

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: P179374

Luminaire Tested: **UTLD-F03-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179374
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3225.3 lumens
Efficiency: N/A
Efficacy: 41.2 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

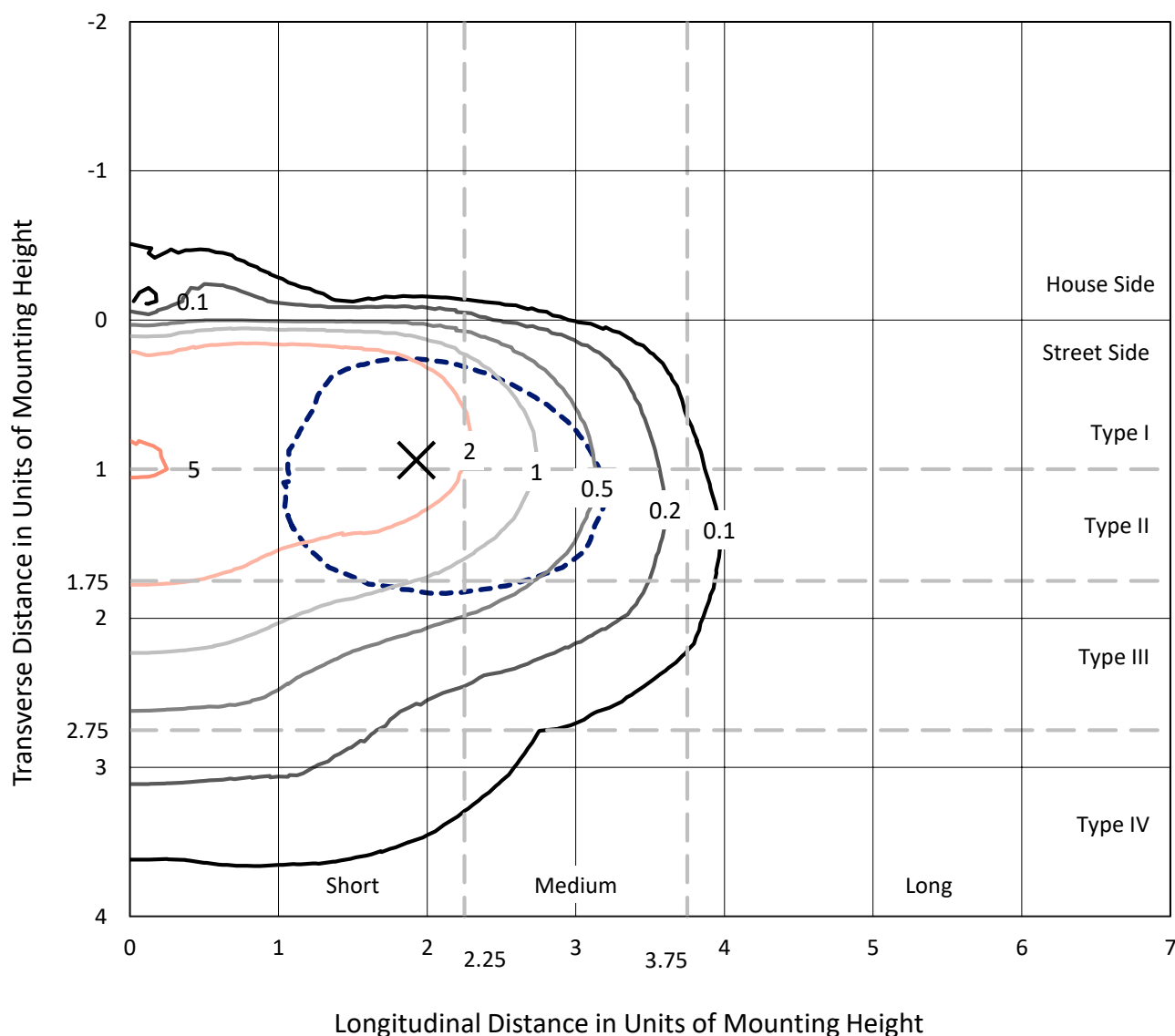


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

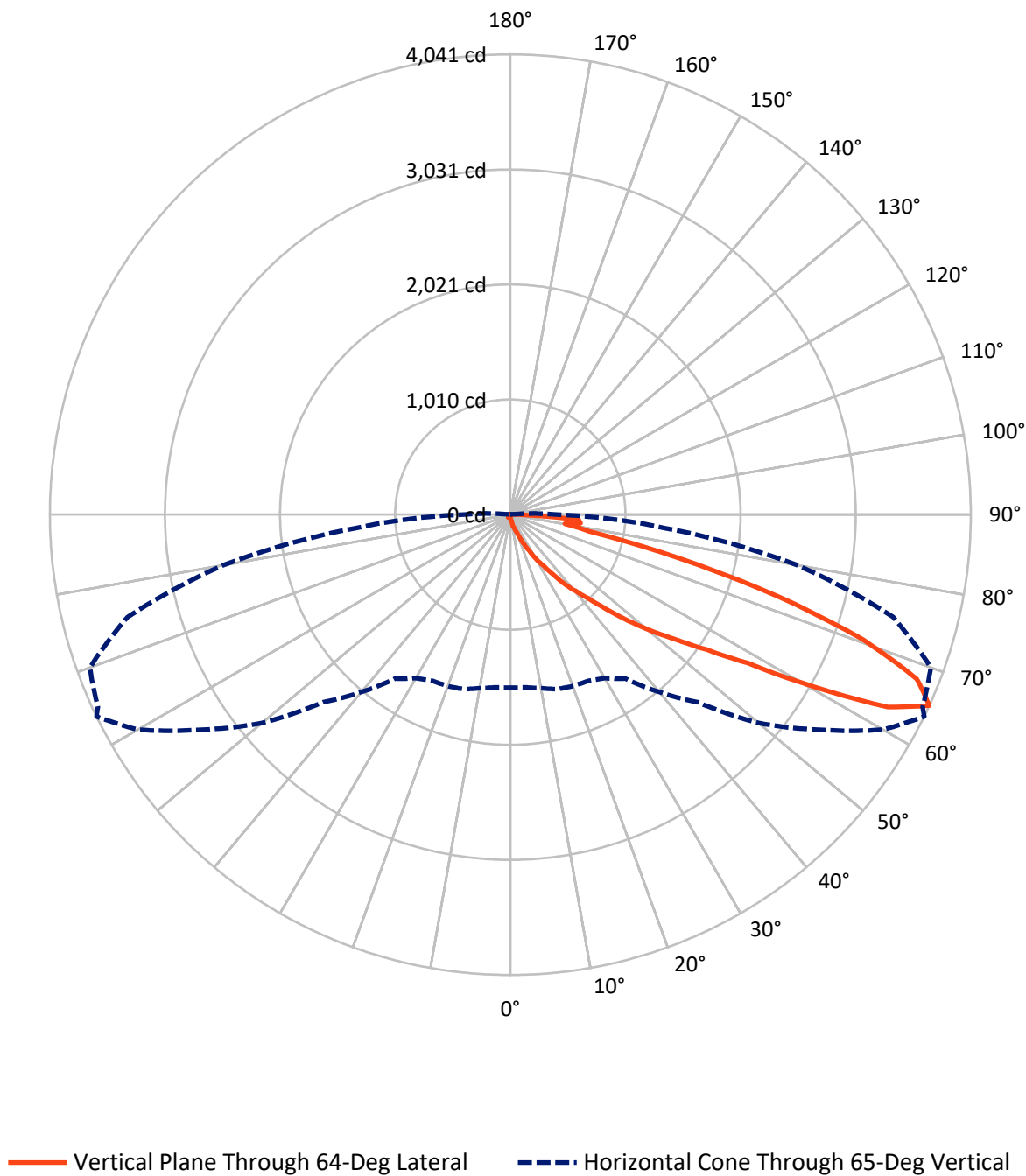


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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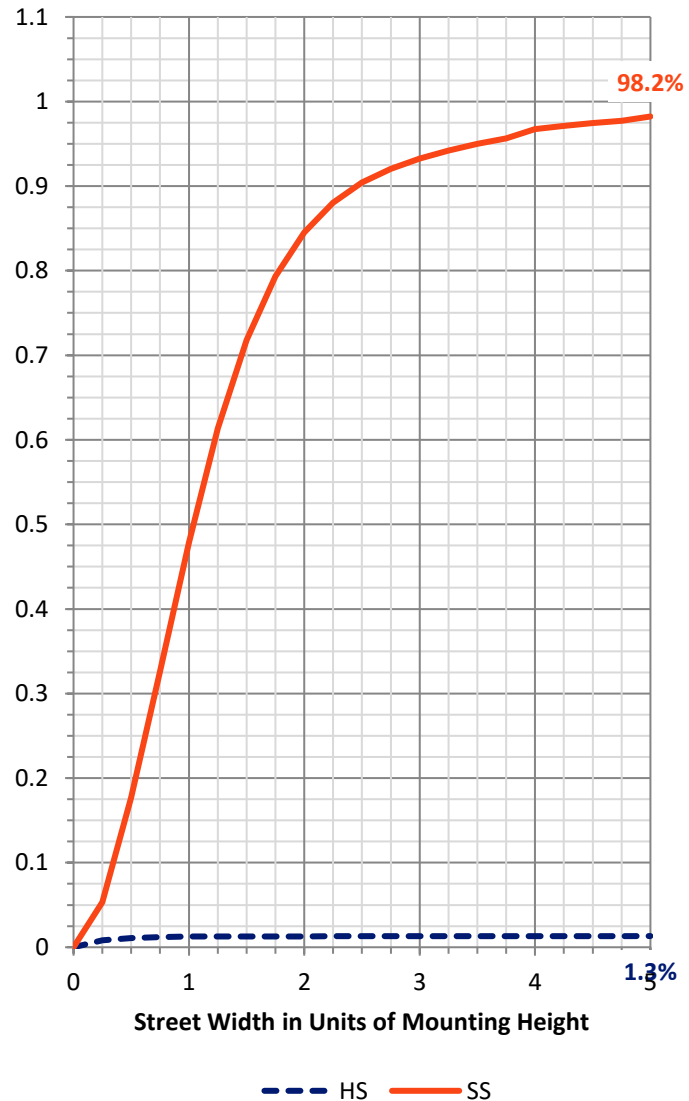
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43.9	0.0	43.9
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	3181.4	0.0	3181.4
	% Fixture	98.6	0.0	98.6
Total	Lumens	3225.3	0.0	3225.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	27.8	0.9
20°-30°	87.5	2.7
30°-40°	212.3	6.6
40°-50°	450.0	14.0
50°-60°	810.5	25.1
60°-70°	1085.2	33.6
70°-80°	469.1	14.5
80°-90°	78.7	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°	3225.3	100.0
0°-180°	3225.3	100.0

Coefficient of Utilization



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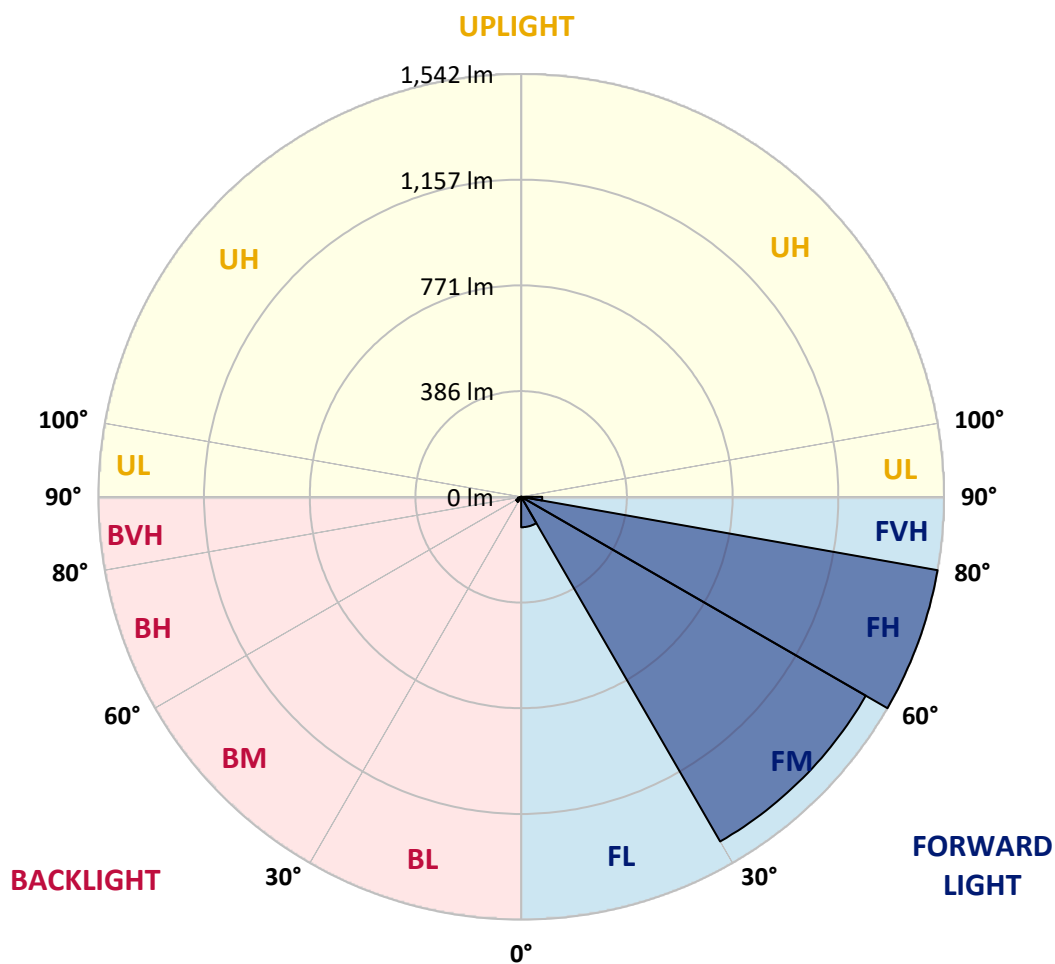
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.0	3.4			
FM	(30°-60°)	1451.4	45.0			
FH	(60°-80°)	1542.1	47.8			G1/1800
FVH	(80°-90°)	76.9	2.4			G1/100
BL	(0°-30°)	8.5	0.3	B0/110		
