

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: P179366

Luminaire Tested: **UTLD-F02-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179366
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-F02-LED-E-U-T3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.6 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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



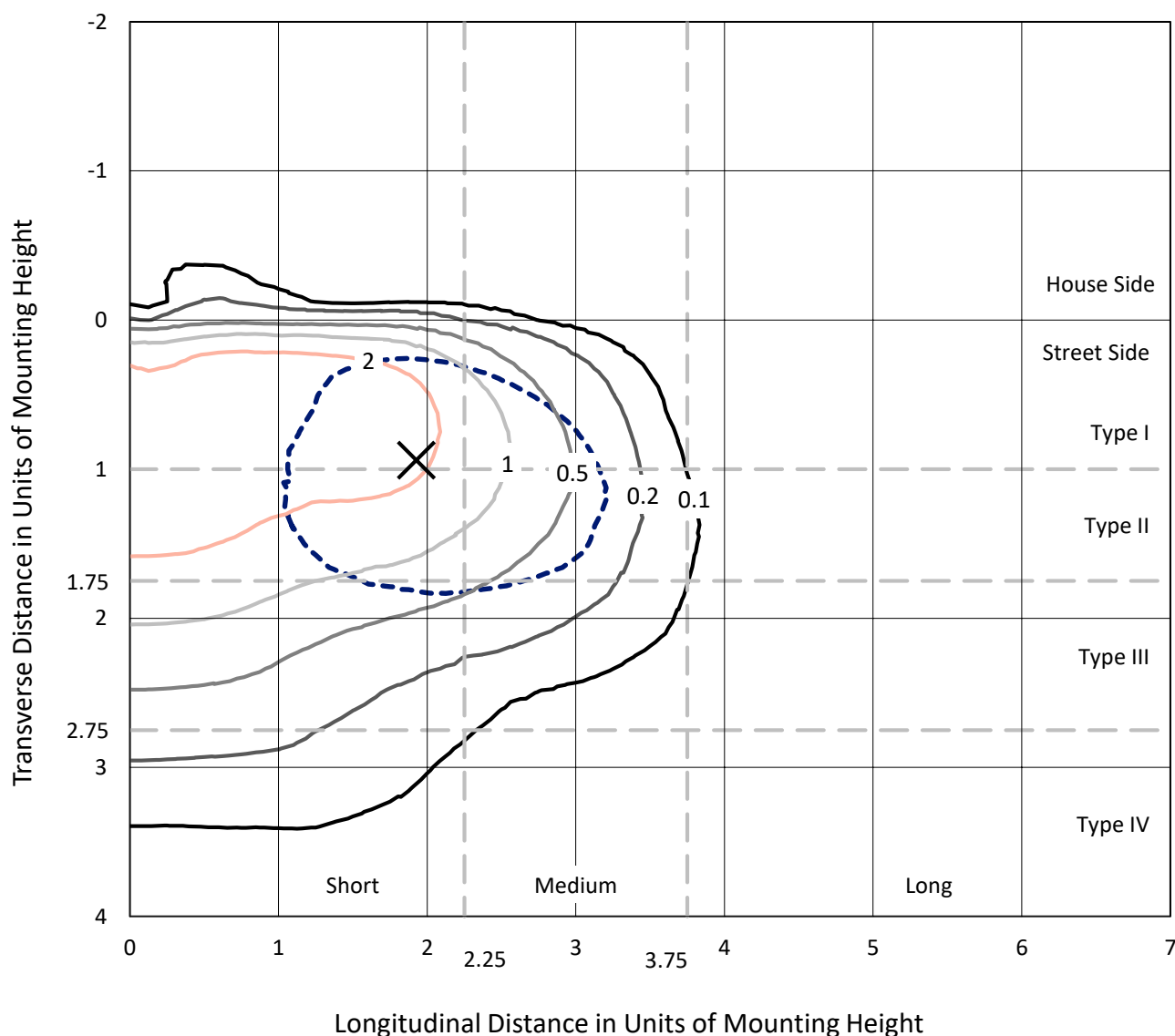
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

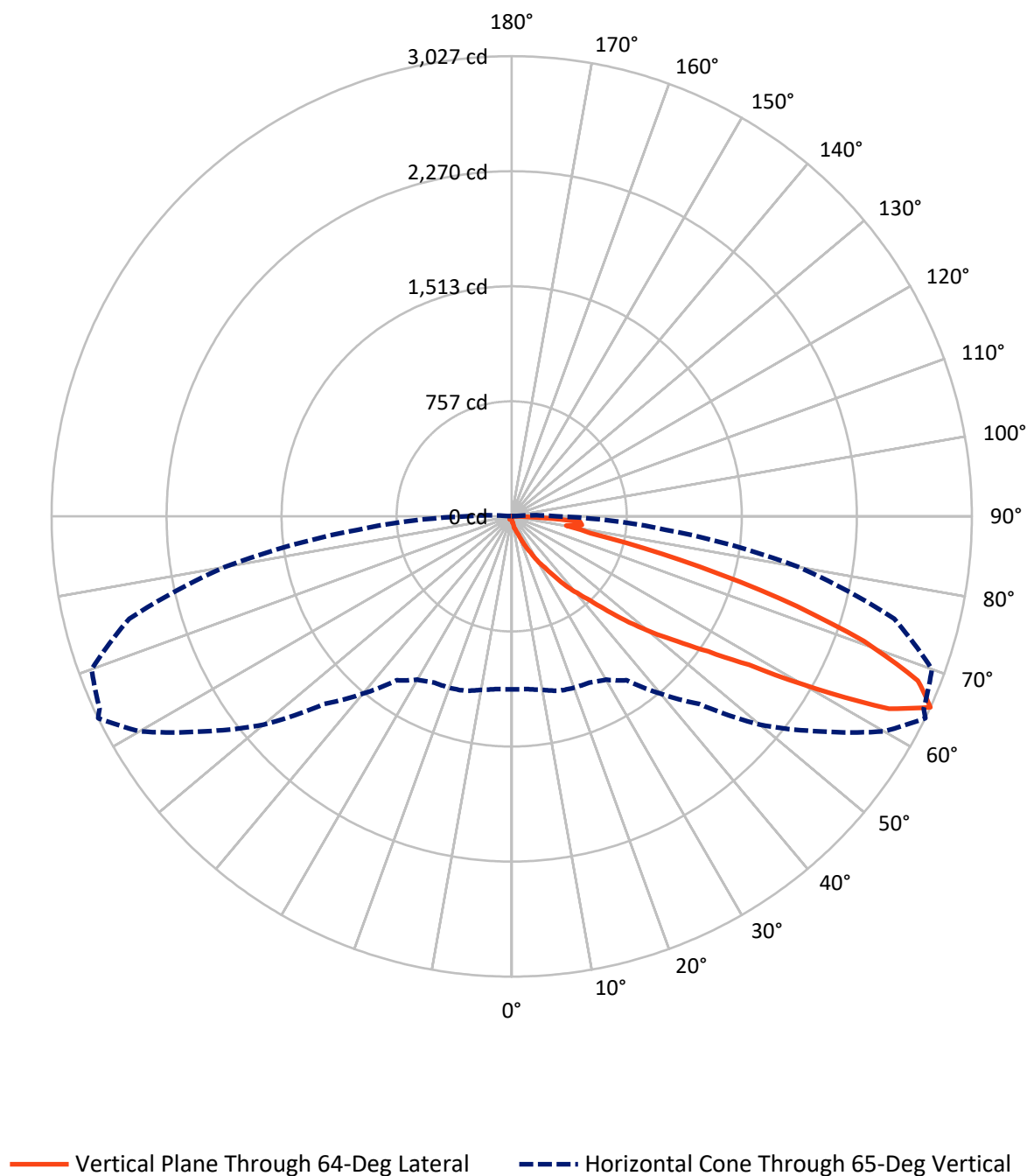


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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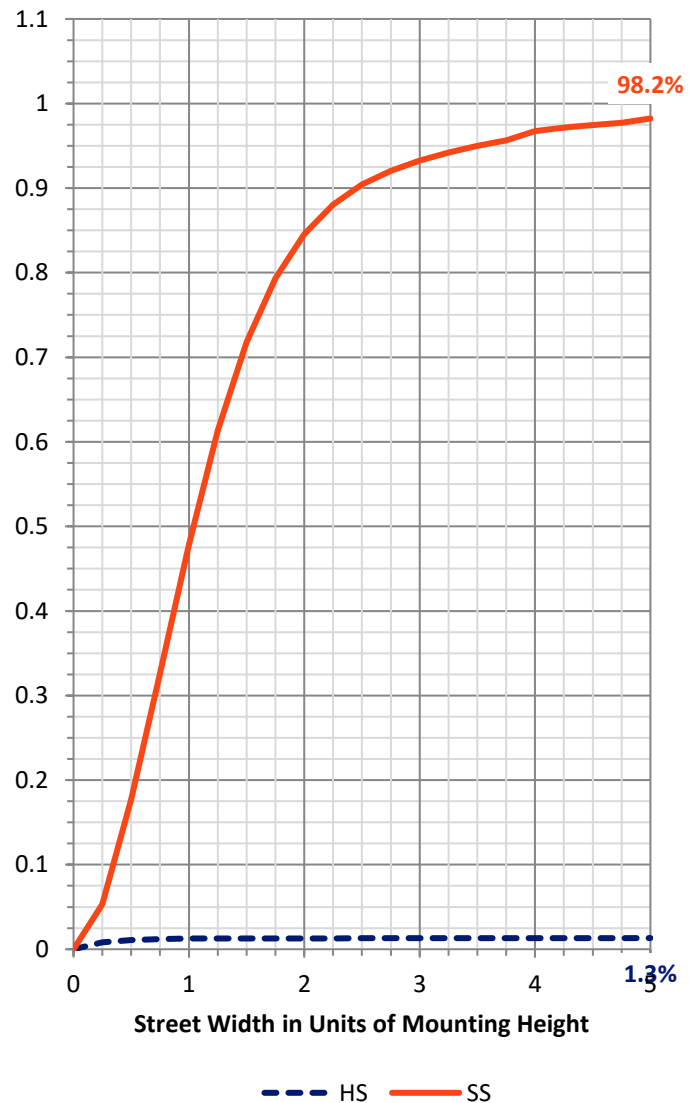
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.8	0.0	32.8
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	2382.7	0.0	2382.7
	% Fixture	98.6	0.0	98.6
Total	Lumens	2415.6	0.0	2415.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	20.9	0.9
20°-30°	65.5	2.7
30°-40°	159.0	6.6
40°-50°	337.1	14.0
50°-60°	607.0	25.1
60°-70°	812.8	33.6
70°-80°	351.3	14.5
80°-90°	58.9	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°	2415.6	100.0
0°-180°	2415.6	100.0

Coefficient of Utilization



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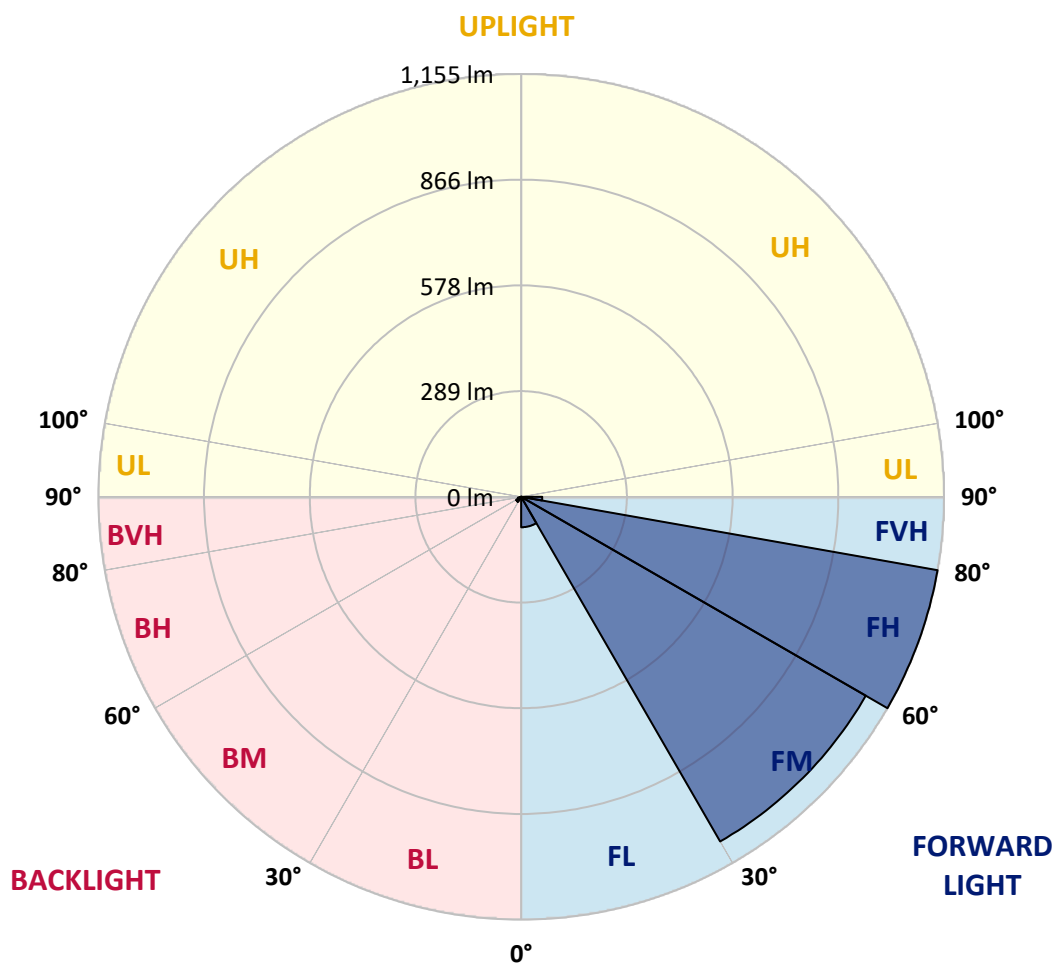
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.1	3.4			
FM	(30°-60°)	1087.0	45.0			
