

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: P316706

Luminaire Tested: **GAN-SA2A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316706
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-SA2A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8225 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

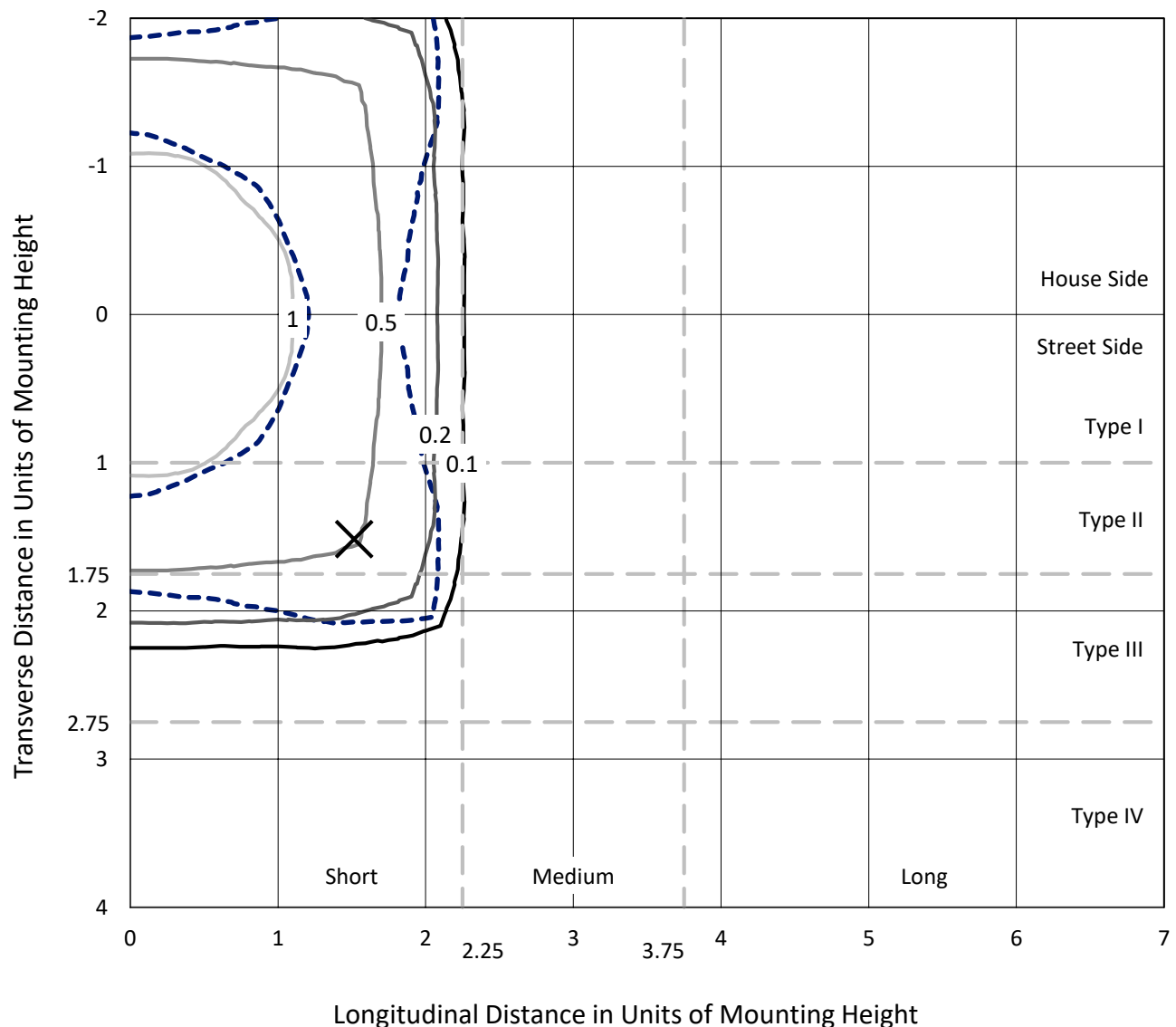
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316706
 CATALOG NUMBER: GAN-SA2A-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

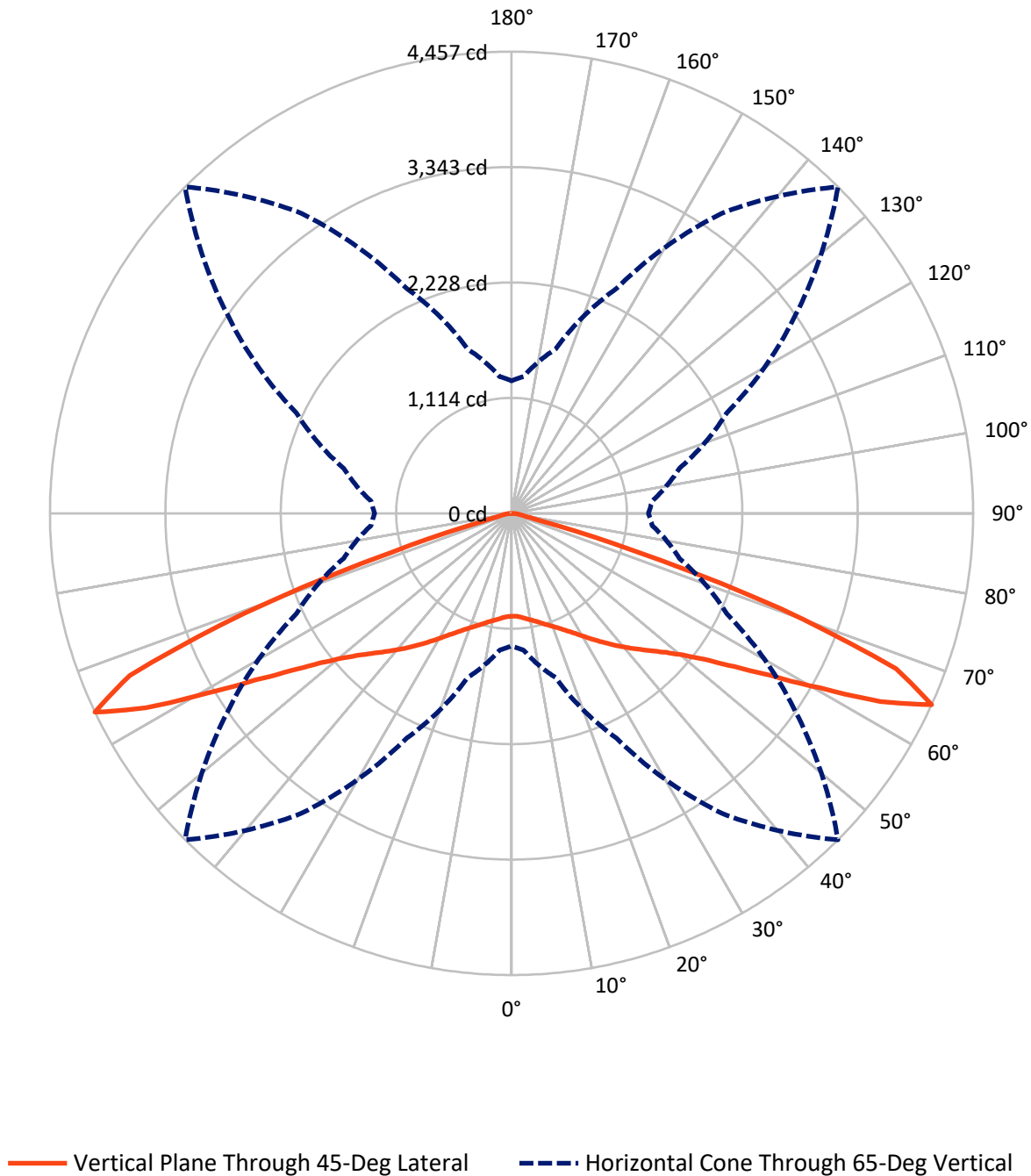
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P316706
CATALOG NUMBER: GAN-SA2A-727-U-5NQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4112.5	0.0	4112.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4112.5	0.0	4112.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8225.0	0.0	8225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	1.2
10°-20°	313.2	3.8
20°-30°	587.7	7.1
30°-40°	971.9	11.8
40°-50°	1505.4	18.3
50°-60°	2308.9	28.1
60°-70°	2154.4	26.2
70°-80°	250.7	3.0
80°-90°	35.2	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°	8225.0	100.0
