

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: P319595

Luminaire Tested: **GAN-SA1B-727-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-727-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

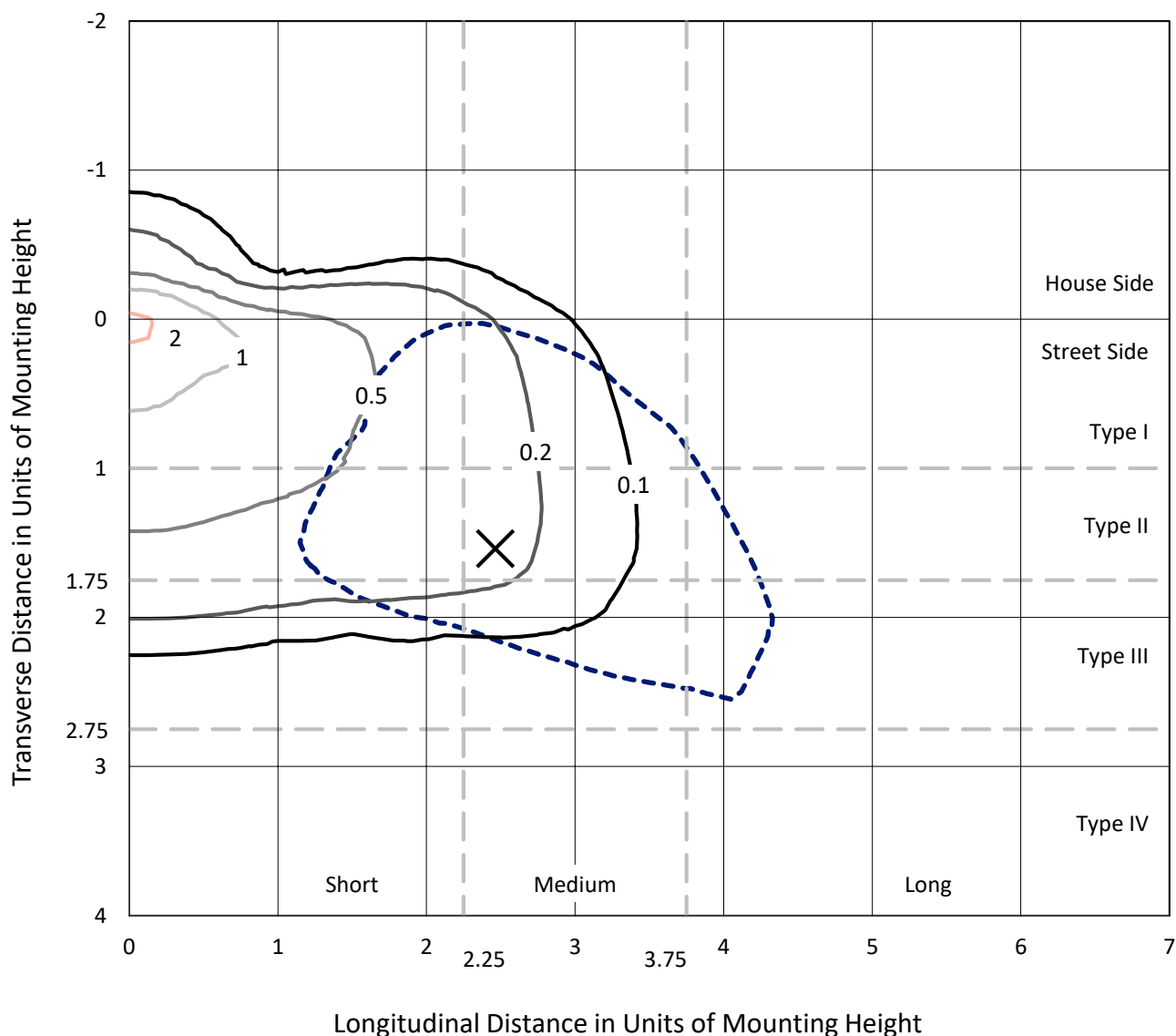
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

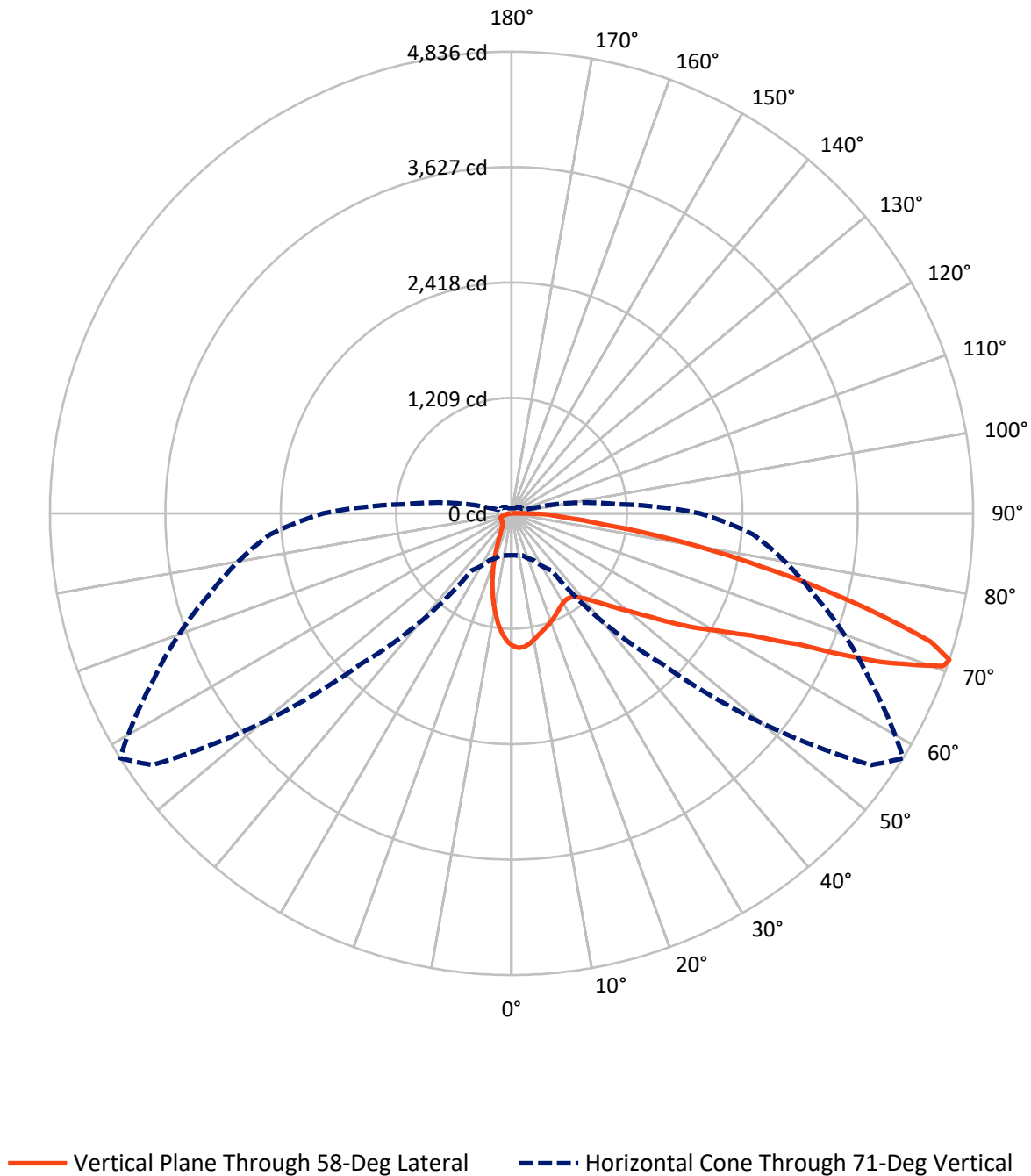
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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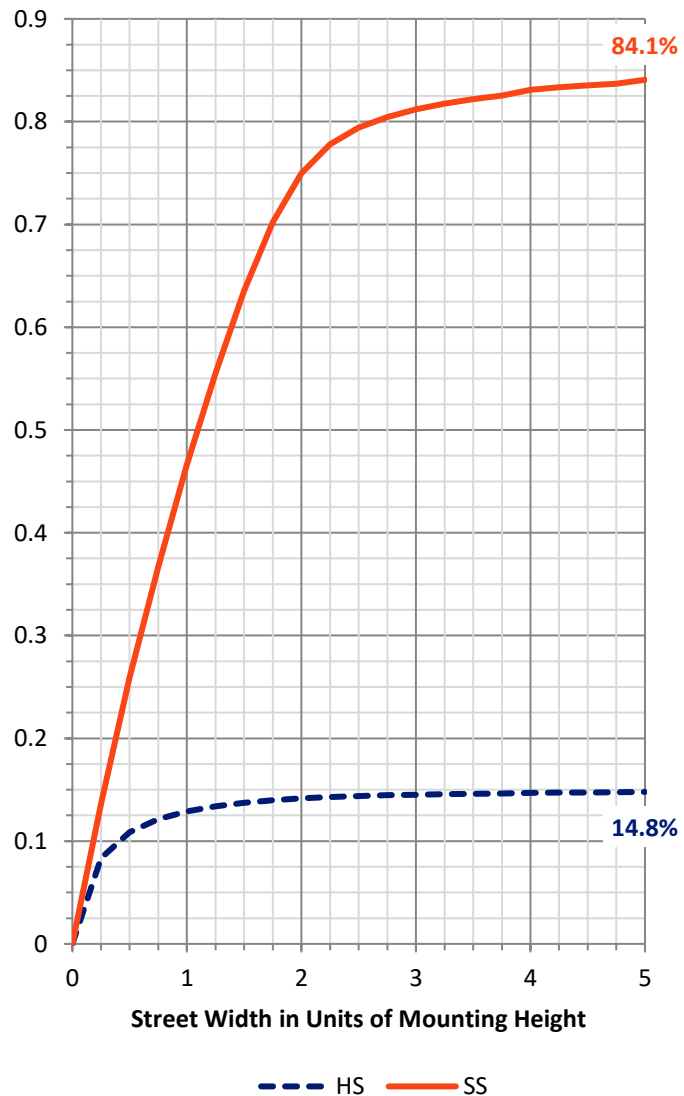
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.3	0.0	748.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4256.7	0.0	4256.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	5005.0	0.0	5005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	2.4
10°-20°	266.0	5.3
20°-30°	338.1	6.8
30°-40°	430.6	8.6
40°-50°	610.7	12.2
50°-60°	945.0	18.9
60°-70°	1286.6	25.7
70°-80°	858.3	17.1
80°-90°	150.1	3.0
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°	5005.0	100.0
0°-180°	5005.0	100.0

Coefficient of Utilization



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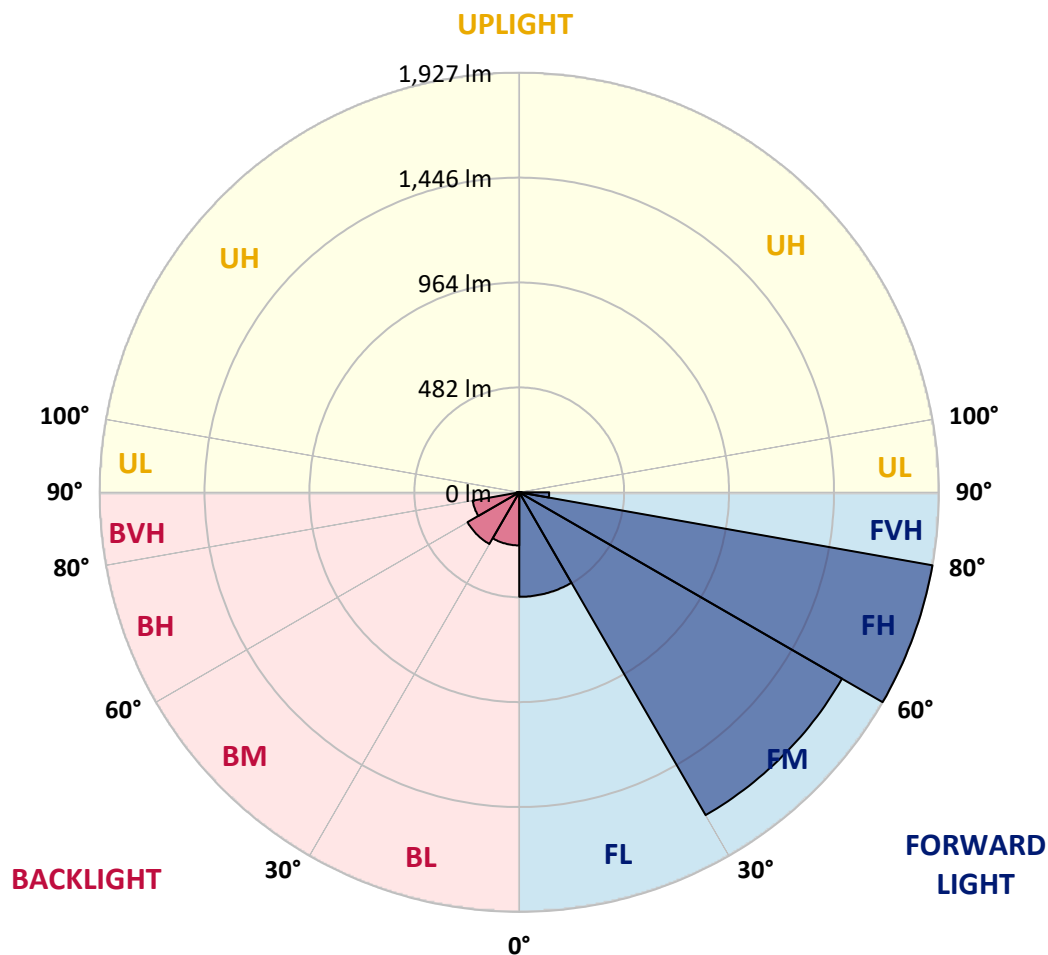
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	479.8	9.6			
