

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: P179363

Luminaire Tested: **UTLD-F02-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179363
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1986.9 lumens
Efficiency: N/A
Efficacy: 36.1 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



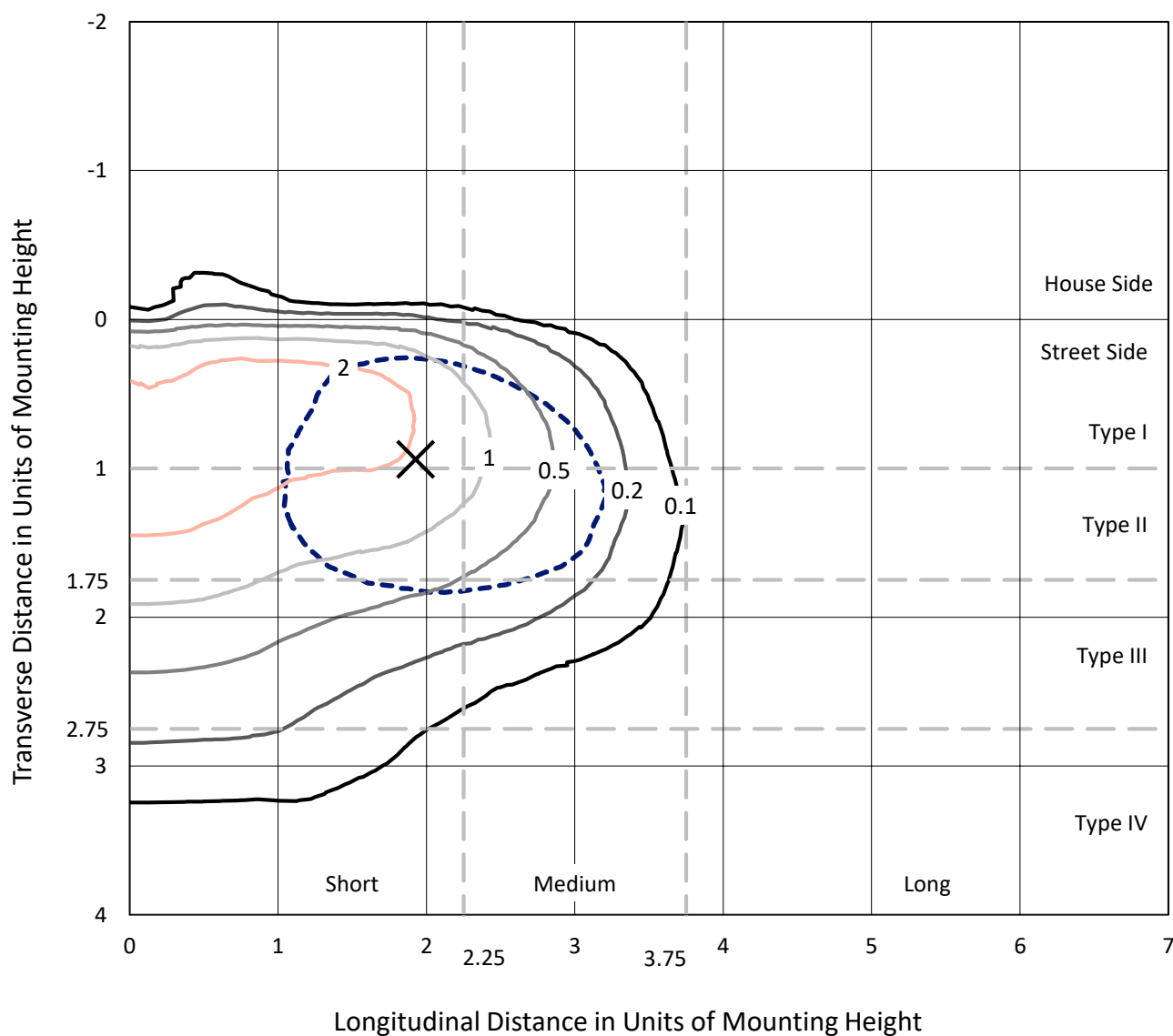
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

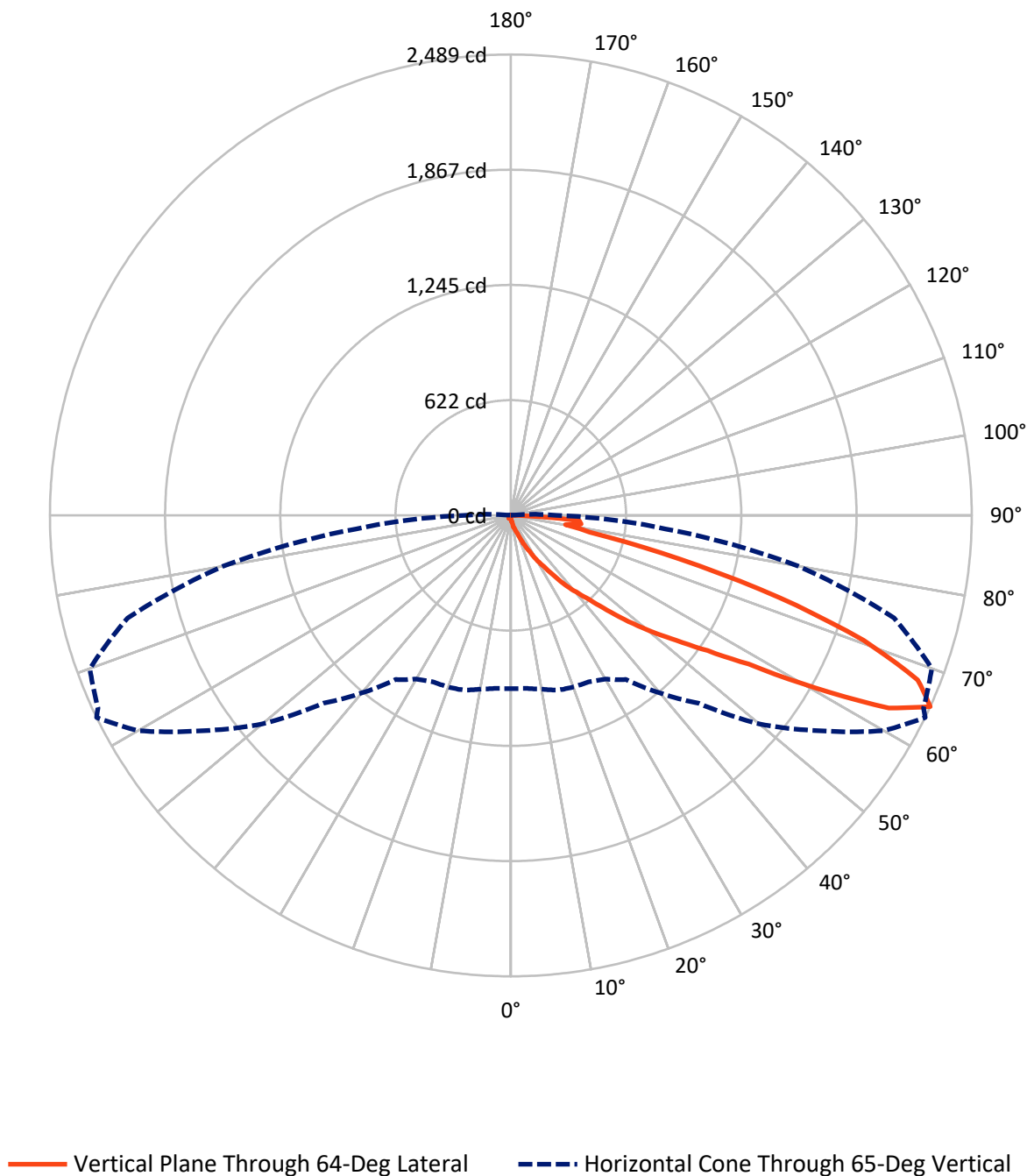


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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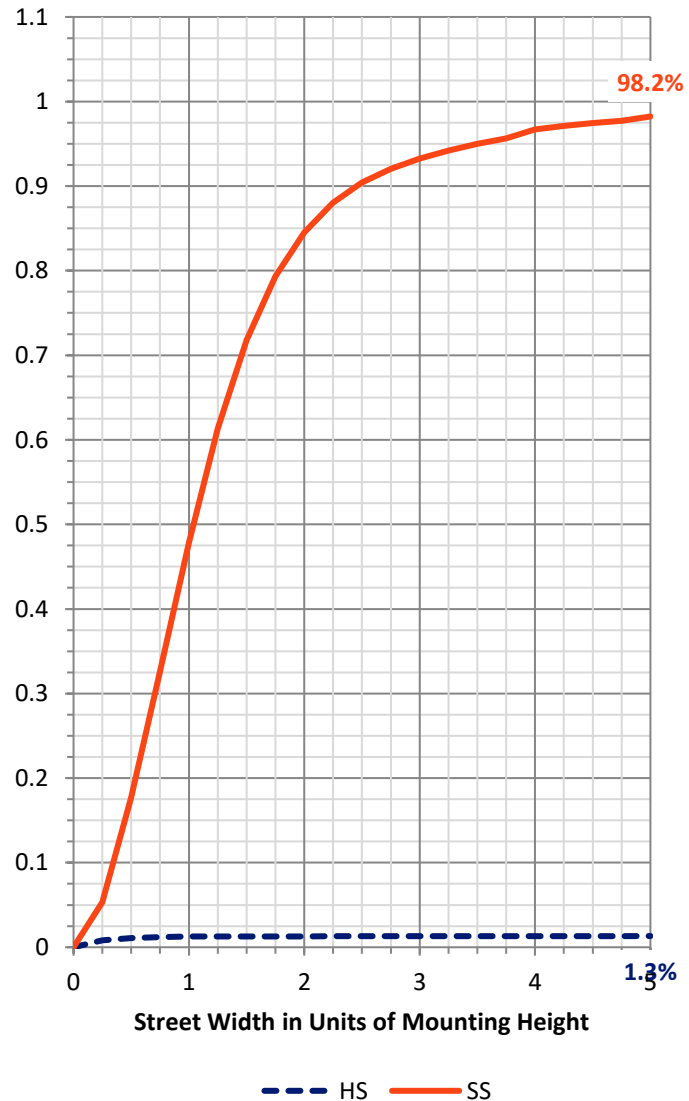
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.1	0.0	27.1
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1959.9	0.0	1959.9
	% Fixture	98.6	0.0	98.6
Total	Lumens	1986.9	0.0	1986.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	17.2	0.9
20°-30°	53.9	2.7
30°-40°	130.8	6.6
40°-50°	277.2	14.0
50°-60°	499.3	25.1
60°-70°	668.5	33.6
70°-80°	289.0	14.5
80°-90°	48.5	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°	1986.9	100.0
0°-180°	1986.9	100.0

Coefficient of Utilization



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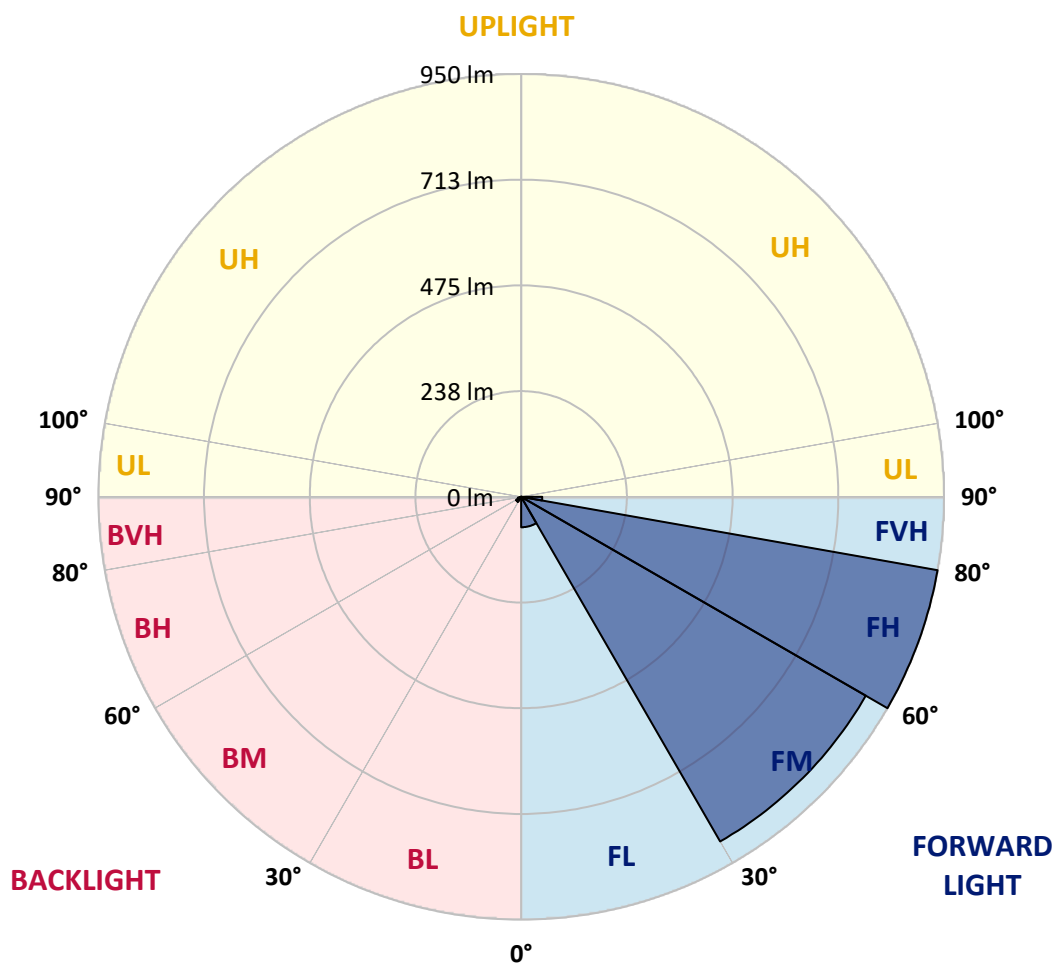
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.4	3.4			
FM	(30°-60°)	894.1	45.0			
FH	(60°-80°)	950.0	47.8			G1/1800