FH	(60°-80°)	1155.0	47.8			G1/1800
FVH	(80°-90°)	57.6	2.4			G1/100
BL	(0°-30°)	6.4	0.3	B0/110		
BM	(30°-60°)	16.0	0.7	B0/220		
BH	(60°-80°)	9.1	0.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
2.5°	34.7	34.7	33.9	34.7	33.9	33.0	33.0	32.2	32.2	31.3	31.3
5°	50.8	50.8	50.0	48.3	46.6	45.7	44.9	42.4	41.5	40.7	39.0
7.5°	90.6	90.6	88.9	87.2	86.4	84.7	83.0	79.6	76.2	56.8	49.1
10°	116.0	114.4	112.7	109.3	108.4	104.2	100.0	97.4	94.0	85.6	79.6
12.5°	162.6	161.8	160.1	160.9	155.9	152.5	145.7	139.8	111.8	105.0	102.5
15°	214.3	200.8	188.1	176.2	172.8	169.4	159.3	160.1	166.9	152.5	119.4
17.5°	219.4	220.2	218.5	218.5	213.5	210.9	216.9	188.1	183.0	170.3	160.9
20°	276.1	277.0	275.3	257.5	232.9	224.5	237.2	228.7	228.7	208.4	195.7
22.5°	288.9	291.4	288.9	288.0	282.1	296.5	287.2	248.2	262.6	244.8	235.5
25°	350.7	352.4	351.5	343.9	354.9	311.7	304.9	323.6	305.8	284.6	293.9
27.5°	416.8	415.1	376.9	364.2	369.3	364.2	383.7	352.4	368.5	348.1	333.7
30°	448.1	450.6	447.3	432.9	432.9	446.4	411.7	424.4	412.5	382.0	432.9
32.5°	538.7	542.1	532.0	529.4	490.5	476.9	465.0	477.8	448.1	470.1	482.8
35°	645.5	647.2	631.9	566.7	565.8	549.8	547.2	517.6	532.8	515.9	563.3
37.5°	734.4	730.2	705.6	674.3	676.0	642.9	608.2	610.7	586.2	587.9	632.8
40°	852.2	850.5	832.7	807.3	770.0	728.5	707.3	697.1	677.7	664.1	706.5
42.5°	961.4	972.4	964.8	931.8	876.7	858.1	807.3	786.9	781.0	759.0	793.7