FM	(30°-60°)	1712.0	34.2			
FH	(60°-80°)	1927.4	38.5			G2/5000
FVH	(80°-90°)	137.6	2.7			G2/225
BL	(0°-30°)	243.9	4.9	B1/500		
BM	(30°-60°)	274.4	5.5	B1/1000		
BH	(60°-80°)	217.5	4.3	B1/500		G1/500
BVH	(80°-90°)	12.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7
2.5°	1423.5	1421.6	1422.3	1420.9	1417.6	1414.3	1409.4	1410.3	1403.5	1393.3	1380.8
5°	1396.7	1396.0	1401.2	1404.2	1406.6	1404.7	1403.3	1405.0	1395.1	1381.1	1359.3
7.5°	1340.3	1332.7	1339.3	1349.2	1358.7	1365.8	1375.2	1376.4	1370.2	1355.5	1326.9
10°	1260.3	1253.0	1262.8	1278.3	1297.1	1314.2	1333.2	1336.7	1337.9	1324.7	1290.0
12.5°	1177.3	1171.8	1181.5	1203.3	1234.5	1260.8	1291.2	1296.4	1307.2	1298.3	1255.8
15°	1103.1	1101.0	1112.8	1134.3	1170.2	1210.5	1254.2	1263.8	1282.1	1279.2	1229.1
17.5°	1038.9	1038.4	1047.4	1069.9	1109.7	1160.6	1217.4	1233.6	1260.8	1264.3	1207.1
20°	991.1	990.1	996.4	1012.9	1053.9	1111.6	1177.7	1200.0	1239.2	1251.4	1184.5
22.5°	965.5	965.3	965.5	973.4	1006.8	1060.5	1139.0	1166.2	1218.1	1241.1	1159.4
25°	961.1	960.6	956.8	955.9	974.9	1017.8	1100.6	1130.6	1198.1	1234.0	1135.5
27.5°	972.5	973.2	968.1	959.9	963.8	989.7	1067.3	1099.4	1182.0	1232.6	1118.9
