

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: P286942

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286942
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
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE II OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7123 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

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

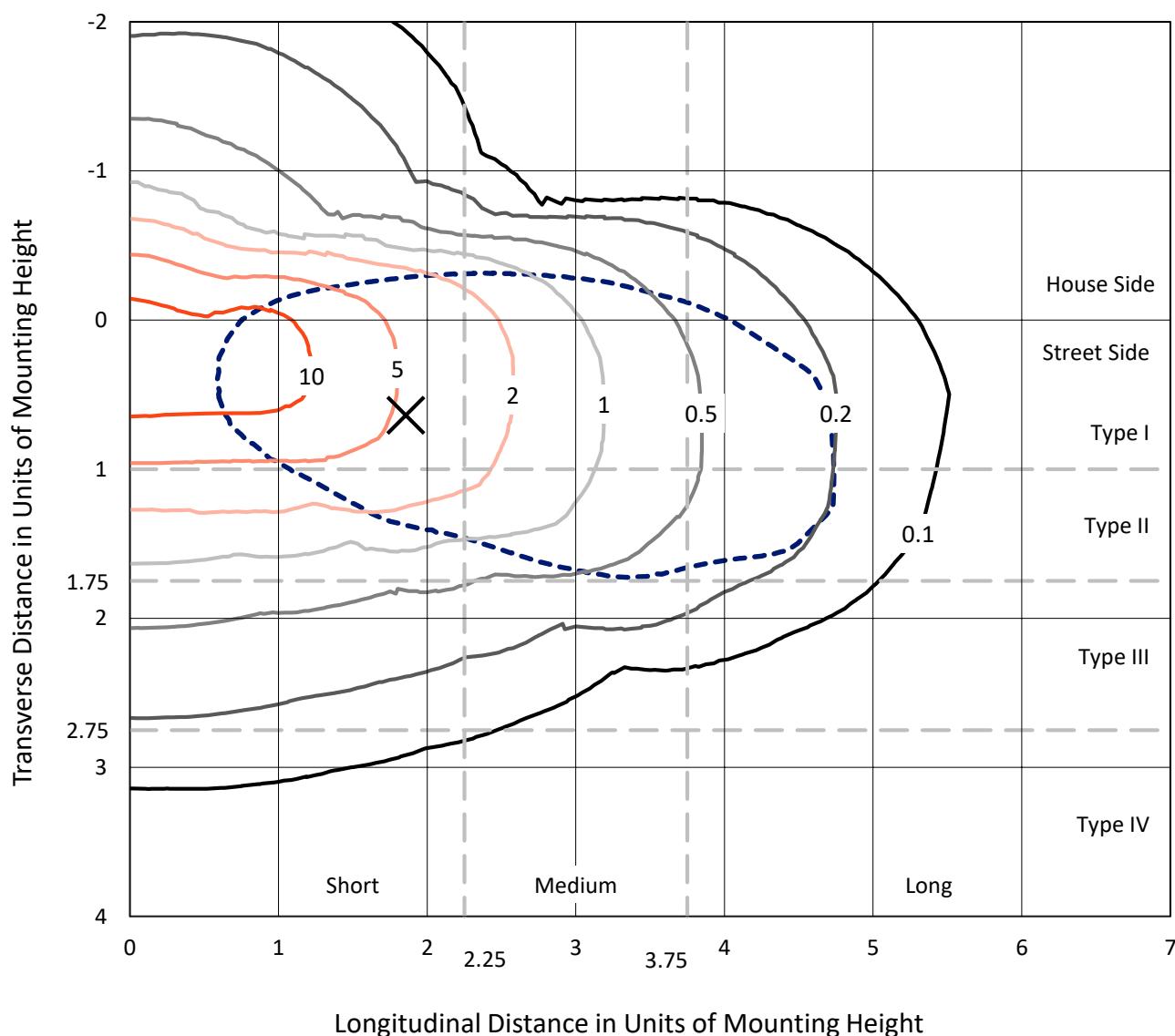


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

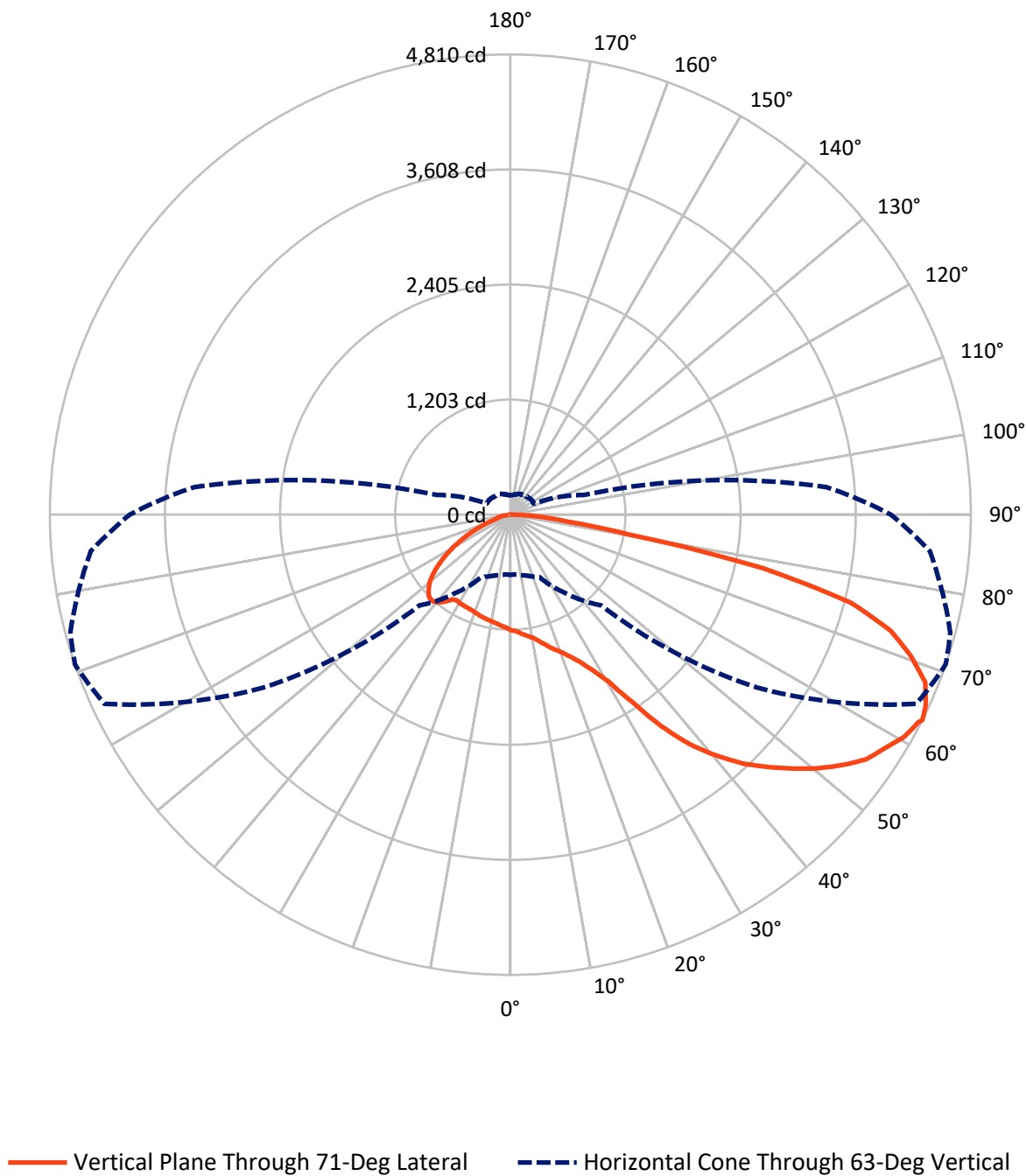


Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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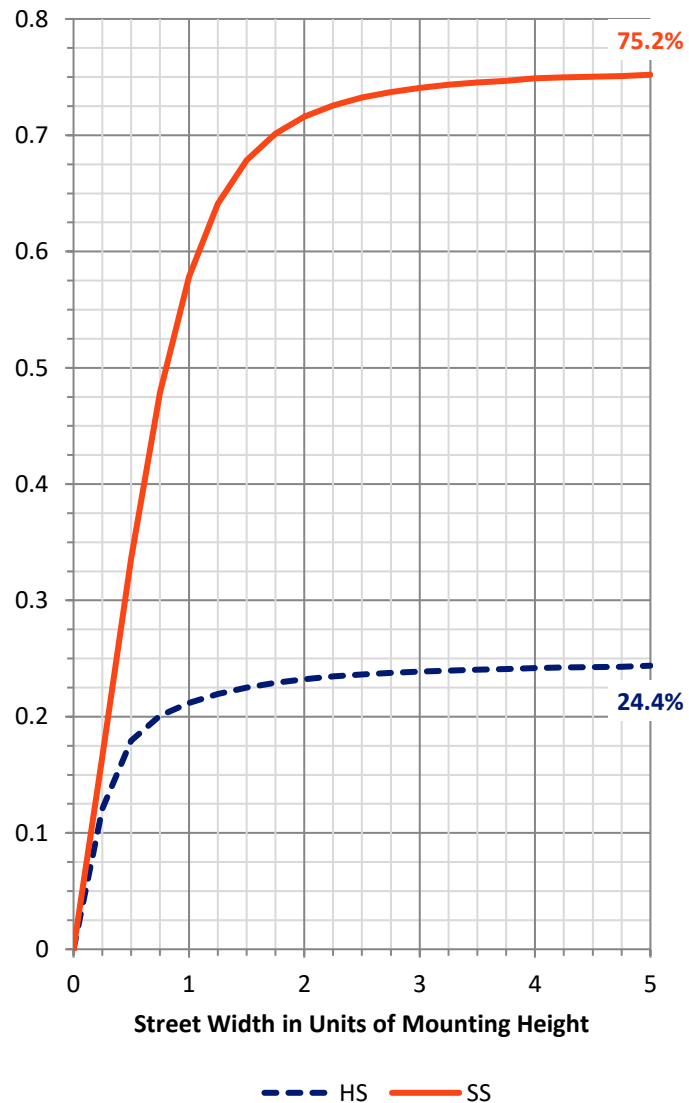
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1766.6	0.0	1766.6
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5356.4	0.0	5356.4
	% Fixture	75.2	0.0	75.2
Total	Lumens	7123.0	0.0	7123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	1.6
10°-20°	354.5	5.0
20°-30°	598.5	8.4
30°-40°	899.5	12.6
40°-50°	1236.4	17.4
50°-60°	1437.7	20.2
60°-70°	1429.3	20.1
70°-80°	902.2	12.7
80°-90°	148.6	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°	7123.0	100.0
0°-180°	7123.0	100.0

Coefficient of Utilization



