

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: P179228

Luminaire Tested: **UTLD-E01-LED-E-U-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179228
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34324)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-SL2-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1370.7 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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

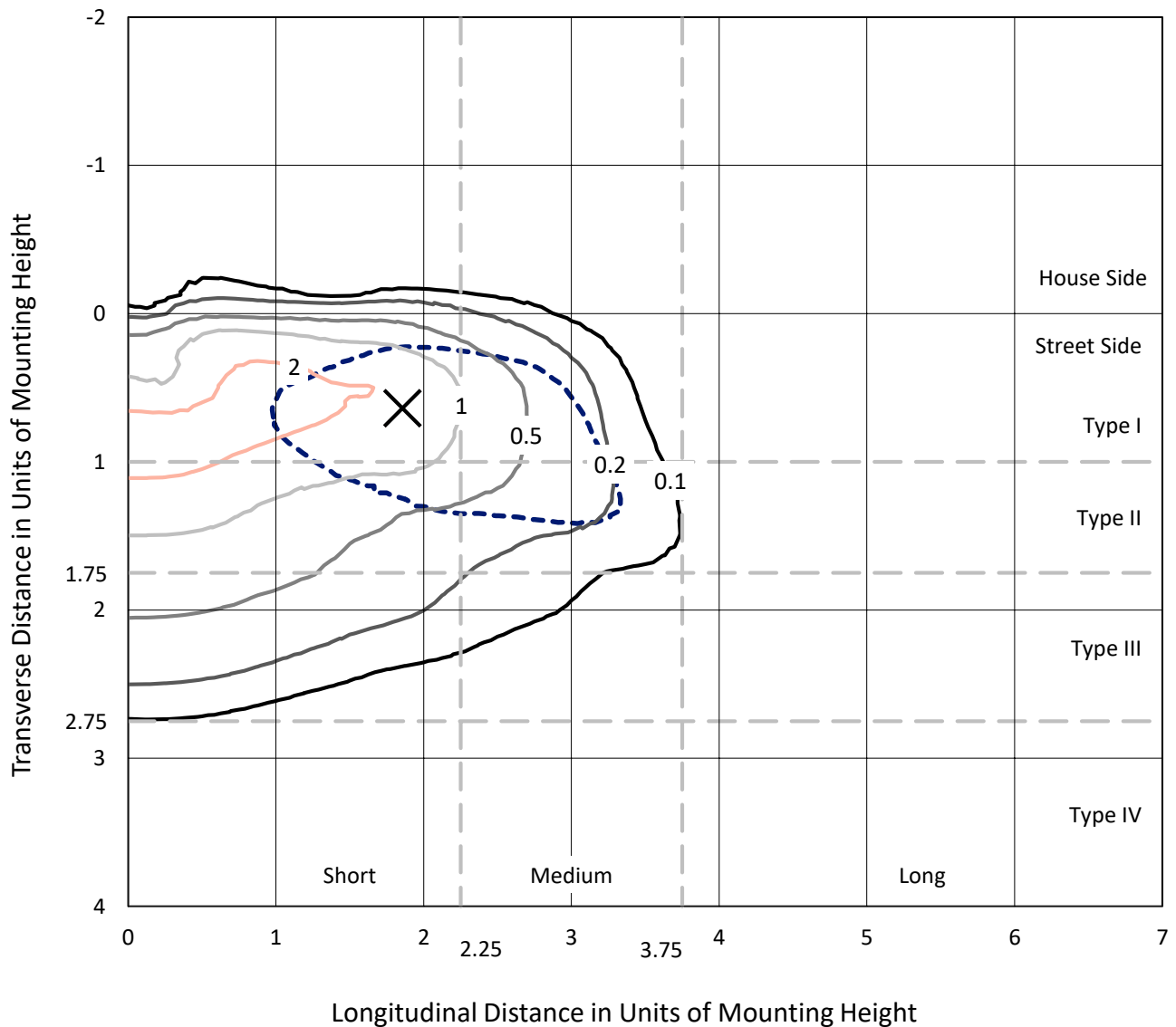


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

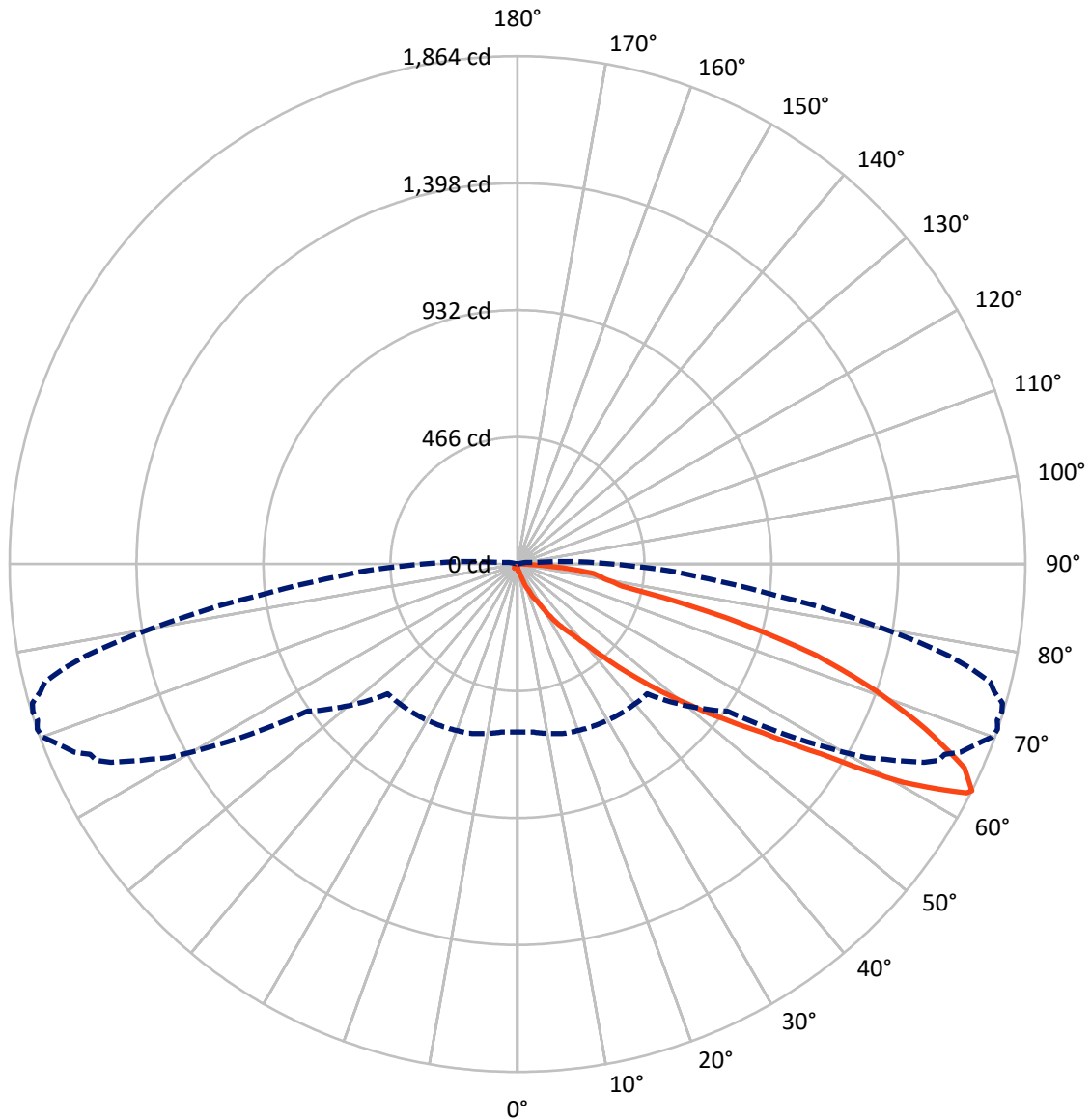


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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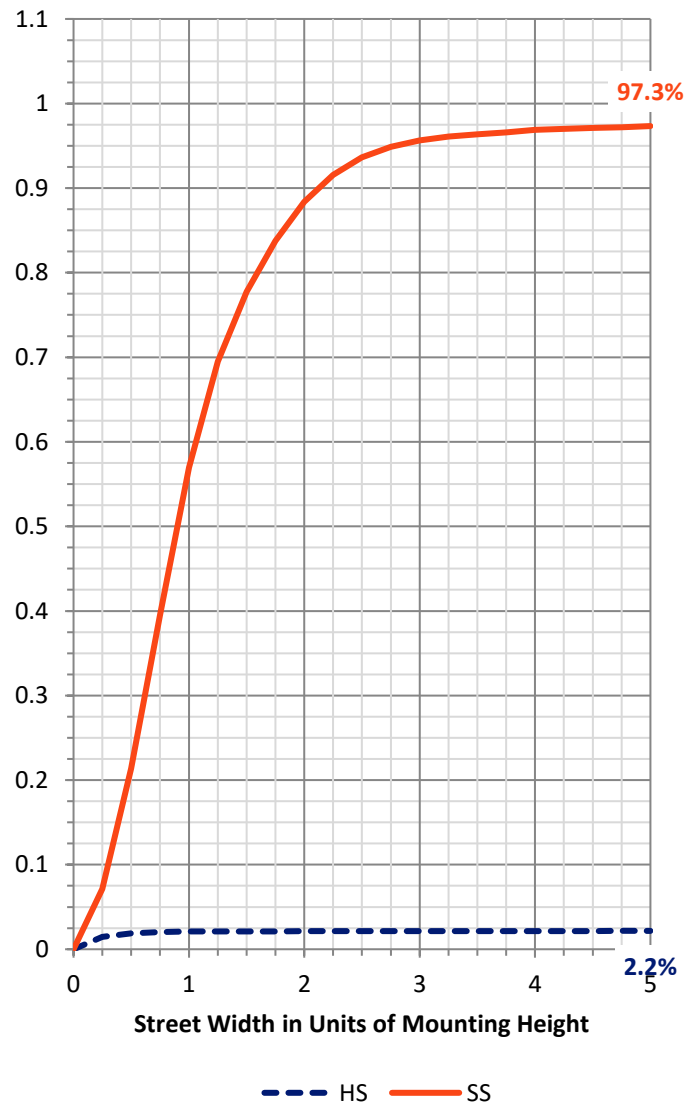
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.4	0.0	30.4
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1340.3	0.0	1340.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	1370.7	0.0	1370.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	10.9	0.8
20°-30°	33.3	2.4
30°-40°	102.5	7.5
40°-50°	243.6	17.8
50°-60°	351.9	25.7
60°-70°	435.5	31.8
70°-80°	165.3	12.1
80°-90°	25.8	1.9
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°	1370.7	100.0
0°-180°	1370.7	100.0



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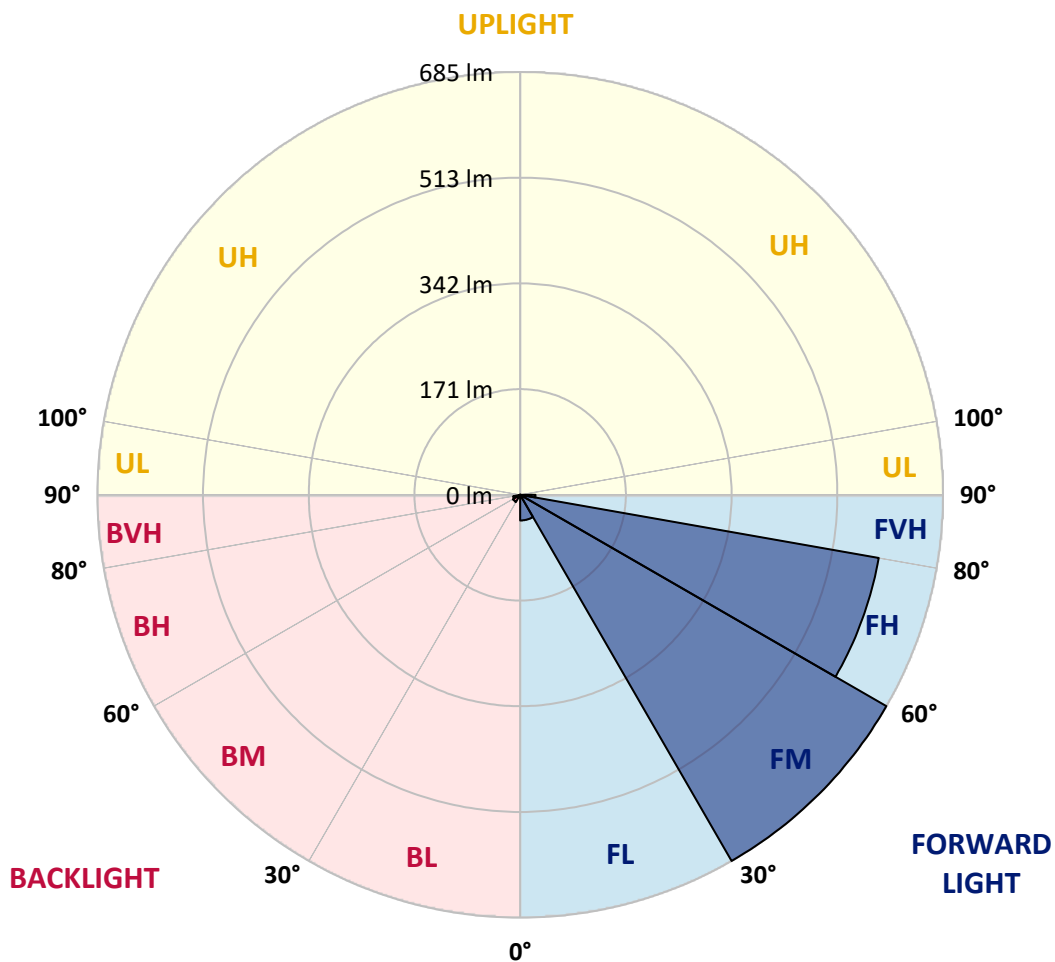
CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	41.5	3.0			
FM (30°-60°)	684.5	49.9			
FH (60°-80°)	589.4	43.0			G0/660
FVH (80°-90°)	24.9	1.8			G1/100
BL (0°-30°)	4.5	0.3	B0/110		
