

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: P286938

Luminaire Tested: **USSL-C01-D-U-T2-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T2-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE II OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6994 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 52
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: 28.75 FT

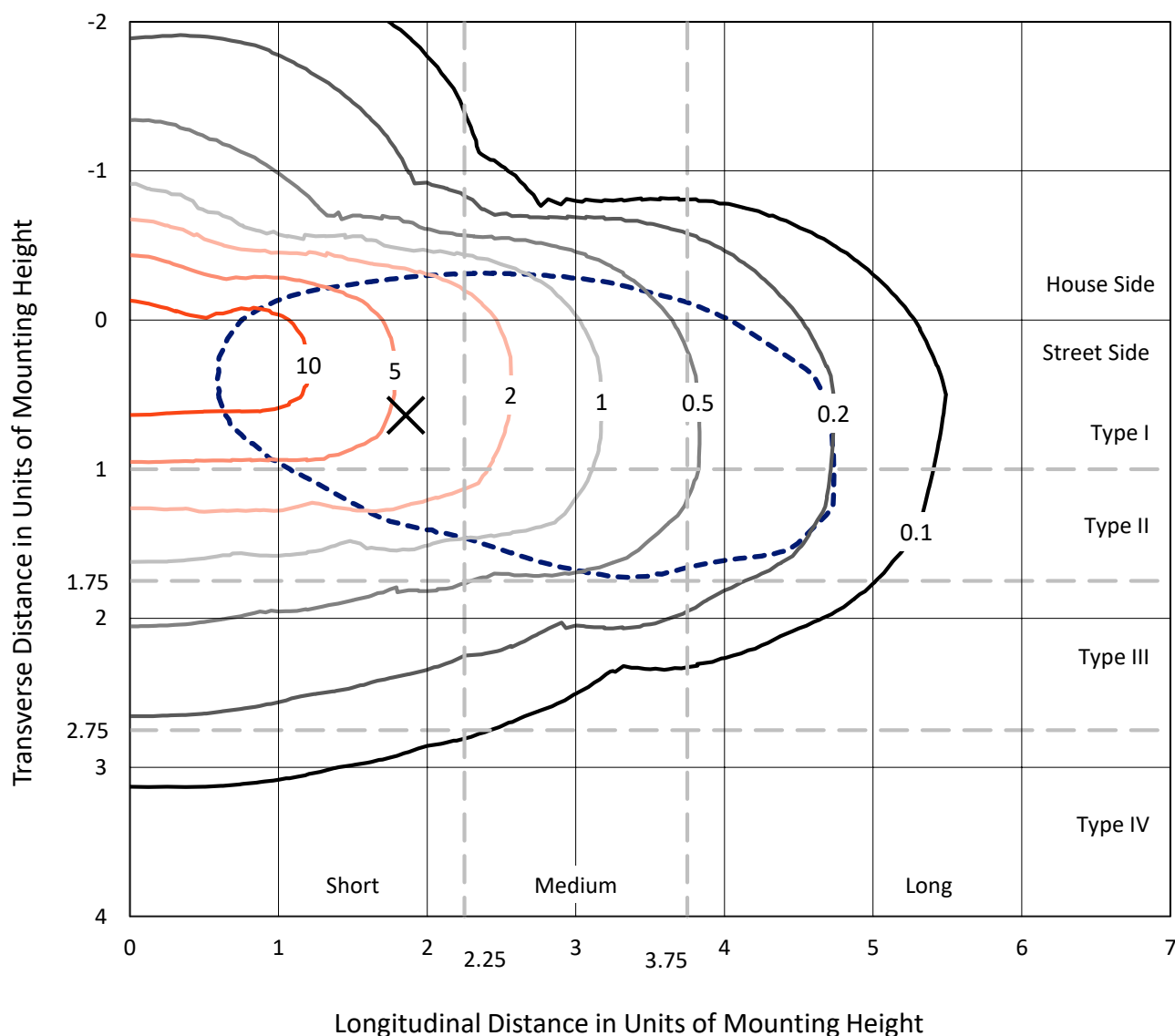


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

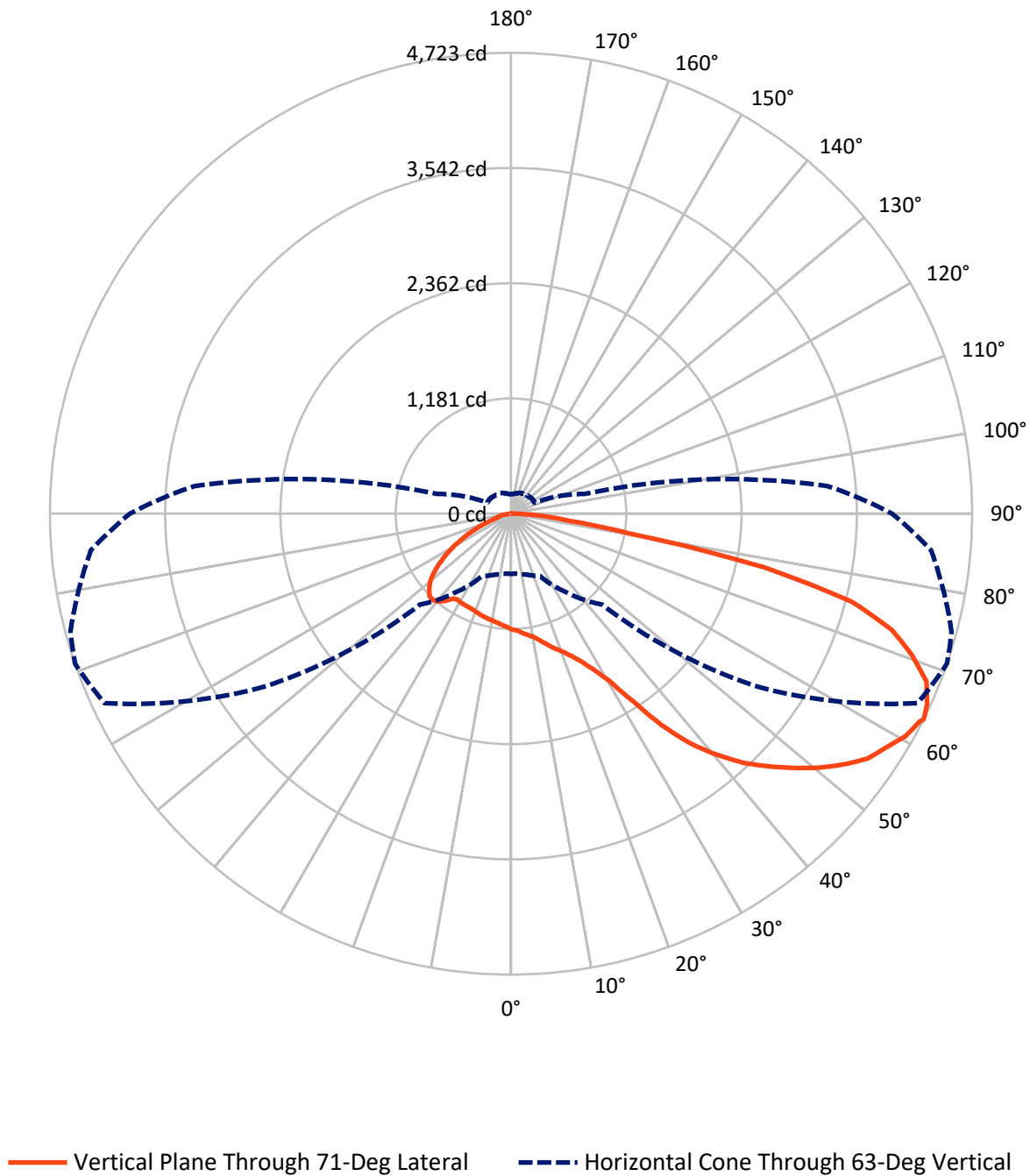


Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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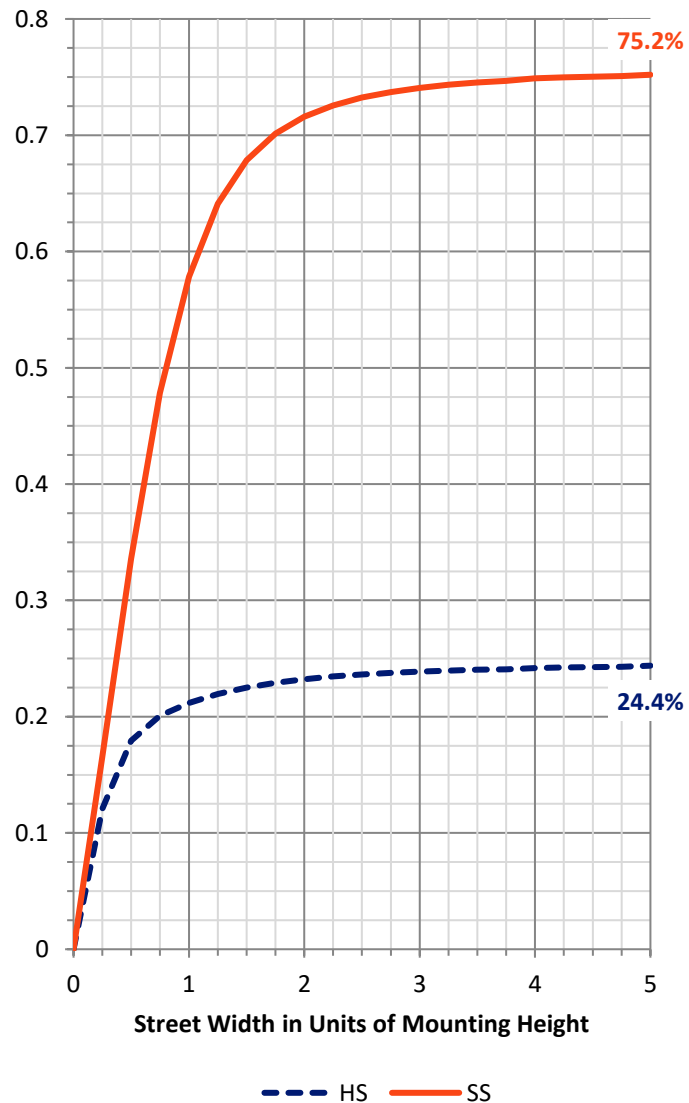
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.6	0.0	1734.6
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5259.4	0.0	5259.4
	% Fixture	75.2	0.0	75.2
Total	Lumens	6994.0	0.0	6994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	1.6
10°-20°	348.1	5.0
20°-30°	587.7	8.4
30°-40°	883.2	12.6
40°-50°	1214.0	17.4
50°-60°	1411.6	20.2
60°-70°	1403.5	20.1
70°-80°	885.8	12.7
80°-90°	145.9	2.1
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°	6994.0	100.0
0°-180°	6994.0	100.0

Coefficient of Utilization



