

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: P156998

Luminaire Tested: **UTLD-E01-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156998
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-E01-LED-E-U-RW-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2215.8 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

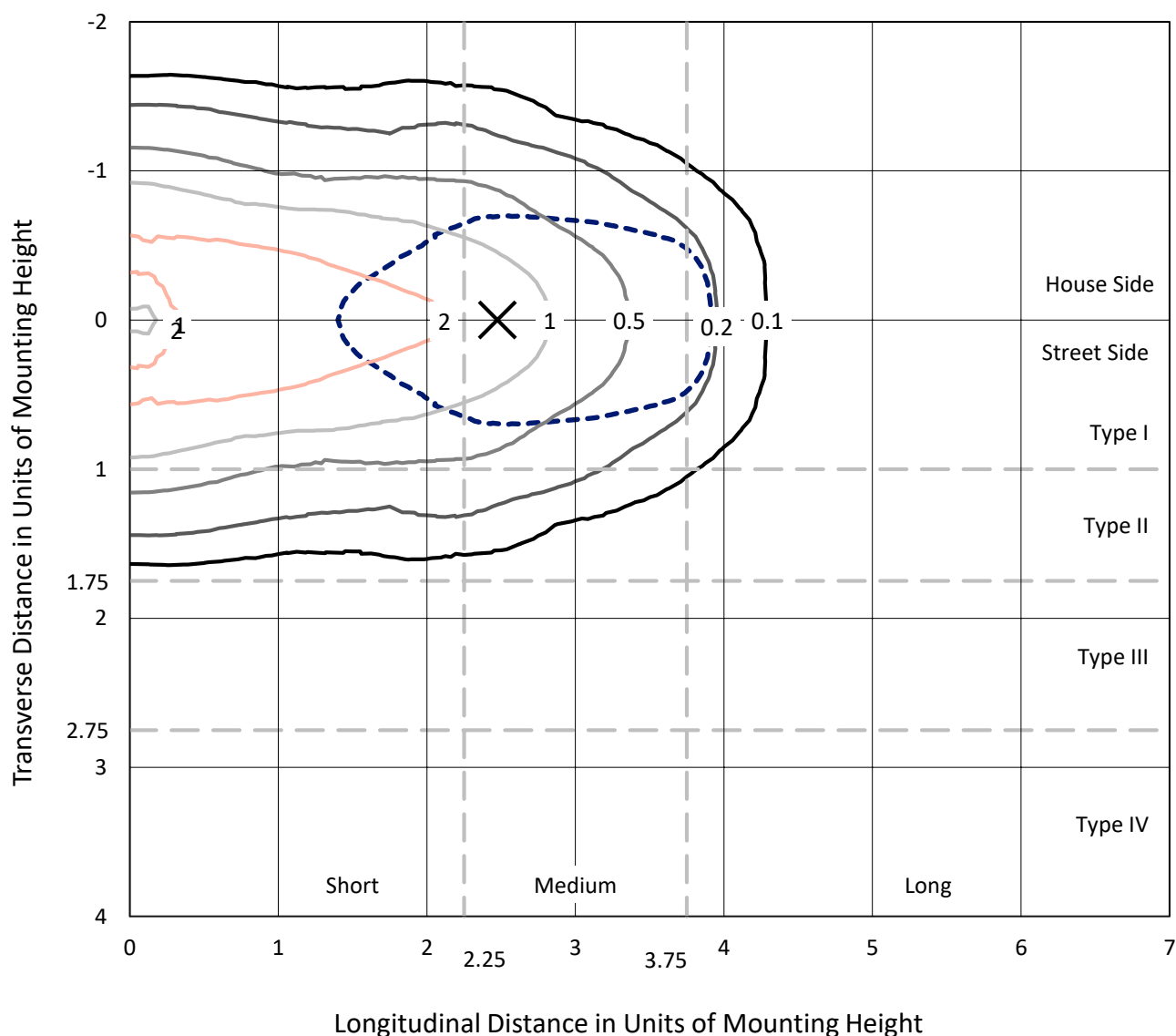


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

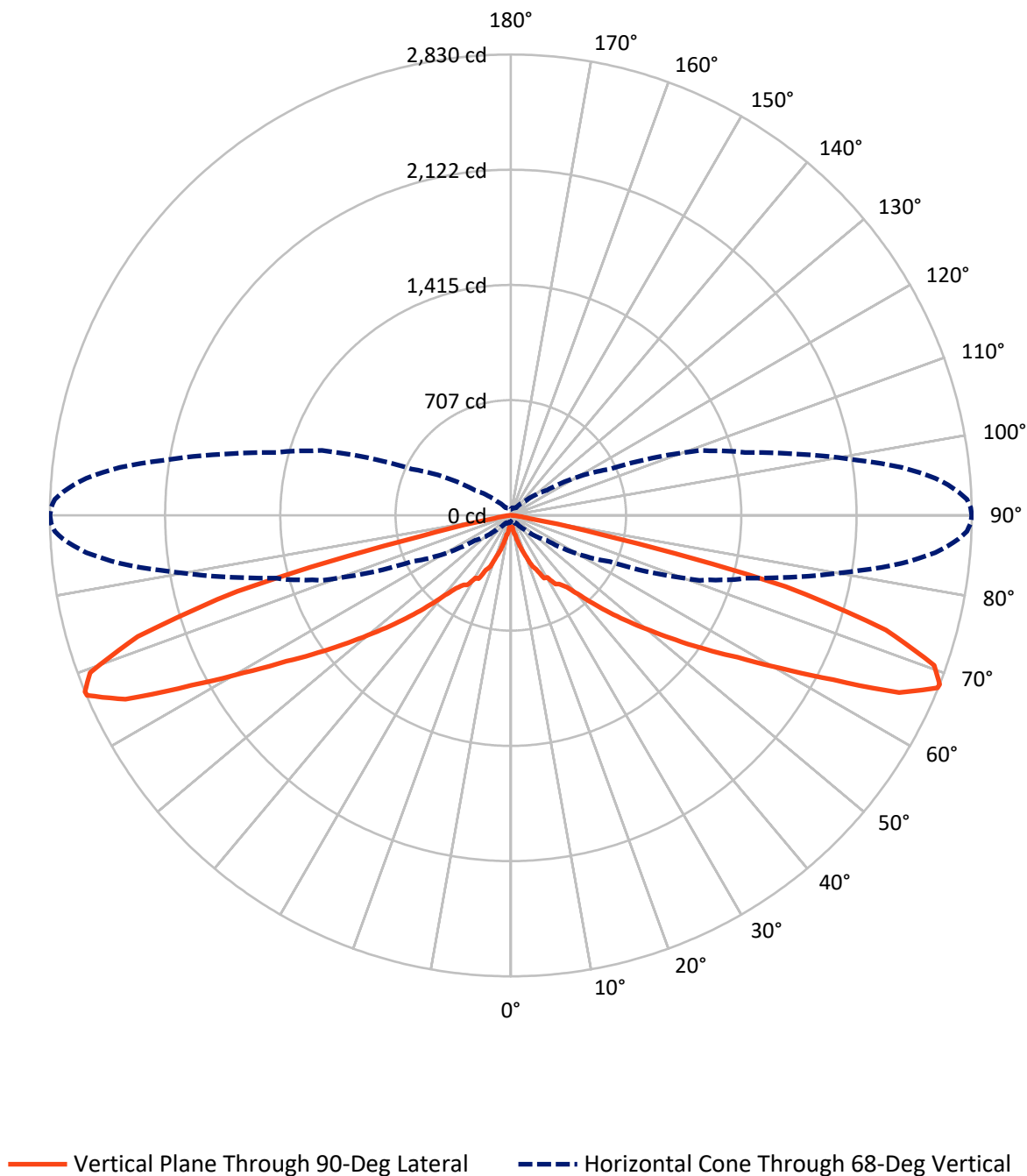


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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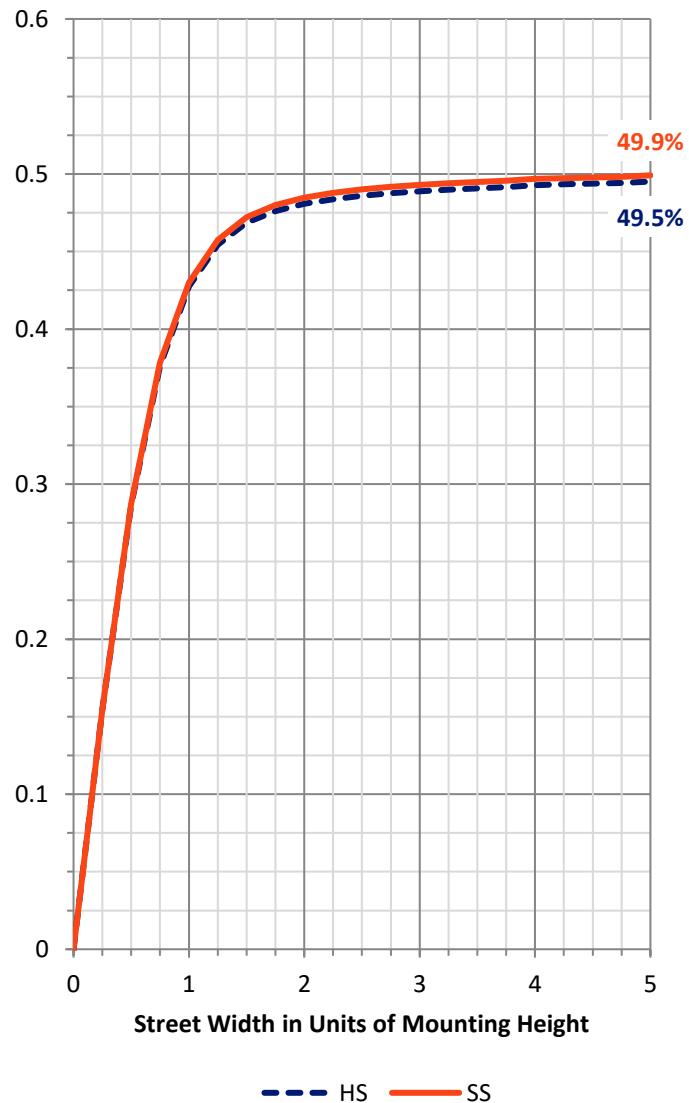
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.9	0.0	1107.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1107.9	0.0	1107.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2215.8	0.0	2215.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	58.0	2.6
20°-30°	158.6	7.2
30°-40°	261.0	11.8
40°-50°	350.6	15.8
50°-60°	440.4	19.9
60°-70°	565.9	25.5
70°-80°	331.8	15.0
80°-90°	39.6	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°	2215.8	100.0
0°-180°	2215.8	100.0

Coefficient of Utilization



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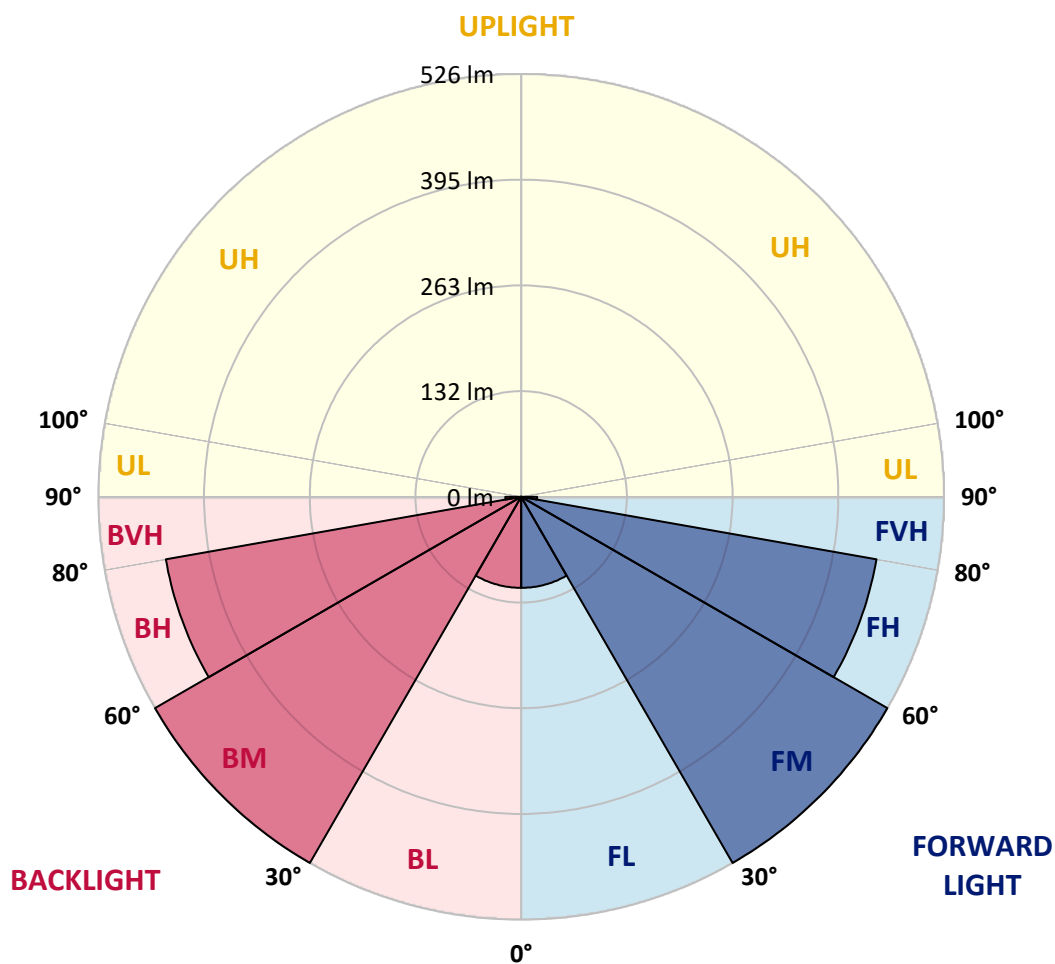
CATALOG NUMBER: UTLD-E01-LED-E-U-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.2	5.1			
FM	(30°-60°)	526.0	23.7			