45°	1097.0	1096.1	1095.3	1062.2	1026.7	987.7	912.3	901.3	891.1	888.6	926.7
47.5°	1198.6	1199.5	1202.8	1180.8	1156.3	1101.2	1026.7	1024.1	1030.0	1024.1	1072.4
50°	1267.2	1274.8	1287.6	1282.5	1249.4	1212.2	1165.6	1157.1	1164.7	1161.3	1238.4
52.5°	1313.0	1322.3	1337.5	1346.9	1311.3	1295.2	1275.7	1264.7	1301.1	1302.0	1390.1
55°	1330.8	1340.9	1356.2	1374.8	1347.7	1351.1	1343.5	1341.8	1400.2	1413.8	1529.8
57.5°	1316.4	1325.7	1342.6	1365.5	1357.9	1385.8	1369.7	1377.3	1468.0	1503.6	1653.5
60°	1278.2	1286.7	1305.3	1343.5	1333.3	1366.3	1358.7	1395.1	1512.9	1591.7	1796.6
62.5°	1214.7	1224.9	1245.2	1281.6	1286.7	1315.5	1323.1	1385.0	1543.4	1680.6	1988.1
65°	1136.8	1139.3	1158.0	1187.6	1199.5	1205.4	1240.1	1315.5	1520.5	1743.3	2131.2
67.5°	1019.0	1025.0	1036.8	1054.6	1063.9	1032.6	1061.4	1139.3	1345.2	1612.0	2025.4
70°	722.6	721.7	748.0	824.2	847.1	776.8	775.1	823.4	991.9	1246.9	1620.5
72.5°	493.0	498.9	510.8	534.5	607.4	585.3	577.7	552.3	618.4	759.8	1070.7
75°	375.3	377.8	426.9	466.7	515.9	538.7	553.1	522.6	498.1	476.1	613.3
77.5°	127.9	138.9	162.6	222.8	348.1	424.4	471.8	515.9	545.5	522.6	506.6
80°	28.0	28.8	32.2	43.2	122.0	219.4	275.3	351.5	437.9	487.1	529.4
82.5°	11.9	12.7	15.2	18.6	28.8	81.3	114.4	132.1	178.7	236.3	385.4
85°	4.2	4.2	5.1	6.8	11.0	20.3	30.5	33.0	50.8	74.5	126.2
87.5°	1.7	1.7	1.7	2.5	3.4	5.1	5.9	6.8	8.5	17.8	42.4
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
