

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: P179375

Luminaire Tested: **UTLD-F03-LED-E-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179375
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
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-T3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531.2 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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



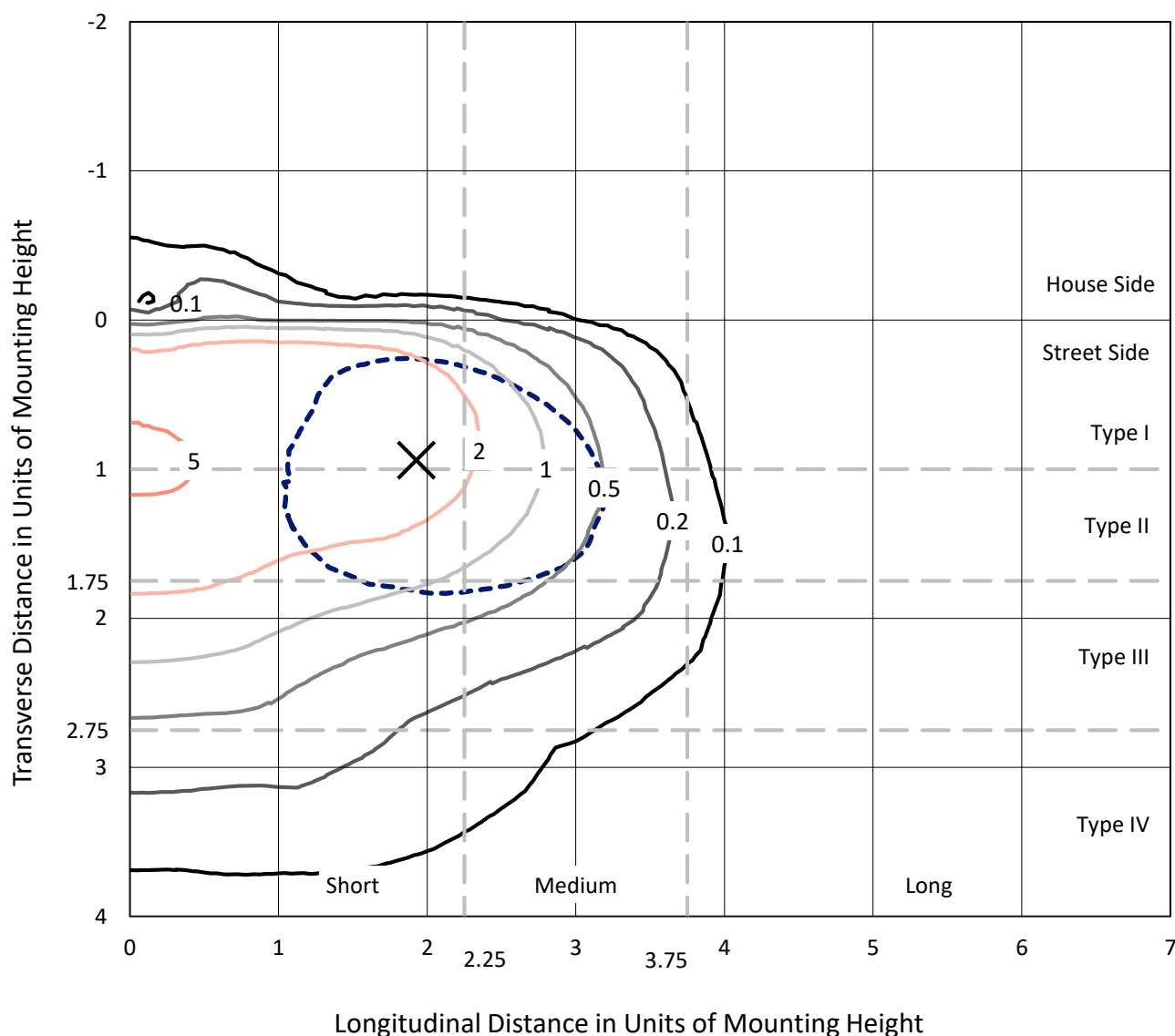
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

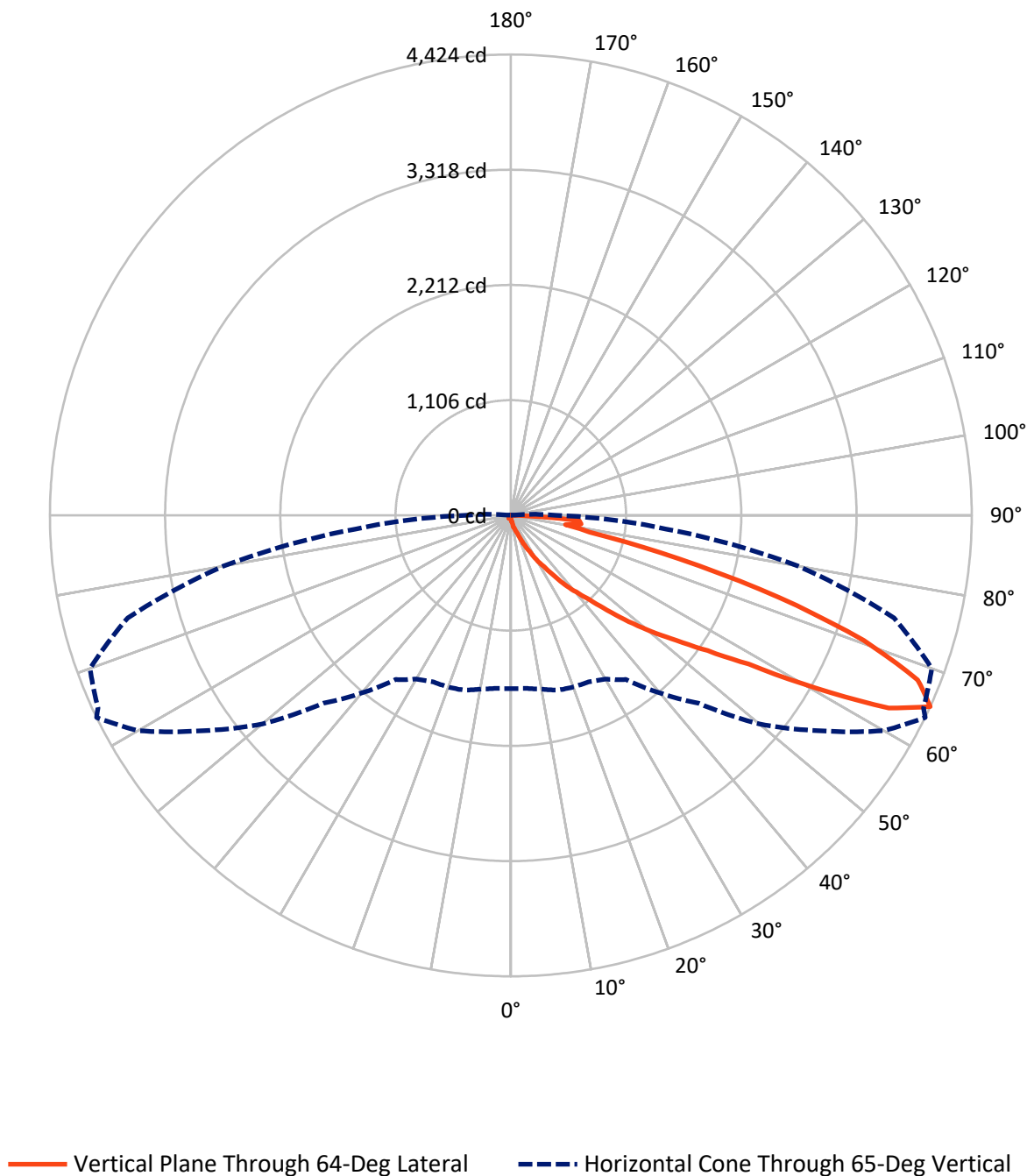


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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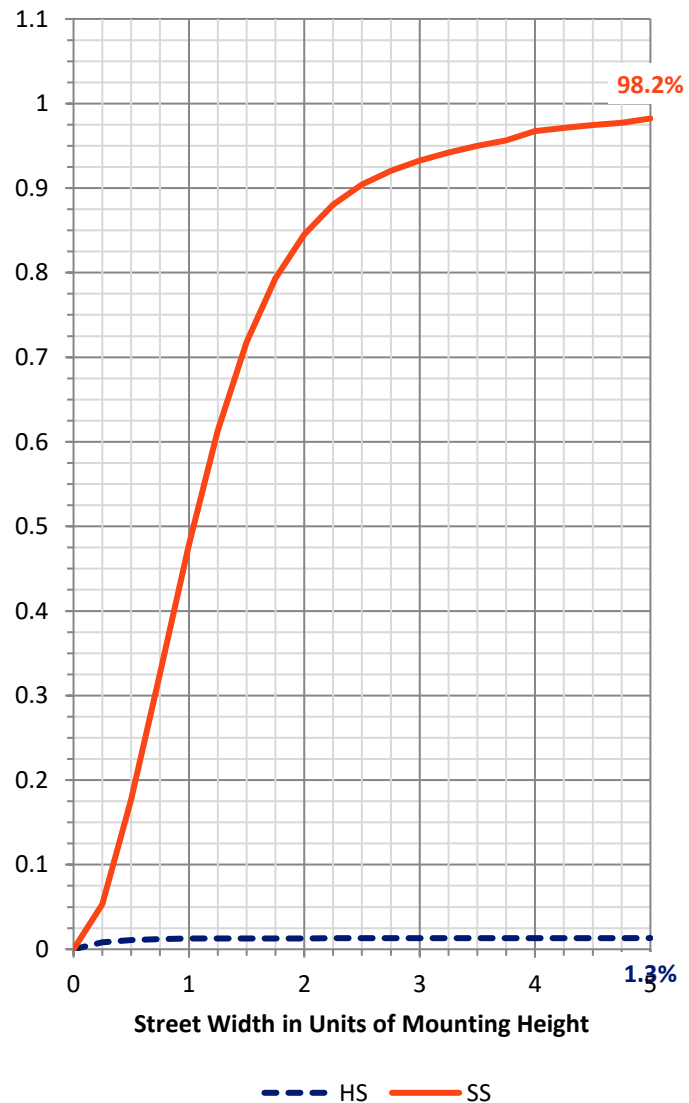
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.0	0.0	48.0
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	3483.2	0.0	3483.2
	% Fixture	98.6	0.0	98.6
Total	Lumens	3531.2	0.0	3531.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	30.5	0.9
20°-30°	95.8	2.7
30°-40°	232.4	6.6
40°-50°	492.7	14.0
50°-60°	887.3	25.1
60°-70°	1188.1	33.6
70°-80°	513.6	14.5
80°-90°	86.2	2.4
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°	3531.2	100.0
0°-180°	3531.2	100.0

Coefficient of Utilization



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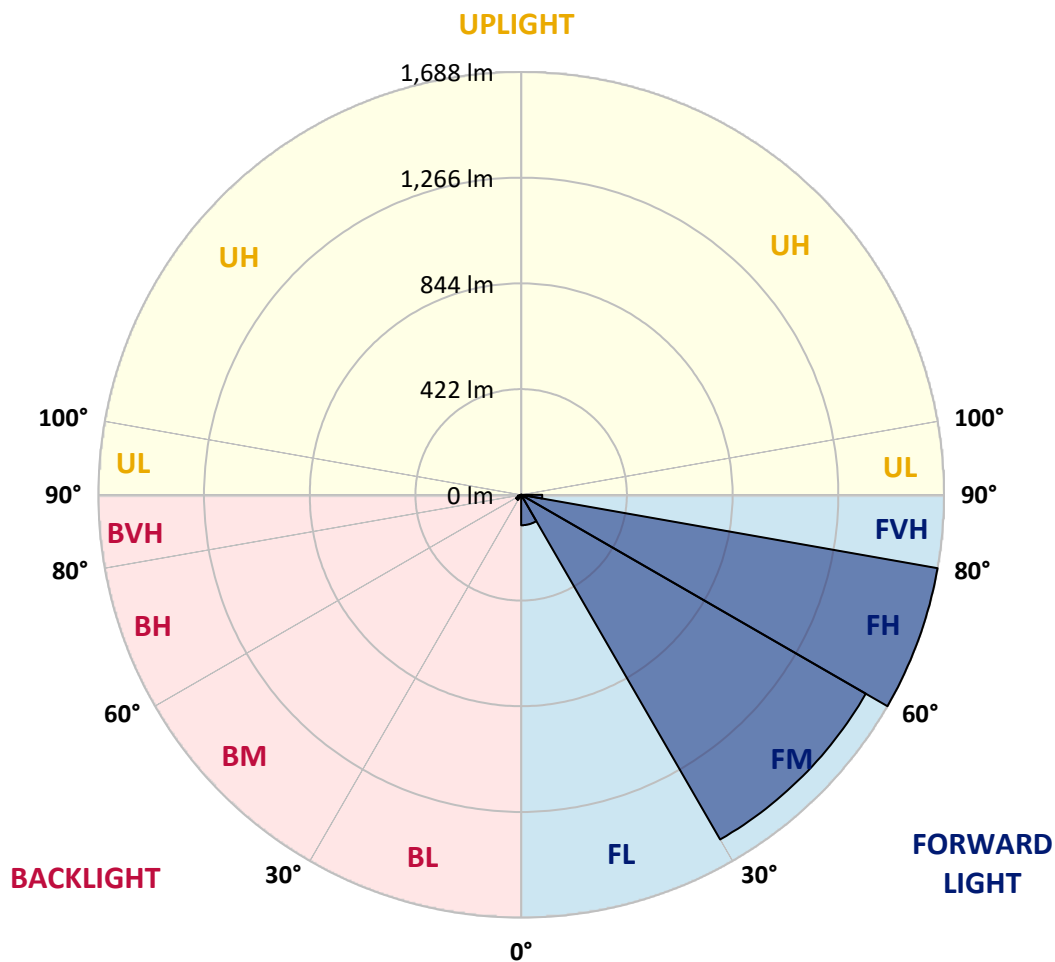
CATALOG NUMBER: UTLD-F03-LED-E-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.5	3.4			