FVH	(80°-90°)	47.4	2.4			G1/100
BL	(0°-30°)	5.2	0.3	B0/110		
BM	(30°-60°)	13.2	0.7	B0/220		
BH	(60°-80°)	7.5	0.4	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	28.6	28.6	27.9	28.6	27.9	27.2	27.2	26.5	26.5	25.8	25.8
5°	41.8	41.8	41.1	39.7	38.3	37.6	36.9	34.8	34.1	33.4	32.0
7.5°	74.6	74.6	73.2	71.8	71.1	69.7	68.3	65.5	62.7	46.7	40.4
10°	95.5	94.1	92.7	89.9	89.2	85.7	82.2	80.1	77.3	70.4	65.5
12.5°	133.8	133.1	131.7	132.4	128.2	125.4	119.8	115.0	92.0	86.4	84.3
15°	176.3	165.1	154.7	144.9	142.1	139.3	131.0	131.7	137.3	125.4	98.2
17.5°	180.5	181.2	179.8	179.8	175.6	173.5	178.4	154.7	150.5	140.0	132.4
20°	227.1	227.8	226.4	211.8	191.6	184.6	195.1	188.1	188.1	171.4	160.9
22.5°	237.6	239.7	237.6	236.9	232.0	243.9	236.2	204.1	216.0	201.4	193.7
25°	288.4	289.8	289.1	282.9	291.9	256.4	250.8	266.2	251.5	234.1	241.8
27.5°	342.8	341.4	310.0	299.6	303.8	299.6	315.6	289.8	303.1	286.4	274.5
30°	368.6	370.7	367.9	356.0	356.0	367.2	338.6	349.1	339.3	314.2	356.0
32.5°	443.1	445.9	437.5	435.5	403.4	392.3	382.5	393.0	368.6	386.7	397.1
35°	530.9	532.3	519.8	466.1	465.4	452.2	450.1	425.7	438.2	424.3	463.3
37.5°	604.1	600.6	580.4	554.6	556.0	528.8	500.3	502.3	482.1	483.5	520.5
40°	700.9	699.5	684.9	664.0	633.3	599.2	581.8	573.4	557.4	546.2	581.1
42.5°	790.8	799.9	793.6	766.4	721.1	705.8	664.0	647.3	642.4	624.3	652.8