BM	(30°-60°)	21.4	0.7	B0/220		
BH	(60°-80°)	12.1	0.4	B0/110		G0/110
BVH	(80°-90°)	1.8	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°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	46.4	46.4	45.2	46.4	45.2	44.1	44.1	43.0	43.0	41.8	41.8
5°	67.9	67.9	66.7	64.5	62.2	61.1	59.9	56.5	55.4	54.3	52.0
7.5°	121.0	121.0	118.8	116.5	115.4	113.1	110.8	106.3	101.8	75.8	65.6
10°	154.9	152.7	150.4	145.9	144.8	139.1	133.5	130.1	125.5	114.2	106.3
12.5°	217.2	216.0	213.8	214.9	208.1	203.6	194.5	186.6	149.3	140.2	136.8
15°	286.1	268.0	251.1	235.2	230.7	226.2	212.6	213.8	222.8	203.6	159.5
17.5°	292.9	294.1	291.8	291.8	285.0	281.6	289.5	251.1	244.3	227.3	214.9
20°	368.7	369.8	367.6	343.8	311.0	299.7	316.7	305.4	305.4	278.2	261.3
22.5°	385.7	389.1	385.7	384.5	376.6	395.8	383.4	331.4	350.6	326.9	314.4
25°	468.2	470.5	469.4	459.2	473.9	416.2	407.2	432.0	408.3	380.0	392.5
27.5°	556.4	554.2	503.3	486.3	493.1	486.3	512.3	470.5	492.0	464.8	445.6
30°	598.3	601.7	597.2	577.9	577.9	596.0	549.7	566.6	550.8	510.1	577.9
32.5°	719.3	723.8	710.3	706.9	654.8	636.7	620.9	637.9	598.3	627.7	644.7
35°	861.8	864.1	843.7	756.6	755.5	734.0	730.6	691.0	711.4	688.8	752.1
37.5°	980.6	974.9	942.1	900.3	902.5	858.4	812.1	815.4	782.6	784.9	844.8
40°	1137.8	1135.5	1111.8	1077.8	1028.1	972.7	944.4	930.8	904.8	886.7	943.2
42.5°	1283.7	1298.4	1288.2	1244.1	1170.6	1145.7	1077.8	1050.7	1042.8	1013.4	1059.7
