

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: P450460

Luminaire Tested: **GLAN-SA1B-730-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 5197 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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

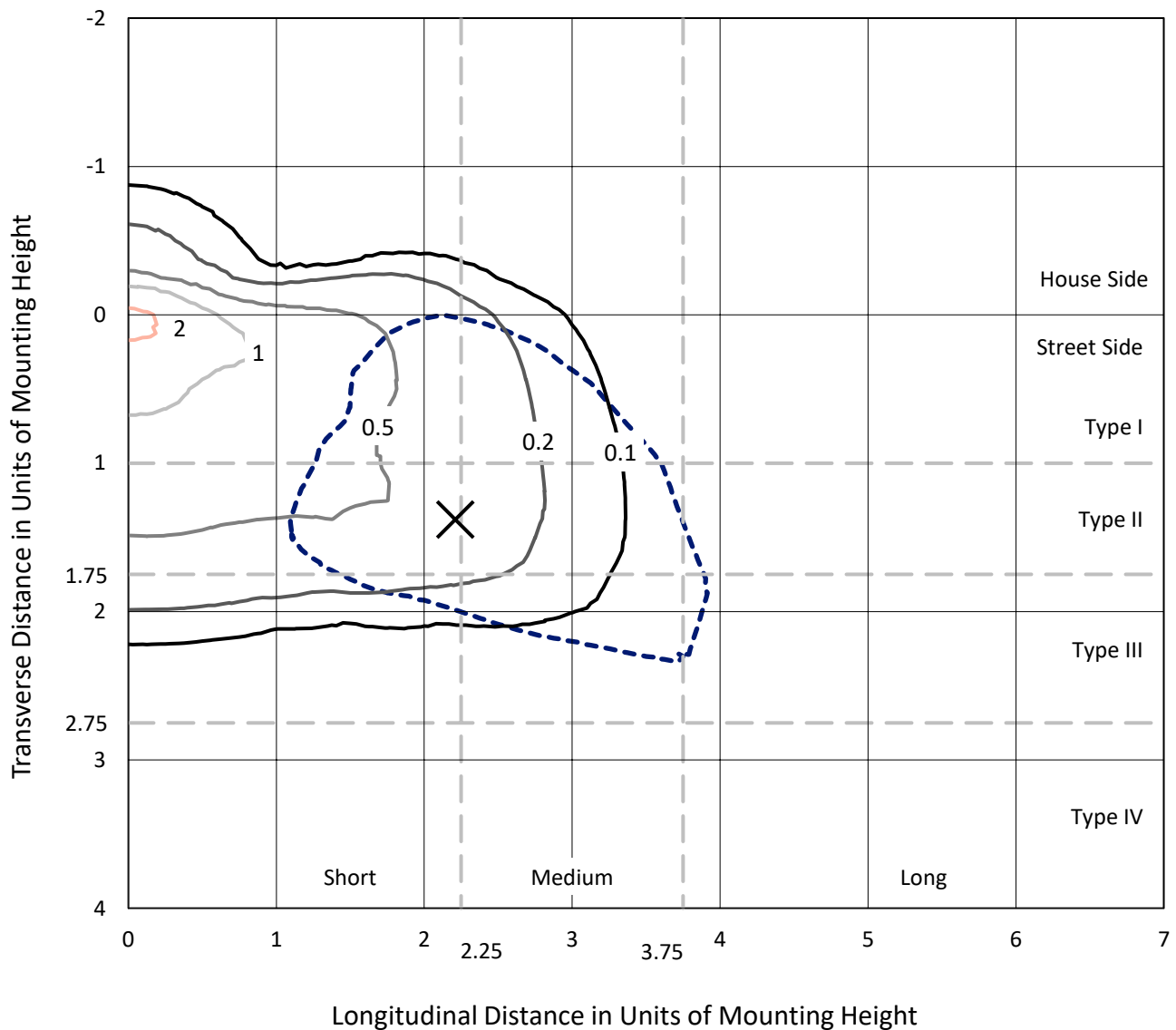


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Iso-Footcandle Lines of Horizontal Illumination

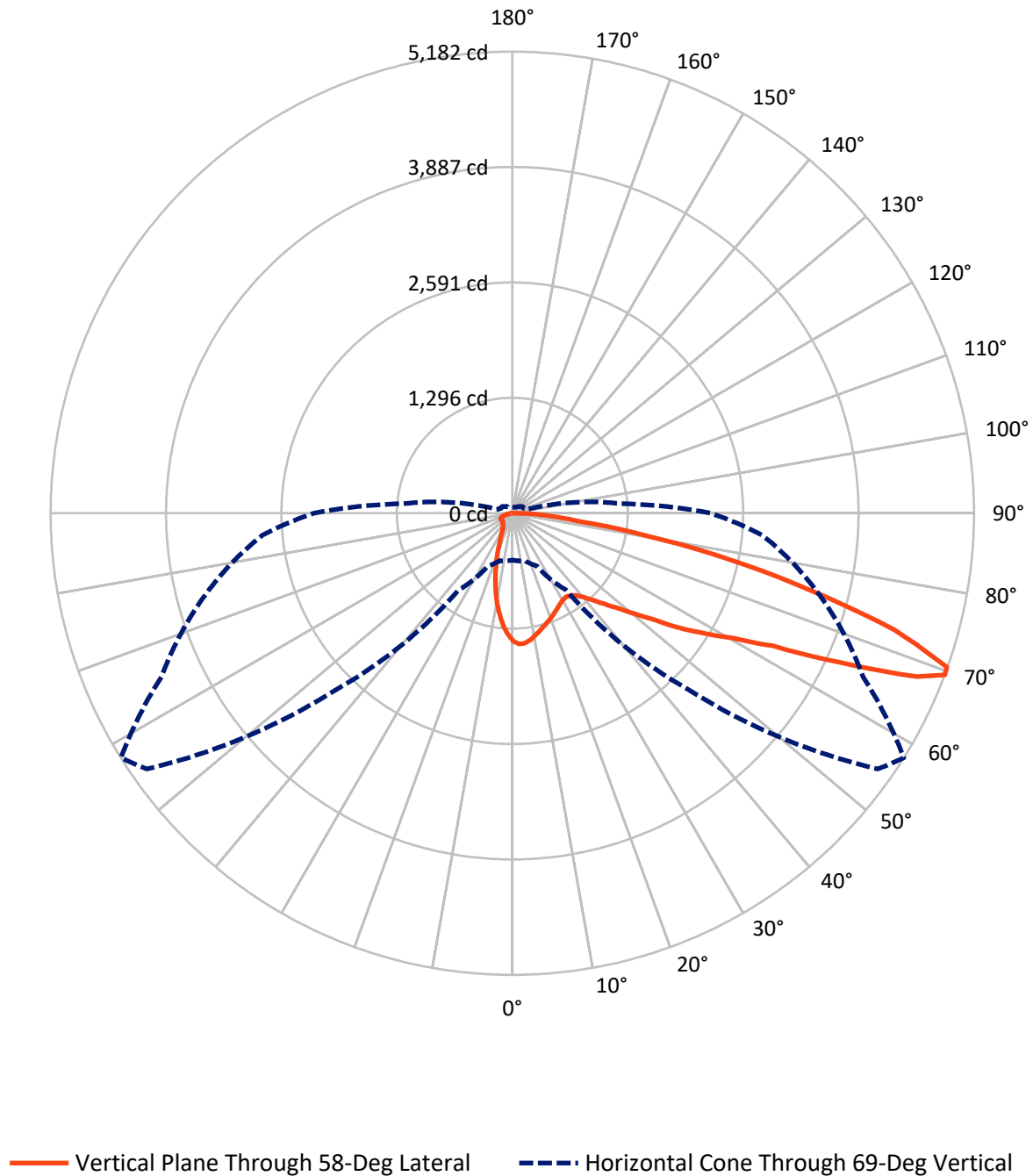
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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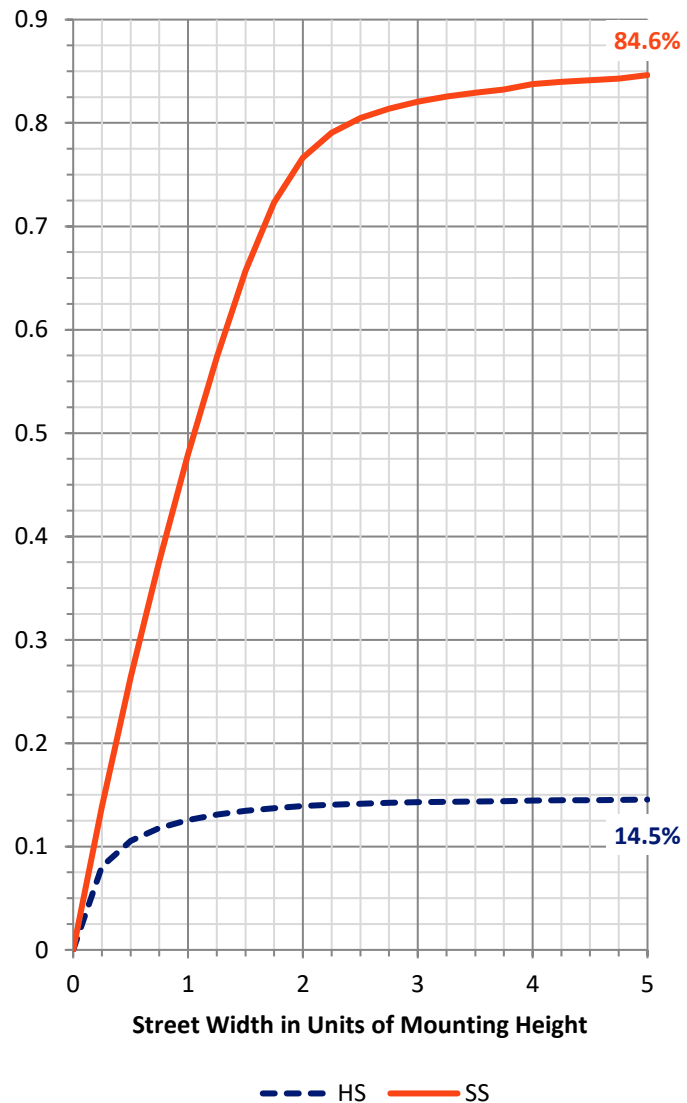
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.6	0.0	761.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	4435.4	0.0	4435.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	5197.0	0.0	5197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	2.3
10°-20°	267.8	5.2
20°-30°	346.0	6.7
30°-40°	449.4	8.6
40°-50°	653.4	12.6
50°-60°	1042.6	20.1
60°-70°	1392.8	26.8
70°-80°	802.9	15.4
80°-90°	120.2	2.3
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°	5197.0	100.0
0°-180°	5197.0	100.0

Coefficient of Utilization



