

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: P286958

Luminaire Tested: **USSL-C01-D-U-T3-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286958
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-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE III OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7537 lumens
Efficiency: N/A
Efficacy: 144.9 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



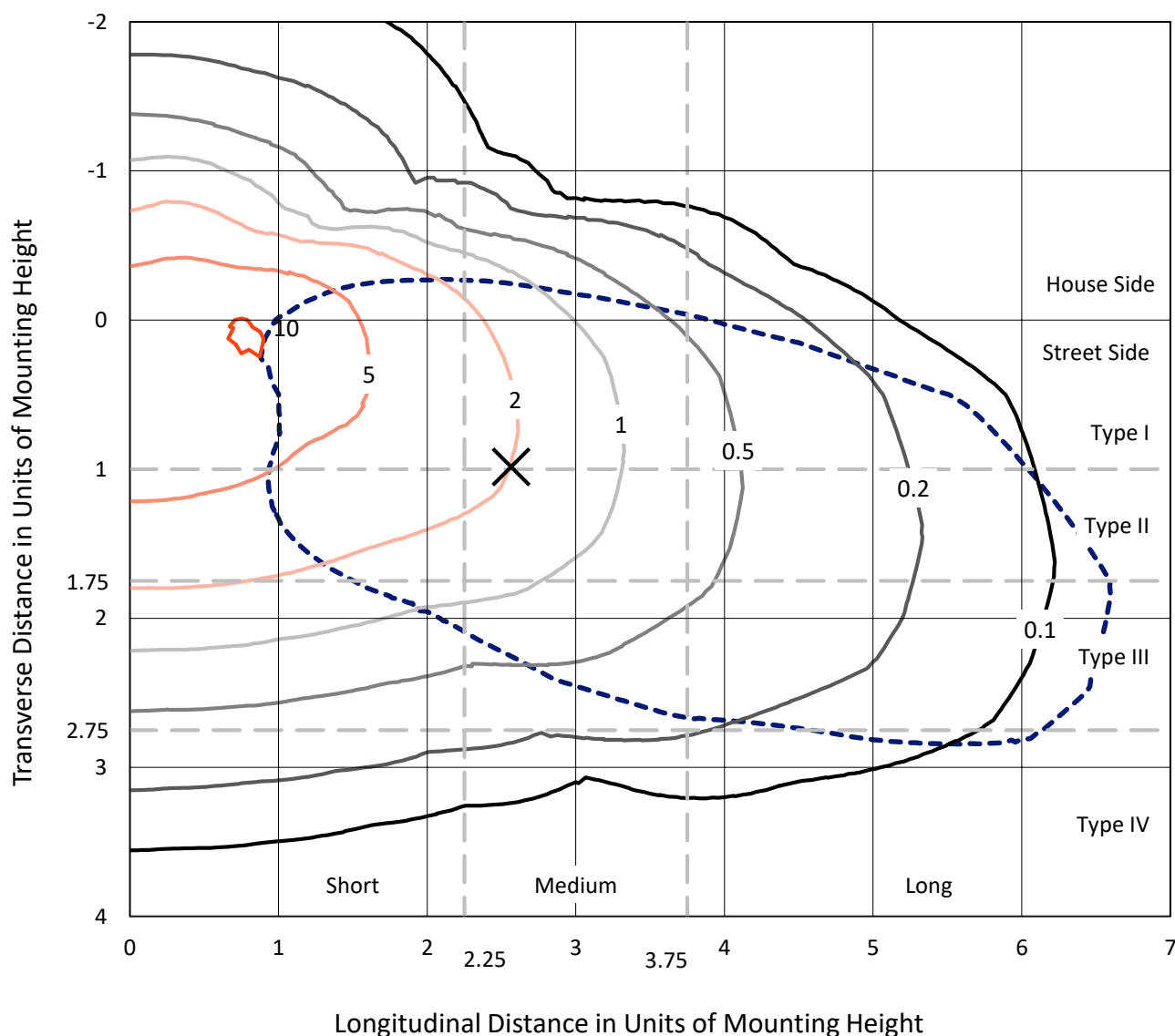
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

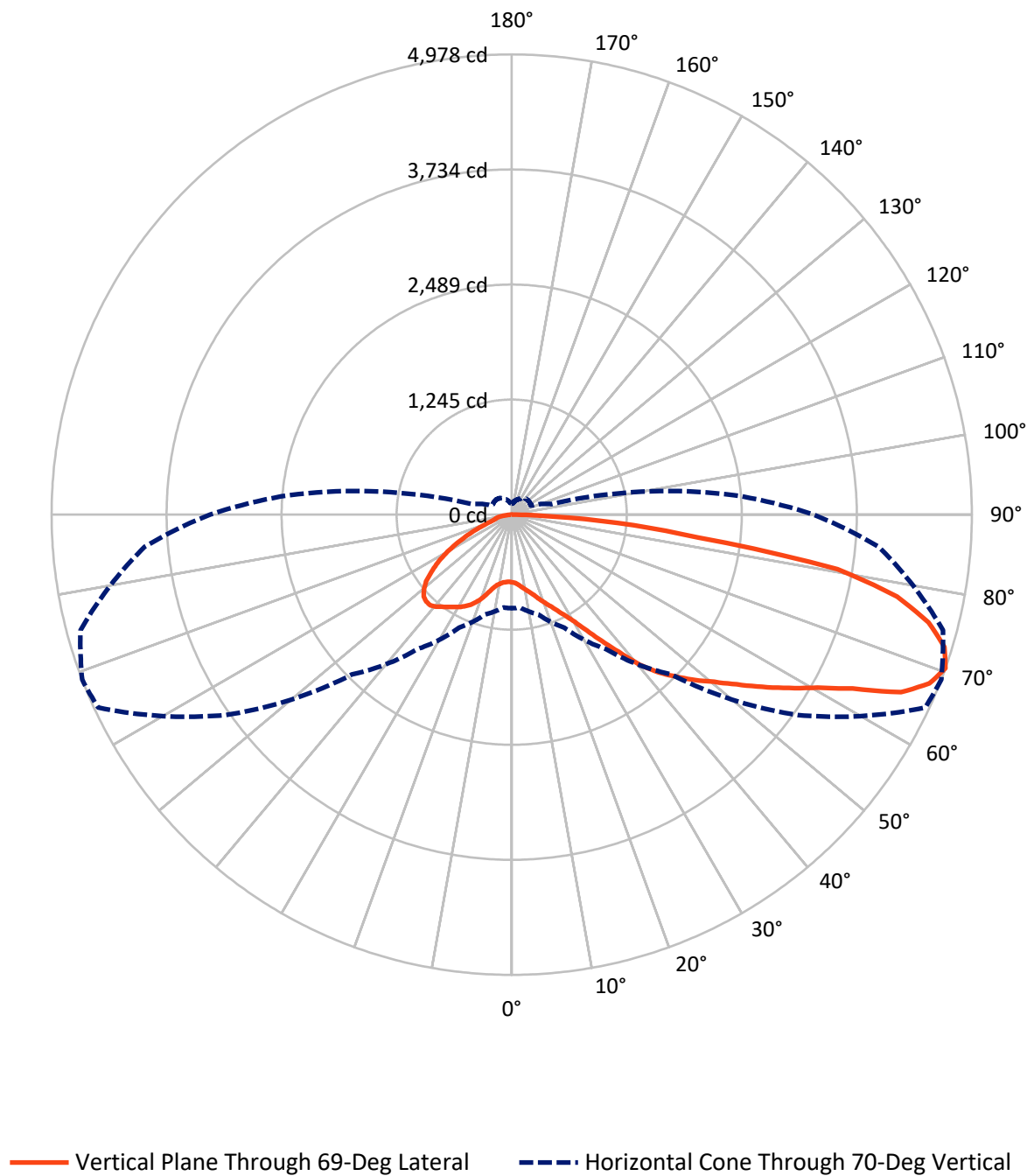


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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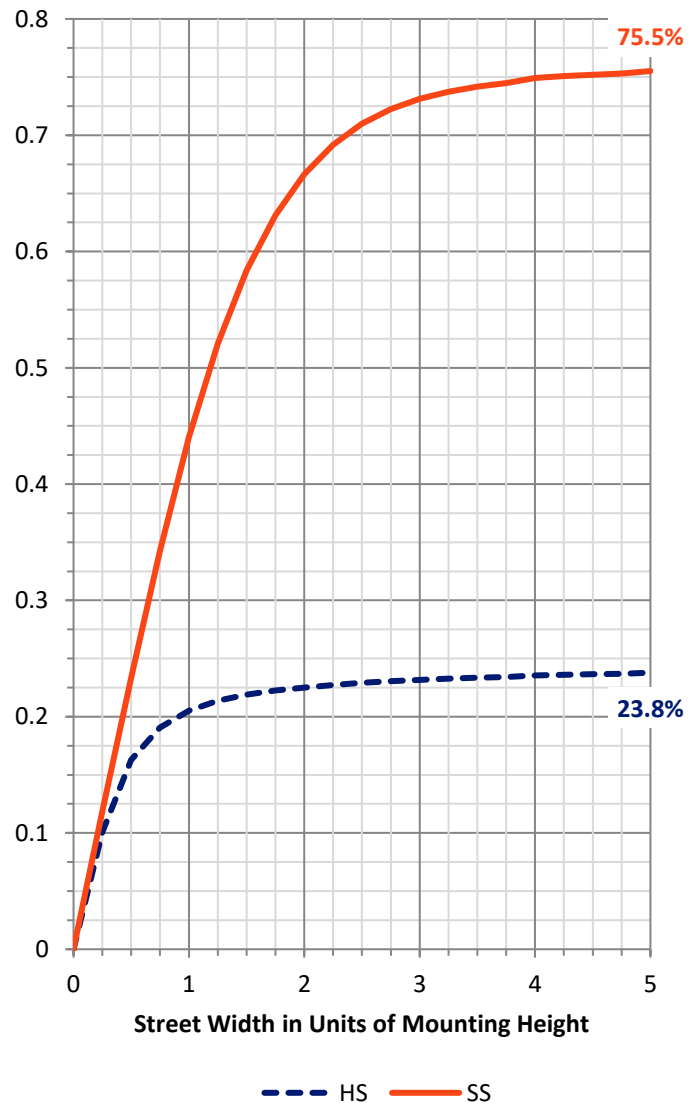
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1828.1	0.0	1828.1
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5708.9	0.0	5708.9
	% Fixture	75.7	0.0	75.7
Total	Lumens	7537.0	0.0	7537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.0
10°-20°	238.3	3.2
20°-30°	448.2	5.9
30°-40°	767.4	10.2
40°-50°	1172.0	15.6
50°-60°	1515.7	20.1
60°-70°	1724.1	22.9
70°-80°	1313.7	17.4
80°-90°	285.0	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°	7537.0	100.0