30°	996.0	995.7	991.3	982.8	975.3	979.3	1043.6	1075.7	1171.2	1238.7	1107.6
32.5°	1022.0	1023.9	1023.0	1018.3	1007.2	991.1	1036.5	1067.8	1168.1	1253.3	1102.7
35°	1053.2	1055.3	1061.6	1065.2	1052.2	1026.4	1051.8	1079.0	1177.2	1280.9	1110.6
37.5°	1082.8	1088.2	1105.9	1121.4	1110.2	1081.4	1092.6	1112.0	1205.2	1324.3	1131.7
40°	1117.0	1121.7	1150.5	1183.4	1181.7	1151.9	1158.3	1171.2	1254.7	1386.5	1169.8
42.5°	1150.7	1160.1	1201.7	1248.5	1261.9	1235.6	1245.9	1252.7	1324.5	1469.0	1236.4
45°	1195.5	1205.6	1263.5	1319.8	1351.2	1336.3	1352.7	1355.3	1412.2	1581.3	1333.2
47.5°	1263.3	1274.8	1342.3	1401.4	1449.3	1450.9	1477.9	1476.9	1521.7	1709.8	1455.1
50°	1368.9	1385.5	1440.8	1496.0	1554.3	1586.7	1622.8	1617.7	1652.9	1846.6	1595.4
52.5°	1507.4	1515.0	1556.0	1596.8	1669.2	1741.9	1793.6	1789.1	1801.8	1987.3	1754.8
55°	1650.8	1656.6	1673.5	1695.8	1793.1	1911.7	2021.2	2014.0	1981.8	2133.4	1912.2
57.5°	1779.9	1791.5	1803.2	1812.5	1917.9	2089.1	2253.9	2254.4	2177.0	2291.0	2074.8
60°	1799.9	1810.2	1887.4	1960.3	2131.5	2325.9	2503.0	2497.8	2379.1	2462.1	2256.2
62.5°	1591.0	1614.2	1743.2	1937.1	2337.2	2759.0	2820.9	2814.4	2620.7	2672.8	2467.3