BM (30°-60°)	13.5	1.0	B0/220		
BH (60°-80°)	11.4	0.8	B0/110		G0/110
BVH (80°-90°)	0.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	26.2	25.7	24.9	24.9	24.5	24.5	24.1	23.6	23.6	23.6	23.2
5°	30.8	30.4	29.1	27.9	27.9	27.0	25.3	24.9	24.5	24.1	24.1
7.5°	50.2	49.8	49.0	47.7	45.6	31.2	27.9	27.4	27.0	26.6	26.2
10°	56.1	56.1	55.7	54.0	51.9	48.5	44.3	32.1	31.2	31.6	32.9
12.5°	75.5	73.4	74.7	72.6	61.2	57.4	58.7	54.4	53.6	53.2	41.4
15°	80.6	78.5	74.7	75.1	76.8	81.4	66.3	62.5	60.3	59.1	59.1
17.5°	88.6	88.6	89.0	89.0	85.7	87.4	86.1	76.4	76.0	74.3	73.8
20°	108.9	108.0	96.2	90.7	100.0	102.1	102.5	88.2	85.2	84.8	87.4
22.5°	115.2	114.4	112.3	114.4	102.5	115.2	132.5	132.1	128.7	127.0	116.5
25°	146.9	145.6	138.0	118.2	126.2	126.6	143.5	144.7	143.9	146.9	155.7
27.5°	169.6	171.3	154.0	141.4	132.9	151.1	182.7	186.5	186.5	182.3	182.7
30°	216.1	215.2	196.2	164.2	160.4	162.5	201.3	214.4	225.3	218.6	226.2
32.5°	310.6	306.4	277.3	218.6	192.0	200.9	241.4	257.0	254.5	250.7	257.4
35°	447.3	444.4	384.4	328.3	276.0	255.3	285.3	311.4	305.9	318.2	322.8
37.5°	543.5	535.9	510.2	453.6	402.6	368.4	381.1	370.9	369.7	378.1	377.3
40°	614.4	614.8	606.0	560.0	522.9	503.9	505.6	468.0	465.5	468.4	462.5
42.5°	649.0	652.0	659.2	636.4	621.2	623.3	640.2	608.5	607.3	599.7	576.9
45°	670.1	673.9	695.9	703.5	698.8	719.9	765.9	740.2	742.3	749.0	716.5
47.5°	672.7	678.1	706.8	729.6	748.2	790.8	861.3	867.2	873.5	879.0	855.0
50°	647.8	649.9	686.2	719.1	746.5	826.7	933.9	970.6	982.0	982.0	961.7
52.5°	602.6	605.6	640.2	676.0	702.2	825.0	980.7	1047.4	1072.7	1073.6	1044.4
