

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: P287018

Luminaire Tested: **USSL-C01-D-U-T3-BZ-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-7)
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-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6342 lumens
Efficiency: N/A
Efficacy: 122.0 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 - 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



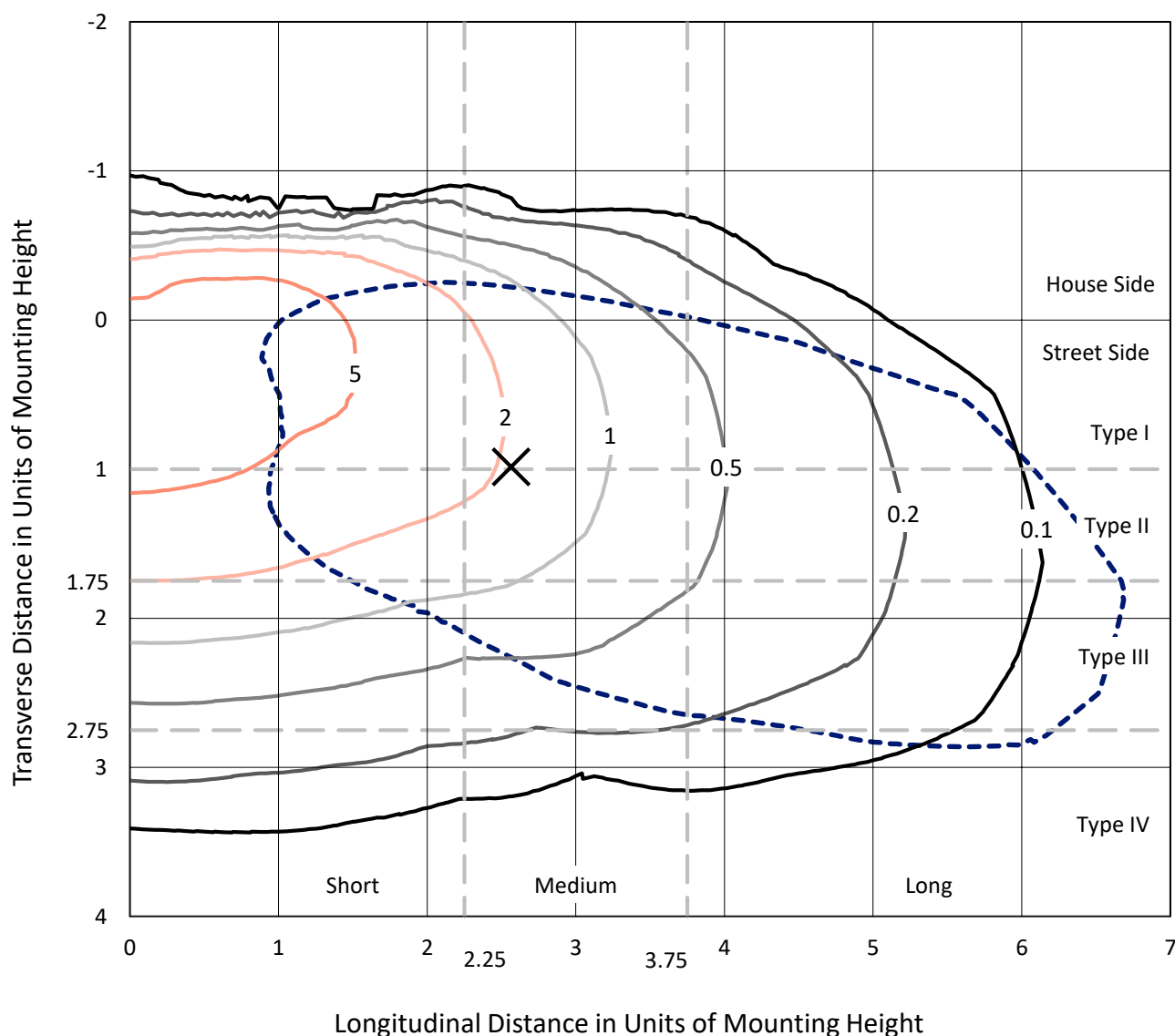
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

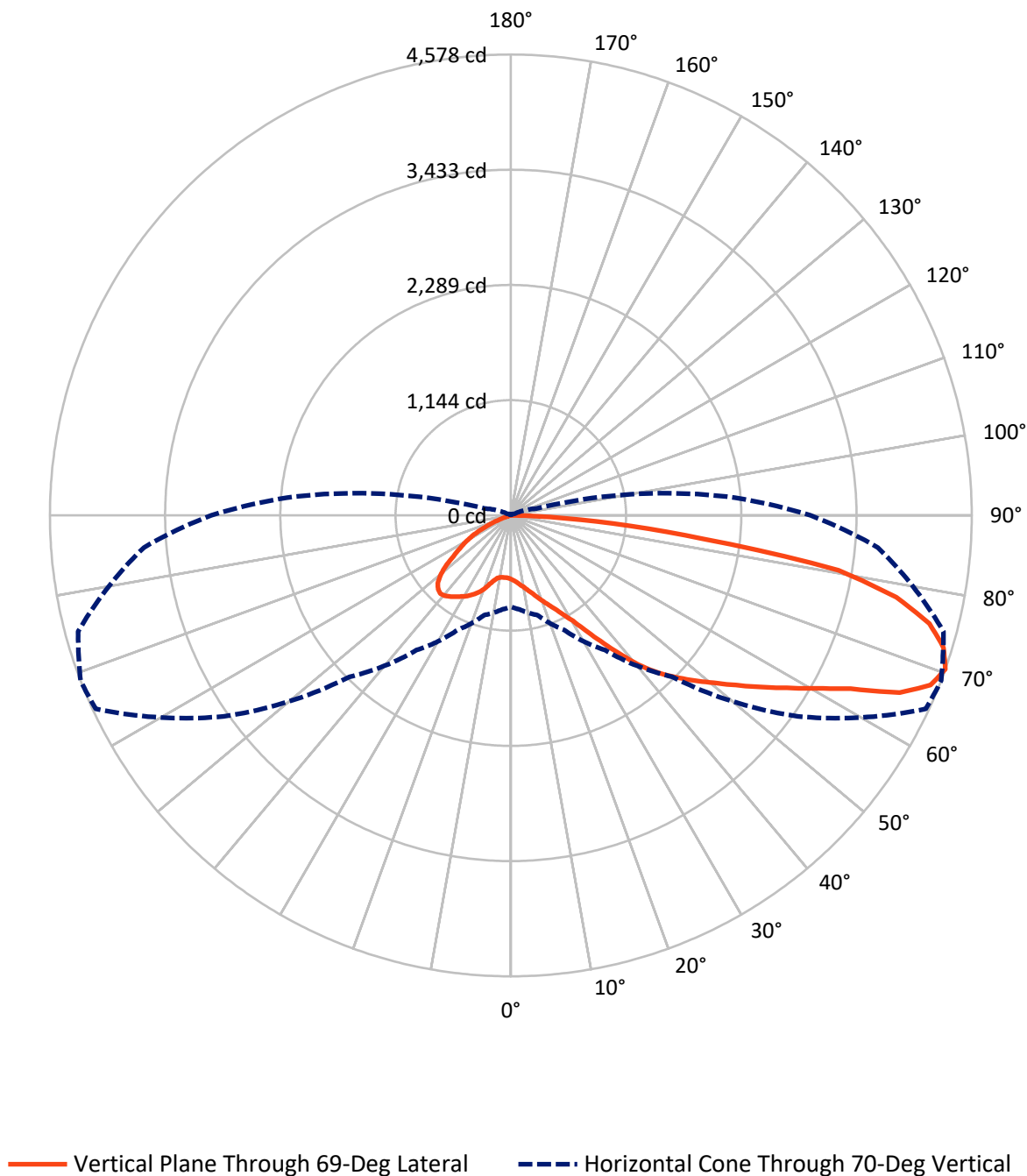


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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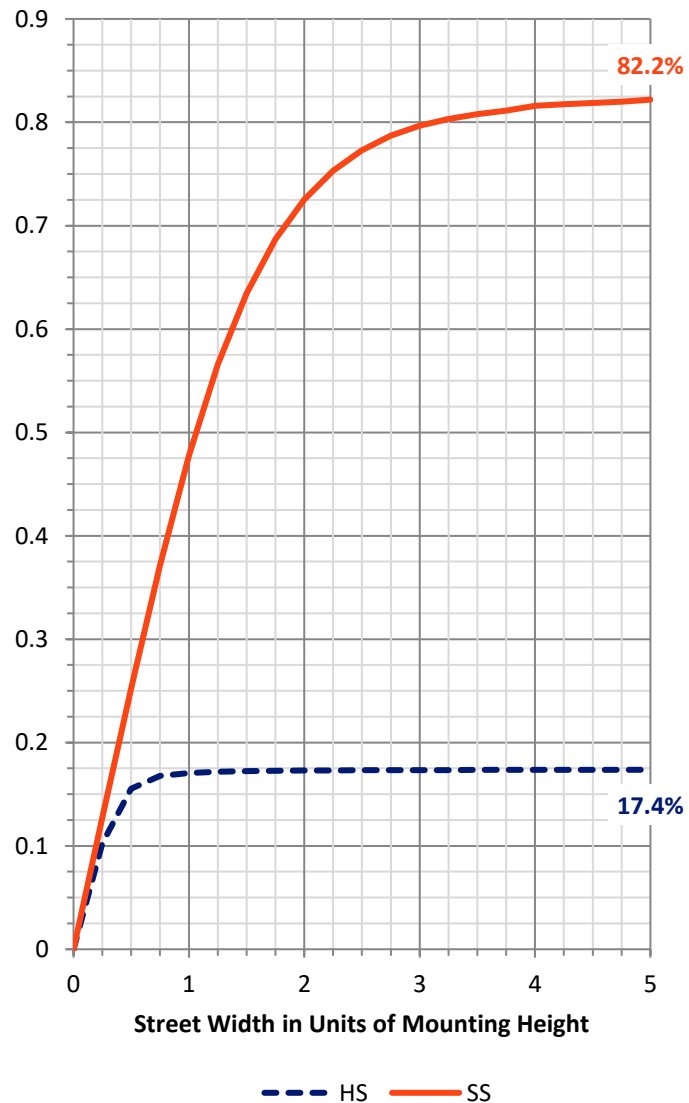
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1114.1	0.0	1114.1
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	5227.9	0.0	5227.9
	% Fixture	82.4	0.0	82.4
Total	Lumens	6342.0	0.0	6342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.0
10°-20°	195.6	3.1
20°-30°	358.7	5.7
30°-40°	616.2	9.7
40°-50°	962.9	15.2
50°-60°	1286.0	20.3
60°-70°	1505.0	23.7
70°-80°	1130.5	17.8
80°-90°	225.4	3.6