45°	1464.6	1463.5	1462.4	1418.3	1370.8	1318.7	1218.1	1203.4	1189.8	1186.4	1237.3
47.5°	1600.4	1601.5	1606.0	1576.6	1543.8	1470.3	1370.8	1367.4	1375.3	1367.4	1431.8
50°	1692.0	1702.1	1719.1	1712.3	1668.2	1618.4	1556.2	1544.9	1555.1	1550.6	1653.5
52.5°	1753.0	1765.5	1785.8	1798.3	1750.8	1729.3	1703.3	1688.6	1737.2	1738.3	1856.0
55°	1776.8	1790.4	1810.7	1835.6	1799.4	1803.9	1793.8	1791.5	1869.5	1887.6	2042.6
57.5°	1757.6	1770.0	1792.6	1823.2	1813.0	1850.3	1828.8	1839.0	1960.0	2007.5	2207.7
60°	1706.7	1718.0	1742.9	1793.8	1780.2	1824.3	1814.1	1862.7	2019.9	2125.1	2398.8
62.5°	1621.8	1635.4	1662.6	1711.2	1718.0	1756.4	1766.6	1849.2	2060.7	2243.9	2654.4
65°	1517.8	1521.2	1546.1	1585.6	1601.5	1609.4	1655.8	1756.4	2030.1	2327.6	2845.6
67.5°	1360.6	1368.5	1384.3	1408.1	1420.5	1378.7	1417.1	1521.2	1796.0	2152.3	2704.2
70°	964.7	963.6	998.7	1100.5	1131.0	1037.1	1034.9	1099.3	1324.4	1664.8	2163.6
72.5°	658.2	666.2	682.0	713.7	810.9	781.5	771.3	737.4	825.6	1014.5	1429.6
75°	501.0	504.4	570.0	623.2	688.8	719.3	738.5	697.8	665.0	635.6	818.8
77.5°	170.8	185.5	217.2	297.5	464.8	566.6	630.0	688.8	728.4	697.8	676.3
80°	37.3	38.5	43.0	57.7	162.9	292.9	367.6	469.4	584.7	650.3	706.9
82.5°	15.8	17.0	20.4	24.9	38.5	108.6	152.7	176.4	238.6	315.5	514.6
85°	5.7	5.7	6.8	9.0	14.7	27.1	40.7	44.1	67.9	99.5	168.5
87.5°	2.3	2.3	2.3	3.4	4.5	6.8	7.9	9.0	11.3	23.8	56.5
