

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: P286962

Luminaire Tested: **USSL-C01-D-U-T3-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
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-T3-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE III OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7673.7 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

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

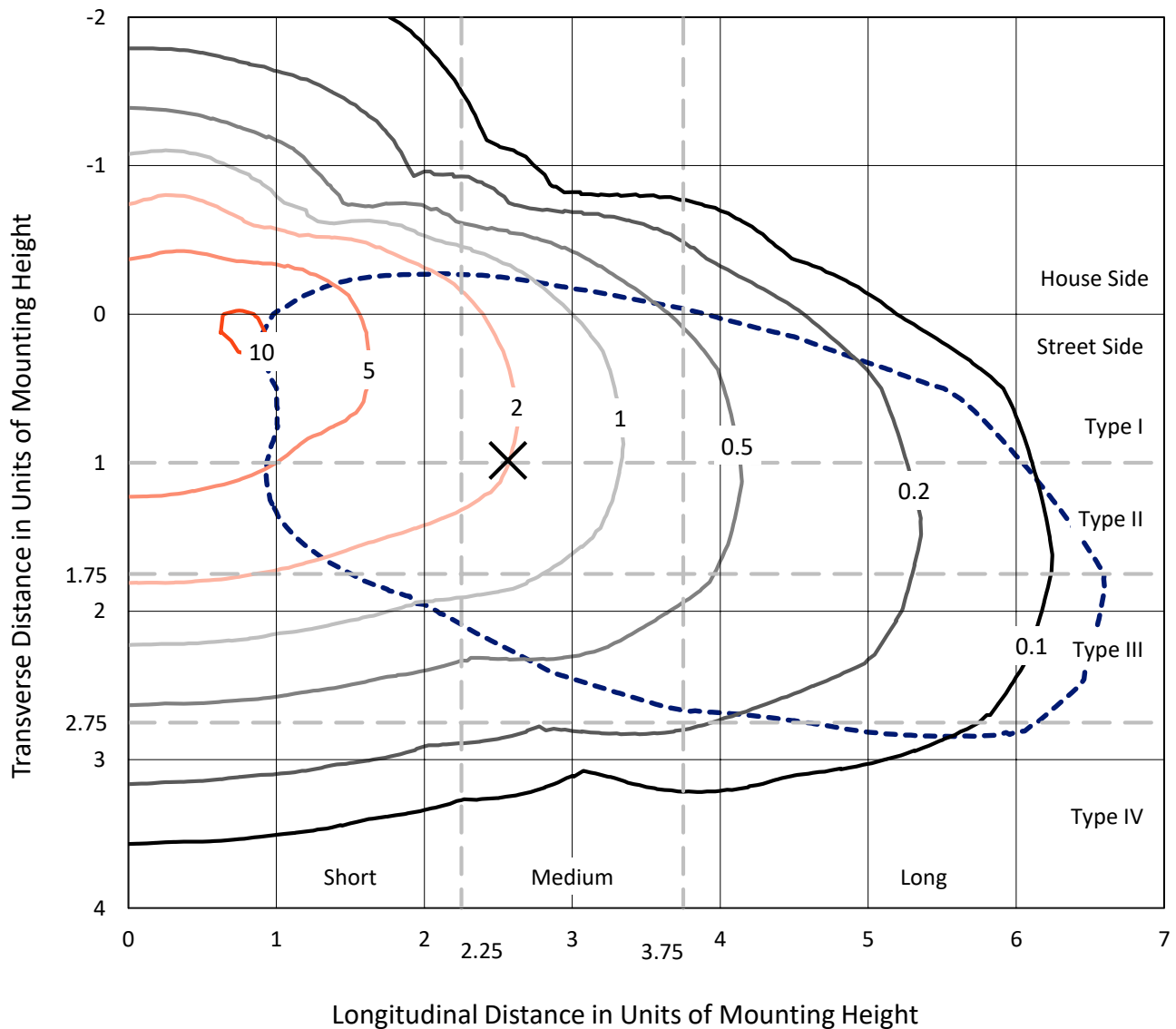


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

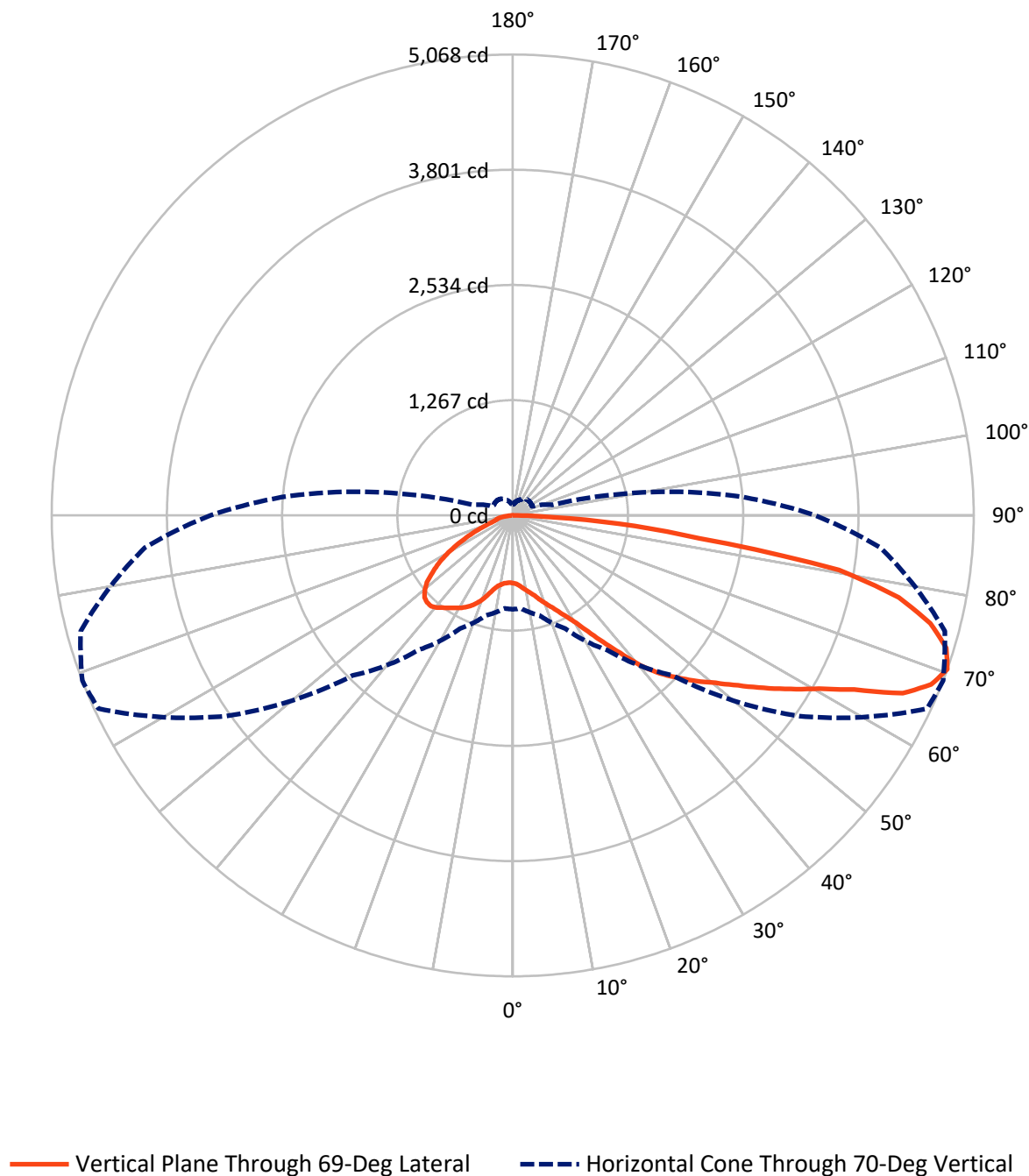


Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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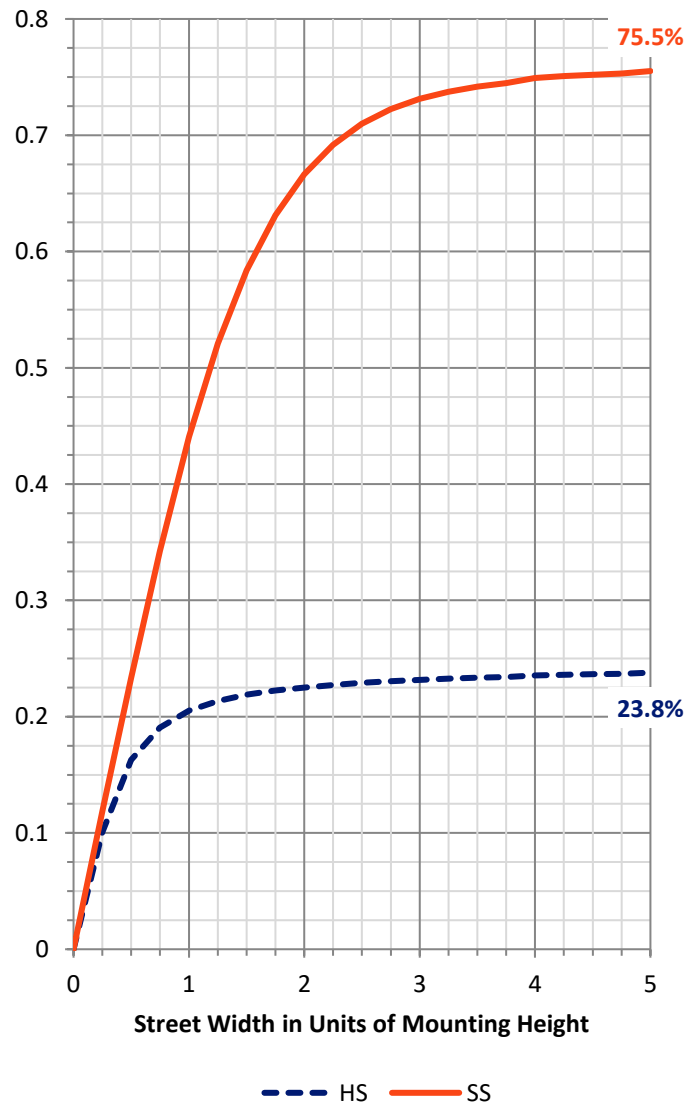
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.2	0.0	1861.2
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5812.4	0.0	5812.4
	% Fixture	75.7	0.0	75.7
Total	Lumens	7673.7	0.0	7673.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.0
10°-20°	242.7	3.2
20°-30°	456.4	5.9
30°-40°	781.3	10.2
40°-50°	1193.3	15.6
50°-60°	1543.2	20.1
60°-70°	1755.4	22.9
70°-80°	1337.5	17.4
80°-90°	290.2	3.8
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°	7673.7	100.0
