

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: P157026

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157026
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
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-RW-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6671.8 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B3 - U0 - G1

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



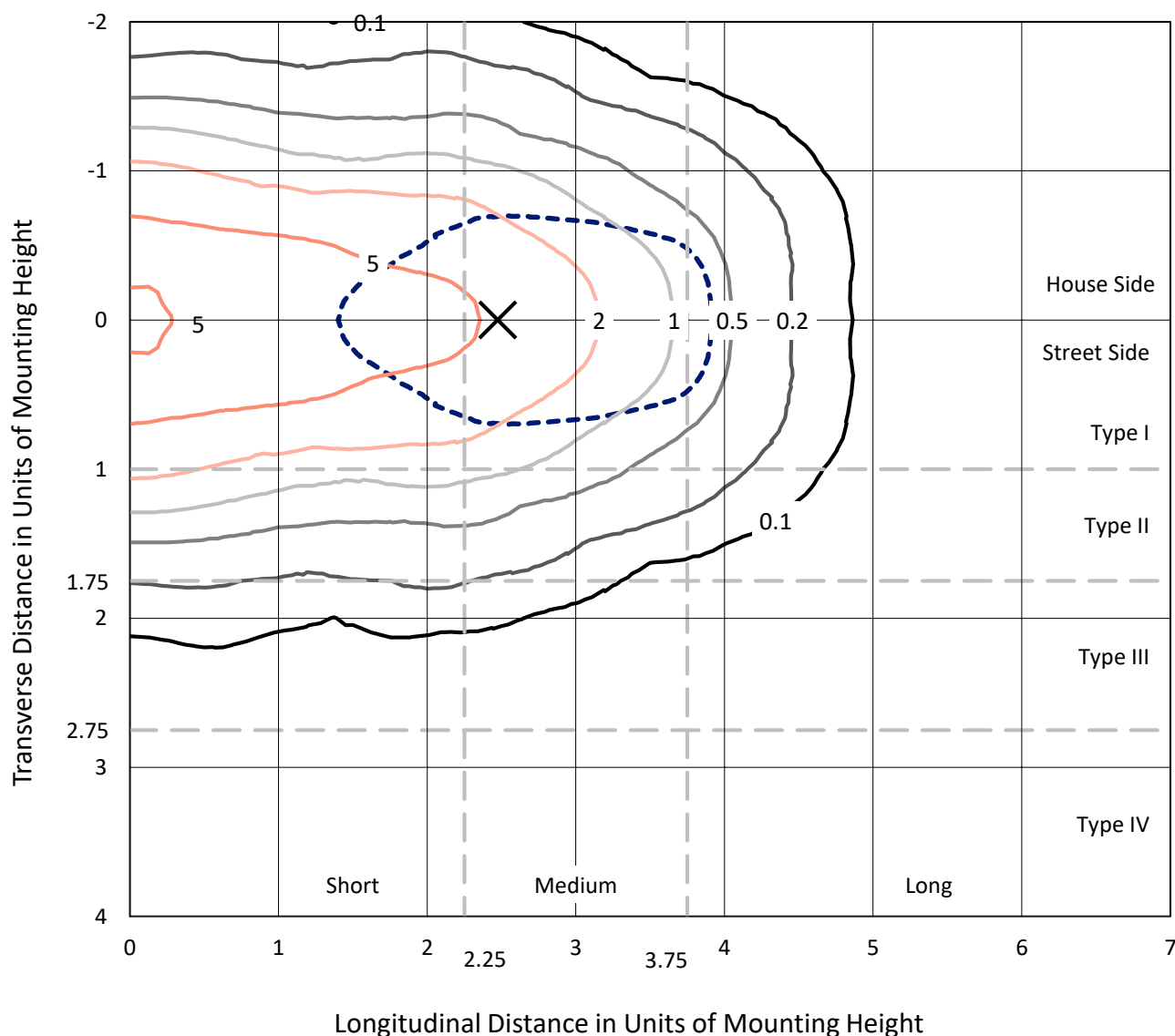
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

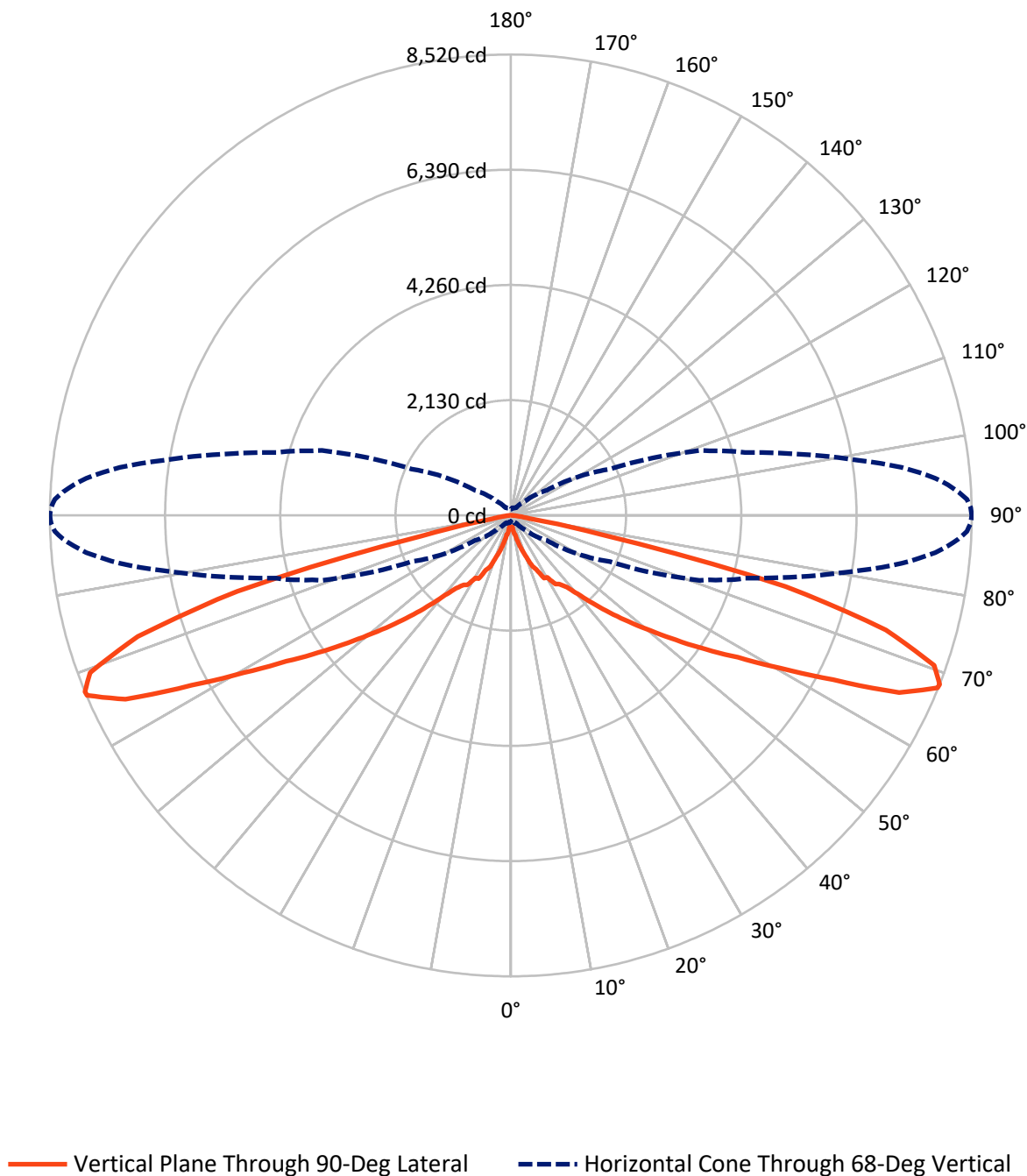


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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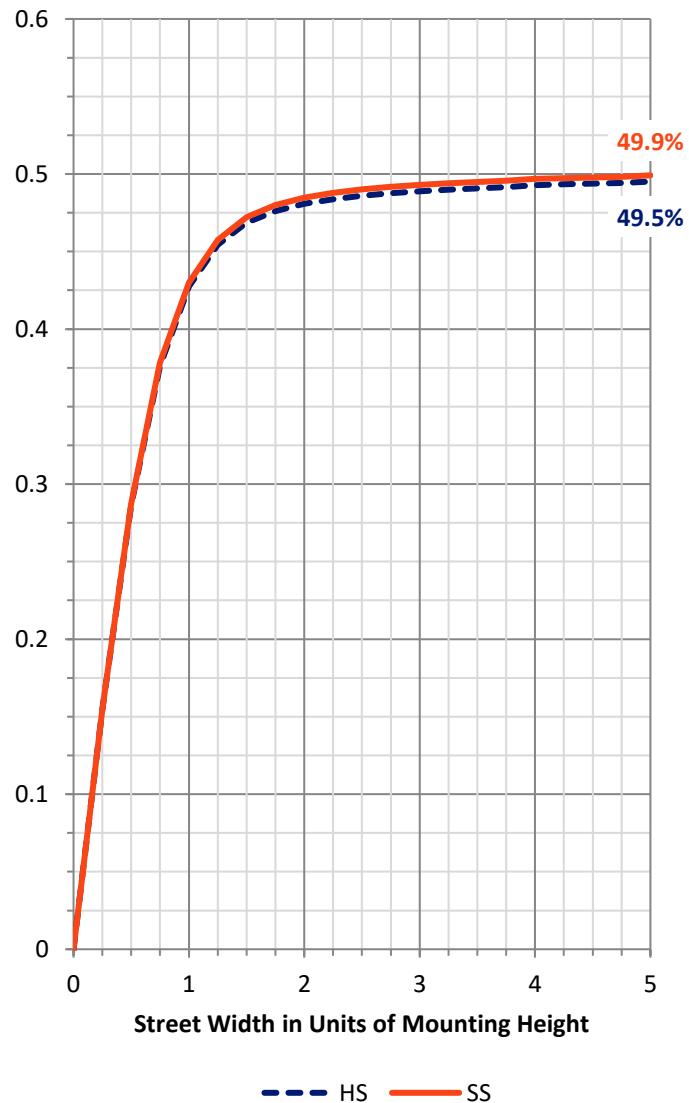
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3335.9	0.0	3335.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3335.9	0.0	3335.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6671.8	0.0	6671.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.4
10°-20°	174.7	2.6
20°-30°	477.5	7.2
30°-40°	785.9	11.8
40°-50°	1055.6	15.8
50°-60°	1326.1	19.9
60°-70°	1703.9	25.5
70°-80°	999.0	15.0
80°-90°	119.3	1.8
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°	6671.8	100.0
0°-180°	6671.8	100.0

Coefficient of Utilization



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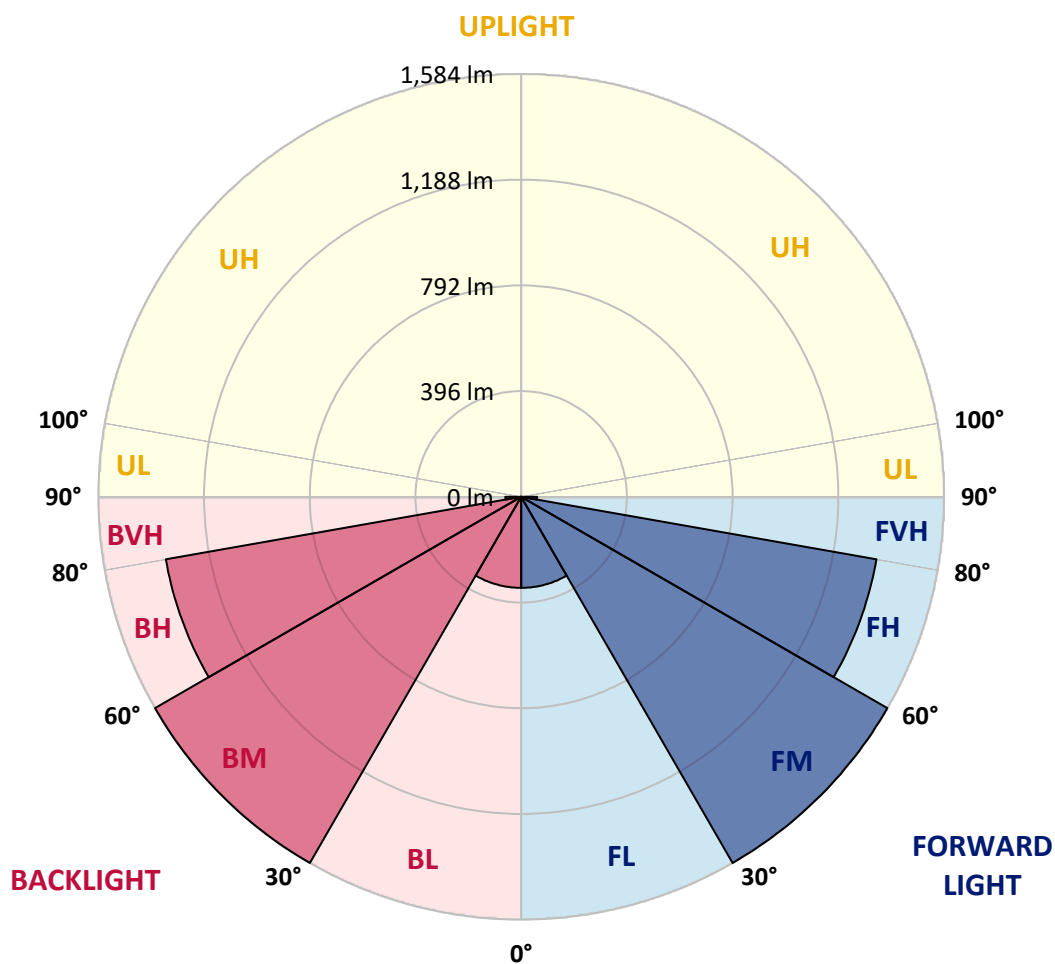
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.9	5.1			
FM	(30°-60°)	1583.8	23.7			