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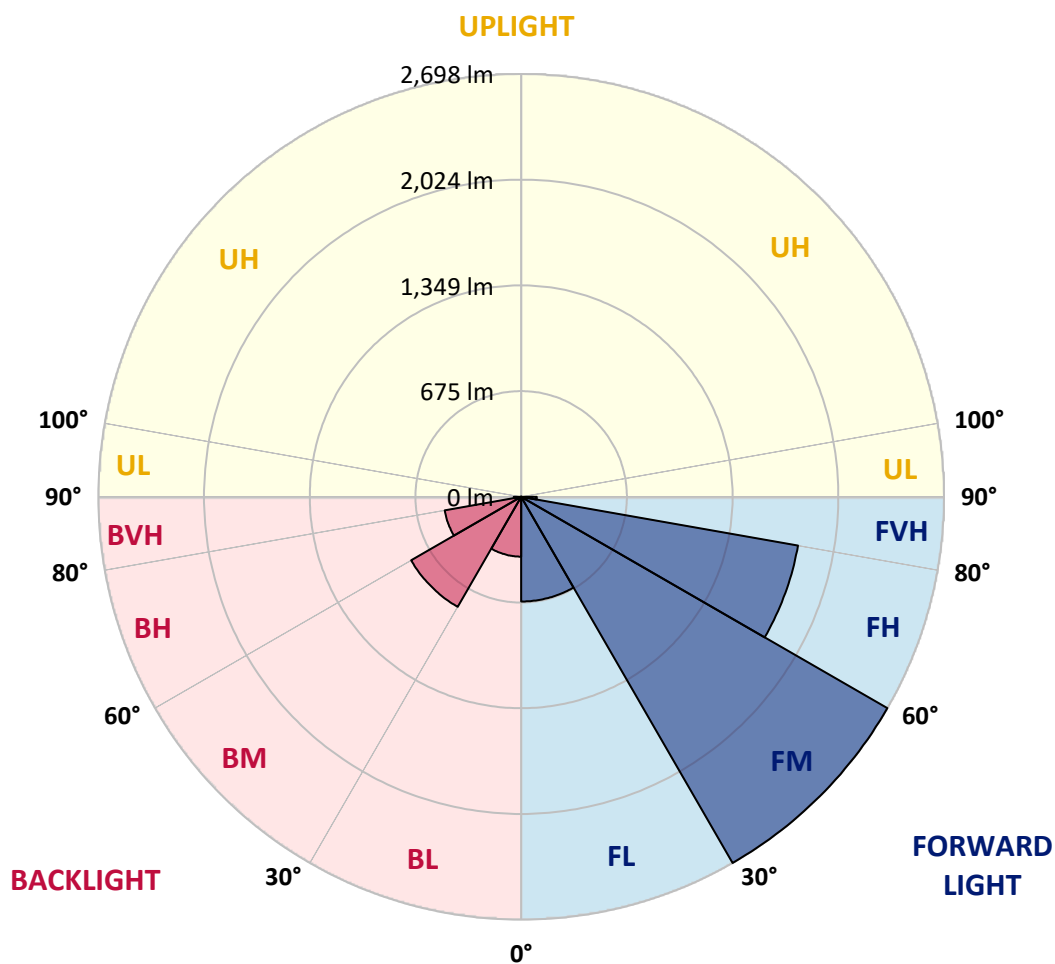
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	668.1	9.6			
FM	(30°-60°)	2698.3	38.6			
FH	(60°-80°)	1793.7	25.6			G1/1800
FVH	(80°-90°)	99.3	1.4			G1/100
BL	(0°-30°)	381.8	5.5	B1/500		
BM	(30°-60°)	810.6	11.6	B1/1000		
BH	(60°-80°)	495.6	7.1	B1/500		G1/500
BVH	(80°-90°)	46.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1271.2	1269.1	1266.4	1249.0	1245.9	1235.3	1224.0	1211.8	1198.1	1199.8	1183.1
5°	1342.5	1338.1	1336.3	1310.4	1291.3	1279.7	1264.3	1236.3	1228.5	1222.3	1189.9
7.5°	1399.8	1401.9	1398.1	1373.6	1354.4	1335.3	1308.0	1266.7	1256.5	1243.5	1211.4
10°	1446.3	1451.4	1448.6	1420.7	1404.3	1385.5	1352.4	1310.1	1286.5	1267.7	1216.5
12.5°	1502.2	1499.2	1499.9	1473.2	1458.9	1433.3	1409.1	1360.9	1334.0	1308.0	1240.1
15°	1572.2	1568.1	1563.0	1537.4	1515.9	1500.9	1474.9	1421.3	1392.0	1367.4	1277.6
17.5°	1634.3	1620.0	1617.6	1589.3	1572.2	1552.1	1534.3	1488.6	1452.1	1420.3	1318.9
20°	1676.0	1668.8	1659.3	1642.9	1635.7	1620.7	1598.5	1548.3	1507.4	1474.9	1354.1
22.5°	1704.0	1699.9	1699.9	1694.8	1698.2	1692.0	1674.3	1626.8	1584.8	1538.8	1408.0
25°	1712.2	1699.5	1717.6	1737.4	1761.3	1771.9	1755.5	1722.7	1680.8	1635.7	1477.7
