

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: P157116

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157116
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-SL4-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394.1 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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



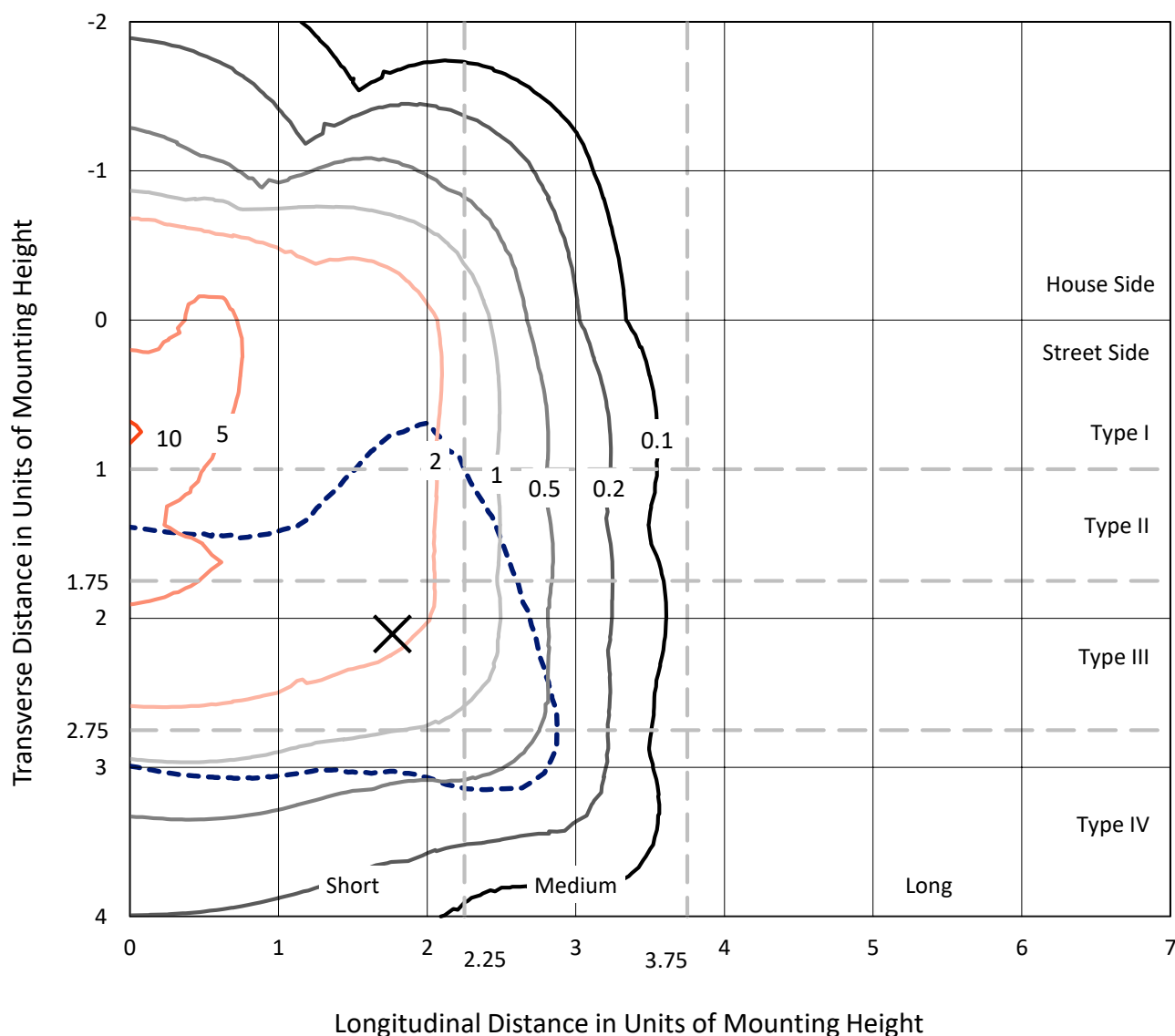
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

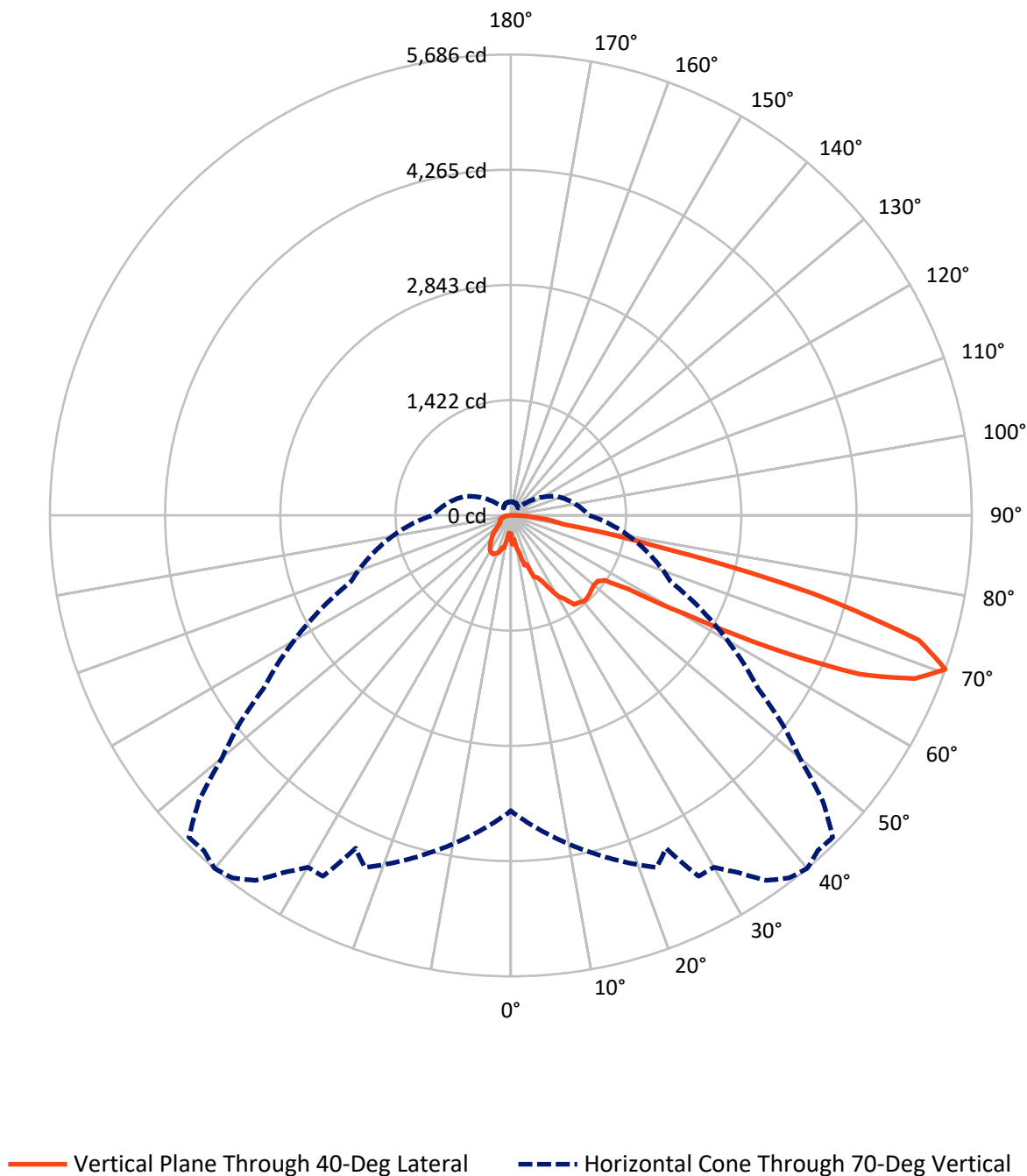


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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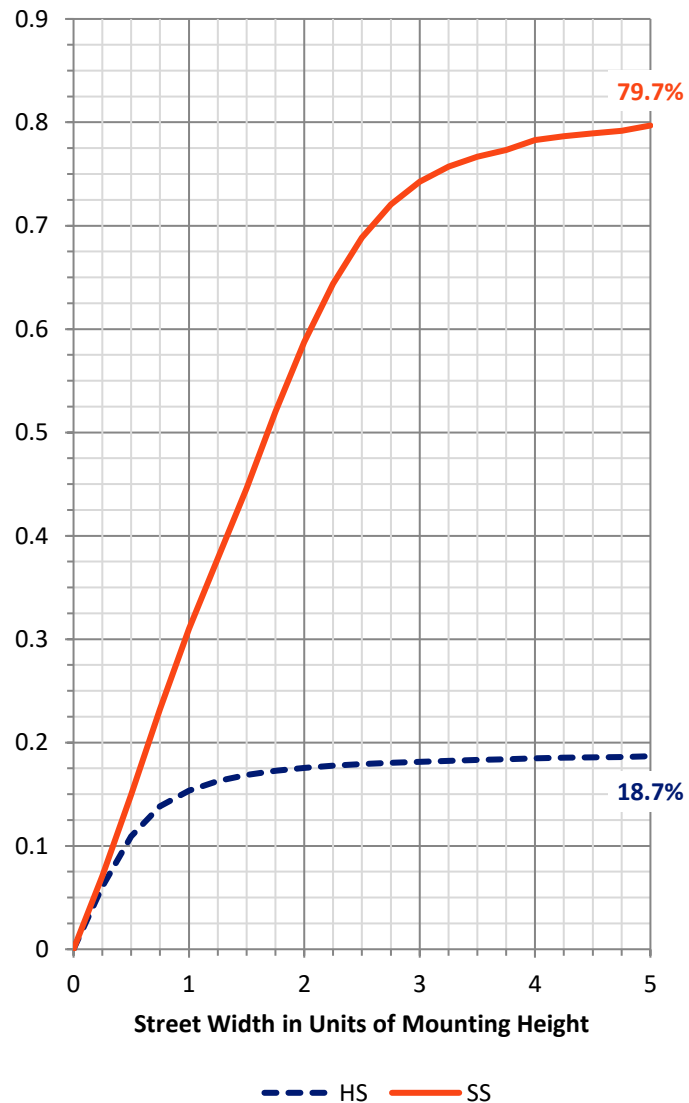
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.6	0.0	1211.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	5182.5	0.0	5182.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	6394.1	0.0	6394.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	0.4
10°-20°	142.5	2.2
20°-30°	350.0	5.5
30°-40°	585.6	9.2
40°-50°	741.0	11.6
50°-60°	1150.1	18.0
60°-70°	2161.4	33.8
70°-80°	1066.0	16.7
80°-90°	168.9	2.6
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°	6394.1	100.0
0°-180°	6394.1	100.0

Coefficient of Utilization



