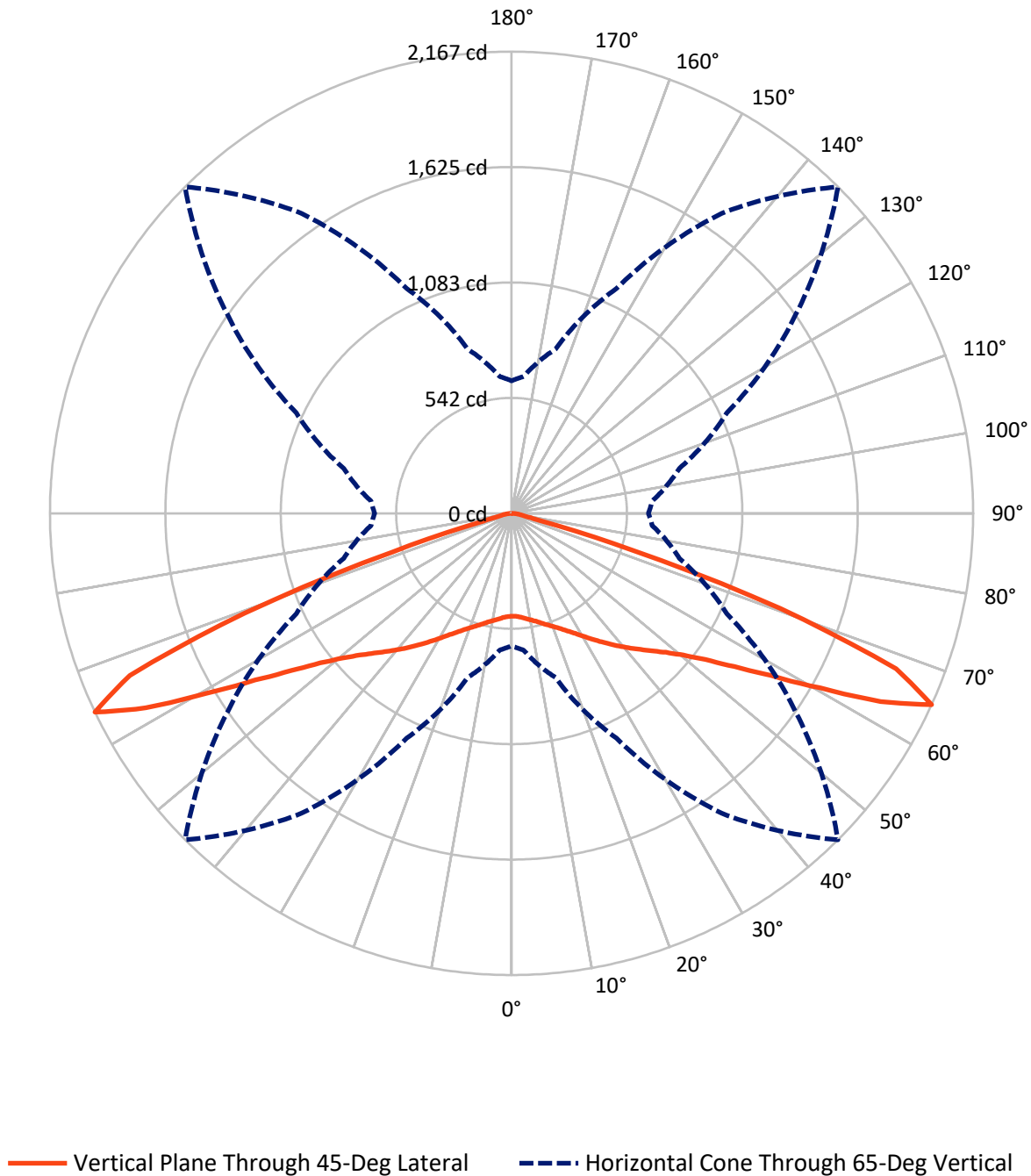
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316945
CATALOG NUMBER: GAN-SA1A-830-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316945

CATALOG NUMBER: GAN-SA1A-830-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1999.5	0.0	1999.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1999.5	0.0	1999.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3999.0	0.0	3999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.2
10°-20°	152.3	3.8
20°-30°	285.7	7.1
30°-40°	472.6	11.8
40°-50°	731.9	18.3
50°-60°	1122.6	28.1
60°-70°	1047.5	26.2
70°-80°	121.9	3.0
80°-90°	17.1	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°	3999.0	100.0
0°-180°	3999.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316945

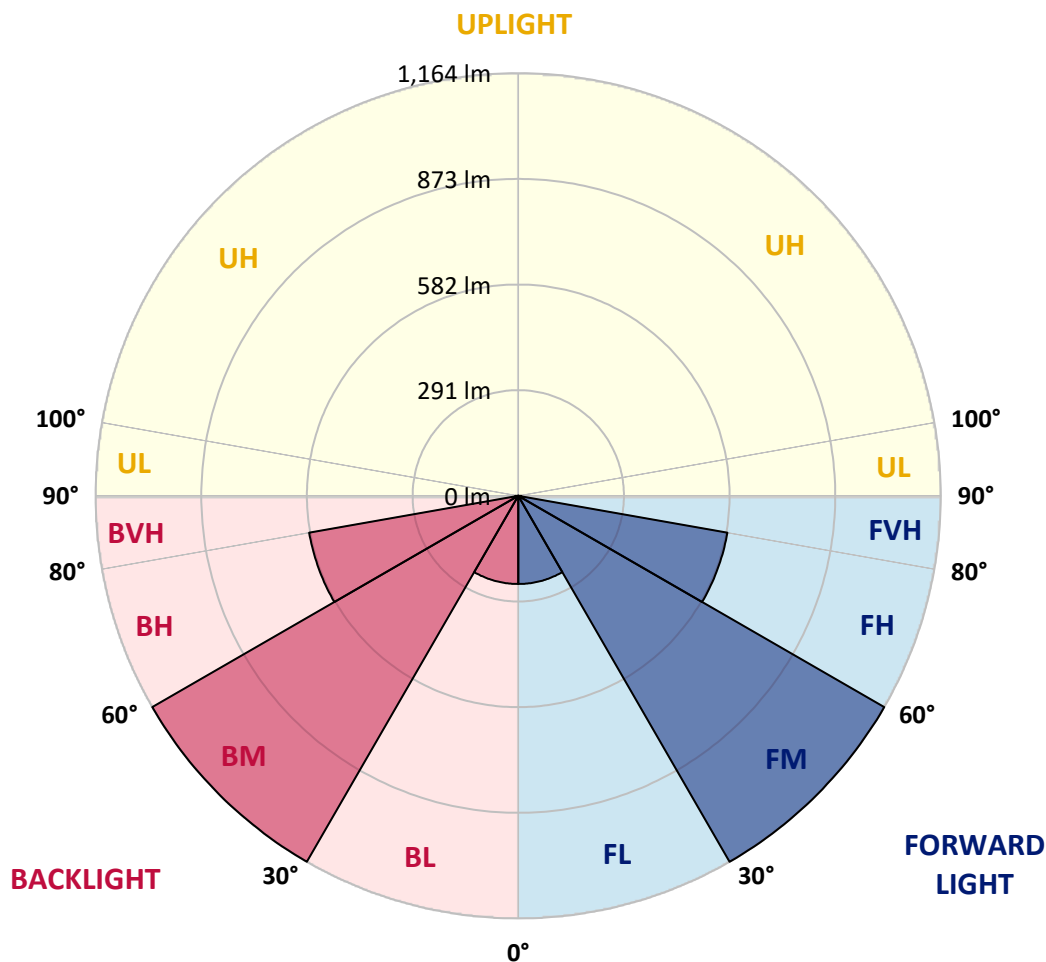
CATALOG NUMBER: GAN-SA1A-830-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.7	6.1			
FM	(30°-60°)	1163.5	29.1			
FH	(60°-80°)	584.7	14.6			G0/660
FVH	(80°-90°)	8.6	0.2			G0/10
BL	(0°-30°)	242.7	6.1	B1/500		
BM	(30°-60°)	1163.5	29.1	B2/2500		
BH	(60°-80°)	584.7	14.6	B2/1000		G0/660
BVH	(80°-90°)	8.6	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P316945

CATALOG NUMBER: GAN-SA1A-830-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	482.9	482.9	482.9	482.9	482.9	482.9	482.9	482.9	482.9	482.9	482.9
