

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: P323595

Luminaire Tested: **GAN-SA1B-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5112 lumens
Efficiency: N/A
Efficacy: 116.2 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

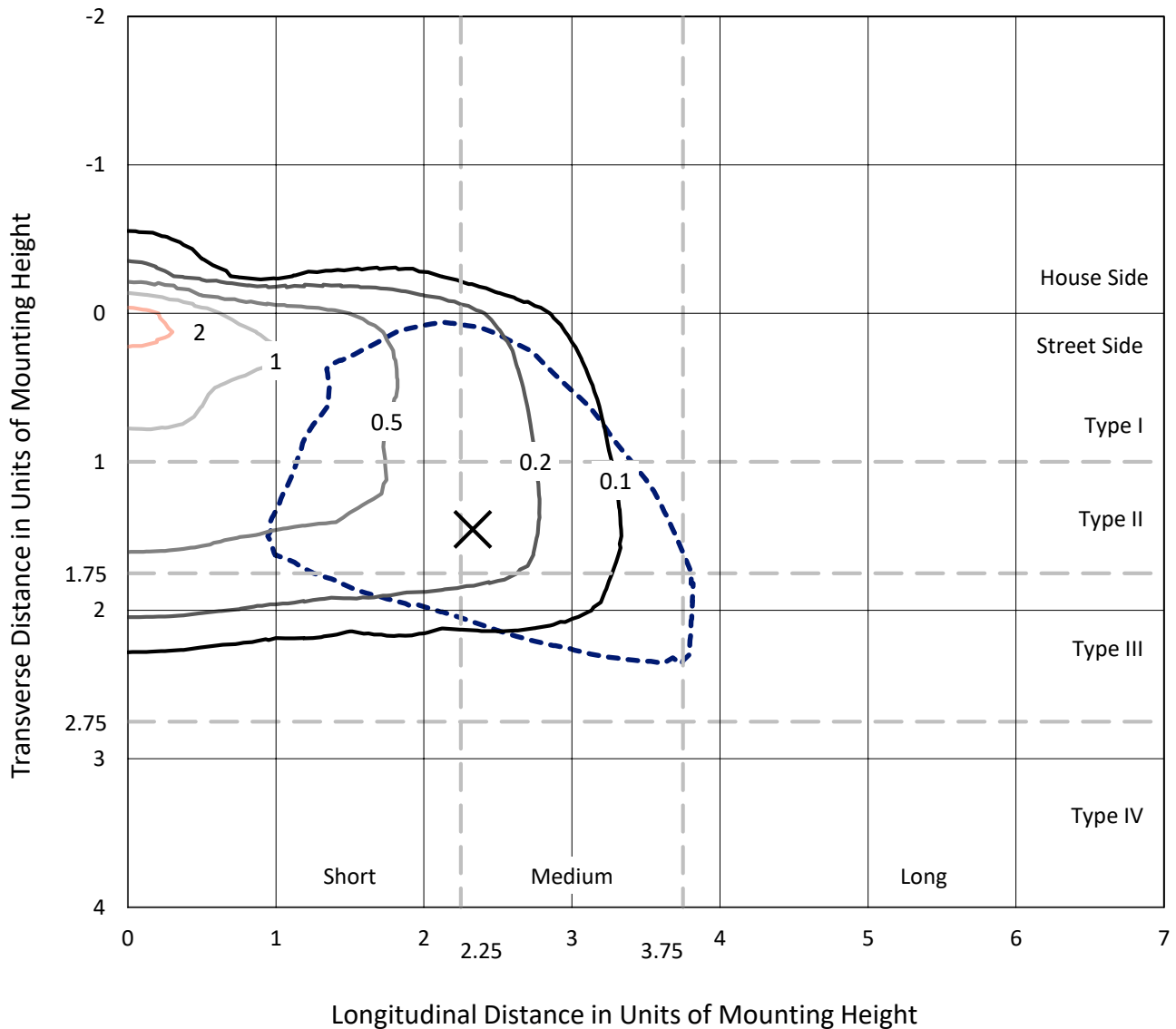
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

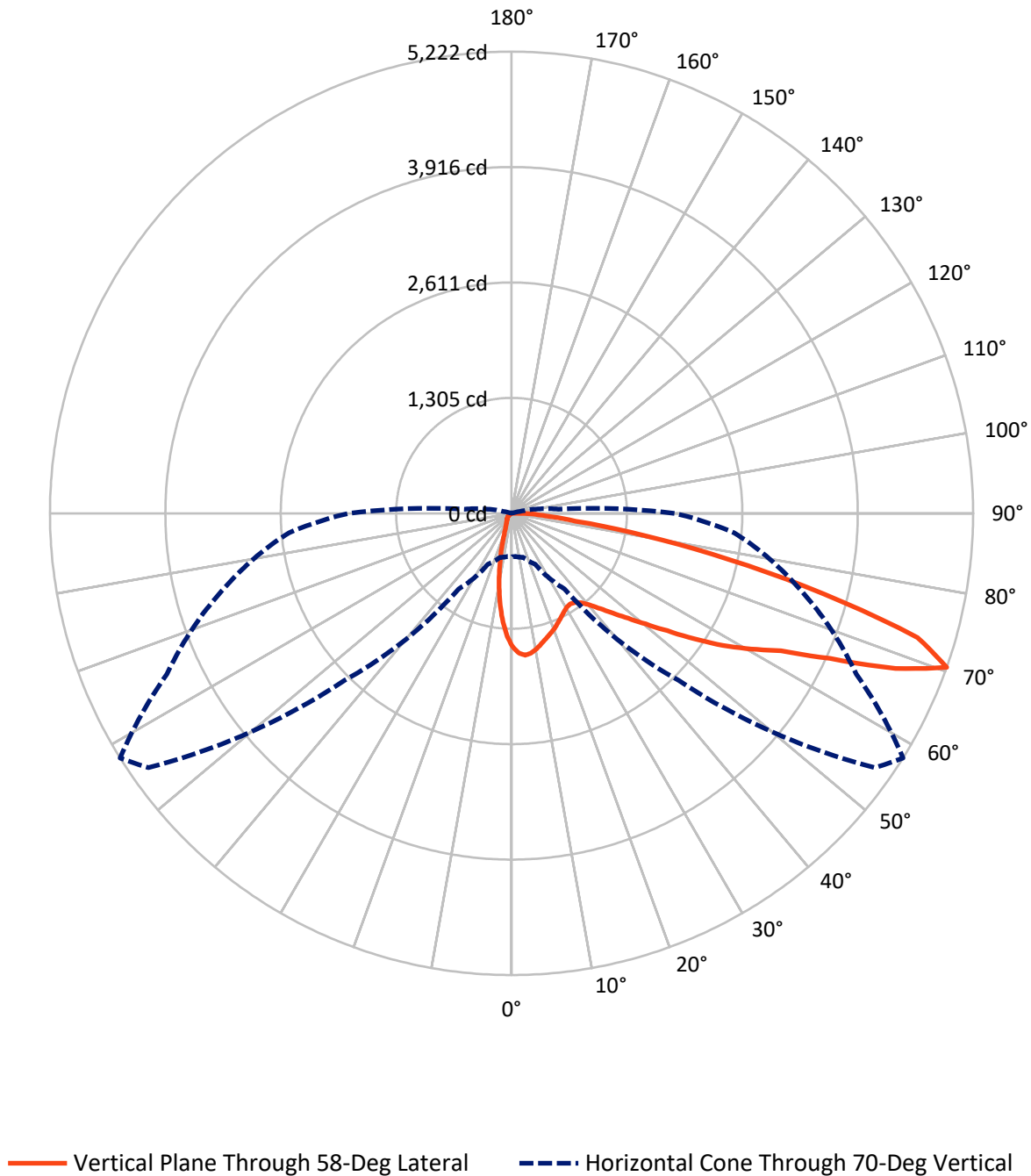
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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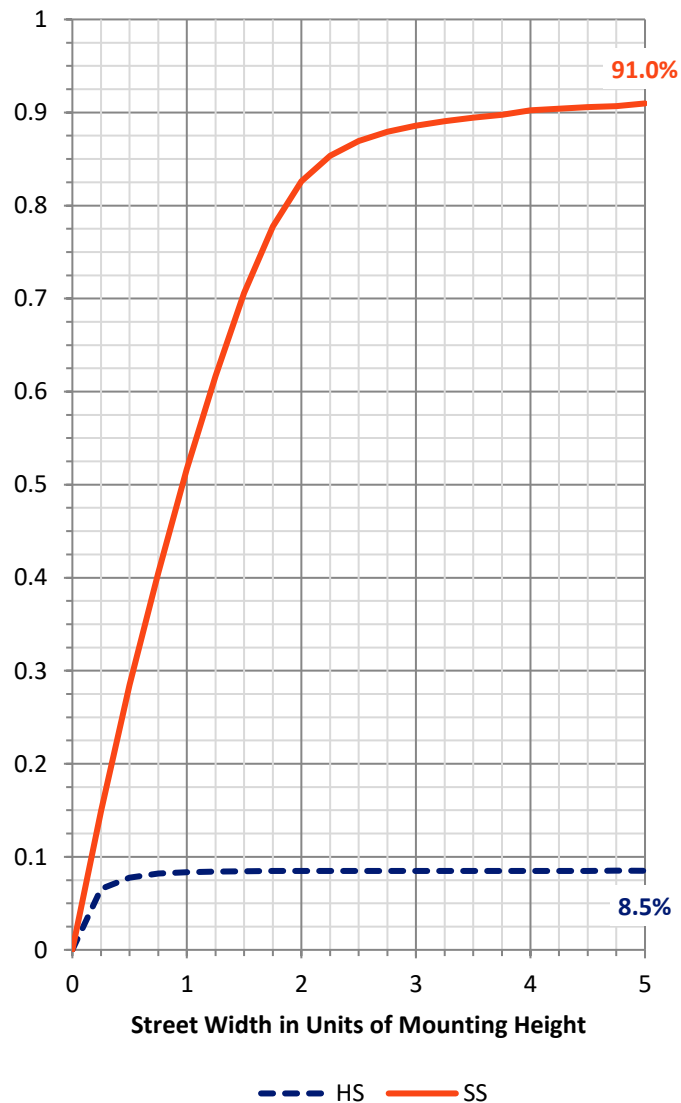
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	437.5	0.0	437.5
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	4674.5	0.0	4674.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	5112.0	0.0	5112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	2.4
10°-20°	259.2	5.1
20°-30°	340.7	6.7
30°-40°	451.2	8.8
40°-50°	674.5	13.2
50°-60°	1080.5	21.1
60°-70°	1361.9	26.6
70°-80°	734.6	14.4
80°-90°	86.0	1.7
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°	5112.0	100.0
0°-180°	5112.0	100.0

Coefficient of Utilization