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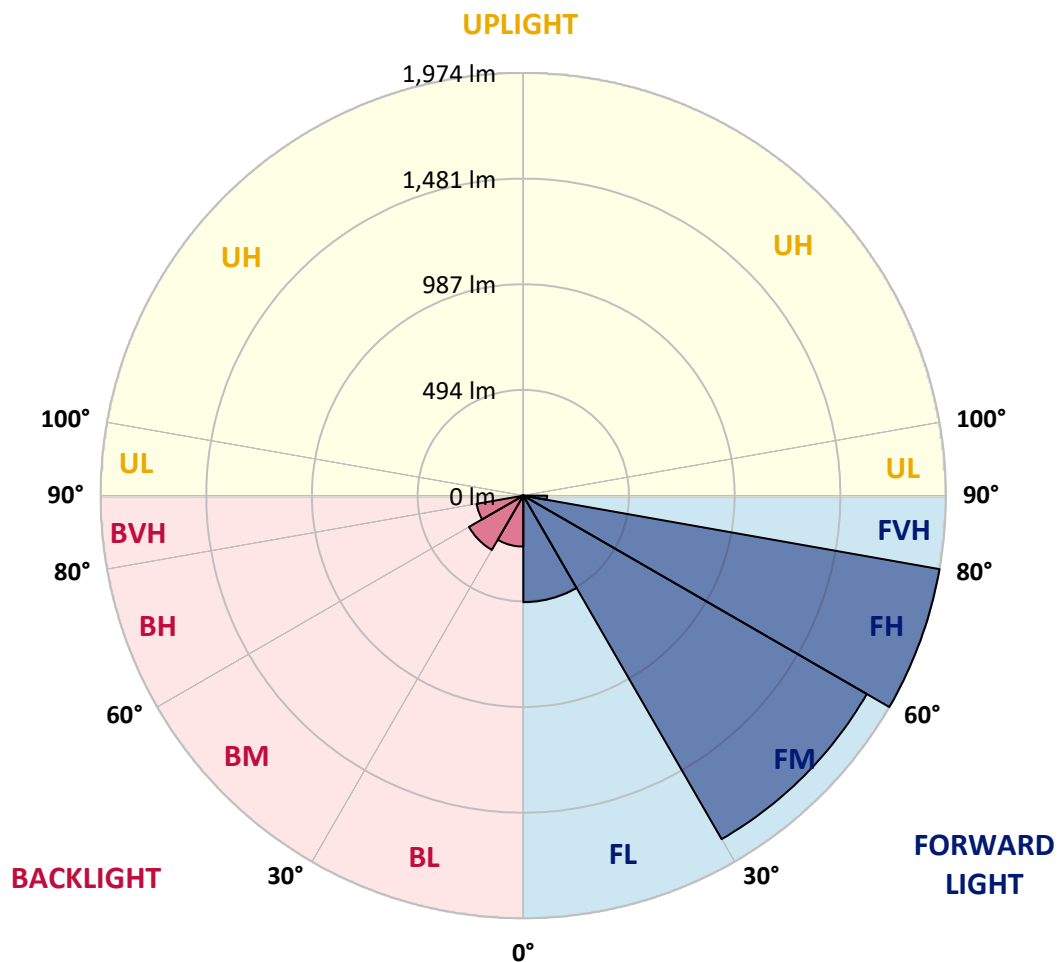
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.7	9.6			
FM	(30°-60°)	1852.5	35.6			
FH	(60°-80°)	1974.1	38.0			G2/5000
FVH	(80°-90°)	111.0	2.1			G2/225
BL	(0°-30°)	238.1	4.6	B1/500		
BM	(30°-60°)	292.9	5.6	B1/1000		
BH	(60°-80°)	221.5	4.3	B1/500		G1/500
BVH	(80°-90°)	9.2	0.2			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1489.5	1493.5	1492.4	1490.9	1488.6	1482.2	1471.8	1470.1	1463.4	1449.2	1431.5
5°	1466.6	1470.1	1470.3	1472.4	1475.3	1474.1	1466.6	1465.7	1455.9	1436.7	1407.2
7.5°	1388.0	1392.7	1402.8	1414.1	1424.3	1433.8	1436.1	1437.6	1431.5	1409.5	1370.1
10°	1299.6	1304.3	1308.9	1325.7	1350.6	1374.4	1394.1	1396.7	1398.2	1377.9	1329.8
12.5°	1201.7	1211.2	1221.1	1246.0	1279.3	1316.7	1351.5	1357.0	1366.9	1351.5	1295.0
15°	1118.5	1128.3	1142.5	1164.9	1205.1	1259.1	1308.0	1317.0	1336.4	1328.6	1262.5
17.5°	1060.8	1064.3	1074.1	1099.6	1143.1	1199.9	1265.4	1283.4	1314.4	1312.4	1234.7
20°	1015.3	1019.6	1025.7	1041.4	1086.6	1146.6	1225.7	1248.9	1290.9	1297.9	1207.2
22.5°	996.2	999.4	998.5	1006.9	1037.6	1097.9	1185.4	1213.0	1270.1	1288.0	1181.7
25°	997.3	1000.2	995.9	993.9	1012.1	1055.0	1143.4	1178.5	1253.3	1281.4	1158.5