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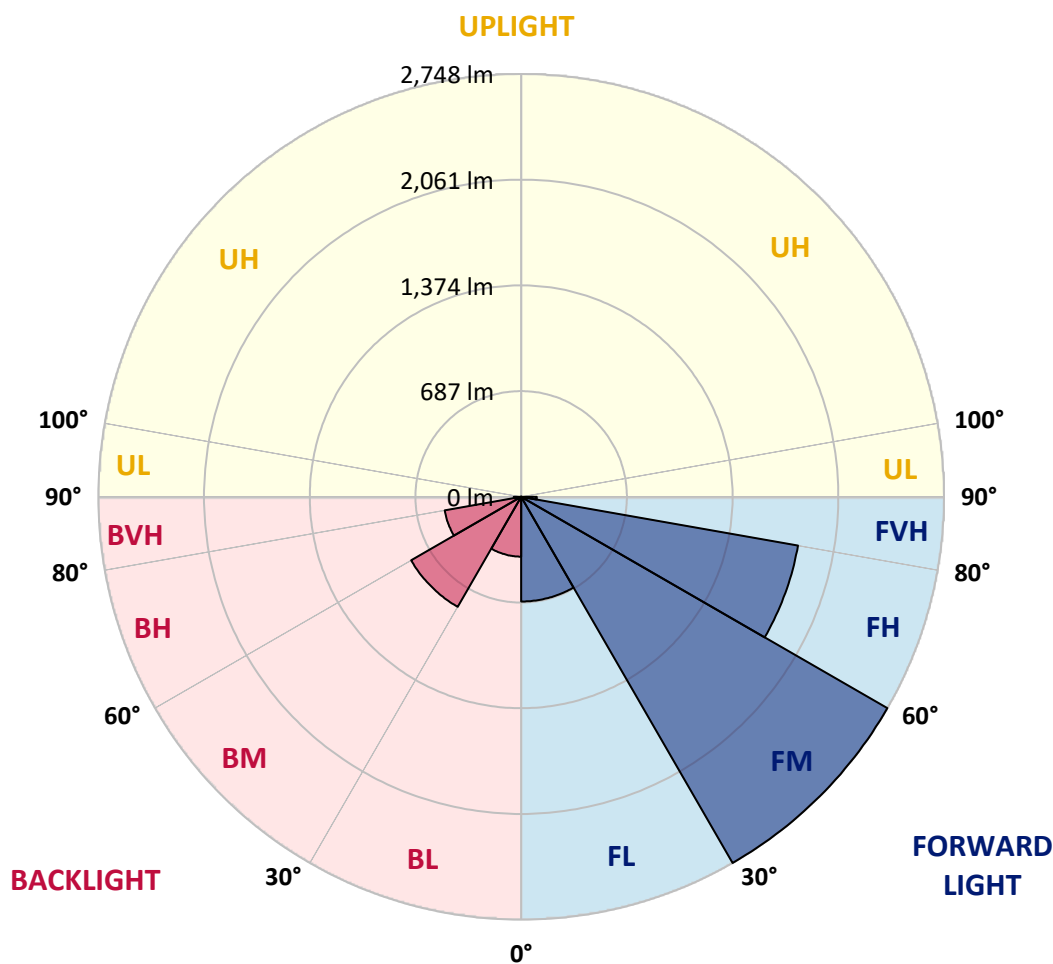
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	680.4	9.6			
FM	(30°-60°)	2748.1	38.6			
FH	(60°-80°)	1826.8	25.6			G2/5000
FVH	(80°-90°)	101.1	1.4			G2/225
BL	(0°-30°)	388.8	5.5	B1/500		
BM	(30°-60°)	825.5	11.6	B1/1000		
BH	(60°-80°)	504.7	7.1	B2/1000		G2/1000
BVH	(80°-90°)	47.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1
2.5°	1294.6	1292.5	1289.7	1272.0	1268.9	1258.1	1246.6	1234.1	1220.2	1221.9	1204.9
5°	1367.3	1362.7	1361.0	1334.6	1315.1	1303.3	1287.6	1259.1	1251.1	1244.9	1211.9
7.5°	1425.7	1427.7	1423.9	1398.9	1379.4	1360.0	1332.1	1290.1	1279.6	1266.4	1233.8
10°	1472.9	1478.1	1475.4	1446.9	1430.2	1411.1	1377.3	1334.2	1310.2	1291.1	1239.0
12.5°	1529.9	1526.8	1527.5	1500.4	1485.8	1459.7	1435.0	1386.0	1358.6	1332.1	1263.0
15°	1601.2	1597.0	1591.8	1565.8	1543.9	1528.6	1502.1	1447.6	1417.7	1392.6	1301.2
17.5°	1664.5	1649.9	1647.4	1618.6	1601.2	1580.7	1562.6	1516.0	1478.8	1446.5	1343.3
20°	1706.9	1699.6	1689.9	1673.2	1665.9	1650.6	1628.0	1576.9	1535.2	1502.1	1379.1
22.5°	1735.4	1731.2	1731.2	1726.0	1729.5	1723.2	1705.2	1656.8	1614.1	1567.1	1434.0
