

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: P157115

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157115
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231.5 lumens
Efficiency: N/A
Efficacy: 79.6 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

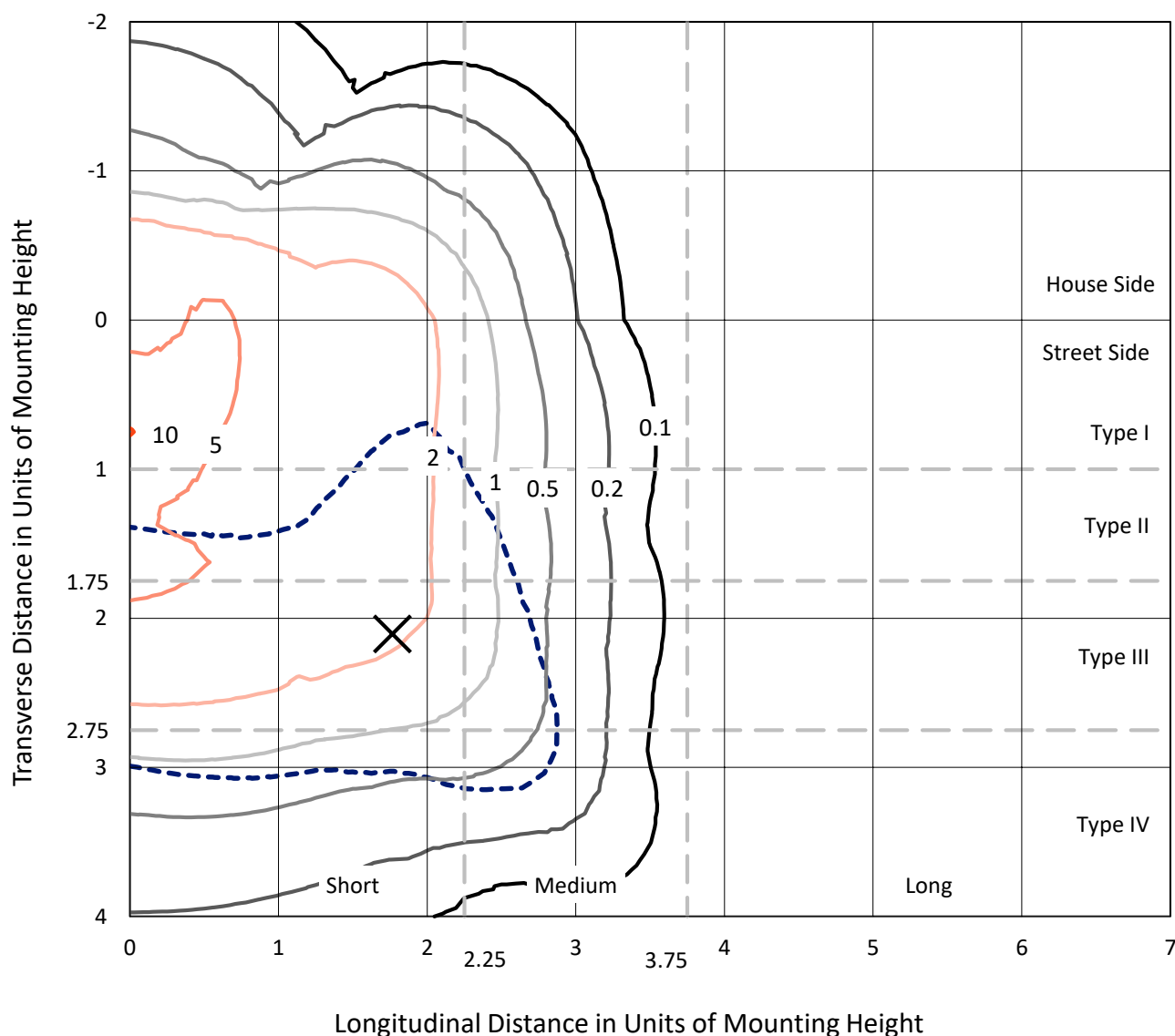


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

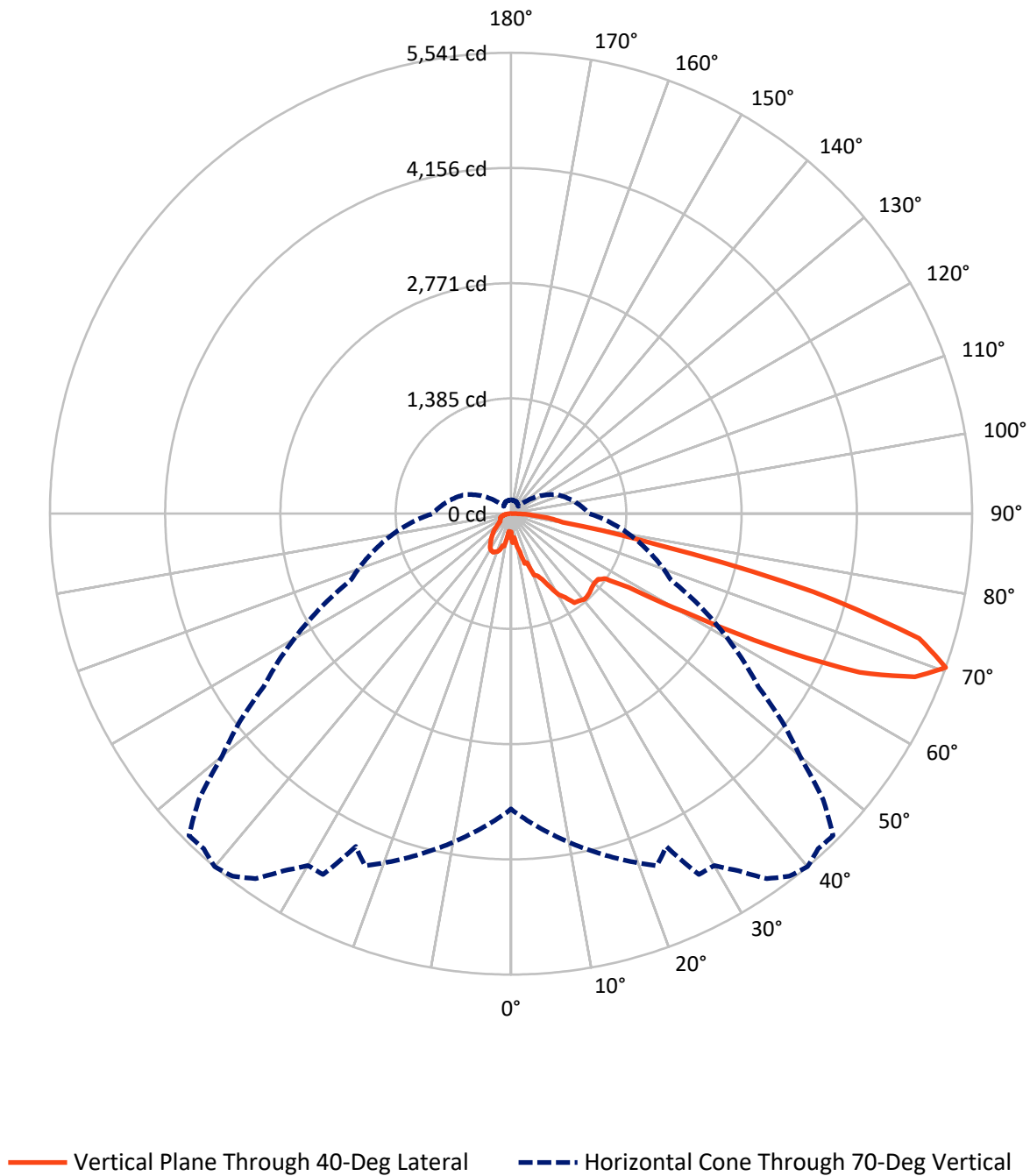


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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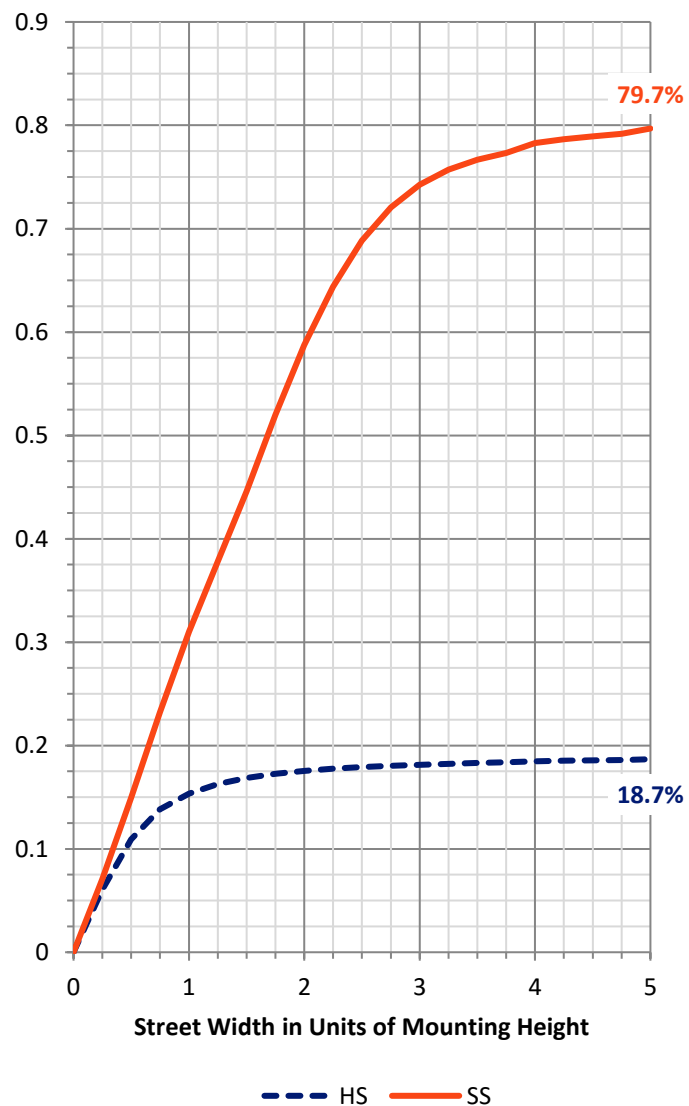
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1180.8	0.0	1180.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	5050.7	0.0	5050.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	6231.5	0.0	6231.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.4
10°-20°	138.9	2.2
20°-30°	341.0	5.5
30°-40°	570.7	9.2
40°-50°	722.1	11.6
50°-60°	1120.8	18.0
60°-70°	2106.4	33.8
70°-80°	1038.9	16.7
80°-90°	164.6	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°	6231.5	100.0
0°-180°	6231.5	100.0

Coefficient of Utilization



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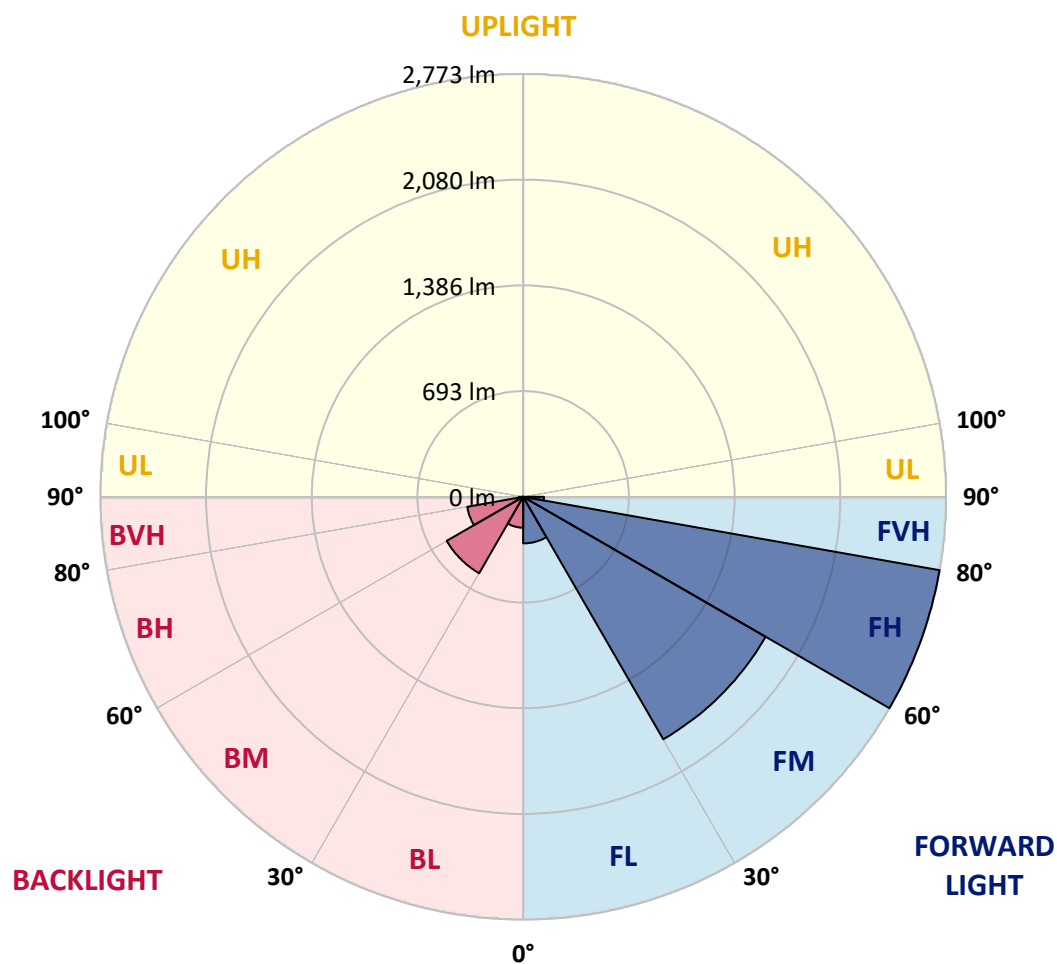