2.5°	31.3	30.5	30.5	30.5	29.6	27.1	25.4	22.0	20.3	18.6	17.8
5°	37.3	34.7	33.0	33.0	30.5	29.6	28.8	24.6	19.5	16.9	15.2
7.5°	44.9	41.5	39.0	38.1	34.7	30.5	28.8	26.3	19.5	16.1	14.4
10°	75.4	53.4	49.1	47.4	42.4	37.3	33.9	32.2	23.7	18.6	16.9
12.5°	95.7	84.7	76.2	66.9	50.0	44.9	38.1	32.2	24.6	18.6	15.2
15°	111.0	99.1	87.2	86.4	71.2	57.6	46.6	40.7	28.8	23.7	19.5
17.5°	160.1	123.7	107.6	106.7	90.6	63.5	53.4	39.8	31.3	22.9	18.6
20°	182.1	155.0	129.6	133.8	117.7	93.2	67.8	51.7	37.3	30.5	24.6
22.5°	233.8	210.1	181.3	162.6	136.4	110.1	74.5	57.6	42.4	31.3	25.4
25°	271.1	240.6	229.6	227.0	188.1	148.2	99.1	67.8	47.4	34.7	30.5
27.5°	335.4	312.6	275.3	271.1	214.3	162.6	124.5	80.5	52.5	38.1	32.2
30°	377.8	360.9	348.1	338.8	268.5	195.7	141.5	91.5	56.8	39.8	33.0
32.5°	460.8	428.6	400.7	386.3	340.5	247.3	171.1	105.0	61.8	42.4	36.4
35°	528.6	525.2	484.5	481.1	415.1	316.0	208.4	122.8	64.4	43.2	35.6
37.5°	617.5	598.0	578.6	568.4	506.6	388.0	255.0	150.8	75.4	44.9	35.6
40°	688.7	669.2	661.6	652.2	570.9	458.3	315.1	164.3	77.1	45.7	34.7
42.5°	779.3	748.8	755.6	745.4	659.0	552.3	375.3	196.5	83.0	45.7	33.0
45°	894.5	878.4	886.0	869.1	783.5	672.6	437.9	228.7	91.5	44.9	30.5
47.5°	1041.9	1032.6	1041.1	1011.4	946.2	831.0	569.2	287.2	102.5	44.0	28.8
50°	1198.6	1212.2	1200.3	1172.4	1144.4	1000.4	722.6	359.2	118.6	42.4	27.1
52.5°	1382.4	1384.1	1362.9	1362.1	1362.9	1221.5	882.7	445.6	138.9	40.7	25.4