0°-180°	8225.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316706

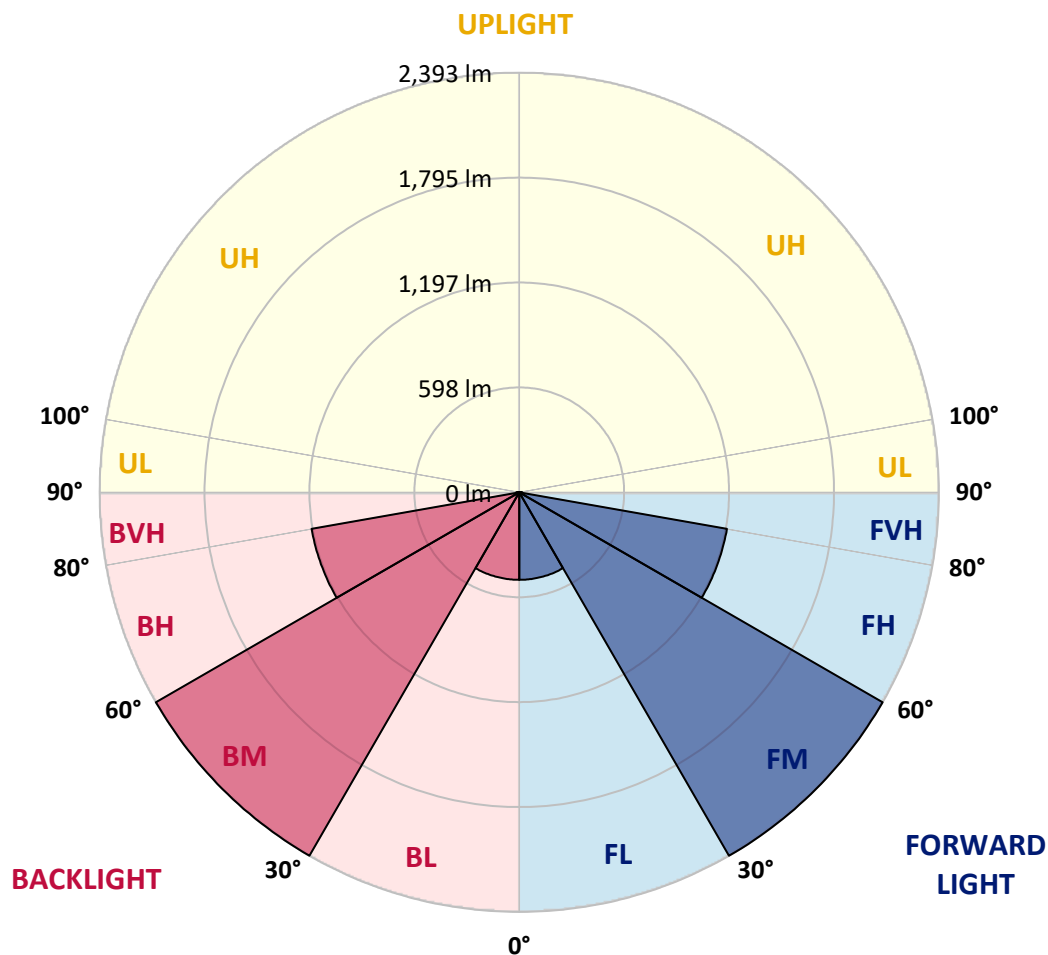
CATALOG NUMBER: GAN-SA2A-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.2	6.1			
FM	(30°-60°)	2393.1	29.1			
FH	(60°-80°)	1202.6	14.6			G1/1800
FVH	(80°-90°)	17.6	0.2			G1/100
BL	(0°-30°)	499.2	6.1	B1/500		
BM	(30°-60°)	2393.1	29.1	B2/2500		
BH	(60°-80°)	1202.6	14.6	B3/2500		G1/1800
BVH	(80°-90°)	17.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3
2.5°	996.5	996.0	996.5	996.8	995.2	996.0	995.7	997.1	997.6	997.1	997.1
5°	1008.0	1007.2	1008.3	1009.7	1007.5	1008.0	1007.2	1008.8	1009.4	1008.3	1009.1
7.5°	1023.9	1024.1	1025.2	1027.7	1026.3	1027.4	1025.8	1026.0	1025.8	1024.1	1024.4
10°	1041.1	1041.3	1043.2	1046.5	1047.1	1047.1	1046.0	1045.1	1044.1	1043.0	1043.2
12.5°	1061.8	1063.2	1064.5	1068.6	1068.6	1070.8	1070.3	1068.1	1066.2	1064.5	1064.5
15°	1089.9	1089.7	1091.3	1095.4	1097.3	1100.8	1100.8	1097.8	1095.4	1093.7	1093.2
17.5°	1119.4	1120.2	1121.3	1126.2	1129.2	1133.3	1133.9	1131.4	1129.8	1127.6	1126.2