FH	(60°-80°)	1351.5	20.3			G1/1800
FVH	(80°-90°)	59.7	0.9			G1/100
BL	(0°-30°)	340.9	5.1	B1/500		
BM	(30°-60°)	1583.8	23.7	B2/2500		
BH	(60°-80°)	1351.5	20.3	B3/2500		G1/1800
BVH	(80°-90°)	59.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	279.5	283.4	270.0	279.5	283.4	287.2	288.4	268.8	265.6	262.4	259.2
5°	260.5	266.8	261.1	263.0	270.6	324.0	317.0	275.1	276.0	276.9	277.8
7.5°	385.6	392.6	372.3	342.4	334.8	276.4	257.3	310.6	303.4	296.2	288.9
10°	430.1	418.0	418.0	416.8	407.9	349.4	364.7	383.7	396.9	410.1	423.4
12.5°	562.2	563.6	544.4	493.0	469.5	540.0	496.8	416.8	414.2	411.7	409.1
15°	636.0	629.0	578.2	571.8	681.7	616.9	567.4	633.4	621.8	610.3	598.7
17.5°	714.1	716.7	711.6	653.8	712.2	702.0	730.0	693.8	682.7	671.6	660.6
20°	773.2	775.0	770.6	812.6	812.0	829.0	775.1	848.8	861.0	873.2	885.4
22.5°	819.6	824.0	822.7	874.2	925.0	894.5	1011.4	998.1	994.3	990.5	986.6
25°	893.8	894.5	857.0	901.5	984.1	1039.4	1098.4	1192.4	1202.9	1213.3	1223.7
27.5°	912.3	916.1	878.0	955.5	990.4	1140.4	1330.9	1303.6	1294.0	1284.3	1274.7
30°	906.0	914.2	937.1	975.8	1062.9	1198.8	1339.8	1440.9	1434.0	1427.2	1420.3
32.5°	926.9	933.2	911.0	954.9	1062.8	1229.3	1434.6	1484.1	1500.2	1516.4	1532.5
35°	897.7	904.0	895.2	937.8	1039.4	1187.4	1423.1	1642.9	1637.8	1632.7	1627.7
37.5°	881.2	880.6	878.0	920.6	1021.6	1176.0	1484.0	1682.9	1689.9	1696.9	1703.9
40°	838.6	844.4	843.0	881.8	975.8	1158.8	1463.1	1737.6	1762.3	1787.1	1811.9