FM	(30°-60°)	1589.1	45.0			
FH	(60°-80°)	1688.5	47.8			G1/1800
FVH	(80°-90°)	84.2	2.4			G1/100
BL	(0°-30°)	9.3	0.3	B0/110		
BM	(30°-60°)	23.5	0.7	B0/220		
BH	(60°-80°)	13.3	0.4	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	50.8	50.8	49.5	50.8	49.5	48.3	48.3	47.1	47.1	45.8	45.8
5°	74.3	74.3	73.1	70.6	68.1	66.9	65.6	61.9	60.7	59.4	57.0
7.5°	132.5	132.5	130.0	127.5	126.3	123.8	121.4	116.4	111.4	83.0	71.8
10°	169.6	167.2	164.7	159.7	158.5	152.3	146.1	142.4	137.4	125.1	116.4
12.5°	237.8	236.5	234.0	235.3	227.8	222.9	213.0	204.3	163.5	153.5	149.8
15°	313.3	293.5	274.9	257.6	252.6	247.7	232.8	234.0	243.9	222.9	174.6
17.5°	320.7	322.0	319.5	319.5	312.0	308.3	317.0	274.9	267.5	248.9	235.3
20°	403.7	404.9	402.4	376.4	340.5	328.1	346.7	334.3	334.3	304.6	286.0
22.5°	422.3	426.0	422.3	421.0	412.3	433.4	419.8	362.8	383.9	357.9	344.2
25°	512.7	515.1	513.9	502.7	518.8	455.7	445.8	473.0	447.0	416.1	429.7
27.5°	609.2	606.8	551.0	532.5	539.9	532.5	560.9	515.1	538.7	508.9	487.9
30°	655.1	658.8	653.8	632.8	632.8	652.6	601.8	620.4	603.0	558.5	632.8
32.5°	787.6	792.5	777.6	773.9	717.0	697.2	679.8	698.4	655.1	687.2	705.8
35°	943.6	946.1	923.8	828.4	827.2	803.6	799.9	756.6	778.9	754.1	823.5
37.5°	1073.6	1067.4	1031.5	985.7	988.2	939.9	889.1	892.8	856.9	859.4	925.0
40°	1245.7	1243.2	1217.2	1180.1	1125.6	1064.9	1034.0	1019.1	990.6	970.8	1032.7
42.5°	1405.5	1421.6	1410.4	1362.1	1281.6	1254.4	1180.1	1150.4	1141.7	1109.5	1160.3