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°	6342.0	100.0
0°-180°	6342.0	100.0

Coefficient of Utilization



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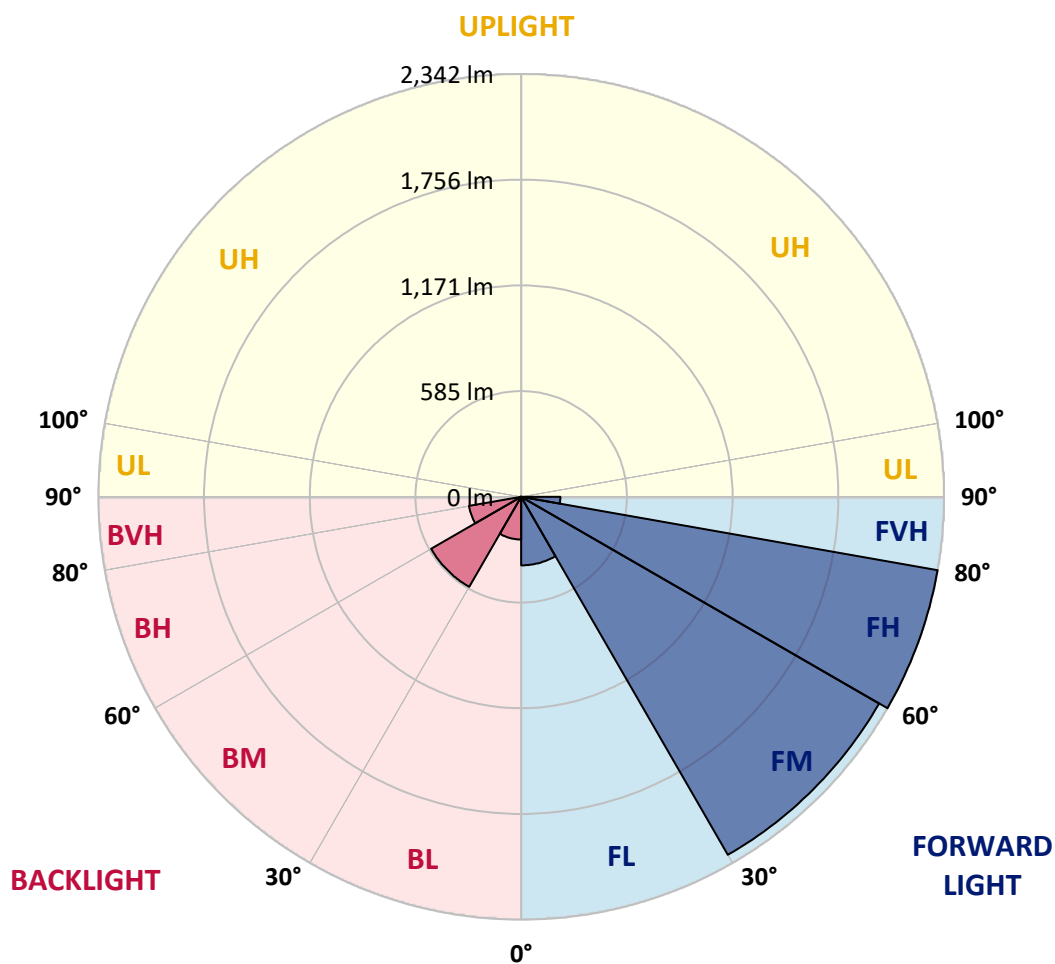
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.6	6.0			
FM	(30°-60°)	2289.4	36.1			
FH	(60°-80°)	2341.9	36.9			G2/5000
FVH	(80°-90°)	217.0	3.4			G2/225
BL	(0°-30°)	236.4	3.7	B1/500		
BM	(30°-60°)	575.7	9.1	B1/1000		
BH	(60°-80°)	293.6	4.6	B1/500		G1/500
BVH	(80°-90°)	8.4	0.1			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	678.2	682.9	679.9	668.9	666.9	666.2	659.1	652.9	649.2	648.1	636.5
5°	715.0	718.8	717.8	705.5	702.1	694.2	688.1	672.0	669.6	666.2	652.2
7.5°	742.7	743.4	749.5	739.3	735.8	726.3	717.4	702.7	700.0	694.5	674.8
10°	768.3	773.0	776.5	763.5	768.9	757.0	746.4	736.2	724.9	724.6	699.7
12.5°	784.6	787.4	794.9	784.6	792.5	792.2	782.6	771.0	764.5	758.7	730.4
15°	794.9	798.0	807.9	815.7	818.4	822.9	822.5	813.7	802.4	800.3	771.0
17.5°	810.9	813.7	821.2	833.8	843.4	853.3	861.1	861.8	855.0	852.6	825.6
20°	835.2	834.8	838.9	846.1	864.2	886.0	903.4	909.9	907.2	906.8	887.0
22.5°	860.8	859.4	863.5	866.9	885.7	922.2	950.9	967.2	968.3	966.2	962.8
