

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: P179236

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179236
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-F01-LED-E-U-SL2-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1375.7 lumens
Efficiency: N/A
Efficacy: 53.1 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): 25.9
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

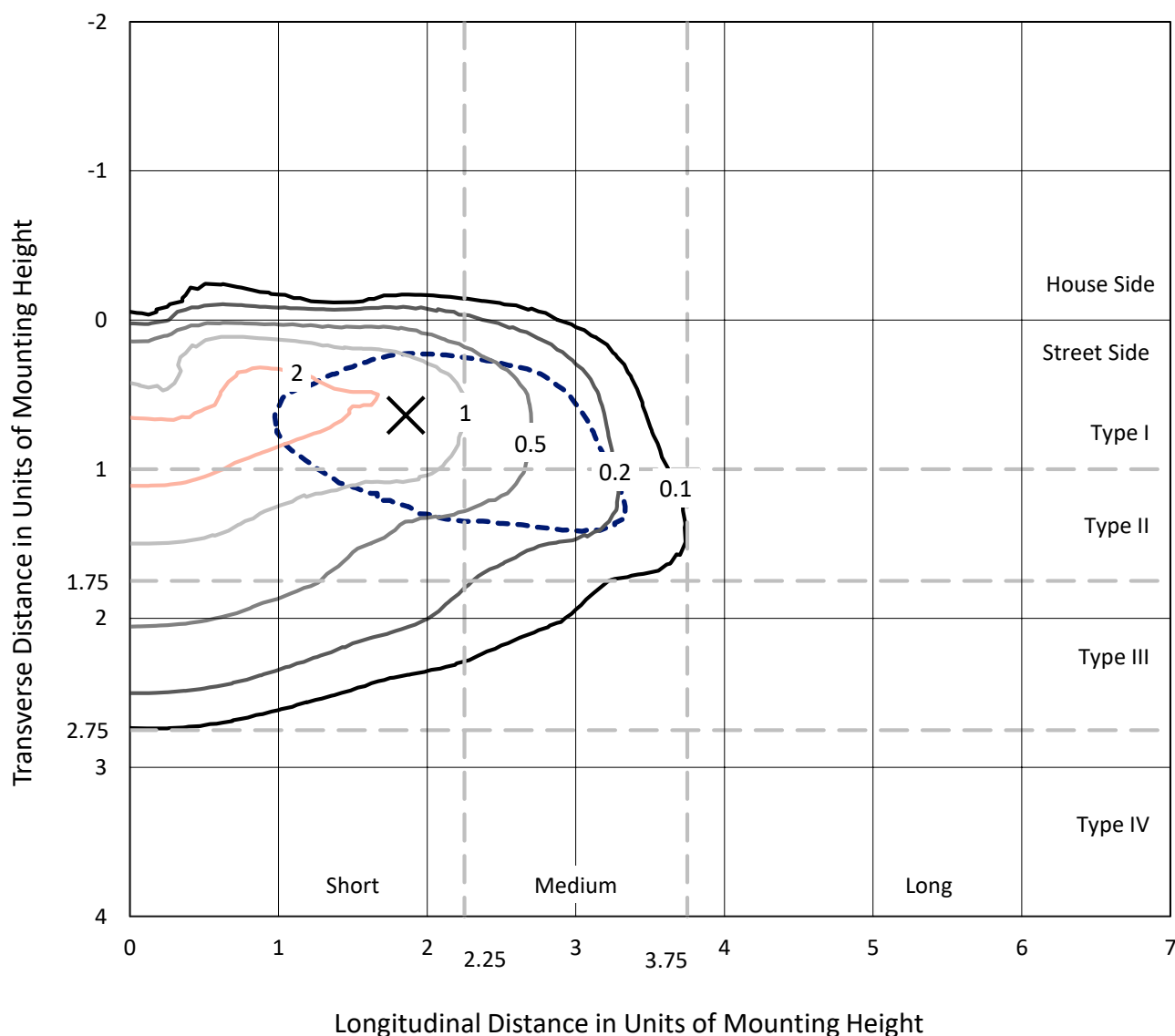


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

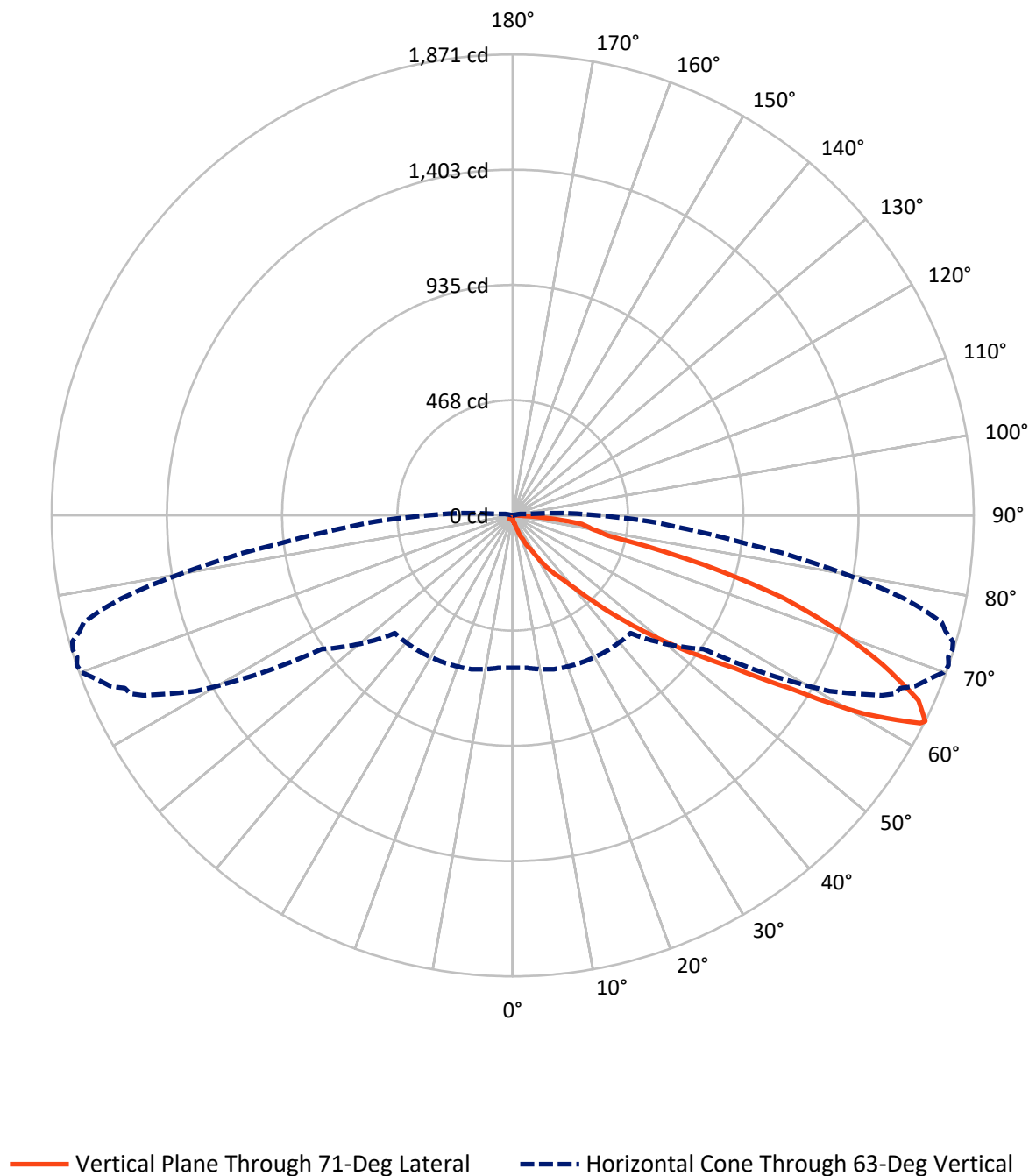


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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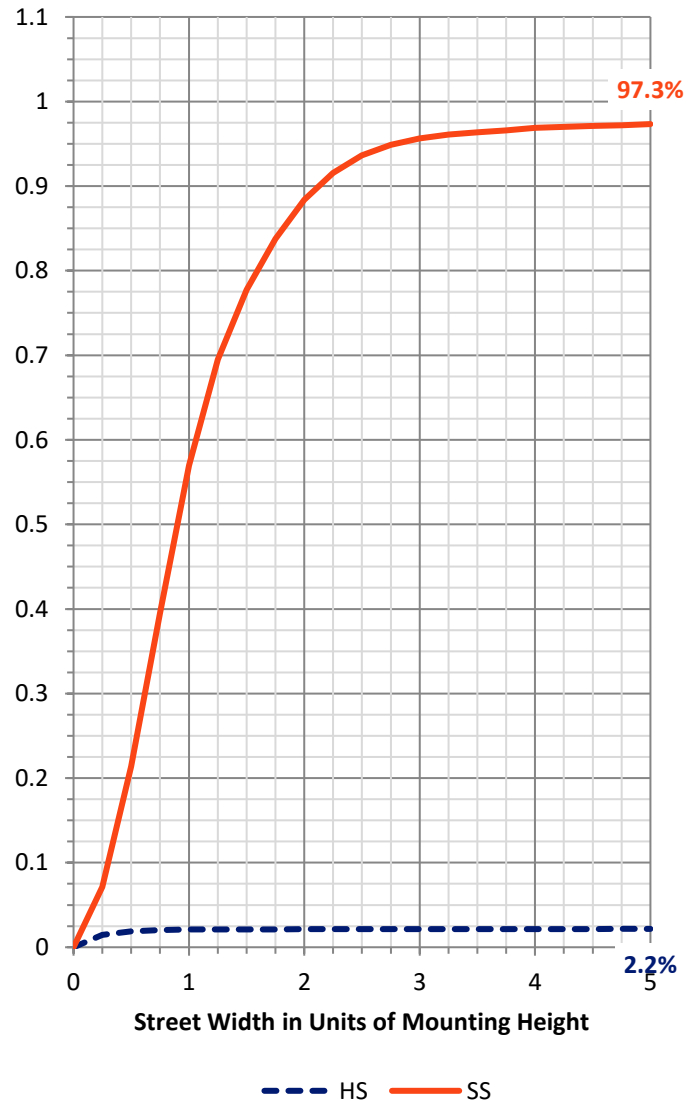
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.5	0.0	30.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1345.2	0.0	1345.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	1375.7	0.0	1375.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	10.9	0.8
20°-30°	33.4	2.4
30°-40°	102.9	7.5
40°-50°	244.5	17.8
50°-60°	353.2	25.7
60°-70°	437.1	31.8
70°-80°	165.9	12.1
80°-90°	25.9	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°	1375.7	100.0
0°-180°	1375.7	100.0

Coefficient of Utilization



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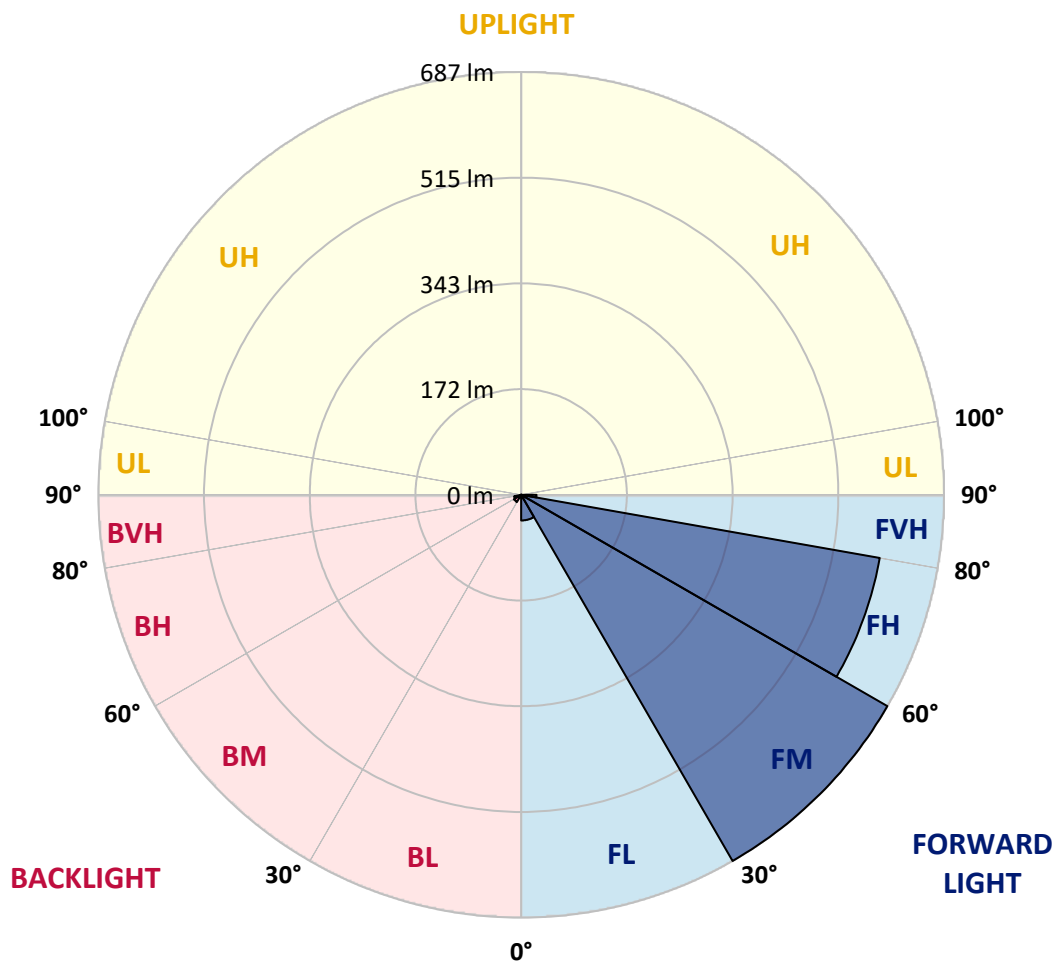
CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.7	3.0			
FM	(30°-60°)	687.0	49.9			
FH	(60°-80°)	591.5	43.0			G0/660
FVH	(80°-90°)	25.0	1.8			G1/100
BL	(0°-30°)	4.5	0.3	B0/110		
BM	(30°-60°)	13.6	1.0	B0/220		
BH	(60°-80°)	11.5	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°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	26.3	25.8	25.0	25.0	24.6	24.6	24.1	23.7	23.7	23.7	23.3
5°	30.9	30.5	29.2	28.0	28.0	27.1	25.4	25.0	24.6	24.1	24.1
7.5°	50.4	50.0	49.1	47.9	45.7	31.3	28.0	27.5	27.1	26.7	26.3
10°	56.3	56.3	55.9	54.2	52.1	48.7	44.5	32.2	31.3	31.8	33.0
12.5°	75.8	73.7	75.0	72.8	61.4	57.6	58.9	54.6	53.8	53.4	41.5
15°	80.9	78.8	75.0	75.4	77.1	81.7	66.5	62.7	60.6	59.3	59.3
17.5°	88.9	88.9	89.4	89.4	86.0	87.7	86.4	76.7	76.2	74.5	74.1
20°	109.3	108.4	96.6	91.1	100.4	102.5	102.9	88.5	85.6	85.1	87.7
22.5°	115.6	114.8	112.7	114.8	102.9	115.6	133.0	132.6	129.2	127.5	116.9
25°	147.4	146.1	138.5	118.6	126.6	127.1	144.0	145.3	144.4	147.4	156.3
27.5°	170.3	172.0	154.6	141.9	133.4	151.6	183.4	187.2	187.2	183.0	183.4
30°	216.9	216.0	196.9	164.8	160.9	163.1	202.0	215.2	226.2	219.4	227.0
32.5°	311.7	307.5	278.3	219.4	192.7	201.6	242.3	257.9	255.4	251.6	258.4
35°	449.0	446.0	385.8	329.5	277.0	256.2	286.3	312.6	307.1	319.3	324.0
37.5°	545.5	537.9	512.1	455.3	404.1	369.7	382.5	372.3	371.0	379.5	378.6
