

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: P316965

Luminaire Tested: **GAN-SA1C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316965
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-SA1C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6071 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

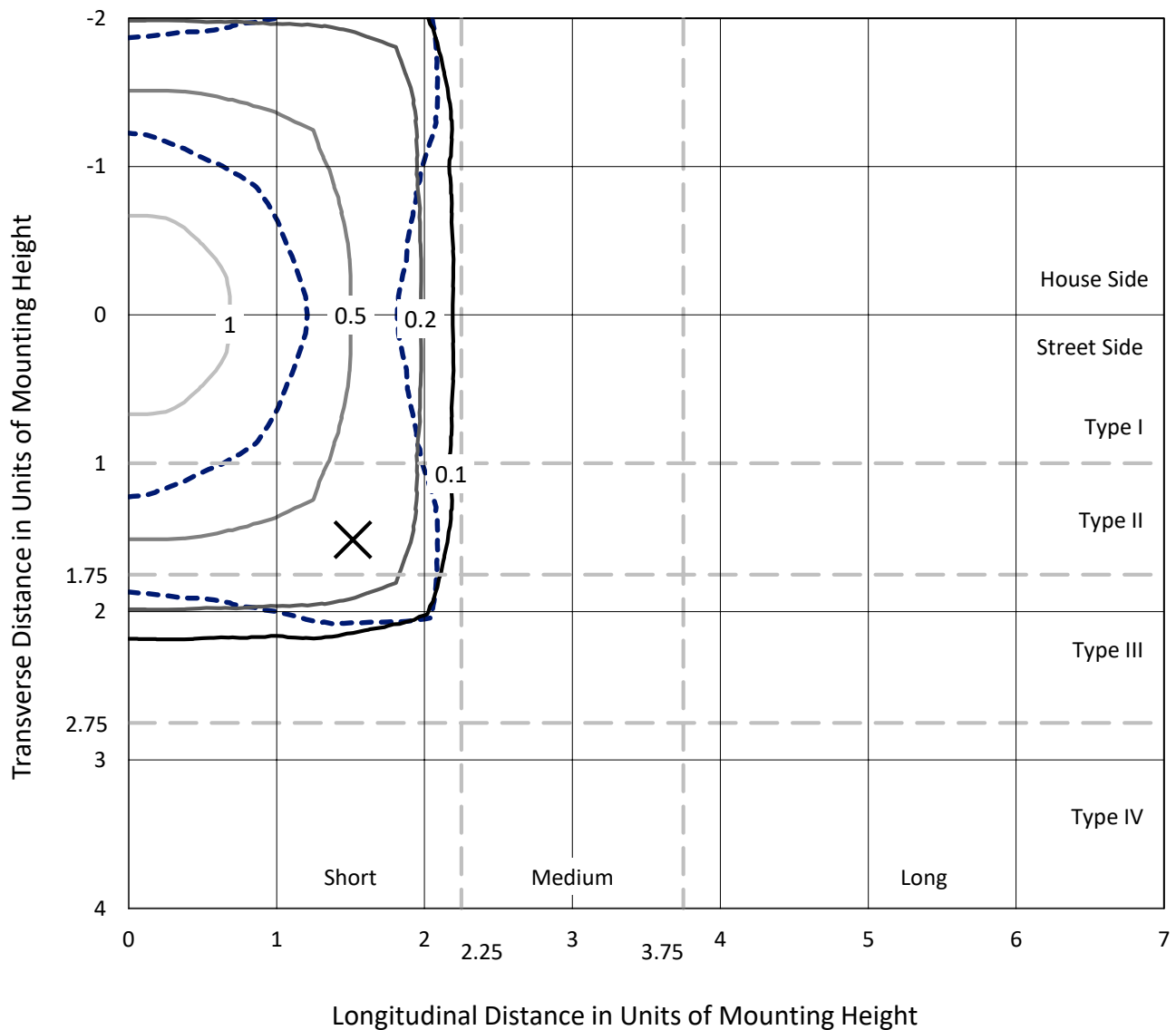
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316965
 CATALOG NUMBER: GAN-SA1C-830-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