FH	(60°-80°)	448.8	20.3			G0/660
FVH	(80°-90°)	19.8	0.9			G1/100
BL	(0°-30°)	113.2	5.1	B1/500		
BM	(30°-60°)	526.0	23.7	B1/1000		
BH	(60°-80°)	448.8	20.3	B1/500		G0/660
BVH	(80°-90°)	19.8	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2.5°	92.8	94.1	89.7	92.8	94.1	95.4	95.8	89.2	88.2	87.2	86.1
5°	86.5	88.6	86.8	87.4	89.9	107.6	105.3	91.4	91.6	91.9	92.2
7.5°	128.1	130.4	123.6	113.8	111.2	91.8	85.4	103.2	100.8	98.4	95.9
10°	142.8	138.9	138.8	138.4	135.4	116.0	121.1	127.4	131.8	136.2	140.6
12.5°	186.7	187.1	180.8	163.8	156.0	179.4	165.0	138.4	137.6	136.8	135.9
15°	211.2	208.8	192.0	189.9	226.4	204.8	188.4	210.4	206.5	202.7	198.8
17.5°	237.2	238.0	236.3	217.1	236.6	233.2	242.4	230.4	226.7	223.1	219.4
20°	256.8	257.4	255.9	269.8	269.6	275.4	257.4	281.9	286.0	290.0	294.0
22.5°	272.2	273.6	273.2	290.4	307.2	297.1	335.9	331.5	330.2	329.0	327.7
25°	296.8	297.1	284.6	299.4	326.8	345.2	364.8	396.0	399.5	403.0	406.4
27.5°	303.0	304.2	291.6	317.4	329.0	378.8	442.0	433.0	429.8	426.6	423.4
30°	300.9	303.6	311.2	324.1	353.0	398.2	445.0	478.6	476.3	474.0	471.7
32.5°	307.8	310.0	302.6	317.1	353.0	408.3	476.4	492.8	498.2	503.6	508.9
35°	298.2	300.2	297.3	311.4	345.2	394.4	472.6	545.6	544.0	542.3	540.6
37.5°	292.6	292.4	291.6	305.7	339.3	390.6	492.9	559.0	561.3	563.6	565.9
40°	278.5	280.4	280.0	292.8	324.1	384.8	485.9	577.1	585.3	593.6	601.8