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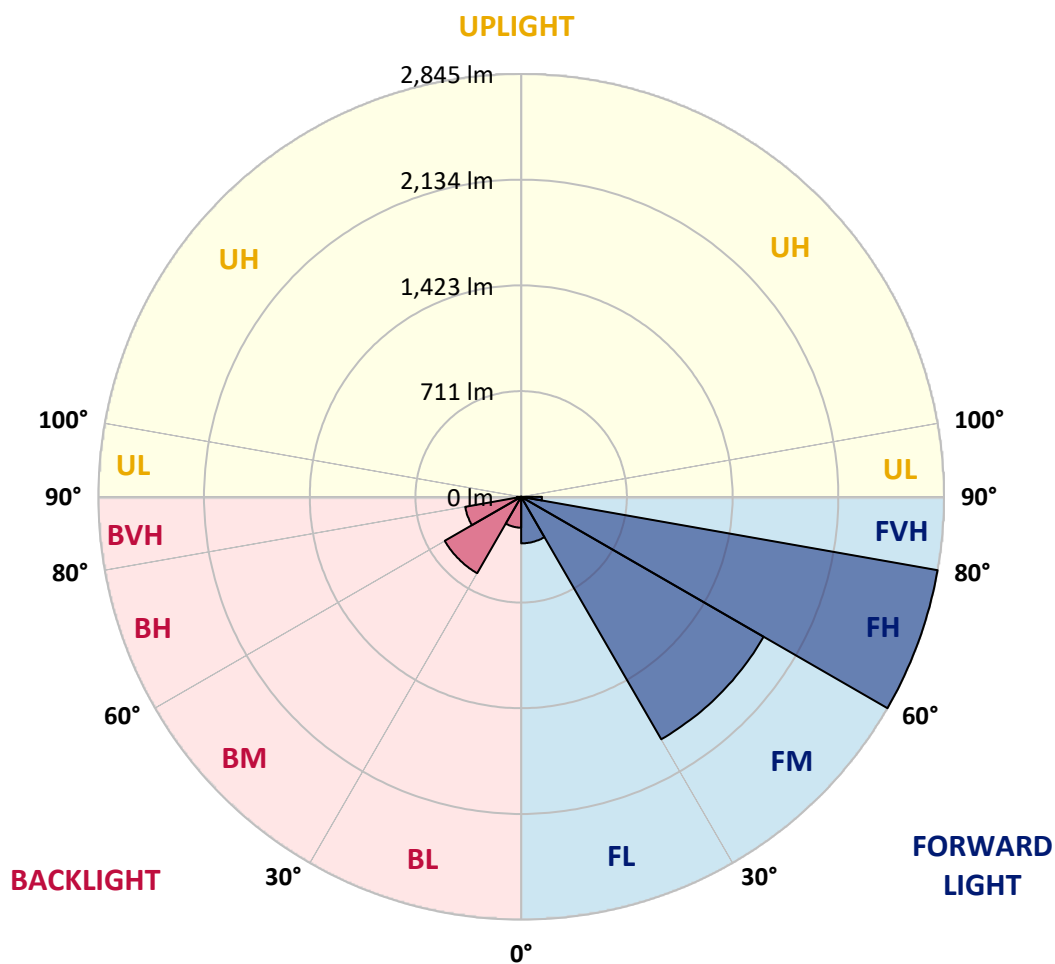
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.4	4.9			
FM	(30°-60°)	1883.7	29.5			
FH	(60°-80°)	2845.0	44.5			G2/5000
FVH	(80°-90°)	140.4	2.2			G2/225
BL	(0°-30°)	207.7	3.2	B1/500		
BM	(30°-60°)	593.0	9.3	B1/1000		
BH	(60°-80°)	382.4	6.0	B1/500		G1/500
BVH	(80°-90°)	28.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4
2.5°	357.0	349.4	357.0	355.8	362.1	360.9	360.9	357.0	355.8	359.6	358.3
5°	299.9	301.1	294.8	288.4	292.2	292.2	292.2	289.7	288.4	293.5	297.3
7.5°	444.7	446.0	442.2	435.8	444.7	435.8	432.0	409.1	368.5	301.1	297.3
10°	449.8	448.5	439.6	434.5	435.8	435.8	433.3	429.5	412.9	414.2	421.8
12.5°	583.2	583.2	562.9	546.4	554.0	538.7	453.6	437.1	429.5	482.8	532.4
15°	622.6	590.8	571.8	546.4	555.3	561.6	648.0	654.4	668.3	637.8	632.8
17.5°	729.3	730.6	702.6	696.3	771.3	738.2	663.3	654.4	665.8	636.6	631.5
20°	861.5	858.9	772.5	889.4	794.1	789.1	770.0	762.4	792.9	808.1	724.2
22.5°	895.8	897.1	942.8	992.3	914.8	883.1	848.8	848.8	842.4	832.3	789.1
25°	1100.4	1102.9	977.1	1040.6	955.5	993.6	977.1	942.8	916.1	899.6	880.5