20°	1153.8	1155.2	1159.5	1161.5	1164.2	1168.0	1169.4	1168.8	1167.2	1166.1	1166.4
22.5°	1193.9	1197.5	1200.2	1203.0	1206.2	1209.0	1210.3	1212.2	1210.6	1209.8	1209.2
25°	1242.5	1245.0	1250.5	1255.4	1257.6	1258.4	1260.0	1262.8	1262.5	1260.6	1260.6
27.5°	1297.7	1302.3	1309.2	1316.3	1316.3	1313.5	1319.0	1323.6	1322.0	1319.5	1316.3
30°	1364.6	1369.0	1376.9	1386.7	1381.8	1379.9	1387.3	1395.7	1393.3	1389.2	1388.6
32.5°	1436.7	1440.8	1451.1	1461.8	1455.5	1452.8	1460.7	1473.0	1468.6	1460.4	1455.5
35°	1514.8	1518.9	1533.6	1546.4	1535.8	1531.1	1537.7	1551.1	1543.4	1528.1	1524.3
37.5°	1599.7	1601.9	1621.0	1634.1	1626.7	1614.4	1622.6	1632.4	1625.9	1607.3	1599.9
40°	1687.9	1695.8	1717.9	1733.2	1720.3	1701.0	1714.6	1728.3	1718.4	1694.7	1682.1
42.5°	1790.8	1796.8	1826.3	1839.9	1819.2	1791.9	1810.4	1829.0	1819.2	1796.2	1785.3
45°	1897.8	1907.1	1942.3	1956.0	1925.9	1891.3	1913.9	1946.4	1945.6	1912.6	1901.1
47.5°	2014.4	2023.7	2065.7	2083.7	2051.3	2004.8	2036.8	2082.7	2079.4	2043.1	2033.8
50°	2149.0	2158.8	2211.2	2233.9	2203.6	2149.5	2197.6	2238.0	2232.0	2187.2	2188.0
52.5°	2318.0	2317.5	2382.7	2422.0	2390.9	2343.1	2387.3	2426.7	2401.8	2339.8	2337.9