25°	1743.7	1730.9	1749.3	1769.5	1793.8	1804.6	1787.9	1754.5	1711.8	1665.9	1504.9
27.5°	1749.7	1747.6	1770.5	1804.9	1866.5	1891.1	1891.1	1872.4	1844.9	1790.7	1607.8
30°	1750.3	1751.0	1782.0	1835.2	1918.3	1986.7	1990.2	2040.3	2026.0	1984.3	1765.3
32.5°	1700.6	1698.9	1745.5	1838.3	1958.2	2067.4	2124.1	2261.4	2327.1	2329.9	2108.1
35°	1600.2	1613.0	1686.4	1807.7	1986.4	2159.2	2290.2	2570.1	2712.3	2708.8	2442.8
37.5°	1520.9	1531.3	1615.8	1775.0	2004.8	2242.9	2476.9	2912.8	3044.3	3032.8	2709.5
40°	1448.9	1461.1	1545.2	1718.0	1998.6	2338.2	2684.4	3209.4	3309.2	3293.2	2960.5
42.5°	1362.7	1371.8	1455.2	1638.4	1980.8	2403.6	2871.1	3480.2	3554.9	3511.8	3156.9
45°	1277.2	1283.8	1374.9	1534.1	1924.9	2446.7	3057.5	3726.3	3761.1	3726.7	3373.8
47.5°	1168.8	1175.4	1280.7	1443.0	1828.6	2445.3	3231.6	3933.9	3966.5	3920.6	3537.2
50°	898.6	905.2	1121.1	1349.9	1694.4	2412.2	3371.0	4126.1	4166.8	4099.7	3721.4
52.5°	816.6	819.7	878.5	1234.1	1523.0	2320.1	3472.5	4298.2	4347.9	4274.9	3881.4
55°	779.1	776.3	800.3	993.9	1390.9	2173.4	3549.7	4461.2	4512.0	4438.6	4023.9
57.5°	720.0	724.5	765.1	851.0	1271.3	1905.7	3522.3	4614.2	4609.3	4553.0	4164.0
60°	677.5	679.6	720.0	781.1	1128.1	1601.2	3406.1	4699.0	4722.3	4647.2	4285.0