27.5°	1016.8	1018.8	1010.7	1002.5	1004.0	1028.3	1108.6	1147.5	1239.1	1284.3	1139.1
30°	1042.8	1046.6	1041.4	1031.5	1020.8	1022.0	1086.3	1124.6	1232.4	1294.4	1129.8
32.5°	1076.5	1079.9	1077.6	1069.8	1055.9	1040.5	1080.8	1116.2	1233.0	1315.0	1127.8
35°	1111.8	1118.8	1122.5	1122.0	1110.7	1084.0	1102.5	1131.8	1246.9	1349.5	1139.6
37.5°	1151.8	1157.6	1173.8	1184.3	1173.8	1142.8	1151.5	1171.8	1277.6	1399.3	1165.7
40°	1190.7	1199.3	1223.1	1255.6	1251.5	1224.3	1226.3	1239.6	1331.8	1473.5	1216.7
42.5°	1231.2	1241.7	1283.1	1331.2	1340.8	1319.6	1325.1	1337.0	1408.9	1576.4	1304.3
45°	1283.4	1295.9	1346.9	1406.9	1444.6	1431.5	1447.2	1453.0	1512.1	1710.3	1419.6
47.5°	1350.6	1365.1	1428.0	1502.8	1556.1	1568.0	1595.3	1591.8	1639.9	1868.9	1569.2
50°	1464.0	1472.1	1531.5	1607.7	1681.1	1734.7	1764.2	1769.7	1798.4	2023.1	1736.4
52.5°	1598.7	1606.0	1648.9	1715.6	1807.4	1921.0	1994.1	1976.1	1983.1	2210.9	1932.1
55°	1750.3	1762.5	1789.7	1834.1	1953.2	2120.5	2267.1	2271.5	2194.4	2390.6	2119.6
57.5°	1867.7	1888.3	1935.0	1998.1	2149.1	2342.2	2539.3	2542.2	2443.6	2582.5	2326.5
60°	1808.6	1832.9	1939.6	2093.5	2406.2	2729.1	2864.5	2847.9	2686.2	2801.0	2579.0