0°-180°	7537.0	100.0

Coefficient of Utilization



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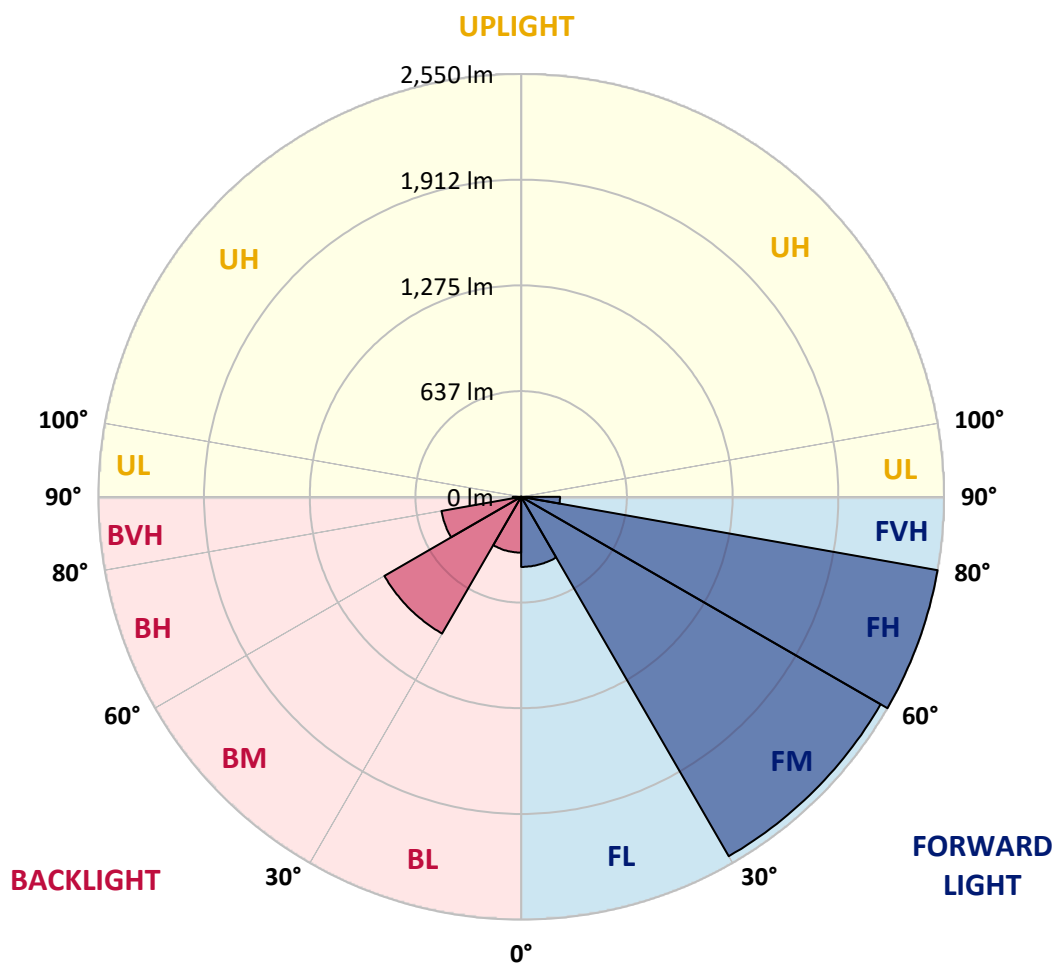
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.5	5.6			
FM	(30°-60°)	2502.5	33.2			
FH	(60°-80°)	2549.6	33.8			G2/5000
FVH	(80°-90°)	234.2	3.1			G3/500
BL	(0°-30°)	336.6	4.5	B1/500		
BM	(30°-60°)	952.6	12.6	B1/1000		
BH	(60°-80°)	488.1	6.5	B1/500		G1/500
BVH	(80°-90°)	50.7	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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	776.7	771.5	771.9	758.7	759.0	753.8	750.9	746.5	739.1	741.7	729.5
5°	814.2	807.2	809.4	793.7	792.9	785.9	778.5	765.2	762.0	760.5	749.8
7.5°	838.9	837.4	836.4	828.3	827.6	819.4	812.4	798.0	792.5	785.9	772.2
10°	862.9	864.0	865.1	851.1	859.9	850.4	842.6	830.9	823.4	821.2	800.2
12.5°	875.1	876.1	882.0	878.0	883.1	888.3	880.6	868.4	861.1	861.1	836.7
15°	885.8	888.7	898.6	902.0	911.2	915.5	921.5	913.7	902.7	900.8	880.6
17.5°	903.8	902.3	911.2	925.9	936.6	945.0	961.6	959.4	958.7	953.9	939.2
20°	928.2	925.5	934.4	940.7	957.2	982.6	1005.1	1016.6	1015.8	1013.3	1000.3
22.5°	954.7	952.1	952.4	957.2	979.7	1018.0	1052.7	1074.4	1074.7	1076.2	1088.0