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	41.8	40.7	40.7	40.7	39.6	36.2	33.9	29.4	27.1	24.9	23.8
5°	49.8	46.4	44.1	44.1	40.7	39.6	38.5	32.8	26.0	22.6	20.4
7.5°	59.9	55.4	52.0	50.9	46.4	40.7	38.5	35.1	26.0	21.5	19.2
10°	100.7	71.3	65.6	63.3	56.5	49.8	45.2	43.0	31.7	24.9	22.6
12.5°	127.8	113.1	101.8	89.3	66.7	59.9	50.9	43.0	32.8	24.9	20.4
15°	148.2	132.3	116.5	115.4	95.0	76.9	62.2	54.3	38.5	31.7	26.0
17.5°	213.8	165.1	143.6	142.5	121.0	84.8	71.3	53.2	41.8	30.5	24.9
20°	243.2	207.0	173.0	178.7	157.2	124.4	90.5	69.0	49.8	40.7	32.8
22.5°	312.2	280.5	242.0	217.2	182.1	147.0	99.5	76.9	56.5	41.8	33.9
25°	361.9	321.2	306.5	303.1	251.1	197.9	132.3	90.5	63.3	46.4	40.7
27.5°	447.9	417.3	367.6	361.9	286.1	217.2	166.3	107.4	70.1	50.9	43.0
30°	504.4	481.8	464.8	452.4	358.5	261.3	188.9	122.1	75.8	53.2	44.1
32.5°	615.3	572.3	535.0	515.7	454.7	330.2	228.5	140.2	82.6	56.5	48.6
35°	705.7	701.2	646.9	642.4	554.2	421.9	278.2	164.0	86.0	57.7	47.5
37.5°	824.5	798.5	772.5	758.9	676.3	518.0	340.4	201.3	100.7	59.9	47.5
40°	919.5	893.5	883.3	870.9	762.3	611.9	420.7	219.4	102.9	61.1	46.4
42.5°	1040.5	999.8	1008.8	995.3	879.9	737.4	501.0	262.4	110.8	61.1	44.1
45°	1194.3	1172.8	1183.0	1160.4	1046.2	898.0	584.7	305.4	122.1	59.9	40.7
47.5°	1391.1	1378.7	1390.0	1350.4	1263.3	1109.5	760.0	383.4	136.8	58.8	38.5
50°	1600.4	1618.4	1602.6	1565.3	1528.0	1335.7	964.7	479.5	158.3	56.5	36.2
52.5°	1845.8	1848.0	1819.8	1818.6	1819.8	1630.9	1178.5	594.9	185.5	54.3	33.9