40°	616.7	617.1	608.2	562.0	524.8	505.7	507.4	469.7	467.2	470.1	464.2
42.5°	651.4	654.4	661.6	638.7	623.4	625.6	642.5	610.7	609.5	601.8	579.0
45°	672.6	676.4	698.4	706.0	701.4	722.6	768.7	742.9	745.0	751.8	719.2
47.5°	675.1	680.6	709.4	732.3	750.9	793.7	864.4	870.4	876.7	882.2	858.1
50°	650.1	652.2	688.7	721.7	749.2	829.7	937.3	974.1	985.6	985.6	965.2
52.5°	604.8	607.8	642.5	678.5	704.8	828.0	984.3	1051.2	1076.6	1077.5	1048.3
55°	585.3	588.7	615.0	646.7	659.9	786.9	1013.1	1121.1	1147.8	1152.4	1135.1
57.5°	585.3	589.1	610.3	629.0	635.7	739.1	1030.5	1202.8	1232.9	1261.7	1260.9
60°	611.6	615.8	632.8	631.5	625.1	705.2	1022.8	1302.8	1351.5	1399.8	1455.3
62.5°	626.8	629.0	652.2	659.0	657.8	680.2	963.1	1377.3	1452.7	1523.0	1643.3
63°	618.4	620.9	646.7	659.0	670.0	676.4	946.6	1385.4	1470.5	1532.8	1666.2
65°	572.6	573.0	600.6	615.8	690.4	676.0	858.1	1369.7	1473.9	1535.7	1684.4
67.5°	453.6	456.2	475.2	501.0	570.1	686.1	737.4	1190.1	1295.6	1345.2	1510.8
70°	238.9	249.5	265.1	299.4	393.9	582.8	617.1	876.7	978.8	1052.5	1242.7
72.5°	72.4	67.3	87.7	128.3	200.3	403.2	541.3	619.2	678.1	751.4	953.8
75°	32.6	33.5	38.1	54.6	87.7	216.4	473.1	508.7	516.7	541.7	664.5
77.5°	18.6	19.1	22.4	30.9	45.7	108.0	358.3	456.2	449.8	458.7	481.1
80°	12.3	12.7	16.1	22.0	25.4	52.9	203.3	355.8	376.5	399.4	415.9