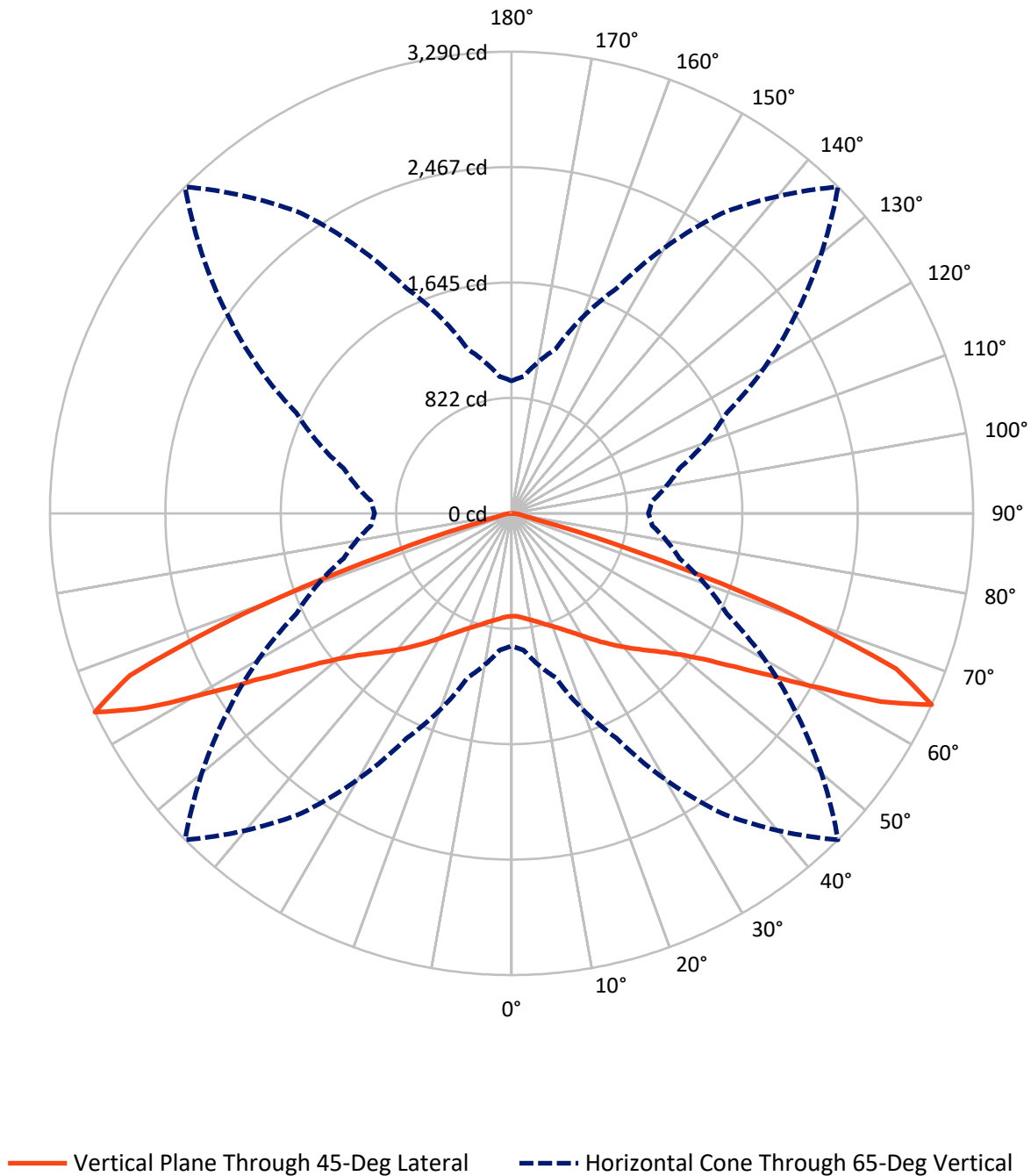
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P316965
CATALOG NUMBER: GAN-SA1C-830-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316965

CATALOG NUMBER: GAN-SA1C-830-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3035.5	0.0	3035.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3035.5	0.0	3035.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6071.0	0.0	6071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.2
10°-20°	231.2	3.8
20°-30°	433.8	7.1
30°-40°	717.4	11.8
40°-50°	1111.2	18.3
50°-60°	1704.2	28.1
60°-70°	1590.2	26.2
70°-80°	185.1	3.0
80°-90°	26.0	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°	6071.0	100.0
0°-180°	6071.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316965