65°	1140.2	1166.5	1322.2	1613.5	2237.5	3236.1	3394.4	3307.6	2950.2	2932.1	2714.5
67.5°	657.8	664.1	731.5	965.5	1703.7	3261.1	4269.5	4148.0	3461.9	3226.2	2835.5
70°	486.4	486.2	502.3	594.2	921.9	2661.5	4685.6	4794.6	4000.6	3323.0	2664.5
71°	439.9	440.4	458.3	540.8	730.1	2227.7	4597.2	4835.7	4142.6	3275.2	2540.7
72.5°	376.2	378.0	402.9	485.0	614.2	1536.3	4216.5	4588.9	4209.8	3157.3	2347.0
75°	285.4	289.4	323.9	408.8	561.4	779.1	3094.6	3664.3	3739.8	2786.0	1743.9
77.5°	203.6	208.2	247.2	343.8	533.7	587.2	2072.4	2672.8	2752.2	1785.4	786.6
80°	128.7	134.1	163.5	273.5	501.4	557.5	1302.3	1796.6	1500.7	571.3	200.1
82.5°	75.5	79.7	101.5	178.7	409.5	537.0	766.2	995.8	584.0	172.6	91.0
85°	43.8	45.7	63.3	113.8	297.4	506.8	563.0	556.7	253.5	84.4	43.1
87.5°	20.4	22.7	37.5	59.5	165.1	367.3	444.9	384.4	157.6	39.6	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7	1386.7
2.5°	1374.7	1371.7	1359.3	1348.4	1336.9	1321.9	1305.3	1303.2	1293.1	1295.0	1291.5
5°	1347.5	1340.0	1310.2	1283.2	1251.3	1222.7	1191.6	1177.3	1156.8	1155.4	1150.1
7.5°	1308.6	1294.7	1248.5	1197.2	1146.0	1097.1	1048.8	1017.1	984.7	970.9	969.7