25°	901.7	894.9	894.5	898.3	923.2	965.5	1003.1	1031.1	1033.8	1039.3	1069.6
27.5°	1005.8	1004.8	974.4	948.5	965.2	1013.3	1068.6	1105.5	1118.1	1138.9	1196.3
30°	1155.6	1149.8	1137.2	1076.8	1031.7	1075.8	1145.4	1202.4	1215.7	1289.8	1341.0
32.5°	1290.1	1283.6	1278.5	1222.5	1160.4	1150.5	1220.5	1317.8	1356.0	1470.7	1508.9
35°	1407.5	1403.8	1403.8	1366.2	1303.4	1260.8	1310.6	1440.6	1532.4	1692.8	1703.1
37.5°	1514.0	1517.1	1521.2	1479.9	1447.8	1434.1	1430.4	1592.8	1729.7	1898.3	1899.7
40°	1608.2	1615.0	1623.2	1593.2	1571.3	1583.3	1561.1	1776.5	1946.8	2129.7	2086.7
42.5°	1681.6	1690.8	1732.1	1690.5	1706.5	1730.7	1726.0	1922.2	2133.1	2299.0	2257.4
45°	1736.2	1743.4	1768.3	1780.2	1818.4	1866.9	1877.5	2071.7	2292.9	2453.3	2396.6
47.5°	1778.9	1773.7	1788.8	1849.8	1930.4	1984.7	2026.6	2243.0	2449.2	2595.9	2518.5
50°	1798.7	1798.0	1835.2	1910.3	2028.0	2105.5	2186.0	2466.6	2612.7	2732.1	2644.4
52.5°	1813.3	1825.3	1884.0	1971.7	2125.3	2231.1	2315.7	2683.0	2798.7	2881.9	2782.6
55°	1824.2	1847.5	1905.1	2005.5	2192.2	2339.3	2451.9	2879.5	3006.9	3023.6	2907.2