42.5°	249.4	250.8	255.5	273.4	306.6	371.6	480.2	603.0	613.6	624.1	634.7
45°	222.4	222.6	229.0	246.6	280.8	353.0	480.9	634.9	646.1	657.3	668.6
47.5°	195.0	195.8	202.8	220.7	251.3	327.6	478.4	664.6	679.2	693.8	708.4
50°	168.0	169.6	178.3	196.4	224.5	295.6	466.3	698.0	716.2	734.4	752.5
52.5°	139.9	141.6	151.7	172.0	200.9	265.8	439.3	729.2	753.1	777.0	800.9
55°	108.8	111.8	123.6	143.5	176.6	239.7	397.1	757.5	787.9	818.3	848.8
57.5°	79.8	81.4	93.2	114.0	150.0	215.6	351.1	764.4	803.0	841.5	880.0
60°	57.0	58.9	69.6	85.6	119.6	191.4	313.4	746.0	795.5	844.9	894.3
62.5°	46.8	48.3	57.8	65.8	91.6	165.2	287.2	719.9	784.8	849.7	914.5
65°	42.4	43.5	53.0	55.9	70.4	140.8	274.7	711.9	792.9	873.9	955.0
67.5°	38.8	40.5	49.2	50.6	59.9	127.2	270.5	691.0	780.5	869.9	959.4
68°	38.2	39.9	48.4	49.8	58.9	125.6	267.8	672.9	762.7	852.4	942.2
70°	36.1	37.6	45.2	46.7	57.4	117.3	237.8	570.2	653.9	737.6	821.3
72.5°	33.6	34.4	41.4	43.0	51.7	85.4	173.2	383.4	453.8	524.2	594.6
75°	29.3	30.8	37.4	39.7	39.8	51.5	109.5	224.7	271.5	318.2	365.0
77.5°	25.3	26.8	32.5	39.4	32.9	35.8	70.3	133.6	154.7	175.8	196.9
80°	21.9	23.6	28.9	40.5	28.5	29.8	55.3	109.1	119.3	129.5	139.7
82.5°	16.9	18.8	25.3	36.7	23.6	24.0	44.7	103.8	111.5	119.2	126.8
85°	11.0	12.2	20.0	28.0	18.4	15.2	31.6	85.0	90.7	96.3	102.0
87.5°	5.3	8.0	13.9	14.6	11.2	8.2	17.5	51.7	56.0	60.2	64.5