27.5°	1204.5	1188.0	1143.6	1222.3	1172.8	1132.1	1057.2	991.1	1020.3	1021.6	992.3
30°	1376.1	1374.8	1340.5	1338.0	1241.4	1191.8	1207.1	1165.2	1138.5	1160.1	1073.7
32.5°	1641.6	1649.3	1425.6	1407.8	1374.8	1368.5	1313.8	1285.9	1227.4	1231.2	1157.5
35°	1941.5	1944.0	1621.3	1508.2	1527.3	1462.5	1373.5	1350.7	1302.4	1348.1	1243.9
37.5°	2060.9	2058.4	1787.8	1618.8	1589.5	1500.6	1458.7	1438.3	1378.6	1364.6	1275.7
40°	2256.6	2257.9	1894.5	1668.3	1683.6	1570.5	1534.9	1468.8	1386.2	1392.6	1289.7
42.5°	2321.4	2321.4	1926.2	1679.8	1714.1	1614.9	1542.5	1471.4	1398.9	1386.2	1303.6
45°	2348.1	2349.4	1911.0	1688.6	1675.9	1606.1	1523.5	1459.9	1385.0	1368.5	1292.2
47.5°	2344.3	2343.0	1884.3	1686.1	1660.7	1576.8	1523.5	1453.6	1369.7	1348.1	1278.2
50°	2316.3	2318.9	1876.7	1672.1	1679.8	1565.4	1524.7	1446.0	1369.7	1338.0	1277.0
52.5°	2345.6	2351.9	1911.0	1678.5	1716.6	1606.1	1538.7	1461.2	1390.1	1345.6	1290.9
55°	2992.3	3038.0	2114.3	1787.8	1864.0	1734.4	1622.6	1543.8	1463.7	1414.2	1367.2
57.5°	4254.0	4257.8	2947.8	2259.2	2410.4	2191.8	1989.8	1922.4	1778.9	1714.1	1696.3
60°	4731.8	4748.3	3955.4	3245.1	3557.7	3218.5	2977.0	2847.4	2653.0	2463.7	2423.1
62.5°	5016.4	5027.8	4495.4	3903.3	4334.1	4111.7	3973.2	3956.7	3763.6	3603.5	3519.6