62.5°	1553.5	1557.9	1712.9	1953.5	2485.4	3246.8	3348.5	3278.6	3010.0	3078.1	2835.5
65°	1005.4	1033.9	1156.7	1493.8	2225.4	3534.0	4196.6	4035.1	3463.9	3392.6	3050.3
67.5°	634.7	627.5	678.5	853.0	1530.6	3281.0	4920.3	4894.8	4057.4	3591.1	2999.0
69°	526.3	534.5	551.9	653.9	1053.3	2801.3	5005.8	5182.0	4345.2	3575.4	2812.6
70°	477.4	481.1	499.4	579.7	812.7	2346.2	4865.5	5174.2	4458.3	3509.9	2677.5
72.5°	378.8	378.5	409.8	482.3	607.5	1339.3	3995.1	4492.2	4331.9	3205.0	2212.3
75°	287.8	292.4	326.9	408.1	559.7	731.8	2788.0	3459.5	3459.8	2531.4	1380.5
77.5°	207.5	210.4	250.7	342.6	527.2	593.3	1857.0	2481.3	2332.6	1159.9	433.9
80°	135.9	137.7	168.4	271.3	475.3	559.7	1101.1	1518.8	1100.2	307.8	143.5
82.5°	74.5	83.2	102.9	175.6	381.4	517.1	669.2	768.6	412.7	137.1	74.8
85°	37.4	39.7	58.0	102.6	249.3	427.8	466.1	440.8	213.0	68.1	38.8
87.5°	11.0	13.9	24.1	39.7	101.2	222.9	259.4	232.7	82.0	24.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1424.3	1419.0	1395.9	1375.0	1355.9	1335.6	1318.5	1303.4	1304.8	1305.1	1289.8
5°	1391.8	1379.9	1335.9	1294.7	1259.9	1215.9	1178.2	1153.8	1141.7	1125.4	1131.2
7.5°	1347.7	1324.8	1263.7	1195.3	1131.2	1074.1	1012.1	969.5	942.3	915.9	919.4