57.5°	1756.3	1780.9	1872.0	2015.4	2244.4	2432.8	2592.2	3105.1	3232.5	3222.6	3040.6
60°	1641.3	1661.1	1772.4	1987.0	2250.9	2536.9	2792.9	3356.0	3485.4	3484.0	3198.7
62.5°	1519.8	1537.6	1647.5	1893.5	2207.5	2593.5	3027.0	3732.5	3786.4	3732.8	3342.7
65°	1365.2	1383.3	1492.5	1736.5	2100.7	2590.5	3224.6	4135.2	4243.7	4088.8	3504.8
67.5°	1160.4	1189.4	1288.1	1514.0	1894.9	2491.8	3395.9	4438.9	4497.0	4357.0	3605.5
70°	907.9	936.2	1025.3	1256.0	1632.4	2266.2	3480.2	4547.8	4577.5	4448.2	3658.4
72.5°	634.1	657.7	698.0	897.6	1268.6	1918.1	3475.1	4495.3	4493.9	4362.5	3537.9
75°	225.9	257.7	420.8	542.3	738.6	1410.6	3247.8	4278.9	4293.9	4174.8	3289.8
77.5°	58.7	61.4	129.7	261.8	415.0	682.3	2412.0	3872.4	3913.0	3774.8	2892.5
80°	43.0	45.1	62.5	182.3	237.5	300.3	1322.9	3173.1	3299.0	3227.0	2217.8
82.5°	30.4	32.8	45.7	120.1	157.0	199.7	496.9	1723.2	1923.2	1911.6	1094.5
85°	19.1	20.8	28.7	43.0	59.7	80.2	139.9	884.6	1015.0	1070.0	478.5
87.5°	8.9	10.2	16.0	25.6	36.5	42.3	42.3	189.8	236.5	251.2	102.0
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°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	630.4	634.5	625.6	620.5	609.9	604.8	602.1	596.9	595.6	598.0	600.3