45°	902.3	901.6	900.9	873.7	844.4	812.4	750.4	741.3	733.0	730.9	762.2
47.5°	985.9	986.6	989.4	971.2	951.0	905.8	844.4	842.4	847.2	842.4	882.1
50°	1042.3	1048.6	1059.0	1054.9	1027.7	997.0	958.7	951.7	958.0	955.2	1018.6
52.5°	1079.9	1087.6	1100.1	1107.8	1078.5	1065.3	1049.3	1040.2	1070.2	1070.9	1143.3
55°	1094.6	1102.9	1115.5	1130.8	1108.5	1111.3	1105.0	1103.6	1151.7	1162.9	1258.3
57.5°	1082.7	1090.4	1104.3	1123.1	1116.9	1139.9	1126.6	1132.9	1207.4	1236.7	1360.0
60°	1051.4	1058.3	1073.7	1105.0	1096.7	1123.8	1117.6	1147.5	1244.4	1309.2	1477.8
62.5°	999.1	1007.5	1024.2	1054.2	1058.3	1082.0	1088.3	1139.2	1269.5	1382.3	1635.2
65°	935.0	937.1	952.4	976.8	986.6	991.5	1020.0	1082.0	1250.6	1433.9	1753.0
67.5°	838.2	843.1	852.8	867.4	875.1	849.3	873.0	937.1	1106.4	1325.9	1665.9
70°	594.3	593.6	615.2	677.9	696.7	638.9	637.5	677.2	815.9	1025.6	1332.9
72.5°	405.5	410.4	420.1	439.6	499.6	481.4	475.2	454.3	508.6	625.0	880.7
75°	308.7	310.7	351.2	383.9	424.3	443.1	455.0	429.9	409.7	391.6	504.4
77.5°	105.2	114.3	133.8	183.2	286.4	349.1	388.1	424.3	448.7	429.9	416.6
80°	23.0	23.7	26.5	35.5	100.3	180.5	226.4	289.1	360.2	400.6	435.5
82.5°	9.8	10.5	12.5	15.3	23.7	66.9	94.1	108.7	147.0	194.4	317.0
85°	3.5	3.5	4.2	5.6	9.1	16.7	25.1	27.2	41.8	61.3	103.8
87.5°	1.4	1.4	1.4	2.1	2.8	4.2	4.9	5.6	7.0	14.6	34.8
