

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: P179285

Luminaire Tested: **UTLD-F03-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179285
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3833.8 lumens
Efficiency: N/A
Efficacy: 49.0 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 - G2

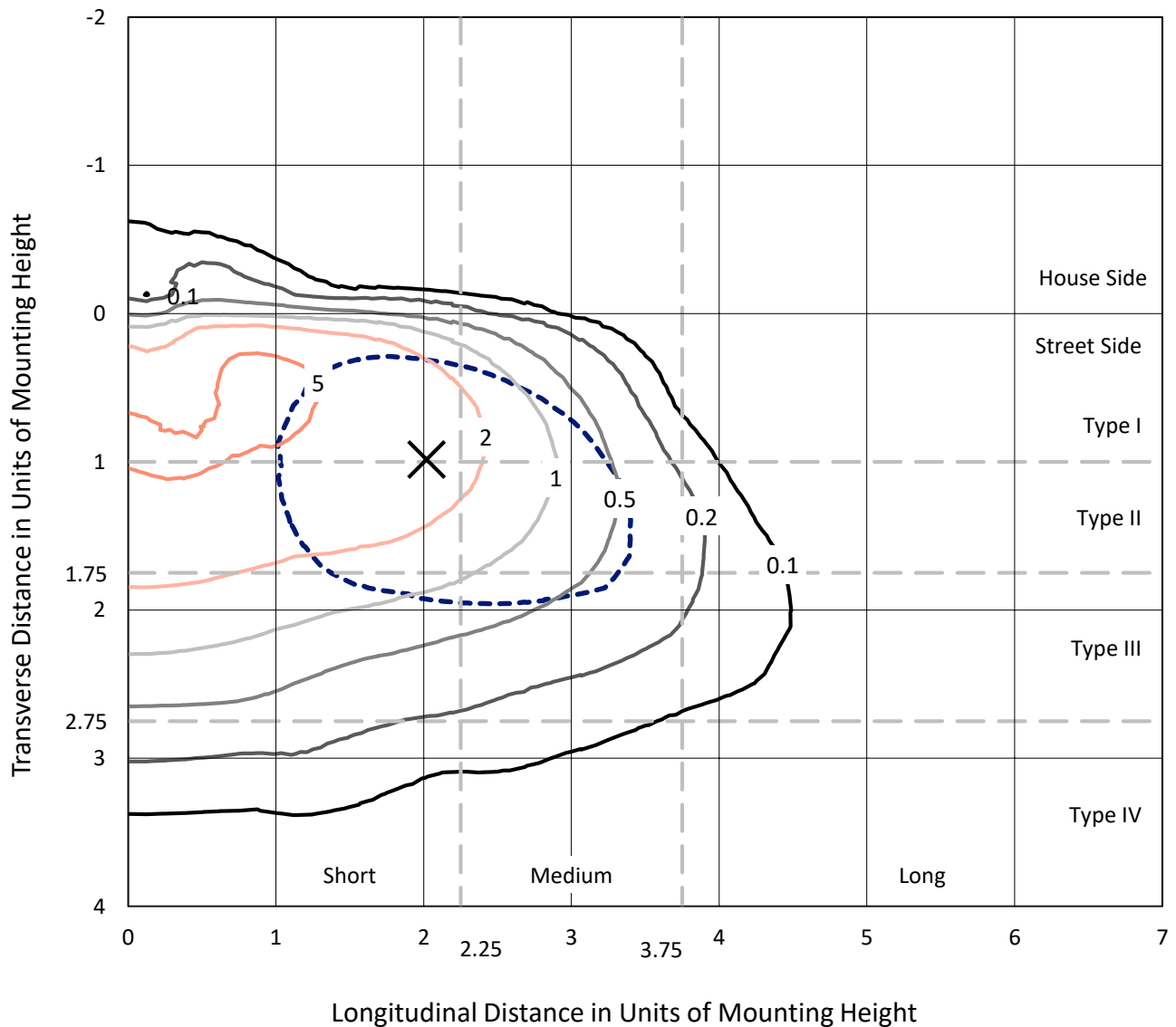
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

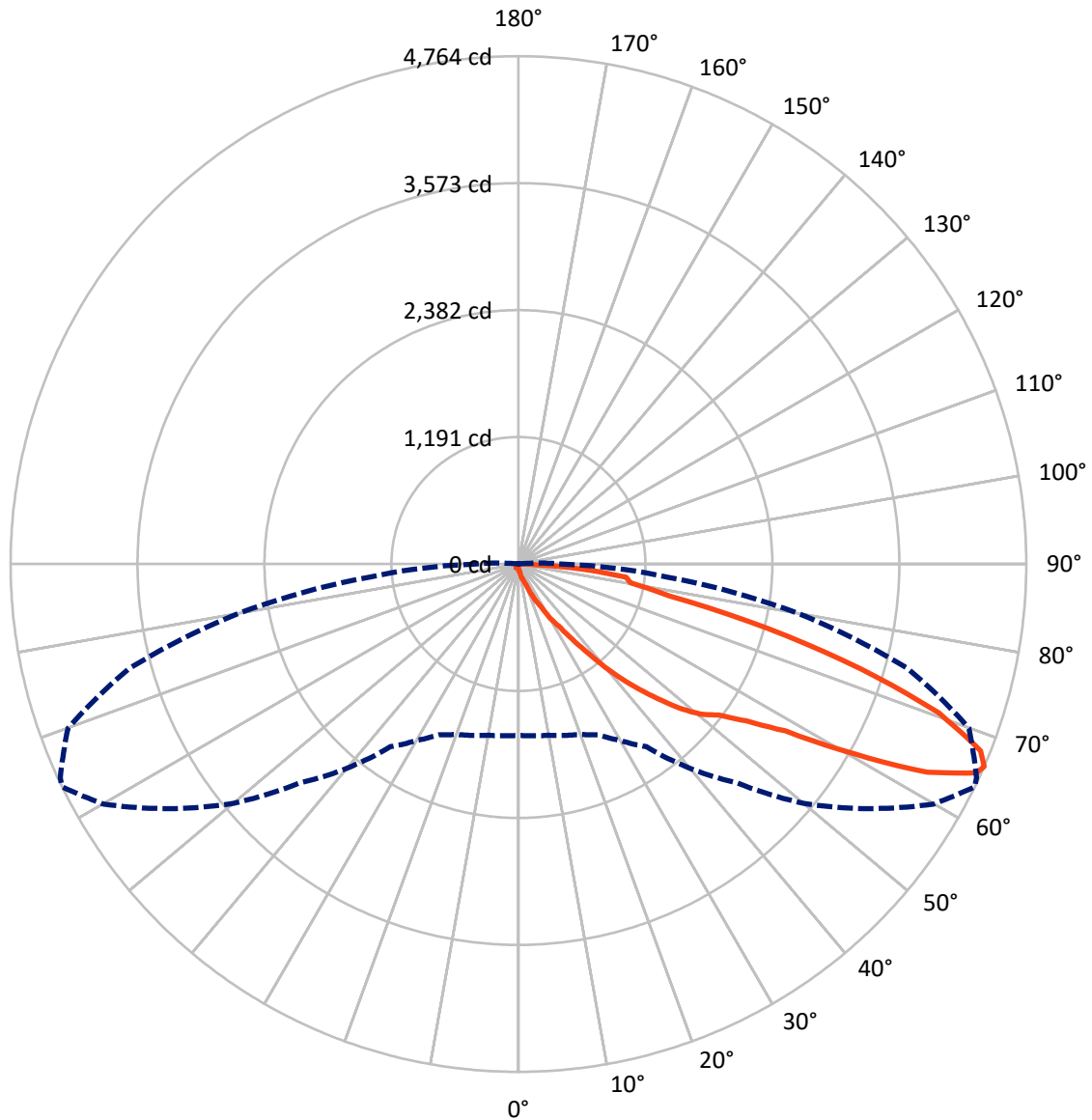


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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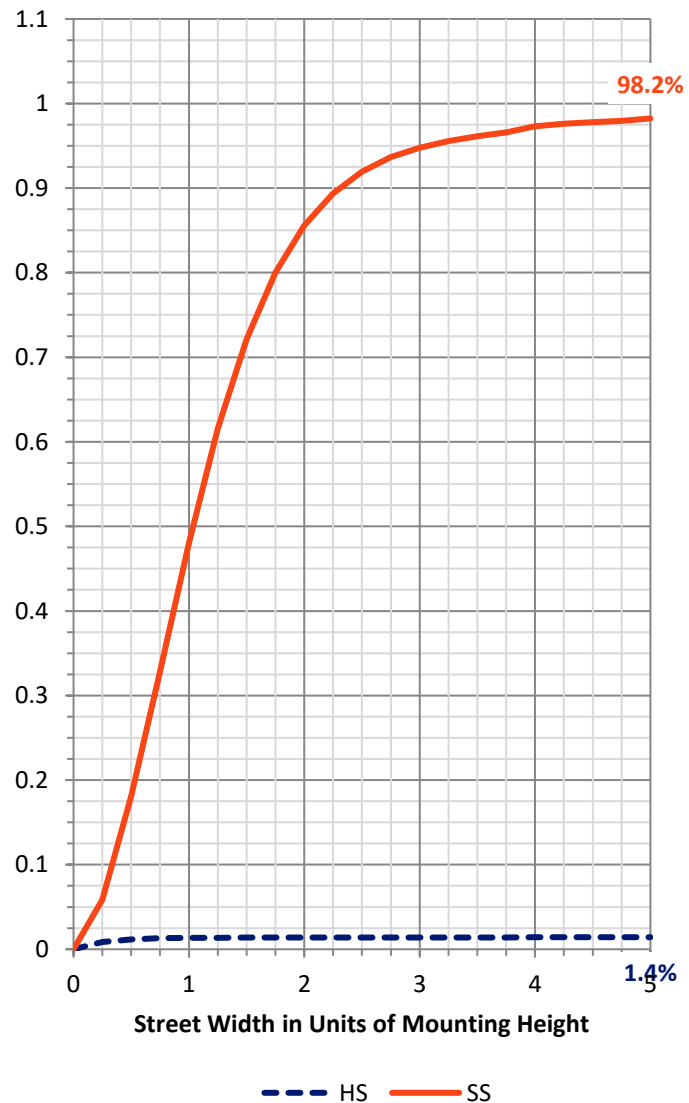
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.0	0.0	56.0
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	3777.8	0.0	3777.8
	% Fixture	98.5	0.0	98.5
Total	Lumens	3833.8	0.0	3833.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	30.0	0.8
20°-30°	91.6	2.4
30°-40°	243.6	6.4
40°-50°	566.5	14.8
50°-60°	966.0	25.2
60°-70°	1275.3	33.3
70°-80°	572.2	14.9
80°-90°	83.3	2.2
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°	3833.8	100.0
0°-180°	3833.8	100.0

Coefficient of Utilization



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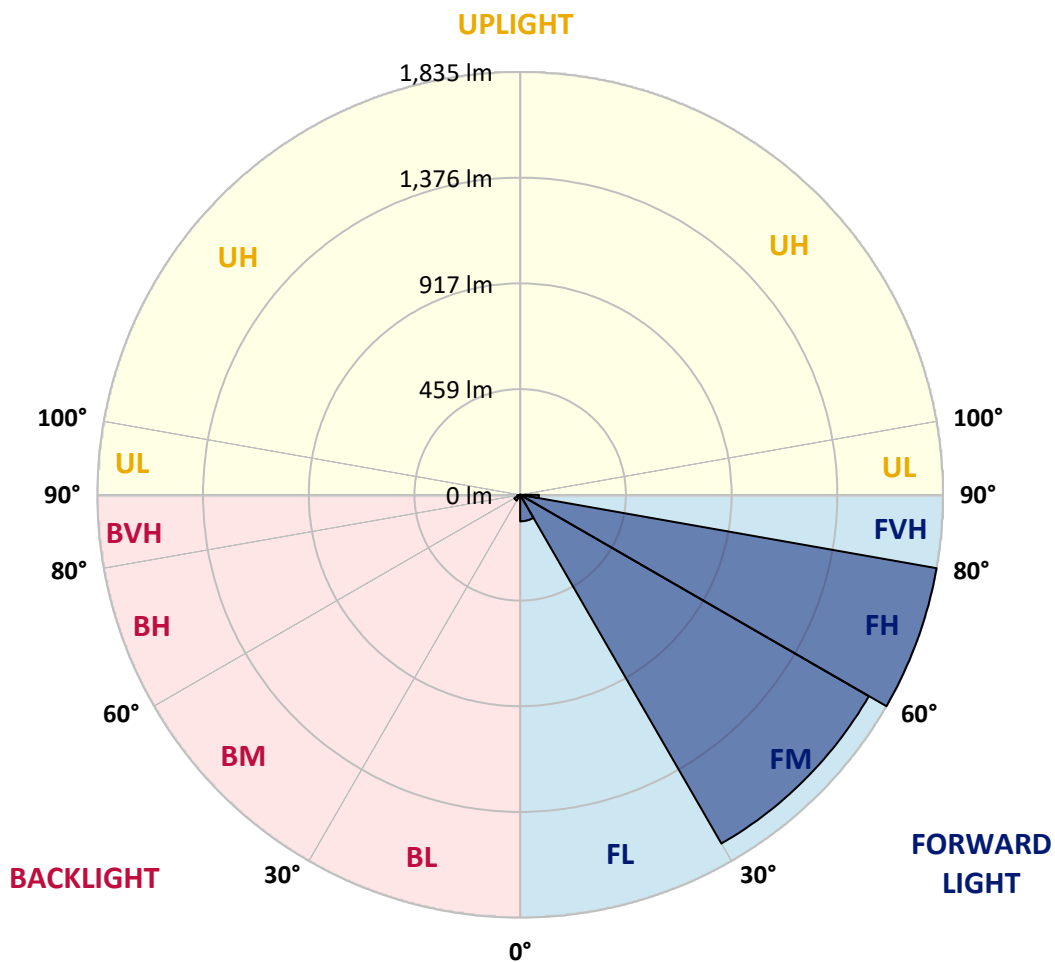
CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.1	3.0			
FM	(30°-60°)	1747.0	45.6			
FH	(60°-80°)	1834.7	47.9			G2/5000
FVH	(80°-90°)	81.0	2.1			G1/100
BL	(0°-30°)	11.8	0.3	B0/110		
BM	(30°-60°)	29.0	0.8	B0/220		