55°	1556.9	1578.1	1567.1	1579.8	1599.3	1501.9	1079.2	544.7	166.9	38.1	23.7
57.5°	1735.7	1811.0	1841.5	1881.4	1918.6	1865.3	1344.3	688.7	200.8	35.6	22.0
60°	1966.9	2171.9	2302.4	2350.6	2382.0	2272.7	1688.2	872.5	249.9	33.0	19.5
62.5°	2265.9	2593.7	2786.0	2841.9	2799.6	2570.9	1888.1	1009.7	289.7	31.3	16.9
65°	2463.3	2826.7	3026.6	2991.0	2941.0	2604.8	1916.1	1022.4	298.2	28.0	15.2
67.5°	2346.4	2681.8	2881.8	2828.4	2792.0	2435.3	1717.9	941.9	277.8	23.7	13.6
70°	1944.0	2283.7	2459.1	2415.0	2441.3	2066.9	1405.3	797.9	246.5	20.3	11.9
72.5°	1396.8	1663.7	1843.2	1816.1	1886.4	1485.8	1035.1	627.7	205.0	16.9	10.2
75°	853.0	1097.8	1141.0	1099.5	1049.5	758.1	499.8	341.4	132.1	12.7	7.6
77.5°	521.8	598.9	528.6	535.4	421.8	189.7	94.0	70.3	37.3	10.2	5.1
80°	497.2	449.8	363.4	353.2	243.1	73.7	41.5	31.3	16.1	7.6	4.2
82.5°	519.3	544.7	465.0	430.3	257.5	65.2	33.9	25.4	12.7	5.9	3.4
85°	215.2	485.4	450.6	410.8	238.0	50.8	27.1	18.6	8.5	4.2	3.4
87.5°	83.9	138.9	127.9	114.4	75.4	25.4	21.2	15.2	5.9	3.4	3.4
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
2.5°	16.9	16.1	15.2	15.2	14.4	14.4	13.6	13.6	13.6	13.6	13.6
5°	14.4	13.6	12.7	11.9	11.0	11.0	11.9	12.7	12.7	13.6	12.7
7.5°	12.7	11.9	10.2	11.0	11.0	9.3	6.8	5.9	5.9	6.8	6.8
10°	13.6	11.9	12.7	7.6	5.9	5.1	5.9	5.9	5.9	7.6	9.3
12.5°	13.6	14.4	10.2	9.3	8.5	7.6	9.3	8.5	7.6	8.5	8.5