10°	1264.9	1241.1	1173.2	1097.3	1023.4	952.1	883.0	832.0	785.9	764.1	763.3
12.5°	1223.4	1188.3	1095.0	991.8	890.7	798.3	703.6	636.5	578.8	559.5	551.3
15°	1188.1	1138.8	1019.0	887.1	764.3	636.0	528.3	457.6	404.3	385.8	382.3
17.5°	1154.0	1090.5	941.1	781.2	632.9	491.8	383.9	331.4	303.0	295.5	295.3
20°	1120.0	1040.8	859.7	673.0	505.8	367.9	295.2	271.6	262.0	261.2	259.8
22.5°	1081.4	988.2	774.1	564.3	394.7	289.2	250.9	241.5	240.2	243.4	243.4
25°	1045.4	935.9	687.3	458.0	307.0	241.3	224.0	222.1	225.4	231.0	231.5
27.5°	1011.7	885.5	602.5	363.5	246.0	212.5	205.4	207.6	213.6	220.0	220.2
30°	984.0	837.9	520.2	286.4	207.8	191.1	189.9	194.4	200.8	205.9	207.1
32.5°	962.5	797.3	440.7	230.3	182.9	175.0	176.1	179.9	183.9	186.7	188.6
35°	952.6	762.4	367.3	194.2	167.0	162.7	164.1	166.1	167.9	170.0	171.6
37.5°	954.4	735.4	301.8	171.7	156.4	154.1	154.1	154.1	154.1	155.2	155.3
40°	970.6	719.9	248.4	157.4	149.2	146.8	144.9	143.1	141.7	142.4	142.1
42.5°	1012.1	718.5	209.4	148.4	143.5	139.5	135.6	133.2	131.5	132.2	132.5
45°	1082.5	735.9	183.1	141.9	138.1	132.0	127.1	124.5	123.3	125.5	125.9
47.5°	1173.7	773.9	167.0	137.2	133.0	125.0	119.8	117.3	117.7	121.0	121.9