42.5°	750.9	755.4	769.4	823.4	923.1	1118.8	1446.0	1815.7	1847.5	1879.2	1911.0
45°	669.7	670.2	689.3	742.7	845.6	1062.9	1447.9	1911.6	1945.4	1979.2	2013.0
47.5°	587.0	589.6	610.5	664.6	756.7	986.6	1440.2	2001.2	2045.2	2089.2	2133.1
50°	505.7	510.8	536.8	591.5	676.0	890.0	1404.0	2101.6	2156.4	2211.1	2265.9
52.5°	421.2	426.2	456.8	517.8	604.8	800.5	1322.7	2195.6	2267.5	2339.5	2411.4
55°	327.8	336.8	372.3	432.0	531.8	721.7	1195.6	2280.8	2372.4	2464.0	2555.6
57.5°	240.2	245.2	280.8	343.0	451.7	649.3	1057.2	2301.7	2417.7	2533.7	2649.7
60°	171.6	177.2	209.6	258.0	360.2	576.2	943.4	2246.4	2395.2	2544.0	2692.8
62.5°	141.0	145.4	174.0	198.2	275.8	497.4	864.6	2167.6	2363.0	2558.2	2753.5
65°	127.7	130.9	159.5	168.4	212.2	423.8	827.2	2143.6	2387.5	2631.4	2875.4
67.5°	116.9	122.0	148.0	152.4	180.4	383.0	814.4	2080.6	2350.0	2619.4	2888.8
68°	115.0	120.0	145.5	150.0	177.2	378.0	806.2	2026.0	2296.2	2566.5	2836.8
70°	108.6	113.1	136.0	140.4	172.8	353.2	716.0	1716.6	1968.7	2220.8	2472.9
72.5°	101.0	103.6	124.5	129.6	155.6	257.3	521.6	1154.4	1366.4	1578.5	1790.5
75°	88.3	92.8	112.4	119.4	120.0	155.0	329.8	676.6	817.4	958.2	1098.9
77.5°	76.2	80.6	97.8	118.8	99.1	108.0	211.6	402.2	465.7	529.2	592.8
80°	66.1	71.2	87.1	122.0	85.8	89.6	166.4	328.5	359.2	390.0	420.7
82.5°	50.8	56.6	76.2	110.6	71.2	72.4	134.7	312.5	335.7	358.8	381.9
85°	33.0	36.8	60.4	84.5	55.3	45.8	95.3	256.0	273.0	290.1	307.1
