

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: P316735

Luminaire Tested: **GAN-SA1D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316735
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-SA1D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7007 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

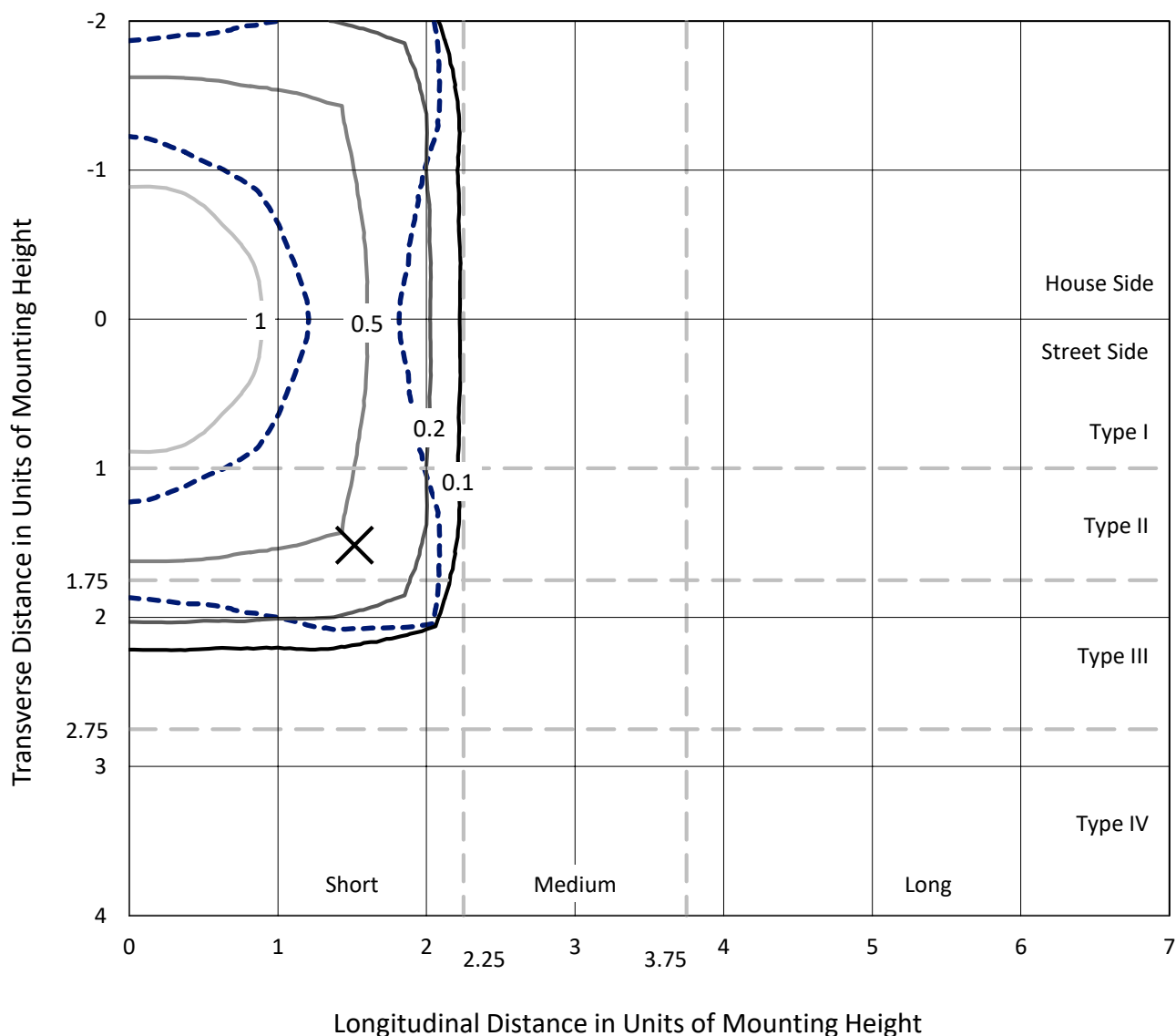
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316735
 CATALOG NUMBER: GAN-SA1D-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

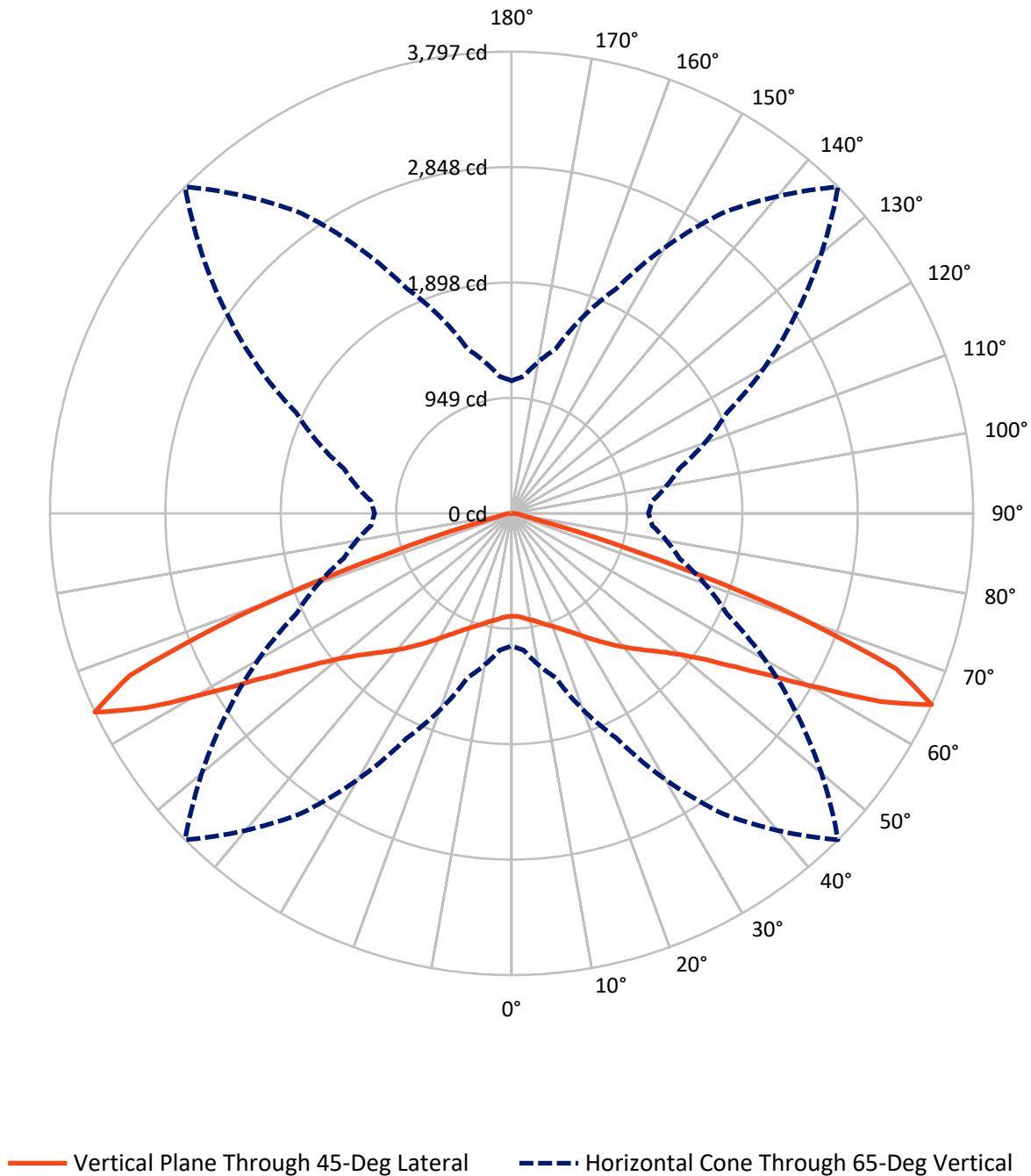
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

REPORT NUMBER: P316735
CATALOG NUMBER: GAN-SA1D-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316735

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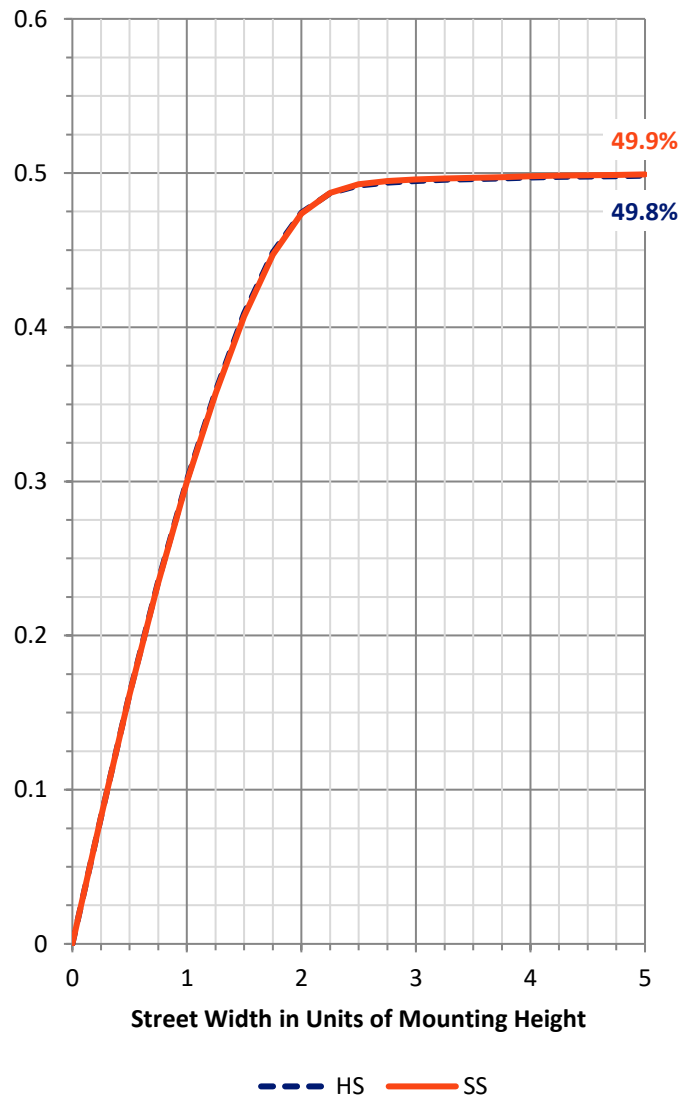