55°	583.2	586.6	612.7	644.4	657.5	784.1	1009.4	1117.0	1143.6	1148.2	1130.9
57.5°	583.2	587.0	608.1	626.7	633.4	736.4	1026.7	1198.5	1228.4	1257.1	1256.3
60°	609.4	613.6	630.5	629.2	622.9	702.6	1019.1	1298.1	1346.6	1394.7	1450.0
62.5°	624.6	626.7	649.9	656.6	655.4	677.7	959.6	1372.3	1447.4	1517.5	1637.3
63°	616.1	618.6	644.4	656.6	667.6	673.9	943.2	1380.3	1465.2	1527.2	1660.1
65°	570.5	571.0	598.4	613.6	687.9	673.5	855.0	1364.7	1468.5	1530.2	1678.3
67.5°	452.0	454.5	473.5	499.2	568.0	683.6	734.7	1185.8	1290.9	1340.3	1505.3
70°	238.0	248.6	264.2	298.4	392.5	580.7	614.8	873.5	975.2	1048.7	1238.1
72.5°	72.2	67.1	87.4	127.9	199.6	401.7	539.3	617.0	675.6	748.6	950.3
75°	32.5	33.3	38.0	54.4	87.4	215.6	471.4	506.8	514.8	539.7	662.1
77.5°	18.6	19.0	22.4	30.8	45.6	107.6	357.0	454.5	448.2	457.0	479.4
80°	12.2	12.7	16.0	21.9	25.3	52.7	202.6	354.5	375.2	397.9	414.4
82.5°	6.8	6.8	10.1	17.7	16.5	25.3	79.8	232.1	269.2	292.9	342.2
85°	3.0	3.4	5.9	11.8	10.1	11.8	38.4	78.9	90.3	94.9	118.2
87.5°	0.8	0.8	1.7	4.2	4.2	5.5	11.4	35.4	37.6	40.5	49.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	23.2	23.2	22.4	21.9	20.7	20.7	19.8	20.3	19.0	18.6	17.7
5°	23.6	23.6	23.6	23.6	23.2	23.2	23.2	23.2	23.2	23.2	22.8
7.5°	25.7	25.7	25.7	25.7	25.3	24.9	24.1	24.1	23.6	23.6	23.6
10°	32.9	32.5	31.6	31.2	30.8	30.4	29.5	30.0	29.1	29.5	28.7
12.5°	39.2	38.4	37.1	35.9	35.4	35.0	34.2	33.8	33.3	34.2	33.8
15°	61.2	60.8	61.2	59.1	48.1	47.7	48.1	47.3	46.4	45.2	43.5
17.5°	73.0	71.7	67.5	65.8	66.3	65.0	61.6	54.9	51.1	49.4	48.5