5°	645.1	646.1	628.0	612.6	599.3	584.3	577.1	562.1	555.6	558.0	560.8
7.5°	663.8	662.1	634.5	611.6	587.7	566.9	552.2	528.3	521.5	519.8	523.6
10°	681.6	673.0	642.3	611.3	579.5	550.9	528.3	503.1	486.7	484.6	485.3
12.5°	713.7	697.3	661.8	618.1	579.9	548.5	515.7	478.5	459.4	453.2	453.2
15°	758.0	730.7	697.3	647.1	601.7	557.0	510.2	461.8	428.3	413.7	413.3
17.5°	805.8	782.6	747.1	687.4	627.7	564.2	498.3	435.5	391.5	370.7	368.6
20°	871.7	858.4	817.8	735.8	652.6	565.2	483.3	403.1	343.7	315.4	309.2
22.5°	964.9	946.8	878.8	773.7	661.1	556.7	454.6	350.9	277.8	240.6	236.9
25°	1061.1	1033.5	938.2	800.3	667.6	539.6	413.3	278.5	199.7	164.8	160.4
27.5°	1167.6	1124.2	989.1	825.6	659.7	510.2	340.3	193.9	129.7	107.5	103.1
30°	1291.1	1228.0	1043.7	843.0	651.2	450.9	251.9	125.6	84.0	67.6	66.6
32.5°	1444.4	1357.0	1097.6	851.5	620.5	373.4	162.8	80.2	51.9	43.7	42.3
35°	1627.3	1505.5	1170.0	849.8	570.3	270.3	102.0	47.1	34.5	33.1	33.1
37.5°	1800.7	1667.3	1256.7	842.7	490.8	172.4	58.4	30.7	30.0	34.5	36.5
40°	1976.1	1825.3	1350.2	823.2	390.1	103.8	32.4	27.3	28.7	33.8	35.8
42.5°	2128.7	1949.8	1440.6	780.9	274.7	55.6	28.7	25.6	27.0	29.4	29.7