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	25.8	25.1	25.1	25.1	24.4	22.3	20.9	18.1	16.7	15.3	14.6
5°	30.7	28.6	27.2	27.2	25.1	24.4	23.7	20.2	16.0	13.9	12.5
7.5°	36.9	34.1	32.0	31.4	28.6	25.1	23.7	21.6	16.0	13.2	11.8
10°	62.0	43.9	40.4	39.0	34.8	30.7	27.9	26.5	19.5	15.3	13.9
12.5°	78.7	69.7	62.7	55.0	41.1	36.9	31.4	26.5	20.2	15.3	12.5
15°	91.3	81.5	71.8	71.1	58.5	47.4	38.3	33.4	23.7	19.5	16.0
17.5°	131.7	101.7	88.5	87.8	74.6	52.3	43.9	32.7	25.8	18.8	15.3
20°	149.8	127.5	106.6	110.1	96.8	76.6	55.7	42.5	30.7	25.1	20.2
22.5°	192.3	172.8	149.1	133.8	112.2	90.6	61.3	47.4	34.8	25.8	20.9
25°	223.0	197.9	188.8	186.7	154.7	121.9	81.5	55.7	39.0	28.6	25.1
27.5°	275.9	257.1	226.4	223.0	176.3	133.8	102.4	66.2	43.2	31.4	26.5
30°	310.7	296.8	286.4	278.7	220.9	160.9	116.4	75.2	46.7	32.7	27.2
32.5°	379.0	352.5	329.6	317.7	280.1	203.4	140.7	86.4	50.9	34.8	30.0
35°	434.8	432.0	398.5	395.7	341.4	259.9	171.4	101.0	53.0	35.5	29.3
37.5°	507.9	491.9	475.9	467.5	416.6	319.1	209.7	124.0	62.0	36.9	29.3
40°	566.4	550.4	544.2	536.5	469.6	376.9	259.2	135.2	63.4	37.6	28.6
42.5°	641.0	615.9	621.5	613.1	542.1	454.3	308.7	161.6	68.3	37.6	27.2
45°	735.8	722.5	728.8	714.9	644.5	553.2	360.2	188.1	75.2	36.9	25.1
47.5°	857.0	849.3	856.3	831.9	778.3	683.5	468.2	236.2	84.3	36.2	23.7
50°	985.9	997.0	987.3	964.3	941.3	822.8	594.3	295.4	97.5	34.8	22.3