20°	93.7	94.1	94.9	94.9	93.3	91.2	89.0	88.6	86.1	77.2	73.8
22.5°	112.3	112.3	110.1	108.0	105.5	105.9	103.0	96.2	94.1	91.6	90.3
25°	161.2	158.7	152.8	150.7	148.5	143.1	135.9	132.1	130.8	129.1	123.6
27.5°	182.3	178.9	177.7	175.1	167.5	158.7	155.7	153.6	155.7	145.6	138.4
30°	220.7	220.3	219.0	213.5	204.2	197.1	197.5	195.4	181.5	170.9	164.2
32.5°	259.9	257.0	267.1	257.0	248.6	251.5	247.7	234.6	224.9	214.0	212.7
35°	321.6	321.6	313.1	302.1	303.4	305.5	287.4	273.9	267.5	262.9	253.6
37.5°	378.1	375.6	360.0	354.1	360.8	349.0	328.7	319.9	317.8	309.7	295.0
40°	454.9	439.7	427.9	426.6	425.8	398.4	387.0	387.8	376.8	360.8	343.9
42.5°	560.4	535.9	527.1	527.9	497.5	475.6	471.4	460.8	446.5	428.3	413.1
45°	681.9	658.3	658.7	632.1	593.7	574.8	570.5	554.1	536.4	515.3	493.3
47.5°	814.0	797.1	805.6	752.4	718.7	707.7	680.7	654.9	634.3	608.5	581.1
50°	933.0	941.9	923.3	876.9	852.4	837.7	806.0	773.9	747.4	708.1	671.0
52.5°	1044.4	1061.3	1032.2	989.6	993.0	964.7	940.2	907.7	872.3	825.8	786.6
55°	1155.8	1159.6	1135.6	1121.7	1120.8	1102.7	1091.7	1068.5	1020.8	974.0	956.2
57.5°	1296.4	1291.7	1274.8	1296.8	1298.5	1304.4	1316.2	1292.2	1277.8	1243.6	1216.2
60°	1499.3	1495.6	1503.1	1567.7	1580.8	1620.0	1628.5	1629.3	1617.1	1628.1	1561.4
62.5°	1678.7	1693.9	1743.3	1773.2	1804.0	1842.0	1850.5	1834.8	1842.9	1843.7	1791.8
63°	1704.9	1716.7	1767.7	1793.5	1823.0	1854.7	1864.0	1852.1	1859.3	1852.1	1812.9
65°	1716.3	1721.7	1781.7	1774.9	1812.5	1826.4	1802.8	1798.1	1824.7	1786.7	1779.6