45°	1603.6	1602.3	1601.1	1552.8	1500.8	1443.8	1333.6	1317.5	1302.7	1299.0	1354.7
47.5°	1752.2	1753.4	1758.4	1726.2	1690.3	1609.8	1500.8	1497.1	1505.8	1497.1	1567.7
50°	1852.5	1863.6	1882.2	1874.8	1826.5	1772.0	1703.9	1691.5	1702.6	1697.7	1810.4
52.5°	1919.3	1933.0	1955.3	1968.9	1916.9	1893.3	1864.9	1848.8	1902.0	1903.2	2032.0
55°	1945.3	1960.2	1982.5	2009.7	1970.1	1975.1	1963.9	1961.4	2046.9	2066.7	2236.3
57.5°	1924.3	1937.9	1962.7	1996.1	1985.0	2025.8	2002.3	2013.5	2146.0	2198.0	2417.1
60°	1868.6	1881.0	1908.2	1963.9	1949.1	1997.4	1986.2	2039.5	2211.6	2326.7	2626.4
62.5°	1775.7	1790.6	1820.3	1873.5	1881.0	1923.1	1934.2	2024.6	2256.2	2456.8	2906.3
65°	1661.8	1665.5	1692.7	1736.1	1753.4	1762.1	1812.9	1923.1	2222.7	2548.4	3115.5
67.5°	1489.7	1498.3	1515.7	1541.7	1555.3	1509.5	1551.6	1665.5	1966.4	2356.5	2960.7
70°	1056.3	1055.0	1093.4	1204.9	1238.3	1135.5	1133.0	1203.6	1450.0	1822.8	2368.8
72.5°	720.7	729.4	746.7	781.4	887.9	855.7	844.5	807.4	903.9	1110.7	1565.2
75°	548.6	552.3	624.1	682.3	754.1	787.6	808.6	764.0	728.1	695.9	896.5
77.5°	187.0	203.1	237.8	325.7	508.9	620.4	689.7	754.1	797.5	764.0	740.5
80°	40.9	42.1	47.1	63.2	178.3	320.7	402.4	513.9	640.2	712.0	773.9
82.5°	17.3	18.6	22.3	27.2	42.1	118.9	167.2	193.2	261.3	345.5	563.4
85°	6.2	6.2	7.4	9.9	16.1	29.7	44.6	48.3	74.3	109.0	184.5
87.5°	2.5	2.5	2.5	3.7	5.0	7.4	8.7	9.9	12.4	26.0	61.9