52.5°	1137.1	1138.5	1121.0	1120.4	1121.0	1004.7	726.0	366.5	114.3	33.4	20.9
55°	1280.6	1298.0	1289.0	1299.4	1315.4	1235.3	887.6	448.0	137.3	31.4	19.5
57.5°	1427.6	1489.6	1514.7	1547.4	1578.1	1534.2	1105.7	566.4	165.1	29.3	18.1
60°	1617.8	1786.4	1893.7	1933.4	1959.2	1869.3	1388.6	717.6	205.5	27.2	16.0
62.5°	1863.8	2133.4	2291.6	2337.5	2302.7	2114.6	1553.0	830.5	238.3	25.8	13.9
65°	2026.1	2325.0	2489.4	2460.2	2419.1	2142.5	1576.0	841.0	245.3	23.0	12.5
67.5°	1930.0	2205.9	2370.3	2326.4	2296.4	2003.1	1413.0	774.8	228.5	19.5	11.1
70°	1599.0	1878.4	2022.6	1986.4	2008.0	1700.0	1155.9	656.3	202.8	16.7	9.8
72.5°	1148.9	1368.4	1516.1	1493.8	1551.6	1222.1	851.4	516.3	168.6	13.9	8.4
75°	701.6	903.0	938.5	904.4	863.3	623.6	411.1	280.8	108.7	10.5	6.3
77.5°	429.2	492.6	434.8	440.3	347.0	156.1	77.3	57.8	30.7	8.4	4.2
80°	409.0	370.0	298.9	290.5	200.0	60.6	34.1	25.8	13.2	6.3	3.5
82.5°	427.1	448.0	382.5	353.9	211.8	53.6	27.9	20.9	10.5	4.9	2.8
85°	177.0	399.2	370.7	337.9	195.8	41.8	22.3	15.3	7.0	3.5	2.8
87.5°	69.0	114.3	105.2	94.1	62.0	20.9	17.4	12.5	4.9	2.8	2.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
2.5°	13.9	13.2	12.5	12.5	11.8	11.8	11.1	11.1	11.1	11.1	11.1
5°	11.8	11.1	10.5	9.8	9.1	9.1	9.8	10.5	10.5	11.1	10.5
7.5°	10.5	9.8	8.4	9.1	9.1	7.7	5.6	4.9	4.9	5.6	5.6
10°	11.1	9.8	10.5	6.3	4.9	4.2	4.9	4.9	4.9	6.3	7.7
12.5°	11.1	11.8	8.4	7.7	7.0	6.3	7.7	7.0	6.3	7.0	7.0