87.5°	15.8	24.2	41.9	43.8	33.6	24.8	52.7	155.6	168.5	181.3	194.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	256.0	252.8	251.6	246.5	242.0	238.9	235.7	232.6	228.7	225.5	225.5
5°	278.7	279.6	283.4	283.4	283.4	281.4	277.6	273.8	272.0	263.6	254.8
7.5°	281.7	274.5	259.8	258.0	263.0	270.0	271.9	274.4	276.4	275.1	273.8
10°	436.6	449.8	451.0	446.6	443.4	430.8	420.0	399.0	400.9	411.6	415.5
12.5°	406.6	404.0	412.4	435.2	460.0	463.2	465.6	462.5	452.3	434.6	416.8
15°	587.2	575.6	575.6	574.3	570.5	564.8	574.3	595.3	602.9	601.6	599.8
17.5°	649.6	638.5	630.9	604.8	588.3	582.6	578.1	581.3	587.0	611.2	628.3
20°	897.6	909.8	924.4	913.6	907.2	890.0	867.8	861.5	856.4	862.1	867.8
22.5°	982.8	979.0	986.0	950.4	1017.2	1003.8	1015.8	1038.7	1024.8	1014.6	1005.0
25°	1234.2	1244.6	1233.8	1229.9	1209.6	1194.4	1203.9	1200.1	1170.2	1153.1	1156.9
27.5°	1265.0	1255.4	1240.2	1233.2	1229.9	1254.1	1277.0	1242.1	1311.3	1294.2	1322.1
30°	1413.5	1406.6	1385.0	1379.9	1397.0	1386.9	1362.8	1364.6	1369.1	1368.4	1354.5
32.5°	1548.6	1564.8	1551.4	1587.6	1573.7	1544.4	1548.2	1567.3	1562.2	1540.6	1532.4
35°	1622.6	1617.5	1646.7	1649.2	1618.8	1616.8	1631.5	1629.6	1612.4	1615.6	1616.2
37.5°	1710.9	1717.8	1745.8	1717.2	1720.4	1737.6	1739.5	1721.0	1723.0	1730.6	1738.2
40°	1836.7	1861.4	1841.8	1838.6	1865.2	1894.5	1876.6	1878.0	1893.2	1912.2	1895.1
42.5°	1942.8	1974.6	1967.6	2001.2	2041.8	2058.4	2069.8	2101.0	2134.0	2122.6	2163.2
45°	2046.9	2080.6	2111.8	2175.9	2217.8	2231.2	2295.4	2343.6	2360.2	2388.1	2440.8