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3503.5	0.0	3503.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3503.5	0.0	3503.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7007.0	0.0	7007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.2
10°-20°	266.9	3.8
20°-30°	500.7	7.1
30°-40°	828.0	11.8
40°-50°	1282.5	18.3
50°-60°	1967.0	28.1
60°-70°	1835.4	26.2
70°-80°	213.6	3.0
80°-90°	30.0	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°	7007.0	100.0
0°-180°	7007.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316735

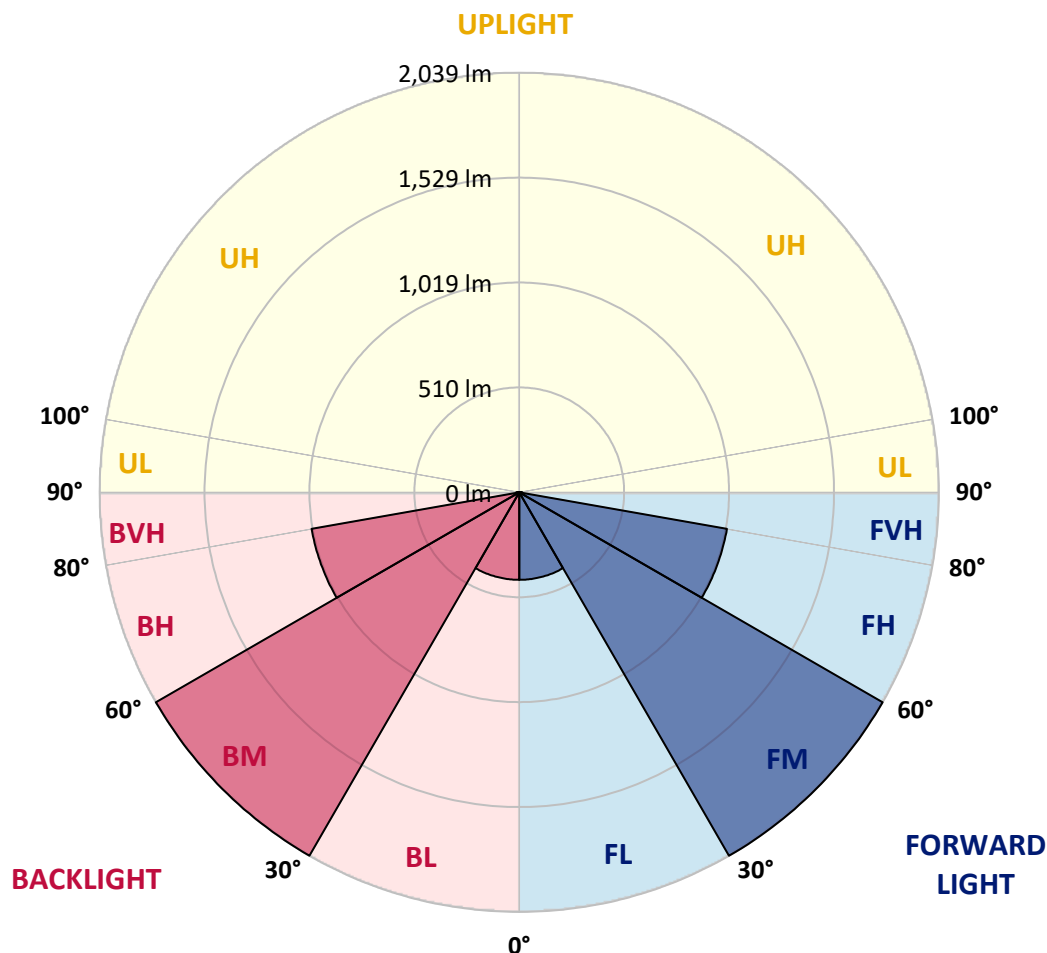
CATALOG NUMBER: GAN-SA1D-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	425.3	6.1			
FM	(30°-60°)	2038.7	29.1			
FH	(60°-80°)	1024.5	14.6			G1/1800
FVH	(80°-90°)	15.0	0.2			G1/100
BL	(0°-30°)	425.3	6.1	B1/500		
BM	(30°-60°)	2038.7	29.1	B2/2500		
BH	(60°-80°)	1024.5	14.6	B3/2500		G1/1800
BVH	(80°-90°)	15.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P316735