65°	5208.2	5209.5	4879.2	4330.3	4800.4	4602.2	4632.7	4794.0	4748.3	4722.9	4616.1
67.5°	4992.2	5001.1	5074.8	4667.0	5128.2	5003.7	5158.7	5341.7	5359.4	5373.4	5262.9
70°	3640.3	3660.6	4702.5	4529.7	5017.7	5011.3	5223.5	5496.7	5637.7	5686.0	5607.2
72.5°	2307.4	2289.6	3111.7	3327.7	3668.3	3978.3	4378.5	4811.8	5175.2	5264.2	5196.8
75°	1613.7	1608.6	1678.5	1714.1	1994.9	2072.4	2480.2	3124.4	3592.0	3850.0	3861.4
77.5°	1024.1	1024.1	1012.7	956.8	989.8	958.0	978.4	1120.7	1383.7	1885.6	1989.8
80°	846.2	847.5	752.2	692.5	729.3	721.7	686.1	670.9	653.1	644.2	692.5
82.5°	570.5	561.6	637.8	587.0	606.1	598.5	584.5	568.0	542.6	495.5	453.6
85°	419.3	412.9	390.1	350.7	372.3	368.5	360.9	343.1	330.4	291.0	266.8
87.5°	315.1	312.6	284.6	228.7	241.4	226.2	204.6	183.0	167.7	143.6	125.8
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4	222.4
2.5°	358.3	358.3	358.3	350.7	341.8	252.9	219.8	217.3	223.6	312.6	346.9
5°	293.5	288.4	287.2	287.2	289.7	341.8	214.7	219.8	310.0	217.3	216.0
7.5°	293.5	288.4	285.9	282.1	282.1	266.8	209.7	301.1	209.7	244.0	346.9
10°	421.8	409.1	406.6	411.7	401.5	385.0	306.2	320.2	292.2	345.6	346.9