25°	999.9	989.3	985.9	990.1	1016.9	1063.7	1108.2	1144.1	1151.1	1159.5	1197.1
27.5°	1109.7	1114.9	1070.0	1040.8	1063.3	1120.8	1173.1	1225.8	1236.9	1262.2	1337.5
30°	1280.4	1271.9	1249.0	1185.6	1134.4	1185.6	1259.4	1324.6	1345.5	1410.4	1478.2
32.5°	1409.3	1409.7	1398.6	1344.8	1274.1	1261.6	1344.8	1452.8	1494.5	1614.9	1675.7
35°	1540.1	1534.5	1544.2	1493.3	1430.7	1386.1	1438.1	1580.6	1676.0	1854.4	1887.2
37.5°	1662.8	1664.7	1666.8	1617.8	1587.9	1572.5	1566.6	1746.1	1883.1	2076.9	2097.5
40°	1753.8	1763.8	1770.8	1743.9	1733.1	1733.9	1708.5	1942.5	2132.2	2323.1	2299.5
42.5°	1826.4	1837.8	1888.6	1852.5	1868.0	1898.9	1894.6	2098.0	2334.1	2511.6	2484.4
45°	1887.2	1887.6	1922.9	1937.3	1992.5	2051.1	2055.9	2263.7	2501.4	2681.9	2629.6
47.5°	1929.1	1921.8	1949.5	2008.0	2109.7	2178.6	2224.3	2451.2	2674.1	2834.4	2778.1
50°	1942.1	1952.3	1998.4	2072.8	2208.4	2317.2	2413.3	2688.9	2842.5	2983.6	2898.5
52.5°	1966.0	1970.5	2034.9	2132.2	2308.7	2453.5	2549.3	2934.3	3049.7	3136.6	3045.9
55°	1986.3	1998.8	2060.3	2163.5	2372.1	2564.0	2693.3	3158.0	3288.0	3305.0	3200.3
57.5°	1913.6	1925.8	2035.3	2172.4	2424.7	2653.1	2851.3	3375.4	3537.1	3508.3	3335.2
60°	1779.6	1793.6	1924.8	2148.0	2433.2	2752.7	3058.4	3664.2	3800.2	3765.5	3487.0