CATALOG NUMBER: GAN-SA1D-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	849.0	848.5	849.0	849.2	847.8	848.5	848.3	849.4	849.9	849.4	849.4
5°	858.7	858.0	859.0	860.1	858.3	858.7	858.0	859.4	859.9	859.0	859.7
7.5°	872.2	872.5	873.4	875.5	874.3	875.3	873.9	874.1	873.9	872.5	872.7
10°	886.9	887.1	888.7	891.5	892.0	892.0	891.1	890.4	889.4	888.5	888.7
12.5°	904.6	905.7	906.9	910.4	910.4	912.2	911.8	909.9	908.3	906.9	906.9
15°	928.5	928.3	929.7	933.2	934.8	937.8	937.8	935.3	933.2	931.8	931.3
17.5°	953.6	954.3	955.3	959.5	962.0	965.5	966.0	963.9	962.5	960.6	959.5
20°	983.0	984.1	987.8	989.5	991.8	995.0	996.2	995.7	994.3	993.4	993.6
22.5°	1017.1	1020.2	1022.5	1024.8	1027.6	1029.9	1031.1	1032.7	1031.3	1030.6	1030.2
25°	1058.5	1060.6	1065.3	1069.5	1071.3	1072.0	1073.4	1075.8	1075.5	1073.9	1073.9
27.5°	1105.5	1109.5	1115.3	1121.3	1121.3	1119.0	1123.7	1127.6	1126.2	1124.1	1121.3
30°	1162.5	1166.2	1173.0	1181.4	1177.2	1175.5	1181.8	1189.0	1186.9	1183.4	1183.0