15°	17.8	12.7	11.0	9.3	10.2	11.0	10.2	9.3	8.5	8.5	9.3
17.5°	15.2	13.6	12.7	14.4	13.6	11.0	10.2	11.0	11.0	10.2	9.3
20°	20.3	17.8	16.9	14.4	12.7	12.7	12.7	11.0	10.2	10.2	11.0
22.5°	22.9	19.5	19.5	17.8	16.1	12.7	12.7	11.9	11.9	11.0	10.2
25°	27.1	25.4	22.0	17.8	16.9	15.2	14.4	11.9	11.9	11.0	11.0
27.5°	28.8	25.4	22.0	20.3	17.8	14.4	14.4	11.9	11.0	11.0	10.2
30°	30.5	26.3	22.9	20.3	17.8	15.2	14.4	11.9	11.0	10.2	10.2
32.5°	32.2	27.1	22.0	19.5	16.9	14.4	13.6	11.9	10.2	9.3	9.3
35°	30.5	25.4	22.0	19.5	16.1	13.6	12.7	11.0	9.3	9.3	8.5
37.5°	28.8	23.7	20.3	17.8	15.2	12.7	11.0	9.3	8.5	7.6	7.6
40°	27.1	22.0	18.6	16.1	13.6	11.9	10.2	7.6	6.8	5.9	5.9
42.5°	24.6	20.3	16.9	14.4	11.9	9.3	8.5	6.8	5.1	4.2	4.2
45°	23.7	18.6	15.2	12.7	10.2	8.5	6.8	5.1	3.4	2.5	2.5
47.5°	22.0	16.9	13.6	11.0	8.5	6.8	5.1	3.4	2.5	1.7	1.7
50°	20.3	16.1	11.9	9.3	6.8	5.1	3.4	2.5	1.7	0.8	0.8
52.5°	18.6	14.4	10.2	7.6	5.9	4.2	2.5	1.7	0.8	0.8	0.0
55°	16.9	11.9	9.3	6.8	4.2	2.5	1.7	0.8	0.8	0.0	0.0
57.5°	14.4	10.2	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.0	0.0
60°	12.7	8.5	5.9	4.2	2.5	1.7	0.8	0.8	0.0	0.0	0.0
62.5°	11.0	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.0	0.0	0.0
65°	9.3	5.9	4.2	2.5	1.7	0.8	0.8	0.8	0.8	0.0	0.0
67.5°	8.5	5.1	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.0
70°	7.6	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	5.9	3.4	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