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	45.8	44.6	44.6	44.6	43.3	39.6	37.1	32.2	29.7	27.2	26.0
5°	54.5	50.8	48.3	48.3	44.6	43.3	42.1	35.9	28.5	24.8	22.3
7.5°	65.6	60.7	57.0	55.7	50.8	44.6	42.1	38.4	28.5	23.5	21.1
10°	110.2	78.0	71.8	69.3	61.9	54.5	49.5	47.1	34.7	27.2	24.8
12.5°	139.9	123.8	111.4	97.8	73.1	65.6	55.7	47.1	35.9	27.2	22.3
15°	162.2	144.9	127.5	126.3	104.0	84.2	68.1	59.4	42.1	34.7	28.5
17.5°	234.0	180.8	157.3	156.0	132.5	92.9	78.0	58.2	45.8	33.4	27.2
20°	266.2	226.6	189.5	195.6	172.1	136.2	99.1	75.5	54.5	44.6	35.9
22.5°	341.8	307.1	265.0	237.8	199.4	161.0	109.0	84.2	61.9	45.8	37.1
25°	396.3	351.7	335.6	331.9	274.9	216.7	144.9	99.1	69.3	50.8	44.6
27.5°	490.4	456.9	402.4	396.3	313.3	237.8	182.0	117.6	76.8	55.7	47.1
30°	552.3	527.5	508.9	495.3	392.5	286.0	206.8	133.7	83.0	58.2	48.3
32.5°	673.6	626.6	585.7	564.7	497.8	361.6	250.1	153.5	90.4	61.9	53.2
35°	772.7	767.7	708.3	703.3	606.8	461.9	304.6	179.6	94.1	63.2	52.0
37.5°	902.7	874.2	845.8	830.9	740.5	567.1	372.7	220.4	110.2	65.6	52.0
40°	1006.7	978.2	967.1	953.5	834.6	669.9	460.6	240.2	112.7	66.9	50.8
42.5°	1139.2	1094.6	1104.6	1089.7	963.4	807.4	548.6	287.3	121.4	66.9	48.3
45°	1307.6	1284.1	1295.2	1270.5	1145.4	983.2	640.2	334.3	133.7	65.6	44.6
47.5°	1523.1	1509.5	1521.9	1478.5	1383.2	1214.8	832.1	419.8	149.8	64.4	42.1
50°	1752.2	1772.0	1754.7	1713.8	1672.9	1462.4	1056.3	525.0	173.4	61.9	39.6