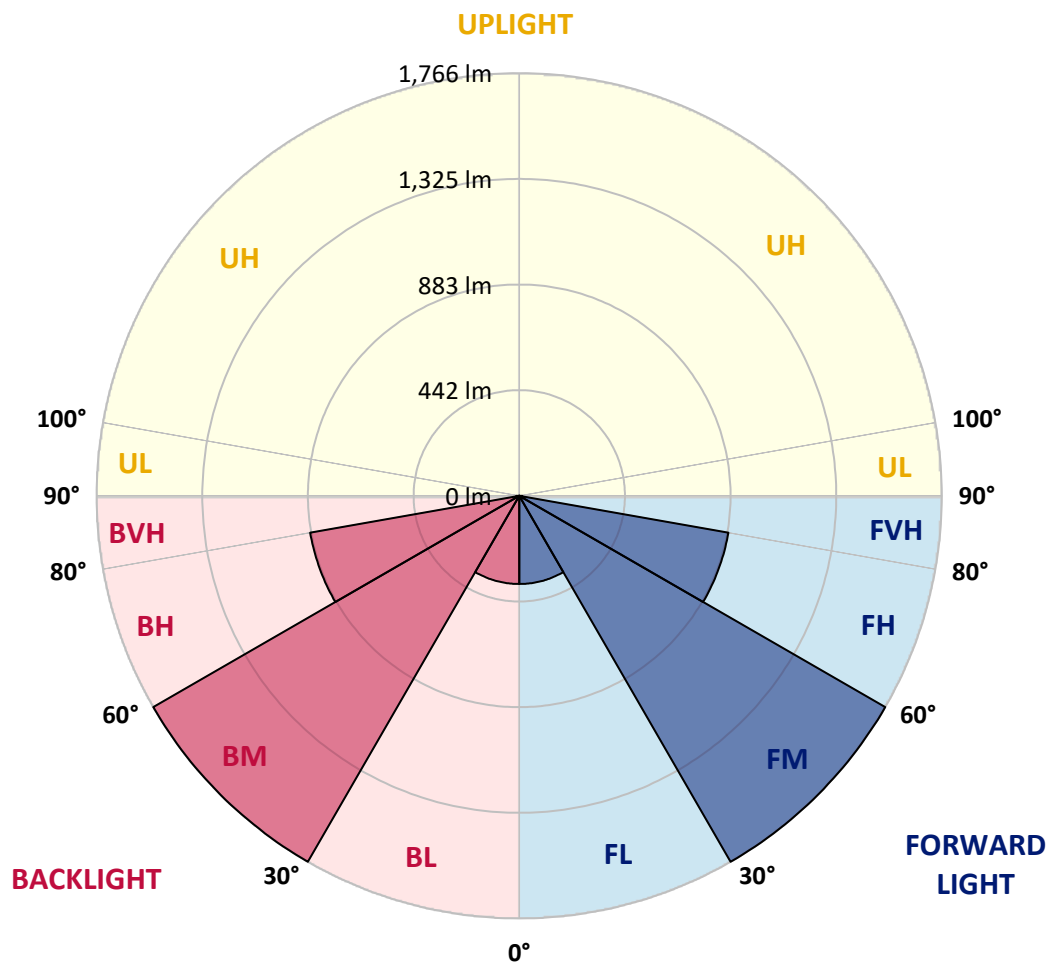
CATALOG NUMBER: GAN-SA1C-830-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.5	6.1			
FM	(30°-60°)	1766.4	29.1			
FH	(60°-80°)	887.6	14.6			G1/1800
FVH	(80°-90°)	13.0	0.2			G1/100
BL	(0°-30°)	368.5	6.1	B1/500		
BM	(30°-60°)	1766.4	29.1	B2/2500		
BH	(60°-80°)	887.6	14.6	B2/1000		G1/1800
BVH	(80°-90°)	13.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P316965