BH	(60°-80°)	12.9	0.3	B0/110		G0/110
BVH	(80°-90°)	2.3	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2.5°	65.6	65.6	65.6	64.4	63.2	63.2	61.9	60.7	60.7	60.7	59.4
5°	89.2	85.4	83.0	79.3	76.8	76.8	74.3	73.1	71.8	70.6	68.1
7.5°	132.5	131.3	128.8	127.5	126.3	125.1	121.4	120.1	116.4	106.5	81.7
10°	168.4	162.2	162.2	153.5	148.6	143.6	138.7	136.2	136.2	127.5	121.4
12.5°	201.8	203.1	204.3	205.6	201.8	199.4	195.6	190.7	157.3	149.8	149.8
15°	268.7	266.2	262.5	243.9	216.7	211.7	201.8	203.1	220.4	209.3	178.3
17.5°	278.6	278.6	276.1	272.4	267.5	258.8	260.0	252.6	229.1	224.1	222.9
20°	359.1	359.1	354.2	341.8	313.3	272.4	281.1	271.2	272.4	267.5	253.8
22.5°	390.1	391.3	381.4	367.8	348.0	345.5	325.7	284.8	297.2	289.8	293.5
25°	494.1	491.6	478.0	449.5	423.5	362.8	334.3	340.5	323.2	313.3	359.1
27.5°	608.0	605.5	556.0	499.0	458.2	416.1	396.3	360.3	367.8	376.4	391.3
30°	669.9	663.7	639.0	595.6	546.1	491.6	423.5	413.6	404.9	412.3	515.1
32.5°	809.8	808.6	775.2	723.2	662.5	559.7	502.7	482.9	461.9	523.8	598.1
35°	965.9	960.9	936.1	859.4	780.1	702.1	660.0	596.9	615.4	652.6	767.7
37.5°	1088.5	1088.5	1055.0	986.9	951.0	886.6	832.1	822.2	793.7	848.2	984.4
40°	1157.8	1165.2	1172.7	1149.1	1114.5	1087.2	1057.5	1037.7	1048.8	1074.8	1213.5
42.5°	1271.7	1285.3	1308.9	1297.7	1281.6	1287.8	1244.5	1255.6	1275.4	1315.1	1457.5
45°	1437.7	1448.8	1474.8	1494.6	1521.9	1507.0	1425.3	1483.5	1525.6	1551.6	1702.6