27.5°	1718.0	1715.9	1738.4	1772.2	1832.7	1856.9	1856.9	1838.5	1811.5	1758.2	1578.7
30°	1718.6	1719.3	1749.7	1801.9	1883.5	1950.8	1954.2	2003.3	1989.3	1948.4	1733.3
32.5°	1669.8	1668.1	1713.9	1805.0	1922.8	2030.0	2085.6	2220.4	2284.9	2287.7	2069.9
35°	1571.2	1583.8	1655.8	1775.0	1950.4	2120.1	2248.8	2523.5	2663.1	2659.7	2398.6
37.5°	1493.4	1503.6	1586.6	1742.9	1968.5	2202.3	2432.1	2860.1	2989.1	2977.9	2660.4
40°	1422.7	1434.7	1517.3	1686.9	1962.4	2295.9	2635.8	3151.3	3249.2	3233.5	2906.9
42.5°	1338.1	1346.9	1428.9	1608.7	1945.0	2360.0	2819.1	3417.2	3490.5	3448.2	3099.7
45°	1254.1	1260.6	1350.0	1506.3	1890.0	2402.4	3002.1	3658.8	3693.0	3659.2	3312.7
47.5°	1147.6	1154.1	1257.5	1416.9	1795.5	2401.0	3173.1	3862.6	3894.7	3849.6	3473.1
50°	882.4	888.9	1100.8	1325.4	1663.7	2368.6	3310.0	4051.4	4091.3	4025.4	3654.1
52.5°	801.8	804.9	862.6	1211.8	1495.4	2278.1	3409.7	4220.3	4269.1	4197.5	3811.1
55°	764.9	762.2	785.8	975.9	1365.7	2134.1	3485.4	4380.4	4430.3	4358.2	3951.0
57.5°	706.9	711.4	751.3	835.6	1248.3	1871.2	3458.5	4530.6	4525.8	4470.5	4088.6
60°	665.3	667.3	706.9	767.0	1107.7	1572.2	3344.5	4613.9	4636.8	4563.0	4207.4
62.5°	621.9	624.7	658.4	713.1	998.1	1352.7	3161.5	4609.1	4695.8	4650.4	4314.9