CATALOG NUMBER: GAN-SA1C-830-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2	733.2
2.5°	735.6	735.2	735.6	735.8	734.6	735.2	735.0	736.0	736.4	736.0	736.0
5°	744.0	743.4	744.2	745.2	743.6	744.0	743.4	744.6	745.0	744.2	744.8
7.5°	755.7	755.9	756.7	758.5	757.5	758.3	757.1	757.3	757.1	755.9	756.1
10°	768.4	768.6	770.0	772.4	772.9	772.9	772.0	771.4	770.6	769.8	770.0
12.5°	783.7	784.7	785.7	788.8	788.8	790.4	790.0	788.4	787.0	785.7	785.7
15°	804.5	804.3	805.5	808.5	809.9	812.6	812.6	810.3	808.5	807.3	806.9
17.5°	826.3	826.9	827.7	831.3	833.5	836.5	836.9	835.1	833.9	832.3	831.3
20°	851.6	852.7	855.9	857.3	859.3	862.1	863.1	862.7	861.5	860.7	860.9
22.5°	881.3	883.9	885.9	887.9	890.3	892.4	893.4	894.8	893.6	893.0	892.6
25°	917.1	919.0	923.0	926.6	928.2	928.8	930.0	932.1	931.9	930.4	930.4
27.5°	957.9	961.3	966.3	971.6	971.6	969.5	973.6	977.0	975.8	974.0	971.6
30°	1007.2	1010.4	1016.3	1023.5	1019.9	1018.5	1024.0	1030.2	1028.4	1025.4	1025.0
32.5°	1060.4	1063.5	1071.1	1079.0	1074.3	1072.3	1078.2	1087.2	1084.0	1078.0	1074.3
35°	1118.1	1121.1	1132.0	1141.4	1133.6	1130.2	1135.0	1144.9	1139.2	1127.9	1125.1
37.5°	1180.7	1182.4	1196.5	1206.1	1200.7	1191.6	1197.7	1204.9	1200.1	1186.4	1180.9
40°	1245.8	1251.7	1268.0	1279.3	1269.8	1255.5	1265.6	1275.7	1268.4	1250.9	1241.6
42.5°	1321.8	1326.2	1348.0	1358.1	1342.8	1322.6	1336.3	1350.0	1342.8	1325.8	1317.8
45°	1400.8	1407.7	1433.7	1443.7	1421.6	1396.0	1412.7	1436.7	1436.1	1411.7	1403.2
47.5°	1486.9	1493.7	1524.7	1538.0	1514.1	1479.8	1503.4	1537.2	1534.8	1508.0	1501.2
50°	1586.2	1593.5	1632.2	1648.9	1626.5	1586.6	1622.1	1651.9	1647.5	1614.4	1615.0
52.5°	1711.0	1710.5	1758.7	1787.7	1764.8	1729.5	1762.1	1791.2	1772.8	1727.1	1725.7
55°	1820.2	1826.8	1886.5	1941.5	1940.1	1926.6	1939.7	1940.9	1888.5	1827.6	1820.2
57.5°	1891.9	1904.6	1988.7	2088.2	2162.8	2180.7	2155.3	2078.3	1955.6	1858.3	1846.4
60°	1847.8	1867.1	1999.1	2202.1	2421.7	2527.1	2383.8	2145.0	1903.4	1767.8	1751.7
62.5°	1549.9	1582.6	1775.8	2147.1	2644.6	2952.8	2549.5	2038.0	1695.8	1509.0	1481.4
65°	943.9	978.4	1211.4	1767.2	2608.5	3289.7	2473.9	1691.6	1237.8	1005.4	975.6
67.5°	314.6	324.7	461.9	976.8	2050.1	2955.8	2053.5	1012.7	538.7	357.1	346.6
70°	123.1	124.1	146.5	283.1	968.1	2030.2	1068.3	288.2	153.2	121.1	123.7
72.5°	90.5	90.9	97.1	118.3	252.3	894.4	261.4	118.9	94.5	84.8	84.8
75°	72.8	72.8	77.2	86.3	113.1	205.2	114.7	85.2	74.0	67.7	66.9
77.5°	57.4	58.6	62.1	67.9	76.6	98.7	79.4	67.5	59.7	53.8	52.6
80°	42.7	43.9	49.6	52.4	55.0	68.5	58.6	52.8	47.2	40.3	39.1
82.5°	28.0	29.2	36.3	37.9	37.3	44.7	39.5	38.9	34.7	26.0	24.8
85°	18.3	18.7	24.2	25.2	23.2	20.4	25.2	26.6	24.2	16.9	16.3
87.5°	8.7	8.7	12.3	11.5	10.5	8.5	11.5	13.5	13.7	8.3	8.1
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)