67.5°	1547.9	1581.2	1621.3	1621.3	1650.4	1647.5	1615.8	1622.6	1623.0	1608.2	1604.4
70°	1294.3	1361.8	1370.2	1400.6	1420.9	1403.1	1396.4	1401.0	1365.6	1373.6	1338.1
72.5°	1029.7	1102.3	1115.8	1172.3	1178.2	1138.1	1147.8	1120.0	1081.2	1057.1	1008.1
75°	749.5	795.5	835.6	851.6	852.0	814.0	797.6	733.4	676.5	608.1	589.9
77.5°	523.3	518.2	533.4	524.5	465.0	446.0	392.5	361.2	332.1	281.5	253.6
80°	422.8	418.2	425.4	406.4	380.6	359.1	320.7	292.0	259.5	237.6	203.8
82.5°	360.8	379.8	384.4	357.4	344.3	326.2	281.9	250.7	219.0	190.7	164.2
85°	137.6	164.2	162.0	168.8	169.2	159.9	140.9	111.8	88.6	71.7	58.2
87.5°	53.2	59.5	55.7	55.3	55.7	51.1	43.5	38.4	32.5	26.2	21.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	17.3	16.5	16.5	15.6	15.6	15.2	15.2	14.8	14.8	14.3	14.3
5°	22.8	22.8	22.4	21.5	19.4	18.6	16.9	15.6	15.2	14.8	14.3
7.5°	23.6	23.6	23.2	23.2	22.8	22.4	21.9	20.7	18.6	16.9	15.6
10°	28.7	27.9	28.3	29.1	28.7	28.7	28.3	27.9	27.0	26.2	21.1
12.5°	33.3	32.9	32.1	30.4	29.5	29.1	29.1	28.7	28.3	27.9	27.0
15°	42.2	40.9	40.5	39.2	38.4	37.1	37.6	37.1	36.3	34.6	30.8
17.5°	46.8	46.0	44.7	45.2	44.3	41.8	37.6	36.3	35.0	33.8	32.5
20°	72.6	71.3	68.8	64.6	59.5	57.0	54.9	52.7	53.2	52.7	49.4
22.5°	84.8	77.2	72.6	69.2	67.9	67.9	66.3	67.1	61.6	59.9	52.7
25°	113.9	108.5	102.5	99.2	97.5	93.7	86.5	81.4	76.0	74.3	68.8
27.5°	136.3	131.2	131.2	125.8	116.5	109.3	102.1	97.9	91.2	86.5	80.6
30°	164.2	157.8	149.8	139.7	130.8	124.1	119.0	108.9	102.5	96.2	84.4
32.5°	205.1	193.3	183.1	173.9	165.8	152.3	144.3	135.9	122.8	109.3	103.4