52.5°	2020.9	2023.4	1992.4	1991.2	1992.4	1785.6	1290.3	651.3	203.1	59.4	37.1
55°	2276.0	2306.9	2290.8	2309.4	2337.9	2195.5	1577.6	796.2	243.9	55.7	34.7
57.5°	2537.3	2647.5	2692.0	2750.2	2804.7	2726.7	1965.2	1006.7	293.5	52.0	32.2
60°	2875.3	3175.0	3365.7	3436.2	3482.1	3322.3	2467.9	1275.4	365.3	48.3	28.5
62.5°	3312.4	3791.6	4072.7	4154.5	4092.5	3758.2	2760.1	1476.0	423.5	45.8	24.8
65°	3600.9	4132.2	4424.4	4372.4	4299.3	3807.7	2801.0	1494.6	435.9	40.9	22.3
67.5°	3430.1	3920.4	4212.7	4134.6	4081.4	3560.1	2511.2	1377.0	406.2	34.7	19.8
70°	2841.9	3338.4	3594.7	3530.4	3568.7	3021.4	2054.3	1166.5	360.3	29.7	17.3
72.5°	2041.9	2432.0	2694.5	2654.9	2757.7	2172.0	1513.2	917.6	299.7	24.8	14.9
75°	1247.0	1604.8	1668.0	1607.3	1534.2	1108.3	730.6	499.0	193.2	18.6	11.1
77.5°	762.8	875.5	772.7	782.6	616.7	277.4	137.4	102.8	54.5	14.9	7.4
80°	726.9	657.5	531.2	516.4	355.4	107.7	60.7	45.8	23.5	11.1	6.2
82.5°	759.1	796.2	679.8	629.0	376.4	95.3	49.5	37.1	18.6	8.7	5.0
85°	314.5	709.5	658.8	600.6	348.0	74.3	39.6	27.2	12.4	6.2	5.0
87.5°	122.6	203.1	187.0	167.2	110.2	37.1	31.0	22.3	8.7	5.0	5.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	24.8	23.5	22.3	22.3	21.1	21.1	19.8	19.8	19.8	19.8	19.8
5°	21.1	19.8	18.6	17.3	16.1	16.1	17.3	18.6	18.6	19.8	18.6
7.5°	18.6	17.3	14.9	16.1	16.1	13.6	9.9	8.7	8.7	9.9	9.9
10°	19.8	17.3	18.6	11.1	8.7	7.4	8.7	8.7	8.7	11.1	13.6
12.5°	19.8	21.1	14.9	13.6	12.4	11.1	13.6	12.4	11.1	12.4	12.4