75°	4.2	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
77.5°	3.4	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	2.5	1.7	1.7	2.5	2.5	2.5	0.8	1.7	1.7	1.7	1.7
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
85°	2.5	2.5	2.5	2.5	3.4	3.4	0.8	3.4	3.4	2.5	2.5
87.5°	3.4	2.5	3.4	3.4	3.4	4.2	0.8	3.4	3.4	3.4	3.4
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):

	160°	165°	170°	175°	180°
0°	21.2	21.2	21.2	21.2	21.2
2.5°	13.6	14.4	14.4	14.4	14.4
5°	11.9	11.0	11.0	11.0	11.0
7.5°	6.8	6.8	7.6	7.6	7.6
10°	10.2	10.2	10.2	10.2	10.2
12.5°	8.5	9.3	9.3	9.3	9.3
15°	10.2	10.2	11.0	11.0	11.0
17.5°	9.3	9.3	10.2	10.2	10.2
20°	10.2	11.0	11.0	11.0	11.0
22.5°	9.3	9.3	11.0	11.0	11.9
25°	11.0	10.2	10.2	11.0	10.2
27.5°	10.2	10.2	11.0	11.0	11.0
30°	10.2	9.3	9.3	10.2	10.2
32.5°	9.3	9.3	9.3	9.3	9.3
35°	8.5	8.5	9.3	9.3	9.3
37.5°	7.6	6.8	7.6	7.6	7.6
40°	5.9	5.9	5.9	6.8	6.8
42.5°	4.2	4.2	4.2	4.2	4.2
45°	2.5	2.5	2.5	2.5	2.5
47.5°	1.7	0.8	1.7	1.7	1.7
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.0	0.8	0.8	0.8	0.8
55°	0.0	0.8	0.8	0.8	0.8
57.5°	0.0	0.0	0.8	0.8	0.8
60°	0.0	0.0	0.8	0.8	0.8
62.5°	0.0	0.0	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	1.7	0.8	0.8
77.5°	1.7	1.7	1.7	1.7	0.8
80°	1.7	1.7	1.7	1.7	0.8
82.5°	1.7	1.7	2.5	1.7	0.8
85°	2.5	2.5	2.5	2.5	0.8
87.5°	2.5	2.5	3.4	3.4	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)