63°	616.5	615.8	646.5	705.9	981.4	1315.5	3094.3	4594.1	4723.1	4671.9	4320.0
65°	573.5	576.2	609.0	663.6	909.7	1213.5	2904.1	4492.7	4684.9	4689.3	4367.1
67.5°	511.0	515.1	543.1	593.6	772.8	1064.3	2405.1	4434.4	4588.0	4614.9	4307.7
70°	437.3	441.7	471.0	517.8	655.0	908.6	1787.6	4181.1	4360.3	4408.4	4039.4
72.5°	346.5	352.3	389.5	436.6	537.3	746.5	1258.2	3767.4	4080.4	4090.3	3665.0
75°	226.0	230.4	284.3	350.2	434.5	591.2	831.2	2884.3	3603.9	3664.6	3141.4
77.5°	133.5	139.6	166.2	192.9	275.1	445.4	540.0	1536.0	2654.6	2848.1	2478.8
80°	36.2	39.9	126.0	147.1	175.8	192.2	332.5	847.9	1228.8	1560.3	1669.5
82.5°	18.8	23.2	70.3	94.6	100.7	97.6	153.6	394.2	600.8	703.8	838.3
85°	8.5	10.2	23.2	34.5	28.0	26.6	51.2	205.8	335.9	389.8	421.6
87.5°	3.1	3.8	8.2	12.6	7.5	5.8	7.2	62.1	129.7	163.8	148.8
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°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1171.1	1181.4	1167.7	1152.0	1141.1	1135.0	1129.8	1118.2	1121.6	1126.1	1125.4
5°	1182.4	1183.8	1152.0	1131.9	1108.0	1094.3	1089.2	1069.4	1071.5	1073.5	1073.2
7.5°	1189.6	1176.9	1138.4	1109.0	1083.8	1062.9	1043.5	1023.7	1019.9	1023.7	1026.8