2.5°	484.5	484.3	484.5	484.7	483.9	484.3	484.1	484.8	485.1	484.8	484.8
5°	490.1	489.7	490.2	490.9	489.8	490.1	489.7	490.5	490.8	490.2	490.6
7.5°	497.8	497.9	498.5	499.7	499.0	499.5	498.7	498.9	498.7	497.9	498.1
10°	506.2	506.3	507.2	508.8	509.1	509.1	508.5	508.2	507.6	507.1	507.2
12.5°	516.2	516.9	517.6	519.6	519.6	520.6	520.4	519.3	518.4	517.6	517.6
15°	529.9	529.8	530.6	532.6	533.5	535.2	535.2	533.8	532.6	531.8	531.5
17.5°	544.3	544.7	545.2	547.6	549.0	551.0	551.3	550.1	549.3	548.2	547.6
20°	561.0	561.6	563.8	564.7	566.0	567.9	568.6	568.3	567.5	567.0	567.1
22.5°	580.5	582.2	583.6	584.9	586.5	587.8	588.5	589.4	588.6	588.2	587.9
25°	604.1	605.3	608.0	610.4	611.4	611.8	612.6	614.0	613.8	612.9	612.9
27.5°	630.9	633.2	636.5	640.0	640.0	638.6	641.3	643.6	642.8	641.6	640.0
30°	663.5	665.6	669.4	674.2	671.8	670.9	674.5	678.6	677.4	675.4	675.1
32.5°	698.5	700.5	705.5	710.7	707.7	706.3	710.2	716.2	714.0	710.1	707.7
35°	736.5	738.5	745.6	751.9	746.7	744.4	747.6	754.1	750.4	743.0	741.1
37.5°	777.8	778.8	788.1	794.5	790.9	784.9	788.9	793.7	790.5	781.5	777.9
40°	820.6	824.5	835.2	842.7	836.4	827.0	833.6	840.3	835.5	824.0	817.8
42.5°	870.7	873.6	887.9	894.6	884.5	871.2	880.2	889.3	884.5	873.3	868.0
45°	922.7	927.2	944.4	951.0	936.4	919.5	930.5	946.3	945.9	929.9	924.3