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°	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2.5°	85.0	84.0	83.6	81.9	80.4	79.4	78.3	77.2	76.0	74.9	74.9
5°	92.5	92.8	94.1	94.1	94.1	93.4	92.2	91.0	90.3	87.6	84.6
7.5°	93.6	91.2	86.3	85.6	87.4	89.6	90.3	91.2	91.8	91.4	91.0
10°	145.0	149.4	149.9	148.4	147.3	143.1	139.4	132.6	133.2	136.7	138.0
12.5°	135.0	134.2	137.0	144.5	152.8	153.8	154.6	153.6	150.2	144.3	138.4
15°	195.0	191.2	191.2	190.8	189.5	187.6	190.7	197.7	200.2	199.8	199.2
17.5°	215.7	212.0	209.5	200.8	195.4	193.5	192.0	193.0	195.0	203.0	208.7
20°	298.1	302.2	307.0	303.4	301.3	295.6	288.2	286.1	284.4	286.3	288.2
22.5°	326.4	325.2	327.5	315.6	337.8	333.4	337.4	345.0	340.4	337.0	333.8
25°	409.8	413.3	409.8	408.5	401.8	396.6	399.8	398.6	388.6	383.0	384.2
27.5°	420.2	417.0	411.9	409.5	408.5	416.5	424.1	412.5	435.5	429.8	439.1
30°	469.4	467.2	460.0	458.3	464.0	460.6	452.6	453.2	454.7	454.4	449.8
32.5°	514.3	519.6	515.2	527.3	522.7	512.9	514.2	520.5	518.8	511.7	508.9
35°	538.9	537.2	546.9	547.8	537.6	537.0	541.8	541.2	535.6	536.6	536.8
37.5°	568.2	570.5	579.8	570.4	571.4	577.1	577.8	571.6	572.2	574.8	577.2
40°	610.0	618.2	611.7	610.6	619.5	629.2	623.3	623.7	628.8	635.1	629.4
42.5°	645.2	655.8	653.4	664.6	678.2	683.6	687.4	697.8	708.8	704.9	718.4
45°	679.8	691.0	701.4	722.7	736.6	741.0	762.3	778.3	783.9	793.2	810.7
47.5°	723.0	737.7	759.6	782.4	790.6	813.6	838.7	853.7	864.0	892.3	900.6