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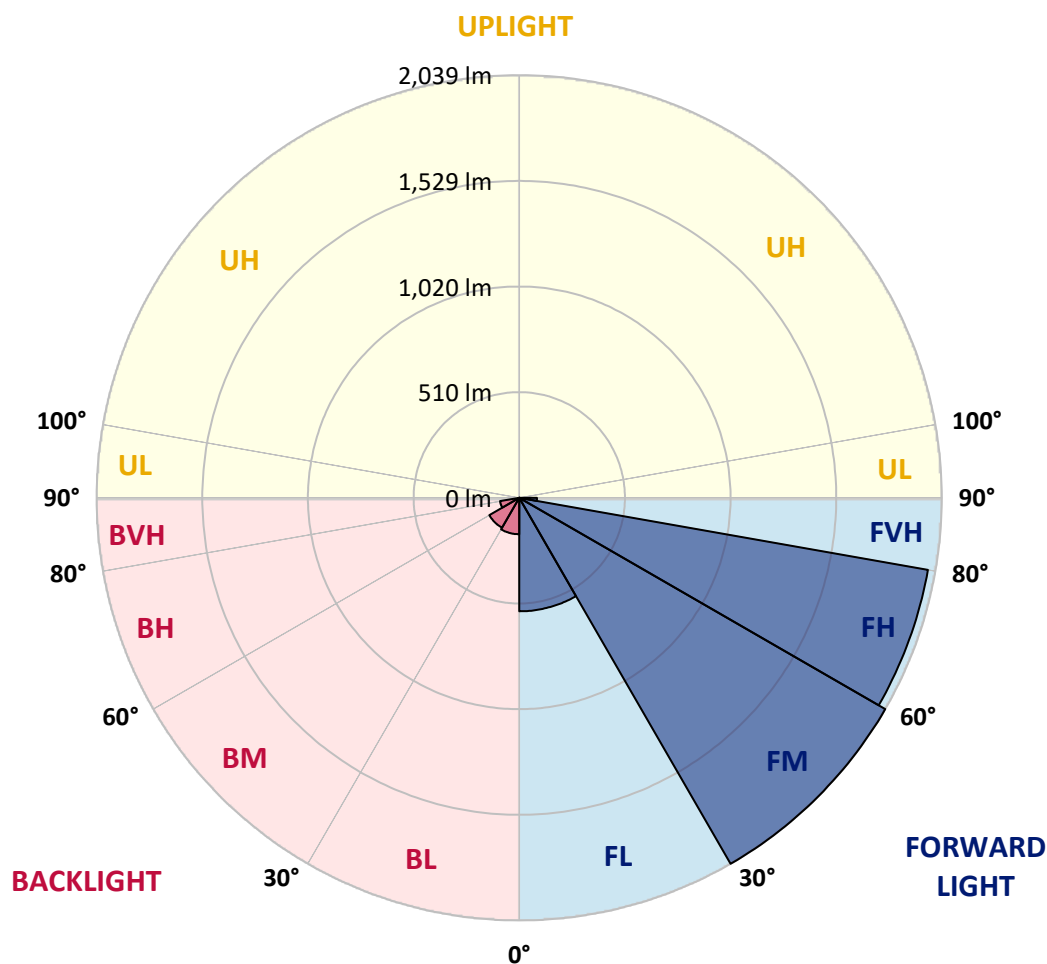
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.6	10.7			
FM	(30°-60°)	2039.3	39.9			
FH	(60°-80°)	2002.4	39.2			G2/5000
FVH	(80°-90°)	85.2	1.7			G1/100
BL	(0°-30°)	175.8	3.4	B1/500		
BM	(30°-60°)	166.9	3.3	B0/220		
BH	(60°-80°)	94.1	1.8	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
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°	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1
2.5°	1635.3	1631.2	1629.7	1627.2	1617.4	1607.8	1588.9	1583.6	1571.7	1543.4	1513.5
5°	1636.5	1636.3	1640.8	1639.7	1636.3	1631.9	1618.3	1611.2	1591.0	1550.7	1495.8
7.5°	1557.7	1561.7	1571.7	1579.8	1589.1	1601.3	1603.0	1596.1	1579.6	1536.0	1463.3
10°	1451.8	1458.2	1472.2	1488.2	1512.6	1536.8	1558.5	1557.7	1551.9	1509.0	1424.2
12.5°	1345.7	1353.2	1369.3	1392.9	1427.6	1467.1	1505.8	1511.1	1520.7	1484.8	1388.0
15°	1252.9	1259.2	1275.2	1304.1	1347.0	1400.2	1456.9	1466.7	1491.4	1465.8	1357.9
17.5°	1174.0	1178.0	1189.7	1221.8	1271.6	1336.0	1409.7	1428.9	1465.6	1451.0	1331.7
20°	1118.9	1119.6	1127.2	1149.8	1199.5	1271.6	1360.8	1388.3	1438.4	1438.2	1304.7