47.5°	1602.3	1623.4	1658.1	1687.8	1731.1	1716.3	1670.4	1695.2	1737.3	1764.6	1939.2
50°	1746.0	1765.8	1802.9	1847.5	1866.1	1902.0	1884.7	1897.1	1946.6	1968.9	2139.8
52.5°	1853.7	1863.6	1895.8	1946.6	1966.4	2022.1	2029.6	2028.3	2124.9	2159.6	2337.9
55°	1910.7	1920.6	1951.5	1991.2	2017.2	2092.7	2085.3	2106.3	2250.0	2315.6	2539.7
57.5°	1921.8	1934.2	1959.0	2008.5	2029.6	2118.7	2101.4	2150.9	2339.1	2474.1	2754.0
60°	1900.8	1914.4	1935.4	1982.5	2012.2	2097.7	2123.7	2191.8	2429.5	2646.2	3027.6
62.5°	1810.4	1831.4	1843.8	1894.6	1923.1	1994.9	2113.8	2240.1	2529.8	2808.4	3318.6
65°	1671.7	1682.8	1700.2	1737.3	1770.8	1842.6	2001.1	2184.3	2555.8	2910.0	3488.3
66°	1607.3	1617.2	1630.8	1664.3	1700.2	1767.0	1910.7	2091.5	2498.9	2905.0	3493.2
67.5°	1482.2	1487.2	1511.9	1538.0	1577.6	1619.7	1729.9	1909.4	2330.5	2780.0	3400.3
70°	1000.5	1016.6	1084.7	1175.1	1230.9	1224.7	1294.0	1452.5	1824.0	2259.9	2933.5
72.5°	470.5	475.5	484.2	520.1	725.6	767.7	816.0	952.2	1232.1	1573.9	2141.0
75°	385.1	390.1	404.9	423.5	466.8	517.6	534.9	588.2	791.3	975.8	1308.9
77.5°	131.3	135.0	144.9	172.1	263.8	330.6	390.1	485.4	595.6	693.4	858.1
80°	54.5	58.2	63.2	58.2	68.1	112.7	142.4	208.0	362.8	532.5	679.8
82.5°	29.7	31.0	34.7	32.2	39.6	52.0	55.7	60.7	87.9	178.3	381.4
85°	8.7	8.7	9.9	16.1	23.5	34.7	34.7	33.4	33.4	50.8	95.3
87.5°	2.5	2.5	3.7	5.0	7.4	12.4	14.9	14.9	16.1	21.1	31.0
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2.5°	59.4	59.4	59.4	59.4	58.2	58.2	54.5	49.5	44.6	39.6	35.9