0°-180°	7673.7	100.0

Coefficient of Utilization



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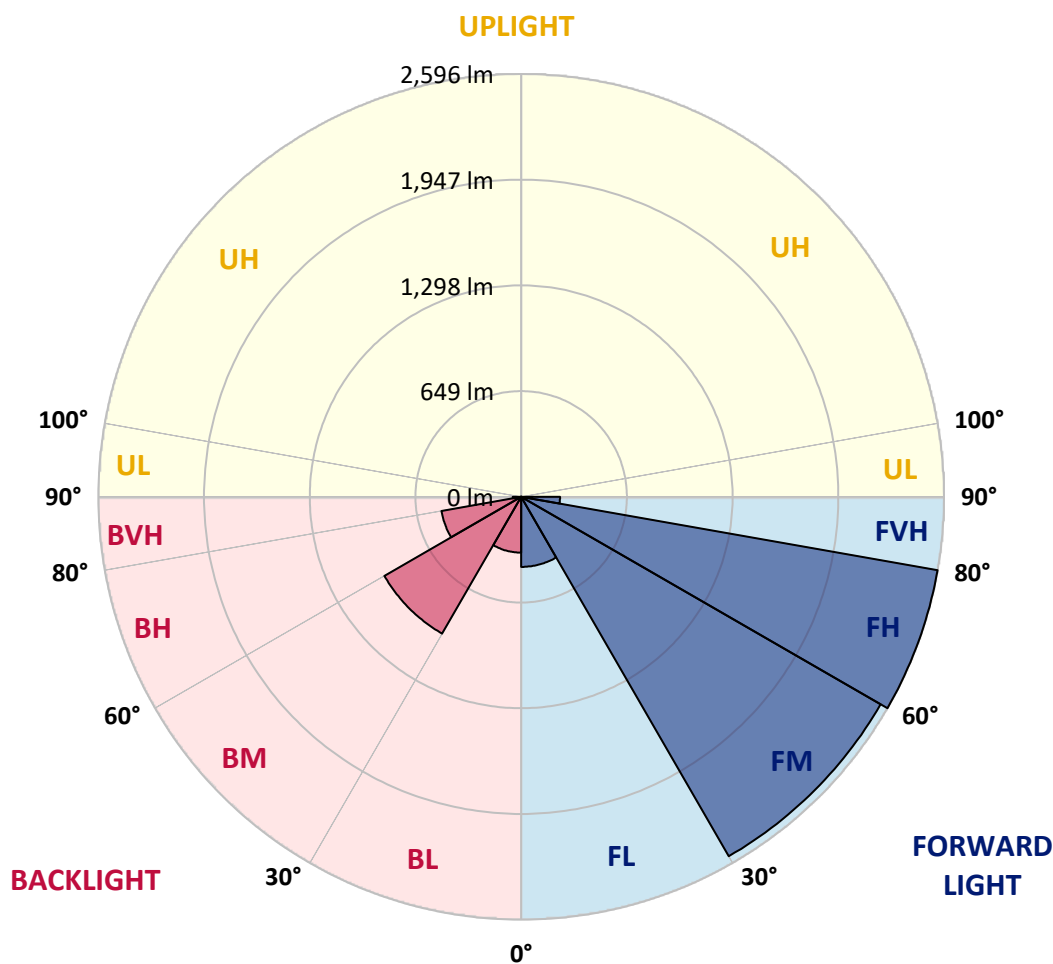
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	430.2	5.6			
FM	(30°-60°)	2547.9	33.2			
FH	(60°-80°)	2595.9	33.8			G2/5000
FVH	(80°-90°)	238.5	3.1			G3/500
BL	(0°-30°)	342.7	4.5	B1/500		
BM	(30°-60°)	969.9	12.6	B1/1000		
BH	(60°-80°)	497.0	6.5	B1/500		G1/500
BVH	(80°-90°)	51.7	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4
2.5°	790.8	785.5	785.9	772.3	772.8	767.5	764.5	760.1	752.5	755.2	742.8
5°	829.1	822.0	824.2	808.1	807.3	800.1	792.6	779.1	775.7	774.3	763.3
7.5°	854.2	852.7	851.5	843.3	842.5	834.2	827.1	812.5	806.9	800.1	786.2
10°	878.6	879.7	880.8	866.6	875.6	865.8	857.9	845.9	838.4	836.2	814.7
12.5°	891.0	892.0	898.1	893.9	899.2	904.4	896.6	884.2	876.6	876.6	851.9
15°	901.8	904.8	914.9	918.3	927.7	932.2	938.2	930.3	919.0	917.2	896.6
17.5°	920.2	918.7	927.7	942.7	953.6	962.2	979.1	976.8	976.1	971.2	956.2
20°	944.9	942.4	951.4	957.7	974.6	1000.4	1023.3	1035.0	1034.3	1031.6	1018.5
22.5°	971.9	969.3	969.7	974.6	997.5	1036.5	1071.8	1093.9	1094.2	1095.7	1107.7