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.4	4.9			
FM	(30°-60°)	1835.7	29.5			
FH	(60°-80°)	2772.7	44.5			G2/5000
FVH	(80°-90°)	136.8	2.2			G2/225
BL	(0°-30°)	202.5	3.2	B1/500		
BM	(30°-60°)	577.9	9.3	B1/1000		
BH	(60°-80°)	372.6	6.0	B1/500		G1/500
BVH	(80°-90°)	27.8	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°	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7
2.5°	348.0	340.5	348.0	346.7	352.9	351.7	351.7	348.0	346.7	350.4	349.2
5°	292.2	293.5	287.3	281.1	284.8	284.8	284.8	282.3	281.1	286.0	289.8
7.5°	433.4	434.6	430.9	424.7	433.4	424.7	421.0	398.7	359.1	293.5	289.8
10°	438.4	437.1	428.4	423.5	424.7	424.7	422.3	418.5	402.4	403.7	411.1
12.5°	568.4	568.4	548.6	532.5	539.9	525.0	442.1	426.0	418.5	470.5	518.8
15°	606.8	575.8	557.2	532.5	541.1	547.3	631.5	637.7	651.3	621.6	616.7
17.5°	710.8	712.0	684.8	678.6	751.6	719.4	646.4	637.7	648.9	620.4	615.4
20°	839.6	837.1	752.9	866.8	773.9	769.0	750.4	743.0	772.7	787.6	705.8
22.5°	873.0	874.2	918.8	967.1	891.6	860.6	827.2	827.2	821.0	811.1	769.0
25°	1072.4	1074.8	952.2	1014.2	931.2	968.3	952.2	918.8	892.8	876.7	858.1