15°	26.0	18.6	16.1	13.6	14.9	16.1	14.9	13.6	12.4	12.4	13.6
17.5°	22.3	19.8	18.6	21.1	19.8	16.1	14.9	16.1	16.1	14.9	13.6
20°	29.7	26.0	24.8	21.1	18.6	18.6	18.6	16.1	14.9	14.9	16.1
22.5°	33.4	28.5	28.5	26.0	23.5	18.6	18.6	17.3	17.3	16.1	14.9
25°	39.6	37.1	32.2	26.0	24.8	22.3	21.1	17.3	17.3	16.1	16.1
27.5°	42.1	37.1	32.2	29.7	26.0	21.1	21.1	17.3	16.1	16.1	14.9
30°	44.6	38.4	33.4	29.7	26.0	22.3	21.1	17.3	16.1	14.9	14.9
32.5°	47.1	39.6	32.2	28.5	24.8	21.1	19.8	17.3	14.9	13.6	13.6
35°	44.6	37.1	32.2	28.5	23.5	19.8	18.6	16.1	13.6	13.6	12.4
37.5°	42.1	34.7	29.7	26.0	22.3	18.6	16.1	13.6	12.4	11.1	11.1
40°	39.6	32.2	27.2	23.5	19.8	17.3	14.9	11.1	9.9	8.7	8.7
42.5°	35.9	29.7	24.8	21.1	17.3	13.6	12.4	9.9	7.4	6.2	6.2
45°	34.7	27.2	22.3	18.6	14.9	12.4	9.9	7.4	5.0	3.7	3.7
47.5°	32.2	24.8	19.8	16.1	12.4	9.9	7.4	5.0	3.7	2.5	2.5
50°	29.7	23.5	17.3	13.6	9.9	7.4	5.0	3.7	2.5	1.2	1.2
52.5°	27.2	21.1	14.9	11.1	8.7	6.2	3.7	2.5	1.2	1.2	0.0
55°	24.8	17.3	13.6	9.9	6.2	3.7	2.5	1.2	1.2	0.0	0.0
57.5°	21.1	14.9	11.1	7.4	5.0	2.5	1.2	1.2	1.2	0.0	0.0
60°	18.6	12.4	8.7	6.2	3.7	2.5	1.2	1.2	0.0	0.0	0.0
62.5°	16.1	11.1	7.4	5.0	2.5	1.2	1.2	1.2	0.0	0.0	0.0
65°	13.6	8.7	6.2	3.7	2.5	1.2	1.2	1.2	1.2	0.0	0.0
67.5°	12.4	7.4	5.0	3.7	2.5	1.2	1.2	1.2	1.2	1.2	0.0
70°	11.1	6.2	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	8.7	5.0	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
75°	6.2	3.7	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2