10°	1302.2	1265.4	1176.5	1086.0	1003.1	911.8	832.7	764.9	714.5	695.6	683.1
12.5°	1255.6	1207.2	1094.1	973.9	859.4	750.1	637.9	565.2	509.5	480.0	483.7
15°	1213.0	1154.1	1008.3	861.7	713.0	582.9	471.0	401.7	362.9	354.8	359.4
17.5°	1173.6	1096.5	928.1	752.7	579.1	437.1	353.9	314.8	299.1	294.8	294.5
20°	1133.0	1047.5	837.9	636.2	451.3	338.8	290.4	272.2	269.3	271.0	271.3
22.5°	1091.8	986.9	745.2	520.5	359.4	277.1	253.9	249.0	251.3	255.3	255.9
25°	1053.9	933.6	655.9	419.1	286.9	243.5	232.2	232.2	237.4	243.5	243.8
27.5°	1022.5	882.0	566.9	332.7	240.3	219.1	215.3	217.4	224.6	229.3	229.6
30°	996.8	833.9	482.9	266.7	211.3	199.7	198.8	202.3	207.5	211.9	212.2
32.5°	977.3	791.5	404.3	224.0	191.3	184.9	184.6	187.2	190.1	191.3	192.5
35°	969.8	756.5	332.4	197.1	178.0	173.9	173.9	173.6	174.8	175.4	175.9
37.5°	975.9	729.5	276.8	179.7	168.1	165.2	163.5	161.7	161.1	161.1	161.4
40°	1001.7	715.3	235.3	168.4	161.1	156.8	153.6	151.6	149.6	150.1	150.7
42.5°	1056.5	717.9	207.2	160.9	155.1	149.0	144.3	142.0	140.6	142.3	142.0
45°	1143.7	744.0	189.3	155.6	149.0	141.2	136.8	134.5	134.5	137.1	138.0
47.5°	1265.7	793.9	179.7	151.6	144.3	135.1	130.7	129.0	129.6	133.9	134.2