25°	1018.1	1007.2	1003.8	1008.0	1035.3	1083.0	1128.4	1164.7	1171.9	1180.5	1218.8
27.5°	1129.9	1135.2	1089.4	1059.7	1082.6	1141.1	1194.4	1248.0	1259.3	1285.2	1361.8
30°	1303.6	1295.0	1271.7	1207.1	1155.0	1207.1	1282.2	1348.6	1369.9	1436.0	1505.1
32.5°	1434.9	1435.2	1424.0	1369.2	1297.2	1284.4	1369.2	1479.1	1521.5	1644.2	1706.1
35°	1568.0	1562.4	1572.1	1520.4	1456.6	1411.3	1464.1	1609.2	1706.4	1888.0	1921.4
37.5°	1693.0	1694.8	1697.1	1647.2	1616.8	1601.1	1595.0	1777.8	1917.3	2114.6	2135.6
40°	1785.6	1795.7	1802.9	1775.4	1764.6	1765.4	1739.5	1977.7	2170.9	2365.2	2341.2
42.5°	1859.5	1871.1	1922.9	1886.1	1901.9	1933.4	1928.9	2136.0	2376.4	2557.2	2529.5
45°	1921.4	1921.8	1957.7	1972.4	2028.6	2088.3	2093.2	2304.8	2546.7	2730.5	2677.3
47.5°	1964.2	1956.7	1984.8	2044.4	2148.0	2218.2	2264.7	2495.7	2722.7	2885.9	2828.4
50°	1977.3	1987.8	2034.7	2110.5	2248.5	2359.1	2457.1	2737.7	2894.1	3037.8	2951.1
52.5°	2001.7	2006.2	2071.8	2170.9	2350.5	2498.0	2595.5	2987.5	3105.0	3193.5	3101.2
55°	2022.3	2035.1	2097.8	2202.8	2415.1	2610.5	2742.2	3215.2	3347.6	3364.9	3258.3
57.5°	1948.4	1960.8	2072.2	2211.8	2468.7	2701.3	2903.1	3436.5	3601.2	3572.0	3395.6
60°	1811.9	1826.1	1959.6	2187.0	2477.3	2802.6	3114.0	3730.6	3869.1	3833.8	3550.2