62.5°	1658.0	1658.7	1800.6	2043.8	2393.0	2820.8	3310.1	4037.8	4140.2	4079.4	3655.3
65°	1497.7	1496.3	1624.5	1876.1	2279.5	2799.8	3506.5	4493.9	4629.5	4457.1	3816.4
67.5°	1281.1	1276.6	1406.4	1639.6	2068.8	2691.8	3673.0	4804.1	4874.2	4732.7	3944.9
70°	1012.8	1008.1	1117.9	1349.3	1775.1	2445.4	3778.0	4936.8	4978.0	4830.3	3985.4
72.5°	710.3	707.4	773.0	956.1	1358.0	2057.4	3755.5	4870.5	4896.6	4728.2	3866.4
75°	420.4	419.3	480.5	585.1	802.9	1533.1	3501.7	4627.3	4658.6	4505.7	3574.3
77.5°	162.2	150.3	234.7	284.8	456.5	718.1	2678.6	4190.6	4263.2	4119.6	3149.1
80°	53.1	54.9	164.7	201.2	264.9	321.7	1433.2	3401.1	3573.1	3481.0	2385.3
82.5°	38.7	39.7	102.4	136.0	175.4	218.1	542.4	1848.9	2030.1	1998.8	1170.9
85°	25.4	25.4	35.0	48.2	65.6	87.3	152.2	938.4	1150.3	1116.0	507.4
87.5°	13.7	14.0	20.2	29.1	39.4	46.1	48.6	191.9	262.0	228.1	101.3
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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	725.8	733.2	727.7	723.3	715.9	711.8	712.9	709.3	705.9	714.4	710.3
5°	746.1	750.9	736.5	728.0	716.3	706.3	705.6	697.4	693.4	696.8	698.2
7.5°	763.4	767.0	748.0	732.8	721.0	709.3	701.1	687.1	681.6	687.6	689.7