22.5°	1091.7	1089.6	1091.1	1104.1	1140.6	1210.1	1312.0	1344.5	1414.0	1427.4	1277.3
25°	1086.6	1084.9	1080.7	1082.4	1104.5	1156.4	1262.6	1300.3	1392.5	1420.8	1253.5
27.5°	1102.6	1104.3	1097.0	1089.4	1091.1	1121.5	1218.8	1262.4	1375.1	1420.8	1236.7
30°	1134.7	1135.5	1130.2	1120.2	1106.8	1111.7	1188.5	1232.0	1366.4	1430.6	1226.1
32.5°	1170.2	1174.8	1174.2	1166.1	1147.0	1127.2	1181.2	1221.0	1365.7	1452.2	1225.0
35°	1214.2	1219.5	1228.4	1226.7	1206.7	1174.2	1205.9	1237.1	1378.3	1488.0	1236.5
37.5°	1260.9	1269.0	1288.1	1297.3	1284.3	1247.5	1261.1	1283.5	1411.9	1545.8	1265.6
40°	1306.2	1315.4	1350.2	1386.1	1376.4	1338.5	1344.9	1362.8	1471.6	1628.9	1320.9
42.5°	1350.6	1364.2	1415.5	1474.6	1486.3	1456.1	1459.5	1473.7	1560.2	1743.2	1411.2
45°	1403.8	1419.1	1495.0	1567.9	1599.1	1585.9	1600.4	1609.8	1676.1	1894.4	1533.0
47.5°	1481.8	1499.4	1592.5	1675.6	1730.5	1739.0	1768.1	1774.3	1822.5	2070.4	1691.8
50°	1634.0	1638.9	1723.1	1798.5	1877.6	1928.6	1961.8	1966.4	1999.8	2262.8	1890.1
52.5°	1825.5	1828.7	1876.3	1926.9	2016.8	2121.0	2198.6	2205.1	2212.2	2450.2	2085.9
55°	2015.8	2015.3	2046.8	2076.5	2179.4	2330.8	2499.1	2503.2	2452.8	2628.2	2235.5