55°	2078.8	2107.0	2092.3	2109.3	2135.3	2005.2	1440.9	727.2	222.8	50.9	31.7
57.5°	2317.4	2418.1	2458.8	2511.9	2561.7	2490.4	1794.9	919.5	268.0	47.5	29.4
60°	2626.2	2899.9	3074.0	3138.5	3180.3	3034.4	2254.1	1164.9	333.6	44.1	26.0
62.5°	3025.4	3463.1	3719.8	3794.5	3737.9	3432.6	2521.0	1348.1	386.8	41.8	22.6
65°	3288.9	3774.1	4041.0	3993.5	3926.8	3477.8	2558.3	1365.1	398.1	37.3	20.4
67.5°	3132.8	3580.7	3847.6	3776.4	3727.7	3251.6	2293.6	1257.7	371.0	31.7	18.1
70°	2595.6	3049.1	3283.3	3224.5	3259.5	2759.6	1876.3	1065.4	329.1	27.1	15.8
72.5°	1865.0	2221.3	2461.0	2424.8	2518.7	1983.8	1382.1	838.1	273.7	22.6	13.6
75°	1138.9	1465.8	1523.4	1468.0	1401.3	1012.2	667.3	455.8	176.4	17.0	10.2
77.5°	696.7	799.6	705.7	714.8	563.2	253.3	125.5	93.9	49.8	13.6	6.8
80°	663.9	600.6	485.2	471.6	324.6	98.4	55.4	41.8	21.5	10.2	5.7
82.5°	693.3	727.2	620.9	574.5	343.8	87.1	45.2	33.9	17.0	7.9	4.5
85°	287.3	648.1	601.7	548.5	317.8	67.9	36.2	24.9	11.3	5.7	4.5
87.5°	112.0	185.5	170.8	152.7	100.7	33.9	28.3	20.4	7.9	4.5	4.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2.5°	22.6	21.5	20.4	20.4	19.2	19.2	18.1	18.1	18.1	18.1	18.1
5°	19.2	18.1	17.0	15.8	14.7	14.7	15.8	17.0	17.0	18.1	17.0
7.5°	17.0	15.8	13.6	14.7	14.7	12.4	9.0	7.9	7.9	9.0	9.0
10°	18.1	15.8	17.0	10.2	7.9	6.8	7.9	7.9	7.9	10.2	12.4
12.5°	18.1	19.2	13.6	12.4	11.3	10.2	12.4	11.3	10.2	11.3	11.3