12.5°	531.1	531.1	528.6	541.3	534.9	377.4	335.4	310.0	423.1	364.7	463.8
15°	571.8	529.8	538.7	536.2	524.8	547.6	414.2	391.3	401.5	424.4	447.3
17.5°	650.6	696.3	723.0	689.9	603.5	573.0	499.4	400.2	458.7	484.1	543.8
20°	700.1	693.8	712.8	683.6	646.7	658.2	598.5	581.9	499.4	480.3	499.4
22.5°	766.2	773.8	811.9	766.2	749.7	756.0	679.8	597.2	486.6	575.6	545.1
25°	850.0	878.0	898.3	875.5	813.2	893.2	759.8	706.5	527.3	510.8	554.0
27.5°	975.8	977.1	968.2	940.3	925.0	933.9	851.3	672.2	527.3	487.9	479.0
30°	1047.0	1058.4	1097.8	1031.7	1010.1	1015.2	862.7	726.8	532.4	426.9	451.1
32.5°	1188.0	1151.2	1128.3	1049.5	1095.3	1019.0	959.3	759.8	510.8	397.7	400.2
35°	1217.2	1207.1	1219.8	1108.0	1113.1	1108.0	930.1	773.8	472.7	348.1	316.4
37.5°	1279.5	1249.0	1230.0	1166.4	1184.2	1082.6	932.6	766.2	446.0	287.2	256.7
40°	1289.7	1293.5	1280.8	1176.6	1194.4	1052.1	912.3	752.2	416.8	232.5	236.3
42.5°	1317.6	1289.7	1266.8	1176.6	1196.9	1039.4	928.8	740.8	376.1	200.8	221.1
45°	1306.2	1279.5	1254.1	1174.0	1185.5	1041.9	946.6	730.6	334.2	188.1	221.1
47.5°	1292.2	1269.3	1237.6	1179.1	1184.2	1063.5	980.9	725.5	283.3	186.8	222.4
50°	1296.0	1270.6	1240.1	1195.6	1194.4	1081.3	1016.5	752.2	228.7	188.1	219.8