57.5°	2134.6	2146.1	2193.9	2232.1	2375.8	2569.9	2803.5	2818.4	2705.5	2759.9	2383.5
60°	2096.7	2102.3	2208.3	2349.9	2620.5	2909.8	3111.5	3115.4	2895.6	2891.5	2570.5
62.5°	1786.4	1789.4	1956.0	2247.9	2744.4	3350.7	3483.1	3420.8	3114.1	3074.1	2794.4
65°	1224.4	1243.7	1382.9	1743.7	2516.8	3627.2	4058.3	3955.2	3447.2	3337.3	2996.7
67.5°	721.0	717.0	785.9	1051.6	1848.5	3443.6	4785.9	4683.4	3901.4	3513.5	2937.4
70°	492.5	489.7	516.1	636.6	1043.5	2671.3	5014.8	5221.7	4302.5	3394.9	2528.0
72.5°	351.6	353.1	392.0	494.6	655.1	1556.4	4312.5	4802.1	4176.9	2959.5	1921.6
75°	238.7	242.7	298.4	405.8	574.4	791.8	3060.3	3650.4	3401.2	2150.9	1104.5
77.5°	128.4	132.9	198.5	326.9	519.3	550.1	1968.6	2512.3	2136.5	967.0	320.1
80°	53.6	56.1	92.9	237.6	448.7	483.2	1158.3	1523.5	910.4	190.7	71.4
82.5°	23.2	24.4	38.7	141.8	335.4	407.9	613.2	732.9	275.9	41.9	35.9
85°	4.5	4.7	15.9	75.0	214.1	230.2	397.5	389.6	123.9	18.1	26.1
87.5°	0.0	0.0	3.8	23.6	62.9	125.4	242.5	239.6	42.1	8.7	9.8
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°	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1	1510.1