15°	14.6	10.5	9.1	7.7	8.4	9.1	8.4	7.7	7.0	7.0	7.7
17.5°	12.5	11.1	10.5	11.8	11.1	9.1	8.4	9.1	9.1	8.4	7.7
20°	16.7	14.6	13.9	11.8	10.5	10.5	10.5	9.1	8.4	8.4	9.1
22.5°	18.8	16.0	16.0	14.6	13.2	10.5	10.5	9.8	9.8	9.1	8.4
25°	22.3	20.9	18.1	14.6	13.9	12.5	11.8	9.8	9.8	9.1	9.1
27.5°	23.7	20.9	18.1	16.7	14.6	11.8	11.8	9.8	9.1	9.1	8.4
30°	25.1	21.6	18.8	16.7	14.6	12.5	11.8	9.8	9.1	8.4	8.4
32.5°	26.5	22.3	18.1	16.0	13.9	11.8	11.1	9.8	8.4	7.7	7.7
35°	25.1	20.9	18.1	16.0	13.2	11.1	10.5	9.1	7.7	7.7	7.0
37.5°	23.7	19.5	16.7	14.6	12.5	10.5	9.1	7.7	7.0	6.3	6.3
40°	22.3	18.1	15.3	13.2	11.1	9.8	8.4	6.3	5.6	4.9	4.9
42.5°	20.2	16.7	13.9	11.8	9.8	7.7	7.0	5.6	4.2	3.5	3.5
45°	19.5	15.3	12.5	10.5	8.4	7.0	5.6	4.2	2.8	2.1	2.1
47.5°	18.1	13.9	11.1	9.1	7.0	5.6	4.2	2.8	2.1	1.4	1.4
50°	16.7	13.2	9.8	7.7	5.6	4.2	2.8	2.1	1.4	0.7	0.7
52.5°	15.3	11.8	8.4	6.3	4.9	3.5	2.1	1.4	0.7	0.7	0.0
55°	13.9	9.8	7.7	5.6	3.5	2.1	1.4	0.7	0.7	0.0	0.0
57.5°	11.8	8.4	6.3	4.2	2.8	1.4	0.7	0.7	0.7	0.0	0.0
60°	10.5	7.0	4.9	3.5	2.1	1.4	0.7	0.7	0.0	0.0	0.0
62.5°	9.1	6.3	4.2	2.8	1.4	0.7	0.7	0.7	0.0	0.0	0.0
65°	7.7	4.9	3.5	2.1	1.4	0.7	0.7	0.7	0.7	0.0	0.0
67.5°	7.0	4.2	2.8	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.0
70°	6.3	3.5	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	4.9	2.8	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