10°	793.2	788.9	765.7	748.7	731.3	717.0	703.3	690.1	680.1	680.6	681.3
12.5°	827.1	815.0	794.4	770.4	751.6	737.3	718.5	696.0	680.1	679.8	682.4
15°	874.3	859.6	841.6	813.2	792.2	771.5	741.3	702.3	677.2	668.4	664.7
17.5°	933.2	913.7	907.5	874.7	840.1	800.6	752.3	704.8	660.6	644.0	644.7
20°	1004.0	997.8	989.6	935.9	886.1	819.8	757.5	693.1	633.7	604.6	601.7
22.5°	1103.5	1100.5	1062.2	988.6	912.3	832.3	753.1	667.9	596.5	560.4	553.1
25°	1218.5	1194.5	1123.4	1033.1	932.9	835.6	735.5	631.5	552.6	507.7	505.5
27.5°	1332.6	1290.3	1185.6	1061.1	934.7	822.7	698.2	581.8	509.2	467.2	461.7
30°	1465.6	1408.6	1248.7	1081.4	930.7	790.3	646.2	540.1	480.5	438.8	432.5
32.5°	1633.7	1536.7	1310.9	1090.6	903.5	746.8	591.0	522.1	459.5	411.6	404.1
35°	1834.9	1705.9	1395.3	1090.2	867.6	679.4	563.0	511.7	444.7	385.8	374.7
37.5°	2027.6	1895.3	1490.7	1085.8	810.6	609.0	543.4	495.2	434.8	380.6	374.4
40°	2205.1	2050.8	1606.4	1077.7	743.5	566.3	521.7	469.4	423.0	385.4	378.4
42.5°	2370.6	2197.4	1709.9	1057.5	669.9	536.1	492.2	452.0	410.4	362.9	352.2
45°	2520.1	2321.2	1781.4	1009.6	589.1	502.6	459.0	428.8	387.6	339.0	330.5
47.5°	2645.1	2434.0	1831.9	945.0	523.9	467.2	420.8	396.1	359.6	315.0	304.0