77.5°	5.0	3.7	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5
80°	3.7	2.5	2.5	3.7	3.7	3.7	1.2	2.5	2.5	2.5	2.5
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	1.2	3.7	3.7	3.7	2.5
85°	3.7	3.7	3.7	3.7	5.0	5.0	1.2	5.0	5.0	3.7	3.7
87.5°	5.0	3.7	5.0	5.0	5.0	6.2	1.2	5.0	5.0	5.0	5.0
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):

	160°	165°	170°	175°	180°
0°	31.0	31.0	31.0	31.0	31.0
2.5°	19.8	21.1	21.1	21.1	21.1
5°	17.3	16.1	16.1	16.1	16.1
7.5°	9.9	9.9	11.1	11.1	11.1
10°	14.9	14.9	14.9	14.9	14.9
12.5°	12.4	13.6	13.6	13.6	13.6
15°	14.9	14.9	16.1	16.1	16.1
17.5°	13.6	13.6	14.9	14.9	14.9
20°	14.9	16.1	16.1	16.1	16.1
22.5°	13.6	13.6	16.1	16.1	17.3
25°	16.1	14.9	14.9	16.1	14.9
27.5°	14.9	14.9	16.1	16.1	16.1
30°	14.9	13.6	13.6	14.9	14.9
32.5°	13.6	13.6	13.6	13.6	13.6
35°	12.4	12.4	13.6	13.6	13.6
37.5°	11.1	9.9	11.1	11.1	11.1
40°	8.7	8.7	8.7	9.9	9.9
42.5°	6.2	6.2	6.2	6.2	6.2
45°	3.7	3.7	3.7	3.7	3.7
47.5°	2.5	1.2	2.5	2.5	2.5
50°	1.2	1.2	1.2	1.2	1.2
52.5°	0.0	1.2	1.2	1.2	1.2
55°	0.0	1.2	1.2	1.2	1.2
57.5°	0.0	0.0	1.2	1.2	1.2
60°	0.0	0.0	1.2	1.2	1.2
62.5°	0.0	0.0	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2
67.5°	0.0	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	2.5	1.2	1.2
77.5°	2.5	2.5	2.5	2.5	1.2
80°	2.5	2.5	2.5	2.5	1.2
82.5°	2.5	2.5	3.7	2.5	1.2
85°	3.7	3.7	3.7	3.7	1.2
87.5°	3.7	3.7	5.0	5.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)