82.5°	6.8	6.8	10.2	17.8	16.5	25.4	80.0	232.9	270.2	293.9	343.5
85°	3.0	3.4	5.9	11.9	10.2	11.9	38.5	79.2	90.6	95.3	118.6
87.5°	0.8	0.8	1.7	4.2	4.2	5.5	11.4	35.6	37.7	40.7	49.6
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	23.3	23.3	22.4	22.0	20.8	20.8	19.9	20.3	19.1	18.6	17.8
5°	23.7	23.7	23.7	23.7	23.3	23.3	23.3	23.3	23.3	23.3	22.9
7.5°	25.8	25.8	25.8	25.8	25.4	25.0	24.1	24.1	23.7	23.7	23.7
10°	33.0	32.6	31.8	31.3	30.9	30.5	29.6	30.1	29.2	29.6	28.8
12.5°	39.4	38.5	37.3	36.0	35.6	35.2	34.3	33.9	33.5	34.3	33.9
15°	61.4	61.0	61.4	59.3	48.3	47.9	48.3	47.4	46.6	45.3	43.6
17.5°	73.3	72.0	67.8	66.1	66.5	65.2	61.8	55.1	51.2	49.6	48.7
20°	94.0	94.4	95.3	95.3	93.6	91.5	89.4	88.9	86.4	77.5	74.1
22.5°	112.7	112.7	110.5	108.4	105.9	106.3	103.3	96.6	94.4	91.9	90.6
25°	161.8	159.3	153.3	151.2	149.1	143.6	136.4	132.6	131.3	129.6	124.1
27.5°	183.0	179.6	178.3	175.8	168.1	159.3	156.3	154.2	156.3	146.1	138.9
30°	221.5	221.1	219.8	214.3	205.0	197.8	198.2	196.1	182.1	171.5	164.8
32.5°	260.9	257.9	268.1	257.9	249.5	252.4	248.6	235.5	225.7	214.7	213.5
35°	322.7	322.7	314.3	303.3	304.5	306.6	288.4	274.9	268.5	263.9	254.5
37.5°	379.5	376.9	361.3	355.3	362.1	350.3	329.9	321.0	318.9	310.9	296.1
40°	456.6	441.3	429.5	428.2	427.3	399.8	388.4	389.2	378.2	362.1	345.2