55°	2466.0	2475.0	2555.8	2630.3	2628.4	2610.1	2627.9	2629.5	2558.5	2476.1	2466.0
57.5°	2563.2	2580.4	2694.2	2829.1	2930.1	2954.4	2920.0	2815.7	2649.5	2517.6	2501.5
60°	2503.4	2529.6	2708.4	2983.4	3281.0	3423.8	3229.6	2906.1	2578.7	2395.0	2373.2
62.5°	2099.9	2144.1	2405.9	2908.8	3582.9	4000.4	3454.1	2761.1	2297.5	2044.4	2007.0
65°	1278.9	1325.5	1641.2	2394.2	3534.1	4456.9	3351.7	2291.8	1676.9	1362.1	1321.7
67.5°	426.2	439.8	625.8	1323.4	2777.5	4004.5	2782.1	1372.0	729.8	483.8	469.6
70°	166.8	168.2	198.5	383.6	1311.6	2750.5	1447.3	390.4	207.5	164.1	167.6
72.5°	122.6	123.1	131.6	160.3	341.8	1211.7	354.1	161.1	128.0	114.9	114.9
75°	98.6	98.6	104.6	116.9	153.2	277.9	155.4	115.5	100.2	91.7	90.6
77.5°	77.8	79.5	84.1	92.0	103.8	133.8	107.6	91.5	80.8	72.9	71.3
80°	57.9	59.5	67.2	71.0	74.5	92.8	79.5	71.5	63.9	54.6	53.0
82.5°	38.0	39.6	49.1	51.3	50.5	60.6	53.5	52.7	47.0	35.2	33.6
85°	24.8	25.4	32.8	34.1	31.4	27.6	34.1	36.0	32.8	22.9	22.1
87.5°	11.7	11.7	16.7	15.6	14.2	11.5	15.6	18.3	18.6	11.2	10.9
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)