35°	243.1	228.3	216.9	207.2	190.7	181.5	169.2	150.2	136.3	129.6	116.0
37.5°	280.2	266.3	255.3	236.3	221.5	205.9	185.7	171.8	159.5	142.6	124.1
40°	328.7	313.1	290.8	274.3	254.9	228.7	213.5	196.6	176.0	155.3	139.7
42.5°	392.5	367.6	349.4	328.7	293.3	276.4	255.7	225.8	199.6	181.0	155.3
45°	469.3	443.5	424.1	383.6	357.9	332.1	300.9	265.9	239.7	210.6	188.6
47.5°	550.7	533.0	491.6	451.1	425.8	387.4	351.5	315.2	278.9	253.2	213.5
50°	652.4	607.7	562.1	533.0	492.0	449.0	406.8	360.8	329.2	289.5	251.1
52.5°	754.1	692.5	659.6	616.5	560.8	511.5	462.5	417.8	373.0	330.4	284.8
55°	891.3	829.6	780.3	718.2	654.9	598.4	547.8	492.5	443.5	388.7	338.9
57.5°	1141.9	1074.0	1003.1	910.2	833.0	764.7	696.3	630.9	557.9	498.8	438.5
60°	1516.7	1445.3	1347.9	1239.4	1120.0	1013.6	916.2	818.2	727.9	655.4	562.1
62.5°	1763.1	1689.7	1599.4	1470.7	1344.5	1203.5	1082.0	946.1	845.3	741.0	654.9
63°	1787.6	1709.5	1618.8	1496.8	1363.5	1231.4	1108.2	960.0	856.7	752.0	663.0
65°	1750.0	1701.5	1617.1	1515.0	1411.6	1282.9	1148.2	1002.7	885.8	779.4	675.2
67.5°	1563.9	1541.5	1486.7	1431.0	1338.6	1249.1	1125.9	997.6	873.5	772.7	676.5
70°	1324.6	1293.8	1250.8	1228.4	1164.7	1088.7	1003.9	903.5	814.0	714.9	627.5
72.5°	990.0	929.2	894.6	857.1	816.6	763.4	714.0	657.5	584.9	532.1	444.4
75°	518.2	450.7	404.7	350.7	307.2	262.9	239.3	223.2	198.8	171.8	151.9
77.5°	210.2	175.6	141.8	120.7	90.7	72.6	62.0	54.9	50.6	45.2	41.8
80°	176.4	140.9	113.5	86.1	63.3	46.0	34.2	26.6	22.8	19.8	18.1
82.5°	142.6	122.4	101.7	80.2	61.6	49.8	36.7	26.2	19.0	15.2	13.1