47.5°	979.4	983.9	1004.4	1013.1	997.3	974.8	990.3	1012.6	1011.0	993.3	988.8
50°	1044.8	1049.6	1075.1	1086.1	1071.4	1045.1	1068.5	1088.1	1085.2	1063.4	1063.8
52.5°	1127.0	1126.7	1158.5	1177.6	1162.5	1139.2	1160.7	1179.8	1167.8	1137.6	1136.7
55°	1199.0	1203.3	1242.6	1278.9	1277.9	1269.1	1277.7	1278.5	1244.0	1203.9	1199.0
57.5°	1246.2	1254.6	1309.9	1375.5	1424.6	1436.4	1419.7	1369.0	1288.2	1224.1	1216.2
60°	1217.1	1229.9	1316.8	1450.5	1595.2	1664.6	1570.3	1412.9	1253.8	1164.4	1153.8
62.5°	1020.9	1042.5	1169.8	1414.3	1742.0	1945.0	1679.4	1342.5	1117.1	994.0	975.8
65°	621.8	644.5	797.9	1164.0	1718.3	2166.9	1629.6	1114.3	815.3	662.3	642.6
67.5°	207.2	213.9	304.3	643.4	1350.4	1947.0	1352.7	667.0	354.8	235.2	228.3
70°	81.1	81.8	96.5	186.5	637.7	1337.3	703.7	189.8	100.9	79.8	81.5
72.5°	59.6	59.9	64.0	77.9	166.2	589.1	172.2	78.3	62.3	55.9	55.9
75°	47.9	47.9	50.8	56.8	74.5	135.1	75.5	56.2	48.7	44.6	44.1
77.5°	37.8	38.6	40.9	44.7	50.4	65.0	52.3	44.5	39.3	35.4	34.6
80°	28.1	28.9	32.7	34.5	36.2	45.1	38.6	34.8	31.1	26.5	25.8
82.5°	18.5	19.2	23.9	25.0	24.6	29.5	26.0	25.6	22.8	17.1	16.3
85°	12.1	12.3	15.9	16.6	15.3	13.4	16.6	17.5	15.9	11.2	10.8
87.5°	5.7	5.7	8.1	7.6	6.9	5.6	7.6	8.9	9.0	5.4	5.3
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)