27.5°	1173.9	1157.8	1114.5	1191.2	1142.9	1103.3	1030.3	965.9	994.3	995.6	967.1
30°	1341.1	1339.8	1306.4	1303.9	1209.8	1161.5	1176.4	1135.5	1109.5	1130.6	1046.4
32.5°	1599.9	1607.3	1389.4	1372.0	1339.8	1333.6	1280.4	1253.1	1196.2	1199.9	1128.1
35°	1892.1	1894.6	1580.1	1469.8	1488.4	1425.3	1338.6	1316.3	1269.2	1313.8	1212.3
37.5°	2008.5	2006.0	1742.3	1577.6	1549.1	1462.4	1421.6	1401.7	1343.5	1329.9	1243.2
40°	2199.2	2200.4	1846.3	1625.9	1640.7	1530.5	1495.9	1431.5	1351.0	1357.2	1256.9
42.5°	2262.4	2262.4	1877.2	1637.0	1670.4	1573.9	1503.3	1433.9	1363.4	1351.0	1270.5
45°	2288.4	2289.6	1862.4	1645.7	1633.3	1565.2	1484.7	1422.8	1349.7	1333.6	1259.3
47.5°	2284.6	2283.4	1836.4	1643.2	1618.4	1536.7	1484.7	1416.6	1334.9	1313.8	1245.7
50°	2257.4	2259.9	1829.0	1629.6	1637.0	1525.6	1485.9	1409.2	1334.9	1303.9	1244.5
52.5°	2285.9	2292.1	1862.4	1635.8	1672.9	1565.2	1499.6	1424.0	1354.7	1311.3	1258.1
55°	2916.2	2960.7	2060.5	1742.3	1816.6	1690.3	1581.3	1504.5	1426.5	1378.2	1332.4
57.5°	4145.8	4149.5	2872.8	2201.7	2349.0	2136.0	1939.2	1873.5	1733.6	1670.4	1653.1
60°	4611.4	4627.5	3854.8	3162.6	3467.2	3136.6	2901.3	2775.0	2585.5	2401.0	2361.4
62.5°	4888.8	4899.9	4381.1	3804.0	4223.8	4007.1	3872.1	3856.0	3667.8	3511.8	3430.1