47.5°	2177.1	2221.0	2287.1	2355.7	2380.5	2449.8	2525.4	2570.4	2601.6	2686.7	2711.5
50°	2320.6	2375.4	2462.4	2520.2	2568.6	2656.2	2743.9	2785.2	2886.2	2946.0	2996.1
52.5°	2483.3	2555.2	2641.6	2679.7	2763.0	2882.4	2937.0	3011.4	3123.8	3197.5	3317.6
55°	2647.2	2738.8	2798.5	2866.5	2964.4	3069.8	3122.6	3263.6	3345.6	3468.8	3630.8
57.5°	2765.7	2881.8	2928.8	3040.6	3155.0	3215.3	3332.2	3459.8	3559.6	3761.0	3925.6
60°	2841.6	2990.4	3086.3	3215.9	3326.5	3404.6	3565.4	3685.4	3862.0	4089.5	4285.8
62.5°	2948.8	3144.2	3318.2	3492.9	3557.0	3717.2	3880.4	4024.7	4307.4	4558.3	4809.2
65°	3119.4	3363.3	3614.3	3802.3	3930.0	4142.2	4314.4	4550.7	4868.4	5186.0	5475.0
67.5°	3158.1	3427.5	3733.7	3904.0	4113.0	4332.8	4510.0	4825.2	5141.6	5477.0	5821.3
68°	3107.0	3377.3	3689.2	3861.4	4080.6	4301.0	4484.6	4796.6	5113.0	5446.4	5797.8
70°	2725.0	2977.0	3265.5	3475.2	3728.6	3902.0	4140.9	4432.5	4731.2	5079.9	5435.6
72.5°	2002.6	2214.6	2489.8	2695.6	2966.2	3113.6	3351.2	3602.2	3897.6	4242.0	4596.5
75°	1239.7	1380.5	1598.4	1783.3	1973.2	2114.3	2322.7	2551.4	2775.0	3048.2	3358.8
77.5°	656.3	719.8	848.1	939.6	1038.1	1104.2	1171.5	1305.6	1367.2	1440.9	1539.4
80°	451.4	482.2	526.0	550.8	539.4	493.6	430.8	409.2	389.5	362.8	338.0
82.5°	405.1	428.2	456.8	480.3	481.6	438.4	359.6	301.8	261.1	221.7	191.2
85°	324.1	341.2	359.6	378.6	397.1	369.8	312.6	245.2	189.4	151.8	130.2
87.5°	207.0	219.8	231.8	254.1	263.6	256.0	227.4	180.5	134.0	102.9	85.8
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5	213.5