52.5°	1311.3	1283.3	1249.0	1214.7	1210.9	1160.1	1205.8	776.3	185.5	188.1	216.0
55°	1404.0	1372.3	1354.5	1364.6	1360.8	1508.2	1754.7	803.0	160.1	186.8	210.9
57.5°	1787.8	1766.2	1778.9	1855.1	1872.9	2115.6	2259.2	838.6	149.9	184.2	205.8
60°	2562.8	2580.6	2534.9	2604.8	2567.9	2555.2	2481.5	907.2	143.6	180.4	200.8
62.5°	3576.8	3517.1	3354.4	3340.4	3204.5	2803.0	2510.7	925.0	139.8	176.6	194.4
65°	4617.4	4379.8	4046.9	3919.8	3678.4	2928.8	2369.7	860.2	137.2	174.1	185.5
67.5°	5307.4	4997.3	4541.2	4273.1	3910.9	2801.7	1824.6	744.6	133.4	169.0	175.3
70°	5616.1	5221.0	4649.2	4217.2	3725.4	2134.6	965.7	611.2	127.1	161.4	170.3
72.5°	5180.3	4799.1	4107.9	3573.0	2898.3	1324.0	491.7	437.1	118.2	148.7	169.0
75°	3694.9	3271.8	2560.3	2082.5	1564.1	601.0	278.3	207.1	105.5	134.7	166.5
77.5°	1848.7	1482.8	1036.8	820.8	644.2	311.3	123.2	102.9	91.5	119.4	139.8
80°	655.6	606.1	552.7	526.0	453.6	166.5	86.4	82.6	80.0	99.1	101.6
82.5°	433.3	404.1	371.0	348.1	279.5	115.6	67.3	71.2	66.1	81.3	69.9
85°	249.0	236.3	210.9	185.5	151.2	87.7	57.2	61.0	45.7	62.3	44.5
87.5°	116.9	110.5	104.2	96.6	86.4	63.5	31.8	57.2	29.2	39.4	22.9
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)