62.5°	633.4	636.2	670.6	726.2	1016.5	1377.7	3219.8	4694.1	4782.4	4736.2	4394.5
63°	627.8	627.1	658.4	718.9	999.5	1339.8	3151.3	4678.8	4810.2	4758.1	4399.7
65°	584.0	586.8	620.2	675.8	926.5	1235.8	2957.7	4575.6	4771.3	4775.8	4447.7
67.5°	520.4	524.6	553.1	604.5	787.0	1083.9	2449.4	4516.1	4672.6	4700.0	4387.2
70°	445.3	449.8	479.7	527.4	667.1	925.4	1820.6	4258.2	4440.7	4489.7	4113.9
72.5°	352.9	358.8	396.7	444.6	547.2	760.3	1281.4	3836.9	4155.6	4165.7	3732.6
75°	230.1	234.7	289.6	356.7	442.5	602.1	846.5	2937.5	3670.3	3732.2	3199.3
77.5°	135.9	142.2	169.3	196.4	280.2	453.7	550.0	1564.4	2703.6	2900.7	2524.5
80°	36.8	40.7	128.3	149.8	179.0	195.7	338.6	863.5	1251.5	1589.0	1700.3
82.5°	19.1	23.6	71.6	96.3	102.6	99.4	156.4	401.5	611.8	716.8	853.8
85°	8.7	10.4	23.6	35.1	28.5	27.1	52.1	209.6	342.1	397.0	429.3
87.5°	3.1	3.8	8.3	12.9	7.6	5.9	7.3	63.3	132.1	166.9	151.6
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°	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1	1209.1
2.5°	1192.7	1203.2	1189.3	1173.3	1162.1	1155.9	1150.7	1138.9	1142.3	1146.9	1146.2
5°	1204.2	1205.6	1173.3	1152.8	1128.4	1114.5	1109.3	1089.1	1091.2	1093.3	1093.0
7.5°	1211.5	1198.7	1159.4	1129.5	1103.7	1082.5	1062.7	1042.6	1038.7	1042.6	1045.7