2.5°	219.2	219.2	217.9	216.6	214.7	213.4	212.8	213.4	212.8	212.2	212.2
5°	247.8	239.6	231.9	227.4	222.4	219.8	222.4	217.3	215.4	214.1	214.7
7.5°	273.8	272.6	270.0	258.6	241.4	226.2	219.2	216.6	216.6	216.0	216.0
10°	416.8	413.0	406.6	399.6	393.9	376.8	356.4	348.8	343.7	343.0	341.8
12.5°	419.9	427.6	430.1	430.1	424.4	421.2	401.6	379.9	367.8	367.2	365.9
15°	584.4	558.4	564.2	573.0	571.8	571.2	572.4	546.4	529.2	526.7	526.0
17.5°	625.1	637.2	606.7	672.2	637.8	675.3	657.6	693.8	665.8	677.9	681.0
20°	885.0	881.8	877.4	864.6	862.8	873.6	885.0	875.5	848.1	833.5	824.6
22.5°	1011.4	1031.8	1040.6	1037.4	1025.4	1019.7	1017.8	1010.8	1007.0	1013.3	1019.0
25°	1163.9	1155.0	1165.2	1164.5	1153.7	1145.4	1158.8	1167.1	1165.8	1133.4	1110.5
27.5°	1318.2	1301.1	1297.9	1299.2	1310.6	1308.1	1311.2	1304.3	1292.2	1300.4	1311.3
30°	1340.5	1333.5	1343.0	1332.2	1336.1	1330.3	1320.8	1313.8	1343.0	1338.6	1327.8
32.5°	1529.2	1536.1	1515.2	1510.2	1509.5	1490.4	1491.7	1506.3	1499.3	1508.9	1510.8
35°	1618.8	1599.7	1594.0	1581.9	1563.5	1580.6	1574.3	1572.4	1571.1	1569.8	1561.6
37.5°	1722.3	1736.3	1719.8	1700.8	1721.0	1710.8	1703.9	1702.0	1698.8	1687.4	1684.8
40°	1909.7	1925.0	1911.6	1936.4	1932.0	1937.7	1925.0	1919.9	1907.2	1913.5	1908.5
42.5°	2168.3	2172.8	2211.5	2238.2	2236.9	2237.0	2229.3	2228.6	2203.2	2205.8	2217.2
45°	2449.7	2503.1	2536.8	2568.6	2580.0	2583.8	2569.8	2583.8	2564.1	2541.2	2562.8