15°	23.8	17.0	14.7	12.4	13.6	14.7	13.6	12.4	11.3	11.3	12.4
17.5°	20.4	18.1	17.0	19.2	18.1	14.7	13.6	14.7	14.7	13.6	12.4
20°	27.1	23.8	22.6	19.2	17.0	17.0	17.0	14.7	13.6	13.6	14.7
22.5°	30.5	26.0	26.0	23.8	21.5	17.0	17.0	15.8	15.8	14.7	13.6
25°	36.2	33.9	29.4	23.8	22.6	20.4	19.2	15.8	15.8	14.7	14.7
27.5°	38.5	33.9	29.4	27.1	23.8	19.2	19.2	15.8	14.7	14.7	13.6
30°	40.7	35.1	30.5	27.1	23.8	20.4	19.2	15.8	14.7	13.6	13.6
32.5°	43.0	36.2	29.4	26.0	22.6	19.2	18.1	15.8	13.6	12.4	12.4
35°	40.7	33.9	29.4	26.0	21.5	18.1	17.0	14.7	12.4	12.4	11.3
37.5°	38.5	31.7	27.1	23.8	20.4	17.0	14.7	12.4	11.3	10.2	10.2
40°	36.2	29.4	24.9	21.5	18.1	15.8	13.6	10.2	9.0	7.9	7.9
42.5°	32.8	27.1	22.6	19.2	15.8	12.4	11.3	9.0	6.8	5.7	5.7
45°	31.7	24.9	20.4	17.0	13.6	11.3	9.0	6.8	4.5	3.4	3.4
47.5°	29.4	22.6	18.1	14.7	11.3	9.0	6.8	4.5	3.4	2.3	2.3
50°	27.1	21.5	15.8	12.4	9.0	6.8	4.5	3.4	2.3	1.1	1.1
52.5°	24.9	19.2	13.6	10.2	7.9	5.7	3.4	2.3	1.1	1.1	0.0
55°	22.6	15.8	12.4	9.0	5.7	3.4	2.3	1.1	1.1	0.0	0.0
57.5°	19.2	13.6	10.2	6.8	4.5	2.3	1.1	1.1	1.1	0.0	0.0
60°	17.0	11.3	7.9	5.7	3.4	2.3	1.1	1.1	0.0	0.0	0.0
62.5°	14.7	10.2	6.8	4.5	2.3	1.1	1.1	1.1	0.0	0.0	0.0
65°	12.4	7.9	5.7	3.4	2.3	1.1	1.1	1.1	1.1	0.0	0.0
67.5°	11.3	6.8	4.5	3.4	2.3	1.1	1.1	1.1	1.1	1.1	0.0
70°	10.2	5.7	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	7.9	4.5	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1
75°	5.7	3.4	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1