5°	66.9	63.2	61.9	61.9	58.2	58.2	57.0	53.2	40.9	34.7	31.0
7.5°	75.5	70.6	68.1	68.1	64.4	59.4	57.0	54.5	42.1	33.4	29.7
10°	118.9	99.1	85.4	81.7	76.8	70.6	66.9	66.9	49.5	39.6	35.9
12.5°	144.9	137.4	128.8	122.6	89.2	80.5	76.8	66.9	52.0	38.4	33.4
15°	165.9	154.8	144.9	142.4	141.2	107.7	92.9	84.2	60.7	49.5	40.9
17.5°	239.0	190.7	174.6	173.4	157.3	118.9	102.8	84.2	65.6	49.5	40.9
20°	252.6	234.0	208.0	213.0	215.5	188.2	147.4	115.2	86.7	65.6	49.5
22.5°	324.4	314.5	298.4	293.5	246.4	215.5	159.7	135.0	94.1	65.6	49.5
25°	371.5	365.3	386.3	382.6	355.4	299.7	219.2	161.0	117.6	75.5	55.7
27.5°	463.1	492.8	452.0	464.4	412.3	360.3	288.5	199.4	125.1	79.3	57.0
30°	526.3	568.4	595.6	588.2	521.3	419.8	320.7	225.4	136.2	79.3	59.4
32.5°	661.2	689.7	694.7	679.8	640.2	530.0	383.9	258.8	142.4	81.7	63.2
35°	786.3	858.1	856.9	859.4	780.1	652.6	464.4	278.6	152.3	81.7	63.2
37.5°	1027.8	1067.4	1062.5	1061.2	973.3	797.5	547.3	336.8	163.5	81.7	61.9
40°	1260.6	1308.9	1307.6	1294.0	1201.1	970.8	687.2	383.9	174.6	84.2	58.2
42.5°	1485.9	1508.2	1545.4	1550.3	1391.8	1170.2	829.7	448.3	187.0	86.7	55.7
45°	1721.2	1696.5	1767.0	1762.1	1616.0	1381.9	951.0	523.8	206.8	84.2	52.0
47.5°	1959.0	1954.0	2014.7	1970.1	1861.1	1634.5	1124.4	604.3	219.2	80.5	48.3
50°	2169.5	2209.1	2214.1	2148.4	2092.7	1882.2	1353.4	712.0	243.9	74.3	45.8
52.5°	2354.0	2418.4	2354.0	2340.4	2337.9	2079.1	1546.6	808.6	267.5	68.1	42.1