62.5°	1688.1	1688.8	1833.2	2080.8	2436.5	2872.0	3370.2	4111.0	4215.3	4153.4	3721.6
65°	1524.9	1523.4	1654.0	1910.2	2320.9	2850.6	3570.1	4575.5	4713.5	4538.0	3885.6
67.5°	1304.3	1299.9	1431.8	1669.3	2106.3	2740.7	3739.6	4891.3	4962.6	4818.5	4016.5
70°	1031.2	1026.3	1138.1	1373.7	1807.3	2489.7	3846.6	5026.4	5068.3	4917.9	4057.7
72.5°	723.3	720.2	787.0	973.4	1382.7	2094.7	3823.7	4958.8	4985.5	4814.0	3936.6
75°	428.0	426.9	489.1	595.7	817.4	1560.9	3565.2	4711.3	4743.2	4587.5	3639.1
77.5°	165.0	153.0	239.0	290.0	464.8	731.1	2727.2	4266.7	4340.6	4194.3	3206.2
80°	54.1	55.9	167.7	204.8	269.7	327.5	1459.3	3462.8	3638.0	3544.2	2428.5
82.5°	39.4	40.5	104.3	138.4	178.6	222.0	552.2	1882.4	2066.9	2035.1	1192.2
85°	25.9	25.9	35.6	49.2	66.8	88.9	155.0	955.5	1171.2	1136.2	516.6
87.5°	13.9	14.2	20.7	29.7	40.2	46.8	49.5	195.4	266.7	232.2	103.1
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°	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4
2.5°	739.0	746.5	740.9	736.4	728.9	724.8	725.8	722.1	718.7	727.4	723.3
5°	759.6	764.5	749.9	741.3	729.2	719.1	718.4	710.1	706.0	709.4	710.9
7.5°	777.2	781.0	761.5	746.2	734.1	722.1	713.8	699.6	694.0	700.0	702.3