2.5°	1498.2	1483.5	1452.7	1414.6	1385.5	1353.4	1327.9	1295.6	1281.6	1282.2	1274.5
5°	1464.6	1434.4	1366.2	1280.1	1213.7	1145.3	1086.4	1027.8	993.1	981.8	971.2
7.5°	1416.5	1368.7	1259.9	1127.2	1015.0	905.3	809.9	725.9	672.8	646.8	637.3
10°	1362.3	1295.2	1137.6	962.9	802.6	654.3	530.6	423.0	380.1	350.9	343.5
12.5°	1314.7	1223.7	1018.2	794.4	604.1	425.1	307.2	240.2	211.1	199.6	197.7
15°	1269.9	1157.0	903.2	641.7	418.3	261.7	195.3	172.6	165.8	163.9	163.9
17.5°	1227.6	1093.4	790.7	491.4	276.8	183.4	161.8	156.7	154.5	154.3	154.5
20°	1183.3	1029.9	680.2	360.1	193.2	155.4	149.4	146.7	146.0	146.0	146.0
22.5°	1141.0	966.3	572.6	257.2	155.0	141.8	138.8	136.9	136.3	136.0	135.6
25°	1100.4	906.0	467.6	181.7	136.0	129.9	127.3	124.8	122.9	121.8	121.2
27.5°	1067.1	852.2	369.9	145.8	122.9	117.5	114.4	110.5	105.9	103.7	102.9
30°	1040.5	803.1	285.0	123.1	110.5	105.2	100.3	93.7	86.9	83.3	83.1
32.5°	1019.7	754.8	216.4	108.8	99.5	92.9	85.9	77.6	69.7	65.7	65.5
35°	1009.5	712.3	165.4	98.4	89.7	81.4	72.7	63.6	55.9	52.1	51.7
37.5°	1016.3	676.4	129.0	89.7	81.4	71.8	61.6	52.1	45.3	41.9	41.7