50°	770.7	788.9	817.8	837.0	853.0	882.2	911.3	925.0	958.6	978.4	995.0
52.5°	824.8	848.6	877.3	890.0	917.6	957.3	975.4	1000.2	1037.5	1061.9	1101.8
55°	879.2	909.6	929.4	952.0	984.5	1019.5	1037.1	1083.9	1111.2	1152.0	1205.8
57.5°	918.5	957.0	972.7	1009.8	1047.8	1067.8	1106.7	1149.0	1182.2	1249.1	1303.8
60°	943.7	993.2	1025.1	1068.0	1104.8	1130.8	1184.1	1224.0	1282.6	1358.2	1423.4
62.5°	979.4	1044.2	1102.0	1160.0	1181.4	1234.6	1288.8	1336.7	1430.6	1513.9	1597.2
65°	1036.0	1117.0	1200.4	1262.8	1305.2	1375.7	1432.9	1511.4	1616.9	1722.4	1818.4
67.5°	1048.9	1138.4	1240.0	1296.6	1366.0	1439.0	1497.9	1602.5	1707.6	1819.0	1933.4
68°	1031.9	1121.6	1225.2	1282.4	1355.2	1428.4	1489.4	1593.0	1698.2	1808.9	1925.6
70°	905.0	988.7	1084.5	1154.2	1238.4	1296.0	1375.3	1472.2	1571.3	1687.1	1805.3
72.5°	665.1	735.5	826.9	895.2	985.2	1034.1	1113.0	1196.4	1294.4	1408.8	1526.6
75°	411.7	458.5	530.8	592.2	655.3	702.2	771.4	847.4	921.6	1012.4	1115.5
77.5°	218.0	239.1	281.7	312.0	344.8	366.7	389.1	433.6	454.1	478.6	511.2
80°	149.9	160.1	174.7	183.0	179.2	164.0	143.0	135.8	129.4	120.4	112.2
82.5°	134.5	142.2	151.8	159.5	160.0	145.6	119.4	100.2	86.7	73.6	63.5
85°	107.6	113.3	119.5	125.8	131.8	122.8	103.8	81.4	62.8	50.4	43.2
87.5°	68.8	73.0	77.0	84.4	87.6	85.1	75.6	60.0	44.5	34.2	28.4