10°	807.6	803.2	779.6	762.3	744.6	730.0	716.1	702.6	692.4	692.9	693.6
12.5°	842.2	829.8	808.8	784.4	765.2	750.6	731.5	708.6	692.4	692.1	694.8
15°	890.2	875.2	856.8	827.9	806.5	785.5	754.8	715.0	689.5	680.5	676.7
17.5°	950.2	930.3	923.9	890.5	855.3	815.2	766.0	717.7	672.6	655.8	656.5
20°	1022.3	1015.8	1007.5	952.9	902.2	834.7	771.3	705.6	645.3	615.6	612.6
22.5°	1123.5	1120.5	1081.5	1006.5	928.8	847.4	766.7	680.1	607.3	570.5	563.0
25°	1240.5	1216.1	1143.7	1051.8	949.8	850.8	748.7	642.9	562.7	516.9	514.7
27.5°	1356.9	1313.7	1207.1	1080.4	951.7	837.6	710.9	592.4	518.4	475.7	470.1
30°	1492.2	1434.2	1271.4	1101.0	947.6	804.7	658.0	550.0	489.1	446.7	440.4
32.5°	1663.3	1564.6	1334.7	1110.4	919.8	760.4	601.7	531.5	467.7	419.0	411.6
35°	1868.2	1736.9	1420.6	1110.0	883.4	691.7	573.2	521.0	452.8	392.8	381.5
37.5°	2064.4	1929.7	1517.8	1105.5	825.2	620.0	553.3	504.2	442.6	387.5	381.1
40°	2245.2	2088.0	1635.5	1097.2	757.0	576.6	531.2	477.9	430.6	392.4	385.3
42.5°	2413.6	2237.2	1741.0	1076.6	681.9	545.8	501.1	460.3	417.9	369.5	358.7
45°	2565.9	2363.3	1813.7	1027.9	599.8	511.7	467.4	436.7	394.6	345.1	336.5
47.5°	2693.0	2478.0	1865.1	962.2	533.4	475.7	428.4	403.3	366.1	320.7	309.5