45°	2251.9	2065.5	1489.4	721.5	162.8	35.2	27.3	24.6	23.5	24.6	24.9
47.5°	2384.3	2164.2	1529.0	633.8	88.1	34.5	27.0	22.9	20.8	20.1	20.8
50°	2483.0	2269.0	1543.0	504.1	46.4	33.1	25.6	20.8	18.8	20.1	20.5
52.5°	2578.2	2349.5	1536.5	351.9	39.2	30.4	23.5	19.5	17.7	21.8	22.9
55°	2705.1	2448.8	1489.8	171.3	38.2	28.7	21.2	17.1	17.1	17.1	17.1
57.5°	2821.2	2517.1	1396.3	78.2	36.9	26.3	19.1	15.4	13.0	14.3	14.7
60°	2941.3	2622.5	1236.9	49.8	34.8	22.9	16.4	13.3	11.3	11.3	11.6
62.5°	3060.4	2645.1	1015.4	44.0	33.1	20.8	14.3	11.6	9.6	9.6	10.2
65°	3158.7	2607.5	747.8	39.2	31.4	18.8	13.0	10.6	8.2	7.8	8.2
67.5°	3121.5	2424.3	485.7	35.2	28.7	17.1	11.3	9.6	7.5	6.1	6.5
70°	2976.1	2148.1	262.5	33.8	25.9	15.7	10.2	8.5	6.8	5.1	5.1
72.5°	2742.0	1810.3	98.6	31.4	23.9	13.7	9.2	8.5	6.5	4.1	3.8
75°	2358.4	1366.9	46.8	28.3	20.1	12.3	9.2	8.9	6.5	2.7	2.4
77.5°	1891.8	762.5	35.8	23.9	16.4	10.2	9.2	8.5	3.8	1.4	1.0
80°	1016.7	286.4	27.0	17.4	11.9	7.8	8.5	6.1	1.7	0.3	0.0
82.5°	403.4	70.6	18.8	7.8	5.1	3.4	4.8	2.4	0.3	0.0	0.0
85°	101.7	27.6	11.6	4.1	2.7	1.7	0.7	0.0	0.0	0.0	0.0
87.5°	11.6	7.8	3.4	2.0	1.0	0.3	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)