55°	2584.3	2631.4	2596.7	2601.6	2626.4	2413.4	1784.4	986.9	308.3	61.9	38.4
57.5°	2879.0	2973.1	2953.3	3040.0	3044.9	2886.4	2122.4	1190.0	356.6	57.0	34.7
60°	3270.3	3501.9	3614.6	3711.1	3599.7	3401.6	2497.6	1358.4	395.0	52.0	31.0
62.5°	3719.8	4101.2	4301.8	4410.8	4103.7	3680.2	2649.9	1430.2	403.7	45.8	27.2
65°	3977.4	4454.1	4721.6	4729.0	4435.5	3764.4	2672.2	1427.7	395.0	39.6	23.5
66°	4000.9	4499.9	4763.7	4741.4	4495.0	3774.3	2657.4	1405.5	386.3	37.1	22.3
67.5°	3915.5	4414.5	4675.8	4633.7	4459.1	3718.6	2559.5	1348.5	369.0	33.4	21.1
70°	3469.7	3917.9	4182.9	4126.0	4138.4	3390.4	2148.4	1150.4	322.0	27.2	18.6
72.5°	2735.4	3239.4	3355.8	3313.7	3389.2	2507.5	1518.1	807.4	240.2	22.3	16.1
75°	1835.1	2339.1	2419.6	2386.2	2148.4	1263.1	603.0	340.5	125.1	18.6	13.6
77.5°	1105.8	1473.6	1452.5	1456.2	1150.4	512.7	113.9	79.3	42.1	14.9	9.9
80°	808.6	1022.8	1064.9	1090.9	902.7	335.6	63.2	47.1	24.8	11.1	7.4
82.5°	656.3	916.3	1019.1	1029.0	817.3	266.2	48.3	37.1	18.6	8.7	5.0
85°	179.6	468.1	578.3	548.6	348.0	90.4	34.7	24.8	12.4	6.2	5.0
87.5°	42.1	106.5	135.0	138.7	99.1	33.4	29.7	23.5	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°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2.5°	34.7	33.4	32.2	31.0	31.0	29.7	29.7	29.7	28.5	29.7	29.7
5°	29.7	28.5	27.2	26.0	24.8	24.8	24.8	26.0	27.2	27.2	27.2
7.5°	28.5	26.0	24.8	24.8	24.8	17.3	12.4	11.1	11.1	11.1	12.4
10°	29.7	26.0	27.2	14.9	9.9	9.9	9.9	9.9	9.9	13.6	16.1
12.5°	31.0	28.5	16.1	14.9	13.6	12.4	14.9	13.6	13.6	14.9	14.9