85°	45.6	40.1	31.2	26.2	21.5	18.1	15.2	12.2	11.0	10.1	9.3
87.5°	19.0	14.8	13.5	12.2	11.8	11.4	11.4	10.5	9.7	8.4	7.6
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	13.9	13.9	13.5	13.9	13.1	12.2	11.8	11.4	11.0	11.0	11.0
5°	14.3	13.9	13.5	13.1	11.8	11.0	10.1	9.3	10.5	9.3	6.3
7.5°	14.8	14.3	13.5	13.1	11.8	10.5	9.7	5.9	3.8	3.8	4.2
10°	19.8	18.6	18.1	16.9	15.6	11.4	7.2	3.8	3.4	5.1	5.9
12.5°	21.5	20.3	19.0	17.7	14.8	12.2	5.9	5.1	6.3	5.1	5.5
15°	29.1	24.9	23.6	22.4	19.8	14.3	6.8	6.8	6.3	5.5	6.3
17.5°	32.1	27.4	26.2	25.3	19.4	9.3	7.6	8.0	6.3	7.2	5.9
20°	46.4	41.4	37.6	35.9	26.2	13.5	10.5	7.6	8.0	6.3	7.2
22.5°	53.2	49.4	45.6	44.7	29.5	14.8	12.2	10.5	7.6	7.6	6.8
25°	65.8	60.8	54.4	49.0	31.2	18.6	14.8	10.5	8.9	7.2	6.8
27.5°	74.7	66.3	60.8	57.4	33.8	19.4	14.3	11.8	8.9	6.8	5.9
30°	78.1	73.4	65.8	57.4	34.2	20.3	15.2	11.4	8.9	6.8	6.3
32.5°	95.4	84.8	73.8	67.5	36.7	21.5	14.8	11.4	8.4	6.3	5.9
35°	102.1	92.0	80.2	71.3	38.4	20.7	14.3	10.1	7.6	5.9	4.6
37.5°	113.1	98.3	86.9	76.0	38.8	19.4	13.1	9.7	6.8	5.1	4.2
40°	121.1	108.9	92.0	79.8	38.8	18.1	12.2	8.4	5.9	4.2	3.4
42.5°	140.1	118.6	101.7	87.4	39.7	16.5	11.0	7.2	5.1	3.0	2.5
45°	160.4	139.7	117.3	100.0	40.5	15.2	9.7	6.3	3.8	2.1	1.3
47.5°	189.1	162.0	136.7	114.8	40.9	13.9	8.9	5.5	3.0	1.3	0.8
50°	216.5	187.4	156.6	134.2	41.8	12.7	7.6	4.6	2.1	0.8	0.4
52.5°	248.6	212.7	181.5	149.8	42.2	11.8	6.8	3.8	1.3	0.4	0.0
55°	294.1	256.2	212.3	178.9	43.0	10.5	5.5	3.0	0.8	0.4	0.0
57.5°	384.9	333.4	279.4	231.3	47.3	9.3	4.6	2.1	0.4	0.4	0.0
60°	495.4	438.0	366.7	297.1	55.7	8.0	3.8	1.3	0.4	0.0	0.0