32.5°	1223.9	1227.4	1236.2	1245.3	1240.0	1237.6	1244.4	1254.9	1251.1	1244.2	1240.0
35°	1290.4	1293.9	1306.5	1317.4	1308.4	1304.4	1310.0	1321.4	1314.9	1301.8	1298.6
37.5°	1362.8	1364.6	1380.9	1392.1	1385.8	1375.3	1382.3	1390.7	1385.1	1369.3	1363.0
40°	1437.9	1444.7	1463.5	1476.5	1465.6	1449.1	1460.7	1472.3	1464.0	1443.7	1433.0
42.5°	1525.6	1530.7	1555.8	1567.5	1549.8	1526.5	1542.3	1558.2	1549.8	1530.2	1520.9
45°	1616.8	1624.7	1654.7	1666.3	1640.7	1611.2	1630.5	1658.2	1657.5	1629.3	1619.6
47.5°	1716.1	1724.0	1759.8	1775.2	1747.5	1708.0	1735.2	1774.2	1771.5	1740.5	1732.6
50°	1830.8	1839.1	1883.8	1903.1	1877.3	1831.2	1872.2	1906.6	1901.5	1863.3	1864.0
52.5°	1974.7	1974.3	2029.9	2063.4	2036.8	1996.1	2033.8	2067.3	2046.1	1993.3	1991.7
55°	2100.8	2108.5	2177.3	2240.8	2239.2	2223.6	2238.7	2240.1	2179.7	2109.4	2100.8
57.5°	2183.6	2198.3	2295.3	2410.2	2496.2	2516.9	2487.6	2398.8	2257.1	2144.8	2131.0