42.5°	562.5	537.9	529.0	529.8	499.4	477.3	473.1	462.5	448.1	429.9	414.6
45°	684.4	660.7	661.1	634.5	595.9	576.9	572.6	556.1	538.3	517.1	495.1
47.5°	817.0	800.1	808.5	755.2	721.3	710.3	683.2	657.3	636.6	610.7	583.2
50°	936.4	945.3	926.7	880.1	855.5	840.7	809.0	776.8	750.1	710.7	673.4
52.5°	1048.3	1065.2	1036.0	993.2	996.6	968.2	943.6	911.0	875.5	828.9	789.5
55°	1160.1	1163.9	1139.7	1125.8	1124.9	1106.7	1095.7	1072.4	1024.5	977.5	959.7
57.5°	1301.1	1296.4	1279.5	1301.5	1303.2	1309.2	1321.0	1296.9	1282.5	1248.2	1220.6
60°	1504.8	1501.0	1508.6	1573.4	1586.6	1626.0	1634.4	1635.3	1623.0	1634.0	1567.1
62.5°	1684.8	1700.1	1749.6	1779.7	1810.6	1848.7	1857.2	1841.5	1849.6	1850.4	1798.3
63°	1711.1	1723.0	1774.2	1800.0	1829.7	1861.4	1870.8	1858.9	1866.1	1858.9	1819.5
65°	1722.5	1728.0	1788.2	1781.4	1819.1	1833.1	1809.4	1804.7	1831.4	1793.3	1786.1
67.5°	1553.5	1587.0	1627.2	1627.2	1656.5	1653.5	1621.7	1628.5	1628.9	1614.1	1610.3
70°	1299.0	1366.8	1375.2	1405.7	1426.1	1408.3	1401.5	1406.1	1370.6	1378.6	1343.0
72.5°	1033.4	1106.3	1119.8	1176.6	1182.5	1142.3	1152.0	1124.1	1085.1	1061.0	1011.8
75°	752.2	798.4	838.6	854.7	855.1	817.0	800.5	736.1	678.9	610.3	592.1
77.5°	525.2	520.1	535.4	526.5	466.7	447.7	393.9	362.5	333.3	282.5	254.5
80°	424.4	419.7	426.9	407.9	382.0	360.4	321.9	293.1	260.5	238.5	204.6