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°	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2.5°	72.8	72.8	72.4	71.9	71.4	70.9	70.7	70.9	70.7	70.5	70.5
5°	82.3	79.6	77.0	75.6	73.8	73.0	73.8	72.2	71.6	71.1	71.3
7.5°	91.0	90.5	89.6	85.8	80.2	75.1	72.8	72.0	71.9	71.8	71.7
10°	138.4	137.1	135.0	132.7	130.9	125.2	118.4	115.8	114.2	114.0	113.5
12.5°	139.4	142.0	142.8	142.8	141.0	139.9	133.4	126.2	122.2	122.0	121.5
15°	194.1	185.5	187.4	190.3	189.9	189.6	190.1	181.4	175.8	174.9	174.7
17.5°	207.6	211.6	201.5	223.2	211.8	224.3	218.4	230.4	221.2	225.2	226.2
20°	294.0	292.8	291.4	287.2	286.5	290.1	294.0	290.8	281.6	276.8	273.9
22.5°	335.9	342.6	345.7	344.6	340.5	338.6	338.0	335.7	334.4	336.5	338.4
25°	386.5	383.6	387.0	386.8	383.2	380.4	384.8	387.6	387.2	376.4	368.8
27.5°	437.8	432.2	431.1	431.5	435.2	434.4	435.5	433.2	429.2	431.9	435.5
30°	445.2	442.9	446.0	442.4	443.8	441.8	438.6	436.4	446.0	444.6	441.0
32.5°	507.9	510.2	503.2	501.6	501.4	495.0	495.4	500.2	498.0	501.1	501.8
35°	537.6	531.3	529.4	525.4	519.2	525.0	522.9	522.2	521.8	521.3	518.6
37.5°	572.0	576.6	571.2	564.8	571.6	568.2	565.9	565.2	564.2	560.4	559.6
40°	634.3	639.3	634.9	643.1	641.7	643.6	639.3	637.6	633.4	635.6	633.8
42.5°	720.2	721.6	734.5	743.3	742.9	742.9	740.4	740.2	731.8	732.6	736.4
45°	813.6	831.4	842.5	853.1	856.8	858.2	853.4	858.2	851.6	844.0	851.2
47.5°	918.4	942.4	957.3	968.0	973.4	972.5	977.0	974.8	971.6	976.9	975.2