75°	3.5	2.1	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
77.5°	2.8	2.1	1.4	1.4	1.4	1.4	0.7	1.4	1.4	1.4	1.4
80°	2.1	1.4	1.4	2.1	2.1	2.1	0.7	1.4	1.4	1.4	1.4
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.7	2.1	2.1	2.1	1.4
85°	2.1	2.1	2.1	2.1	2.8	2.8	0.7	2.8	2.8	2.1	2.1
87.5°	2.8	2.1	2.8	2.8	2.8	3.5	0.7	2.8	2.8	2.8	2.8
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):

	160°	165°	170°	175°	180°
0°	17.4	17.4	17.4	17.4	17.4
2.5°	11.1	11.8	11.8	11.8	11.8
5°	9.8	9.1	9.1	9.1	9.1
7.5°	5.6	5.6	6.3	6.3	6.3
10°	8.4	8.4	8.4	8.4	8.4
12.5°	7.0	7.7	7.7	7.7	7.7
15°	8.4	8.4	9.1	9.1	9.1
17.5°	7.7	7.7	8.4	8.4	8.4
20°	8.4	9.1	9.1	9.1	9.1
22.5°	7.7	7.7	9.1	9.1	9.8
25°	9.1	8.4	8.4	9.1	8.4
27.5°	8.4	8.4	9.1	9.1	9.1
30°	8.4	7.7	7.7	8.4	8.4
32.5°	7.7	7.7	7.7	7.7	7.7
35°	7.0	7.0	7.7	7.7	7.7
37.5°	6.3	5.6	6.3	6.3	6.3
40°	4.9	4.9	4.9	5.6	5.6
42.5°	3.5	3.5	3.5	3.5	3.5
45°	2.1	2.1	2.1	2.1	2.1
47.5°	1.4	0.7	1.4	1.4	1.4
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.0	0.7	0.7	0.7	0.7
55°	0.0	0.7	0.7	0.7	0.7
57.5°	0.0	0.0	0.7	0.7	0.7
60°	0.0	0.0	0.7	0.7	0.7
62.5°	0.0	0.0	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	1.4	0.7	0.7
77.5°	1.4	1.4	1.4	1.4	0.7
80°	1.4	1.4	1.4	1.4	0.7
82.5°	1.4	1.4	2.1	1.4	0.7
85°	2.1	2.1	2.1	2.1	0.7
87.5°	2.1	2.1	2.8	2.8	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)