60°	2132.7	2155.0	2307.4	2541.6	2795.1	2916.8	2751.4	2475.8	2196.9	2040.3	2021.7
62.5°	1788.9	1826.6	2049.6	2478.1	3052.4	3408.0	2942.6	2352.2	1957.3	1741.7	1709.8
65°	1089.5	1129.3	1398.1	2039.6	3010.7	3796.9	2855.3	1952.4	1428.6	1160.4	1126.0
67.5°	363.1	374.7	533.1	1127.4	2366.2	3411.5	2370.2	1168.8	621.7	412.2	400.1
70°	142.1	143.3	169.1	326.8	1117.4	2343.2	1233.0	332.6	176.8	139.8	142.8
72.5°	104.4	104.9	112.1	136.5	291.2	1032.3	301.7	137.2	109.1	97.9	97.9
75°	84.0	84.0	89.1	99.6	130.5	236.8	132.3	98.4	85.4	78.2	77.2
77.5°	66.3	67.7	71.6	78.4	88.4	114.0	91.6	77.9	68.8	62.1	60.7
80°	49.3	50.7	57.2	60.5	63.5	79.1	67.7	60.9	54.4	46.5	45.1
82.5°	32.3	33.7	41.9	43.7	43.0	51.6	45.6	44.9	40.0	30.0	28.6
85°	21.2	21.6	27.9	29.1	26.7	23.5	29.1	30.7	27.9	19.5	18.8
87.5°	10.0	10.0	14.2	13.3	12.1	9.8	13.3	15.6	15.8	9.5	9.3
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)