50°	1414.7	880.5	178.0	149.6	142.0	130.7	125.8	124.1	125.5	130.1	130.7
52.5°	1579.0	992.1	186.4	149.8	140.0	128.1	121.7	119.1	120.6	124.3	125.5
55°	1773.8	1131.8	208.1	151.0	137.1	126.7	118.8	113.0	114.8	117.4	117.7
57.5°	1972.6	1308.0	246.4	151.3	134.8	124.1	113.9	106.4	106.4	108.1	109.0
60°	2215.5	1499.9	296.8	151.6	135.1	120.3	107.2	98.8	97.7	98.5	98.8
62.5°	2456.7	1660.5	305.2	150.7	138.0	116.5	100.0	91.3	89.3	89.0	88.4
65°	2563.0	1630.6	250.1	146.7	141.2	114.2	94.2	84.1	80.6	79.4	79.4
67.5°	2389.7	1379.3	188.1	141.2	139.1	111.9	88.7	78.0	73.9	71.6	71.6
69°	2226.8	1226.9	169.0	137.4	133.9	108.1	85.2	74.8	69.9	67.2	66.4
70°	2101.0	1122.0	160.9	134.2	129.0	103.8	82.6	72.5	67.0	64.1	63.5
72.5°	1676.7	880.2	140.9	122.0	109.8	87.2	73.3	65.2	60.0	56.8	55.9
75°	966.3	477.1	116.8	106.1	88.4	67.8	62.0	56.8	52.8	49.9	49.0
77.5°	297.4	184.3	84.6	83.8	64.9	52.5	49.6	47.5	44.6	41.4	40.9
80°	125.2	93.9	57.4	56.5	43.2	36.5	35.7	35.4	34.2	31.6	30.7
82.5°	68.7	53.0	40.0	34.8	26.1	21.2	22.0	22.3	21.4	18.8	17.1
85°	33.6	29.0	19.4	15.7	11.9	7.5	7.2	8.7	8.1	5.8	6.4
87.5°	6.7	8.1	5.2	2.3	1.2	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)