50°	2804.5	2591.8	1900.0	850.5	475.3	438.9	389.7	362.4	329.0	296.8	288.8
52.5°	2913.2	2706.9	1940.6	701.1	420.6	396.1	345.5	315.1	290.0	274.9	269.7
55°	3057.0	2853.6	1940.6	513.9	370.2	362.0	307.3	267.1	249.5	239.0	241.6
57.5°	3186.7	2943.7	1858.7	382.6	338.3	326.8	265.6	226.2	207.4	210.1	217.9
60°	3330.4	3029.5	1630.7	316.6	311.4	278.3	226.6	198.8	189.1	179.7	178.6
62.5°	3429.0	3041.9	1337.7	279.5	284.4	245.7	212.0	183.0	172.2	158.7	155.7
65°	3539.3	2975.6	1006.5	262.2	260.3	233.3	208.9	180.8	165.8	143.7	139.9
67.5°	3498.8	2779.3	714.6	242.7	243.5	234.9	213.8	180.4	162.5	138.4	135.8
70°	3322.9	2461.6	447.9	233.7	240.1	237.8	222.5	189.8	161.3	125.7	121.9
72.5°	3074.9	2052.7	250.6	216.9	238.2	239.7	233.0	198.4	147.8	102.8	100.6
75°	2668.3	1566.5	179.3	200.7	229.2	239.3	228.4	190.9	135.5	96.8	93.8
77.5°	2086.1	918.3	157.9	185.0	212.3	213.8	226.6	198.4	140.6	98.3	94.9
80°	1128.1	380.0	132.8	162.8	174.5	202.2	219.8	185.3	130.2	79.2	74.3
82.5°	457.7	107.3	77.3	103.6	141.4	166.9	195.9	164.0	119.2	66.0	62.3
85°	117.0	36.8	36.0	52.9	84.8	125.0	159.1	140.3	97.2	29.3	1.9
87.5°	14.6	12.0	14.2	29.3	55.1	89.7	116.7	101.3	69.0	0.4	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)