15°	35.9	22.3	17.3	14.9	17.3	18.6	17.3	16.1	13.6	13.6	16.1
17.5°	29.7	22.3	19.8	22.3	22.3	18.6	16.1	18.6	18.6	17.3	16.1
20°	35.9	31.0	27.2	23.5	21.1	19.8	21.1	18.6	17.3	17.3	18.6
22.5°	38.4	33.4	34.7	31.0	28.5	22.3	21.1	18.6	19.8	18.6	18.6
25°	47.1	47.1	40.9	32.2	29.7	26.0	24.8	19.8	19.8	17.3	18.6
27.5°	50.8	45.8	40.9	37.1	33.4	26.0	24.8	21.1	18.6	18.6	16.1
30°	53.2	47.1	42.1	37.1	32.2	28.5	24.8	21.1	18.6	17.3	17.3
32.5°	57.0	49.5	40.9	34.7	31.0	26.0	24.8	19.8	17.3	14.9	14.9
35°	53.2	45.8	39.6	34.7	28.5	24.8	22.3	18.6	14.9	14.9	13.6
37.5°	49.5	42.1	35.9	32.2	27.2	22.3	19.8	16.1	13.6	12.4	12.4
40°	47.1	39.6	33.4	28.5	23.5	19.8	17.3	13.6	11.1	9.9	9.9
42.5°	43.3	35.9	29.7	24.8	21.1	17.3	14.9	11.1	8.7	7.4	7.4
45°	40.9	33.4	27.2	22.3	17.3	14.9	11.1	8.7	6.2	5.0	5.0
47.5°	38.4	31.0	23.5	18.6	14.9	12.4	8.7	6.2	3.7	3.7	2.5
50°	34.7	27.2	21.1	16.1	12.4	9.9	6.2	3.7	2.5	1.2	1.2
52.5°	32.2	23.5	18.6	13.6	9.9	7.4	5.0	2.5	1.2	1.2	1.2
55°	28.5	21.1	16.1	11.1	8.7	5.0	2.5	1.2	1.2	1.2	1.2
57.5°	24.8	17.3	13.6	9.9	6.2	3.7	2.5	1.2	1.2	1.2	0.0
60°	21.1	14.9	11.1	7.4	5.0	2.5	1.2	1.2	1.2	1.2	0.0
62.5°	18.6	12.4	8.7	6.2	3.7	2.5	1.2	1.2	1.2	1.2	0.0
65°	16.1	9.9	7.4	5.0	2.5	2.5	1.2	1.2	1.2	1.2	0.0
66°	14.9	9.9	6.2	3.7	2.5	2.5	1.2	1.2	1.2	1.2	0.0
67.5°	13.6	8.7	6.2	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2
70°	12.4	7.4	5.0	3.7	2.5	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	11.1	6.2	3.7	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2