65°	5075.7	5077.0	4755.0	4220.1	4678.2	4485.1	4514.8	4672.1	4627.5	4602.7	4498.7
67.5°	4865.2	4873.9	4945.7	4548.2	4997.7	4876.4	5027.4	5205.8	5223.1	5236.7	5129.0
70°	3547.7	3567.5	4582.9	4414.5	4890.0	4883.8	5090.6	5356.8	5494.3	5541.3	5464.6
72.5°	2248.7	2231.4	3032.6	3243.1	3574.9	3877.1	4267.1	4689.4	5043.5	5130.2	5064.6
75°	1572.6	1567.7	1635.8	1670.4	1944.1	2019.6	2417.1	3044.9	3500.6	3752.0	3763.2
77.5°	998.1	998.1	986.9	932.4	964.6	933.7	953.5	1092.2	1348.5	1837.6	1939.2
80°	824.7	825.9	733.1	674.9	710.8	703.3	668.7	653.8	636.5	627.8	674.9
82.5°	556.0	547.3	621.6	572.1	590.7	583.2	569.6	553.5	528.7	482.9	442.1
85°	408.6	402.4	380.2	341.8	362.8	359.1	351.7	334.3	322.0	283.6	260.0
87.5°	307.1	304.6	277.4	222.9	235.3	220.4	199.4	178.3	163.5	139.9	122.6
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7	216.7
2.5°	349.2	349.2	349.2	341.8	333.1	246.4	214.2	211.7	217.9	304.6	338.1
5°	286.0	281.1	279.9	279.9	282.3	333.1	209.3	214.2	302.1	211.7	210.5
7.5°	286.0	281.1	278.6	274.9	274.9	260.0	204.3	293.5	204.3	237.8	338.1
10°	411.1	398.7	396.3	401.2	391.3	375.2	298.4	312.0	284.8	336.8	338.1