10°	1213.6	1194.1	1149.6	1107.9	1073.2	1042.9	1025.5	993.9	988.3	996.0	1000.8
12.5°	1232.7	1200.4	1142.7	1093.7	1053.0	1013.0	982.8	947.7	931.0	937.2	943.1
15°	1256.4	1211.5	1136.8	1075.6	1021.4	976.5	936.9	899.0	878.1	886.5	890.6
17.5°	1284.9	1232.0	1136.4	1046.0	987.6	933.4	893.4	852.4	813.8	827.4	822.9
20°	1316.5	1249.8	1134.3	1018.6	946.3	880.9	827.7	800.6	760.6	761.0	755.1
22.5°	1354.0	1274.1	1131.9	992.5	895.9	829.8	763.4	732.1	699.4	687.3	683.5
25°	1413.1	1313.0	1136.1	974.8	852.4	763.1	685.2	644.9	631.0	615.7	609.1
27.5°	1493.4	1367.3	1145.1	952.2	797.8	692.5	596.9	558.0	548.2	536.8	529.1
30°	1611.3	1444.8	1155.9	926.5	734.6	596.9	508.9	480.8	465.1	459.2	454.7
32.5°	1910.6	1662.7	1164.2	892.7	668.9	504.8	441.2	413.0	391.1	380.7	381.7
35°	2217.6	1926.9	1223.3	852.4	588.2	427.9	381.7	346.9	320.2	313.2	308.4
37.5°	2458.1	2144.2	1358.6	811.7	511.0	383.4	323.3	293.1	270.5	268.7	279.5
40°	2685.1	2343.8	1470.2	764.8	431.1	332.7	264.2	252.0	242.0	244.4	259.0
42.5°	2873.6	2522.8	1561.9	697.4	366.4	275.3	225.6	238.5	241.6	244.7	245.8
45°	3058.2	2663.9	1611.6	609.1	309.4	229.1	221.4	245.4	250.6	255.2	249.6
47.5°	3248.7	2823.2	1610.9	500.6	266.6	223.9	230.1	245.4	254.5	260.0	258.3