50°	1034.1	1055.0	1077.2	1086.2	1089.2	1096.4	1104.4	1110.9	1113.8	1108.0	1112.0
52.5°	1138.6	1171.4	1197.2	1210.7	1223.8	1233.7	1247.6	1260.5	1265.4	1269.8	1270.2
55°	1251.2	1294.6	1324.0	1347.4	1369.2	1388.0	1409.0	1425.7	1439.2	1448.7	1450.0
57.5°	1358.2	1406.8	1444.9	1489.6	1516.2	1552.6	1580.0	1606.9	1632.2	1638.2	1642.8
60°	1492.8	1552.5	1614.8	1659.1	1712.0	1768.8	1806.0	1844.1	1859.1	1887.2	1902.8
62.5°	1678.1	1747.6	1835.2	1902.4	1975.8	2046.2	2109.6	2156.8	2179.6	2210.2	2221.4
65°	1922.0	2031.5	2122.4	2229.6	2321.2	2406.6	2482.0	2548.4	2580.5	2616.6	2620.6
67.5°	2047.5	2166.5	2294.0	2416.2	2514.9	2614.0	2686.9	2750.0	2800.0	2819.1	2826.1
68°	2042.6	2162.3	2295.2	2418.0	2519.3	2616.1	2689.6	2753.3	2801.6	2822.7	2829.5
70°	1939.5	2054.7	2208.1	2326.9	2432.0	2536.6	2606.4	2670.0	2711.5	2735.4	2757.3
72.5°	1645.0	1781.0	1915.2	2026.8	2139.8	2226.0	2279.2	2349.6	2370.2	2398.6	2407.5
75°	1211.1	1328.9	1423.4	1493.0	1574.0	1633.3	1680.2	1680.2	1707.2	1711.8	1742.0
77.5°	558.6	566.1	581.3	570.4	580.0	596.3	576.4	553.8	568.4	529.8	564.2
80°	115.6	108.8	112.2	108.4	109.3	111.0	114.2	112.4	112.2	110.6	112.7
82.5°	57.8	57.2	57.4	57.6	57.6	57.6	57.8	57.8	58.2	57.4	57.4
85°	39.0	37.3	37.6	36.7	36.3	36.0	34.8	33.6	34.2	33.8	32.1
87.5°	25.3	23.4	22.6	21.6	20.4	19.6	18.6	17.3	15.8	15.4	14.8
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)