12.5°	517.6	517.6	515.1	527.5	521.3	367.8	326.9	302.1	412.3	355.4	452.0
15°	557.2	516.4	525.0	522.6	511.4	533.7	403.7	381.4	391.3	413.6	435.9
17.5°	634.0	678.6	704.6	672.4	588.2	558.5	486.6	390.1	447.0	471.8	530.0
20°	682.3	676.1	694.7	666.2	630.3	641.4	583.2	567.1	486.6	468.1	486.6
22.5°	746.7	754.1	791.3	746.7	730.6	736.8	662.5	582.0	474.3	560.9	531.2
25°	828.4	855.7	875.5	853.2	792.5	870.5	740.5	688.5	513.9	497.8	539.9
27.5°	951.0	952.2	943.6	916.3	901.5	910.1	829.7	655.1	513.9	475.5	466.8
30°	1020.3	1031.5	1069.9	1005.5	984.4	989.4	840.8	708.3	518.8	416.1	439.6
32.5°	1157.8	1121.9	1099.6	1022.8	1067.4	993.1	934.9	740.5	497.8	387.6	390.1
35°	1186.3	1176.4	1188.8	1079.8	1084.7	1079.8	906.4	754.1	460.6	339.3	308.3
37.5°	1247.0	1217.2	1198.7	1136.7	1154.1	1055.0	908.9	746.7	434.6	279.9	250.1
40°	1256.9	1260.6	1248.2	1146.7	1164.0	1025.3	889.1	733.1	406.2	226.6	230.3
42.5°	1284.1	1256.9	1234.6	1146.7	1166.5	1012.9	905.2	721.9	366.5	195.6	215.5
45°	1273.0	1247.0	1222.2	1144.2	1155.3	1015.4	922.5	712.0	325.7	183.3	215.5
47.5°	1259.3	1237.0	1206.1	1149.1	1154.1	1036.4	956.0	707.1	276.1	182.0	216.7
50°	1263.1	1238.3	1208.6	1165.2	1164.0	1053.8	990.6	733.1	222.9	183.3	214.2