50°	3400.9	2941.4	1590.4	393.9	255.9	236.0	234.7	235.3	250.0	253.8	254.1
52.5°	3545.2	3052.9	1506.0	323.6	270.8	250.0	239.9	231.5	237.8	246.8	236.7
55°	3686.0	3149.9	1356.1	304.5	278.1	261.8	250.6	236.0	229.8	227.7	231.2
57.5°	3801.8	3230.6	1180.2	295.8	280.2	262.8	269.1	235.7	228.7	212.8	211.0
60°	3914.7	3307.1	1007.1	283.7	278.5	260.7	251.0	241.6	224.9	200.9	192.2
62.5°	3985.0	3330.7	826.0	273.2	270.8	258.3	244.7	240.2	221.1	202.7	200.2
63°	3974.9	3314.0	794.3	271.5	269.1	256.6	245.1	238.5	219.4	204.8	203.7
65°	3999.2	3218.4	654.6	260.7	261.8	251.7	239.9	228.0	203.7	193.3	191.5
67.5°	3883.8	3043.9	472.4	240.9	250.6	244.0	229.4	207.9	185.3	171.7	171.0
70°	3581.0	2713.3	324.7	205.5	232.9	233.3	224.2	196.4	171.7	156.4	158.5
72.5°	3153.1	2370.9	209.3	159.9	200.2	214.5	209.3	185.6	153.3	125.5	123.4
75°	2693.8	1933.6	154.4	129.0	147.7	190.9	182.9	151.2	128.6	110.9	109.5
77.5°	2021.9	1398.2	136.6	110.2	109.9	129.3	150.5	148.8	152.6	183.6	179.4
80°	1399.6	986.6	108.8	89.3	67.1	81.7	126.9	157.5	196.4	114.0	107.1
82.5°	810.0	535.7	35.5	28.2	41.0	52.8	93.2	195.7	130.0	68.1	61.2
85°	381.4	203.4	15.3	8.7	12.2	17.7	52.5	165.5	83.1	34.1	6.3
87.5°	118.2	56.0	3.5	2.8	3.1	3.8	22.2	86.9	57.0	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)