47.5°	2765.5	2837.2	2882.4	2914.8	2930.7	2928.2	2941.5	2935.1	2925.6	2941.5	2936.4
50°	3113.6	3176.6	3243.2	3270.6	3279.4	3301.0	3325.2	3344.9	3353.8	3336.0	3348.1
52.5°	3428.2	3527.2	3604.8	3645.4	3684.8	3714.6	3756.6	3795.3	3810.0	3823.2	3824.5
55°	3767.4	3898.2	3986.6	4057.0	4122.5	4179.0	4242.6	4292.8	4333.5	4362.0	4365.8
57.5°	4089.5	4235.6	4350.5	4485.2	4565.3	4674.6	4757.2	4838.5	4914.8	4932.6	4946.5
60°	4494.8	4674.6	4862.0	4995.5	5154.9	5325.8	5437.6	5552.6	5597.6	5682.2	5729.2
62.5°	5052.6	5262.2	5525.9	5728.0	5949.0	6161.2	6351.8	6494.1	6562.7	6654.8	6688.5
65°	5787.0	6116.8	6390.5	6713.2	6989.0	7246.3	7473.1	7673.2	7769.8	7878.4	7890.5
67.5°	6165.0	6523.3	6907.0	7274.9	7572.2	7870.8	8090.0	8280.0	8430.5	8488.3	8509.3
68°	6150.4	6510.6	6910.8	7280.6	7585.6	7877.2	8098.2	8290.1	8435.6	8499.2	8519.5
70°	5839.7	6186.6	6648.5	7006.2	7322.6	7637.6	7848.0	8039.2	8164.3	8236.2	8302.2
72.5°	4952.9	5362.6	5766.7	6102.8	6442.7	6702.4	6862.6	7074.8	7136.4	7222.2	7248.8
75°	3646.6	4001.2	4285.8	4495.5	4739.4	4917.9	5059.0	5059.0	5140.2	5154.2	5245.1
77.5°	1681.6	1704.5	1750.2	1717.2	1746.4	1795.4	1735.6	1667.7	1711.5	1595.2	1698.8
80°	348.2	327.8	338.0	326.6	329.1	334.2	343.7	338.6	338.0	332.9	339.3
82.5°	174.1	172.2	172.8	173.4	173.4	173.4	174.1	174.0	175.4	172.8	172.8
85°	117.6	112.4	113.1	110.6	109.3	108.6	104.8	101.0	103.0	101.6	96.6
87.5°	76.2	70.5	68.0	64.8	61.6	59.1	55.9	52.1	47.7	46.3	44.5
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)