52.5°	1277.9	1250.7	1217.2	1183.8	1180.1	1130.6	1175.1	756.6	180.8	183.3	210.5
55°	1368.3	1337.4	1320.0	1329.9	1326.2	1469.8	1710.1	782.6	156.0	182.0	205.6
57.5°	1742.3	1721.2	1733.6	1807.9	1825.2	2061.7	2201.7	817.3	146.1	179.6	200.6
60°	2497.6	2515.0	2470.4	2538.5	2502.6	2490.2	2418.4	884.1	139.9	175.8	195.6
62.5°	3485.8	3427.6	3269.1	3255.5	3123.0	2731.7	2446.9	901.5	136.2	172.1	189.5
65°	4499.9	4268.4	3943.9	3820.1	3584.8	2854.3	2309.4	838.3	133.7	169.6	180.8
67.5°	5172.3	4870.2	4425.6	4164.4	3811.4	2730.4	1778.2	725.6	130.0	164.7	170.9
70°	5473.2	5088.1	4530.9	4109.9	3630.7	2080.3	941.1	595.6	123.8	157.3	165.9
72.5°	5048.5	4677.0	4003.4	3482.1	2824.5	1290.3	479.2	426.0	115.2	144.9	164.7
75°	3600.9	3188.6	2495.1	2029.6	1524.3	585.7	271.2	201.8	102.8	131.3	162.2
77.5°	1801.7	1445.1	1010.4	799.9	627.8	303.4	120.1	100.3	89.2	116.4	136.2
80°	639.0	590.7	538.7	512.7	442.1	162.2	84.2	80.5	78.0	96.6	99.1
82.5°	422.3	393.8	361.6	339.3	272.4	112.7	65.6	69.3	64.4	79.3	68.1
85°	242.7	230.3	205.6	180.8	147.4	85.4	55.7	59.4	44.6	60.7	43.3
87.5°	113.9	107.7	101.5	94.1	84.2	61.9	31.0	55.7	28.5	38.4	22.3
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)