77.5°	4.5	3.4	2.3	2.3	2.3	2.3	1.1	2.3	2.3	2.3	2.3
80°	3.4	2.3	2.3	3.4	3.4	3.4	1.1	2.3	2.3	2.3	2.3
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	1.1	3.4	3.4	3.4	2.3
85°	3.4	3.4	3.4	3.4	4.5	4.5	1.1	4.5	4.5	3.4	3.4
87.5°	4.5	3.4	4.5	4.5	4.5	5.7	1.1	4.5	4.5	4.5	4.5
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):

	160°	165°	170°	175°	180°
0°	28.3	28.3	28.3	28.3	28.3
2.5°	18.1	19.2	19.2	19.2	19.2
5°	15.8	14.7	14.7	14.7	14.7
7.5°	9.0	9.0	10.2	10.2	10.2
10°	13.6	13.6	13.6	13.6	13.6
12.5°	11.3	12.4	12.4	12.4	12.4
15°	13.6	13.6	14.7	14.7	14.7
17.5°	12.4	12.4	13.6	13.6	13.6
20°	13.6	14.7	14.7	14.7	14.7
22.5°	12.4	12.4	14.7	14.7	15.8
25°	14.7	13.6	13.6	14.7	13.6
27.5°	13.6	13.6	14.7	14.7	14.7
30°	13.6	12.4	12.4	13.6	13.6
32.5°	12.4	12.4	12.4	12.4	12.4
35°	11.3	11.3	12.4	12.4	12.4
37.5°	10.2	9.0	10.2	10.2	10.2
40°	7.9	7.9	7.9	9.0	9.0
42.5°	5.7	5.7	5.7	5.7	5.7
45°	3.4	3.4	3.4	3.4	3.4
47.5°	2.3	1.1	2.3	2.3	2.3
50°	1.1	1.1	1.1	1.1	1.1
52.5°	0.0	1.1	1.1	1.1	1.1
55°	0.0	1.1	1.1	1.1	1.1
57.5°	0.0	0.0	1.1	1.1	1.1
60°	0.0	0.0	1.1	1.1	1.1
62.5°	0.0	0.0	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1
67.5°	0.0	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	2.3	1.1	1.1
77.5°	2.3	2.3	2.3	2.3	1.1
80°	2.3	2.3	2.3	2.3	1.1
82.5°	2.3	2.3	3.4	2.3	1.1
85°	3.4	3.4	3.4	3.4	1.1
87.5°	3.4	3.4	4.5	4.5	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)