40°	1041.1	653.4	104.8	82.3	74.4	62.7	51.7	42.7	37.0	34.2	34.0
42.5°	1094.1	644.9	89.5	76.1	67.6	54.2	42.9	35.3	30.0	28.1	27.6
45°	1182.5	657.5	79.1	70.1	60.6	46.1	35.5	28.9	24.2	22.7	22.5
47.5°	1300.3	690.4	71.6	64.4	54.2	38.9	29.5	23.4	19.8	18.3	18.1
50°	1452.0	742.7	65.5	58.7	48.3	32.9	24.4	18.5	15.3	14.2	14.2
52.5°	1617.2	805.0	59.9	53.4	42.3	27.4	19.8	14.2	12.1	10.8	10.8
55°	1753.7	859.4	54.0	49.3	35.1	22.7	15.1	10.8	8.9	8.3	8.3
57.5°	1889.9	917.4	47.2	42.3	28.1	18.5	11.5	8.1	6.6	6.2	6.2
60°	2066.6	988.4	40.6	34.4	22.1	14.0	8.5	5.7	4.9	4.7	4.7
62.5°	2260.8	1030.1	34.6	27.6	17.2	10.4	6.2	3.8	3.6	3.6	3.4
65°	2379.7	971.2	29.1	22.1	13.4	7.9	4.0	2.8	3.2	3.0	2.6
67.5°	2228.1	760.3	23.8	17.2	10.4	6.0	2.6	1.9	3.4	2.8	2.1
70°	1844.9	532.3	18.5	12.1	8.3	5.1	1.7	1.3	3.6	2.8	1.7
72.5°	1380.6	356.3	14.7	8.1	6.2	4.5	1.5	0.6	3.2	2.3	1.5
75°	754.4	143.5	11.7	5.1	3.8	3.2	1.1	0.4	2.1	1.7	1.1
77.5°	198.5	37.8	8.5	3.4	2.1	1.3	0.6	0.2	1.1	0.9	0.4
80°	50.6	14.7	5.5	2.3	1.5	0.6	0.0	0.0	0.2	0.0	0.0
82.5°	27.0	6.2	3.4	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.4	4.0	1.9	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)