50°	2754.5	2545.6	1866.2	835.3	466.8	431.1	382.8	355.9	323.2	291.5	283.7
52.5°	2861.3	2658.7	1905.9	688.6	413.0	389.1	339.4	309.5	284.8	270.1	264.9
55°	3002.5	2802.8	1905.9	504.7	363.7	355.6	301.8	262.3	245.0	234.7	237.3
57.5°	3129.9	2891.2	1825.7	375.8	332.4	320.9	260.8	222.2	203.7	206.4	214.1
60°	3271.1	2975.6	1601.6	311.0	305.8	273.3	222.6	195.2	185.7	176.5	175.4
62.5°	3367.9	2987.8	1313.9	274.5	279.3	241.3	208.2	179.8	169.2	155.8	152.9
65°	3476.3	2922.5	988.6	257.6	255.6	229.2	205.2	177.6	162.8	141.1	137.5
67.5°	3436.5	2729.8	701.9	238.4	239.1	230.6	210.0	177.2	159.5	136.0	133.3
70°	3263.6	2417.7	440.0	229.6	235.8	233.6	218.4	186.4	158.5	123.5	119.8
72.5°	3020.1	2016.1	246.1	212.9	233.9	235.4	228.8	194.9	145.2	100.9	98.8
75°	2620.7	1538.7	176.2	197.1	225.1	235.1	224.4	187.5	133.0	95.1	92.1
77.5°	2048.9	902.0	155.1	181.7	208.6	210.0	222.6	194.9	138.2	96.6	93.2
80°	1107.9	373.2	130.5	159.9	171.3	198.6	215.9	182.0	127.8	77.7	72.9
82.5°	449.5	105.4	75.9	101.6	139.0	164.0	192.4	161.0	117.1	64.9	61.2
85°	115.0	36.1	35.4	51.9	83.3	122.7	156.2	137.8	95.4	28.7	1.8
87.5°	14.4	11.8	14.0	28.7	54.2	88.1	114.6	99.5	67.8	0.3	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)