62.5°	575.6	501.8	416.9	341.8	61.6	6.8	3.4	0.8	0.4	0.4	0.0
63°	588.7	508.9	420.7	344.8	62.0	6.8	3.0	0.8	0.4	0.0	0.0
65°	598.4	515.7	425.8	349.4	63.3	5.9	2.5	0.8	0.4	0.4	0.0
67.5°	590.4	500.9	413.6	340.6	64.1	5.1	2.1	0.8	0.4	0.4	0.4
70°	535.5	455.8	379.4	311.0	59.5	4.2	1.7	0.8	0.4	0.4	0.4
72.5°	384.9	343.1	273.0	224.5	45.6	3.8	1.7	1.3	0.4	0.8	0.8
75°	129.6	116.0	96.6	85.7	26.6	2.5	1.3	1.3	0.4	0.8	0.8
77.5°	37.1	34.6	30.0	27.4	13.5	2.1	1.3	1.3	0.4	1.3	1.3
80°	16.0	14.8	13.1	11.4	5.9	1.7	1.3	1.7	0.4	1.7	1.3
82.5°	11.8	10.5	9.3	7.6	3.4	1.7	1.7	2.1	0.4	1.7	1.7
85°	8.4	7.6	6.3	5.5	2.5	1.7	1.7	2.1	0.8	2.1	2.1
87.5°	6.8	5.9	5.1	3.8	2.5	1.7	1.7	2.5	0.8	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P179228

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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	13.9	13.9	13.9
2.5°	11.0	11.4	11.4
5°	5.5	5.9	5.9
7.5°	4.6	5.1	5.1
10°	6.3	6.3	6.3
12.5°	5.9	6.3	6.3
15°	6.8	7.2	7.2
17.5°	5.9	7.6	8.0
20°	6.8	6.8	6.8
22.5°	6.8	7.2	7.2
25°	6.3	6.3	6.3
27.5°	6.3	6.3	6.3
30°	5.5	6.3	6.3
32.5°	5.5	5.5	5.5
35°	5.1	5.1	5.1
37.5°	4.2	4.6	4.6
40°	3.4	3.4	3.4
42.5°	2.1	2.1	2.1
45°	1.3	1.3	1.3
47.5°	0.8	0.8	0.8
50°	0.4	0.4	0.4
52.5°	0.4	0.4	0.4
55°	0.0	0.4	0.4
57.5°	0.0	0.0	0.4
60°	0.0	0.0	0.4
62.5°	0.0	0.0	0.4
63°	0.0	0.0	0.4
65°	0.4	0.0	0.4
67.5°	0.4	0.4	0.4
70°	0.4	0.4	0.4
72.5°	0.8	0.4	0.8
75°	0.8	0.8	0.8
77.5°	1.3	0.8	0.8
80°	1.3	1.3	0.8
82.5°	1.7	1.3	0.4
85°	1.7	1.7	0.8
87.5°	2.1	2.1	0.8
90°	0.0	0.0	0.0

(END OF REPORT)