50°	1291.2	835.6	159.3	134.2	129.5	119.1	113.7	111.6	112.6	117.3	118.4
52.5°	1420.2	924.5	160.2	133.4	127.3	114.7	109.0	106.5	108.3	112.6	113.5
55°	1569.1	1031.4	174.7	134.6	124.0	111.9	105.1	100.9	102.3	106.3	107.0
57.5°	1734.5	1153.8	203.8	134.2	119.8	109.3	101.1	94.8	95.9	98.3	99.0
60°	1906.8	1301.6	249.0	135.3	117.9	106.2	95.7	87.9	87.5	89.6	90.0
62.5°	2113.6	1472.7	300.6	136.0	119.1	102.2	88.6	80.9	79.8	80.4	80.7
65°	2326.6	1596.5	281.2	133.2	122.9	98.9	82.3	74.1	72.2	71.8	72.0
67.5°	2333.2	1463.8	197.2	127.6	124.5	97.1	77.6	68.3	65.2	64.0	63.8
70°	2092.5	1189.2	153.6	121.7	118.2	94.3	73.2	63.6	58.9	57.0	56.8
71°	1975.0	1094.7	145.6	118.7	113.5	91.5	71.3	61.5	56.7	54.6	54.2
72.5°	1790.7	981.4	135.8	114.0	104.4	84.4	67.6	58.6	53.5	51.1	50.6
75°	1285.1	641.8	116.6	101.6	86.5	67.3	59.3	52.7	48.3	45.3	45.0
77.5°	495.1	255.4	88.2	84.6	66.3	52.7	48.8	45.5	42.4	39.4	39.2
80°	153.1	114.2	64.3	63.6	47.9	39.2	38.0	37.1	35.9	32.8	32.1
82.5°	81.8	65.6	44.3	41.1	31.4	26.2	27.5	27.9	28.1	24.8	24.4
85°	39.1	34.7	24.9	23.4	18.3	14.6	16.9	18.3	18.5	15.2	14.1
87.5°	18.7	18.1	11.7	8.9	6.8	4.9	5.9	7.3	8.0	5.8	5.1
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)