75°	7.4	3.7	3.7	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5
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°	5.0	3.7	3.7	3.7	3.7	3.7	1.2	3.7	3.7	3.7	2.5
82.5°	3.7	3.7	3.7	3.7	5.0	5.0	1.2	5.0	5.0	3.7	3.7
85°	3.7	3.7	3.7	5.0	5.0	6.2	1.2	5.0	5.0	5.0	5.0
87.5°	3.7	5.0	5.0	5.0	6.2	6.2	2.5	6.2	6.2	6.2	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°	45.8	45.8	45.8	45.8	45.8
2.5°	29.7	31.0	31.0	32.2	32.2
5°	24.8	24.8	22.3	22.3	21.1
7.5°	12.4	12.4	13.6	13.6	13.6
10°	17.3	18.6	18.6	18.6	19.8
12.5°	14.9	16.1	17.3	17.3	17.3
15°	17.3	18.6	19.8	19.8	19.8
17.5°	16.1	16.1	17.3	17.3	18.6
20°	18.6	18.6	18.6	18.6	18.6
22.5°	16.1	16.1	18.6	19.8	19.8
25°	18.6	17.3	17.3	18.6	17.3
27.5°	16.1	17.3	18.6	18.6	18.6
30°	16.1	16.1	16.1	16.1	17.3
32.5°	16.1	16.1	16.1	16.1	16.1
35°	13.6	14.9	14.9	16.1	16.1
37.5°	12.4	12.4	13.6	13.6	13.6
40°	9.9	9.9	9.9	11.1	11.1
42.5°	7.4	7.4	7.4	8.7	7.4
45°	5.0	5.0	5.0	5.0	5.0
47.5°	2.5	2.5	3.7	3.7	3.7
50°	1.2	1.2	2.5	2.5	2.5
52.5°	1.2	1.2	1.2	2.5	2.5
55°	1.2	1.2	1.2	1.2	2.5
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
66°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	2.5
72.5°	1.2	1.2	2.5	1.2	2.5
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.5	3.7	3.7	2.5	2.5
82.5°	3.7	3.7	3.7	3.7	2.5
85°	3.7	3.7	5.0	5.0	2.5
87.5°	5.0	5.0	5.0	5.0	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)