10°	1191.6	1172.5	1128.8	1087.9	1053.7	1024.0	1007.0	975.9	970.4	977.9	982.7
12.5°	1210.4	1178.6	1122.0	1073.9	1033.9	994.7	965.0	930.5	914.1	920.3	926.1
15°	1233.6	1189.6	1116.2	1056.1	1002.9	958.8	919.9	882.7	862.2	870.4	874.5
17.5°	1261.6	1209.7	1115.8	1027.1	969.7	916.5	877.2	837.0	799.1	812.4	808.0
20°	1292.7	1227.1	1113.8	1000.1	929.1	865.0	812.7	786.1	746.9	747.2	741.4
22.5°	1329.5	1251.0	1111.4	974.5	879.6	814.8	749.6	718.9	686.8	674.8	671.1
25°	1387.5	1289.2	1115.5	957.1	837.0	749.2	672.8	633.2	619.5	604.5	598.0
27.5°	1466.4	1342.5	1124.4	934.9	783.4	680.0	586.1	547.9	538.3	527.0	519.5
30°	1582.1	1418.6	1135.0	909.7	721.3	586.1	499.7	472.1	456.7	450.9	446.5
32.5°	1876.0	1632.6	1143.1	876.6	656.7	495.6	433.2	405.5	384.0	373.8	374.8
35°	2177.4	1892.1	1201.2	837.0	577.5	420.2	374.8	340.7	314.4	307.5	302.8
37.5°	2413.6	2105.4	1334.0	797.0	501.8	376.5	317.4	287.8	265.6	263.9	274.4
40°	2636.5	2301.3	1443.5	750.9	423.3	326.7	259.4	247.5	237.6	240.0	254.3
42.5°	2821.5	2477.1	1533.6	684.7	359.8	270.3	221.5	234.2	237.2	240.3	241.3
45°	3002.8	2615.7	1582.5	598.0	303.8	224.9	217.4	241.0	246.1	250.5	245.1
47.5°	3189.8	2772.0	1581.8	491.5	261.8	219.8	226.0	241.0	249.9	255.3	253.6
50°	3339.3	2888.1	1561.6	386.7	251.2	231.8	230.4	231.1	245.4	249.2	249.5
52.5°	3481.0	2997.7	1478.7	317.8	265.9	245.4	235.5	227.3	233.5	242.4	232.5
55°	3619.2	3092.9	1331.6	299.0	273.1	257.0	246.1	231.8	225.6	223.6	227.0
57.5°	3732.9	3172.1	1158.9	290.5	275.1	258.1	264.2	231.4	224.6	208.9	207.2
60°	3843.8	3247.2	988.9	278.5	273.4	256.0	246.4	237.2	220.8	197.3	188.8
62.5°	3912.8	3270.4	811.0	268.3	265.9	253.6	240.3	235.9	217.1	199.0	196.6
63°	3902.9	3254.0	780.0	266.6	264.2	251.9	240.6	234.2	215.4	201.0	200.0
65°	3926.8	3160.1	642.7	256.0	257.0	247.1	235.5	223.9	200.0	189.8	188.1
67.5°	3813.5	2988.8	463.9	236.5	246.1	239.6	225.3	204.1	181.9	168.6	167.9
70°	3516.1	2664.2	318.8	201.7	228.7	229.0	220.2	192.9	168.6	153.6	155.7
72.5°	3096.0	2327.9	205.5	157.0	196.6	210.6	205.5	182.3	150.5	123.2	121.2
75°	2645.0	1898.5	151.6	126.6	145.1	187.4	179.5	148.5	126.3	108.9	107.5
77.5°	1985.2	1372.9	134.1	108.2	107.9	127.0	147.8	146.1	149.8	180.2	176.1
80°	1374.2	968.7	106.8	87.7	65.9	80.2	124.6	154.6	192.9	112.0	105.1
82.5°	795.3	526.0	34.8	27.6	40.3	51.9	91.5	192.2	127.7	66.9	60.1
85°	374.5	199.7	15.0	8.5	11.9	17.4	51.5	162.5	81.6	33.5	6.1
87.5°	116.1	55.0	3.4	2.7	3.1	3.8	21.8	85.3	56.0	3.8	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)