82.5°	362.1	381.2	385.8	358.7	345.6	327.4	282.9	251.6	219.8	191.4	164.8
85°	138.1	164.8	162.6	169.4	169.8	160.5	141.5	112.2	88.9	72.0	58.4
87.5°	53.4	59.7	55.9	55.5	55.9	51.2	43.6	38.5	32.6	26.3	22.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	17.4	16.5	16.5	15.7	15.7	15.2	15.2	14.8	14.8	14.4	14.4
5°	22.9	22.9	22.4	21.6	19.5	18.6	16.9	15.7	15.2	14.8	14.4
7.5°	23.7	23.7	23.3	23.3	22.9	22.4	22.0	20.8	18.6	16.9	15.7
10°	28.8	28.0	28.4	29.2	28.8	28.8	28.4	28.0	27.1	26.3	21.2
12.5°	33.5	33.0	32.2	30.5	29.6	29.2	29.2	28.8	28.4	28.0	27.1
15°	42.4	41.1	40.7	39.4	38.5	37.3	37.7	37.3	36.4	34.7	30.9
17.5°	47.0	46.2	44.9	45.3	44.5	41.9	37.7	36.4	35.2	33.9	32.6
20°	72.8	71.6	69.0	64.8	59.7	57.2	55.1	52.9	53.4	52.9	49.6
22.5°	85.1	77.5	72.8	69.5	68.2	68.2	66.5	67.3	61.8	60.1	52.9
25°	114.4	108.8	102.9	99.5	97.8	94.0	86.8	81.7	76.2	74.5	69.0
27.5°	136.8	131.7	131.7	126.2	116.9	109.7	102.5	98.3	91.5	86.8	80.9
30°	164.8	158.4	150.4	140.2	131.3	124.5	119.4	109.3	102.9	96.6	84.7
32.5°	205.8	194.0	183.8	174.5	166.5	152.9	144.8	136.4	123.2	109.7	103.8
35°	244.0	229.1	217.7	208.0	191.4	182.1	169.8	150.8	136.8	130.0	116.5
37.5°	281.2	267.3	256.2	237.2	222.4	206.7	186.4	172.4	160.1	143.2	124.5
40°	329.9	314.3	291.8	275.3	255.8	229.6	214.3	197.4	176.6	155.9	140.2
42.5°	393.9	368.9	350.7	329.9	294.4	277.4	256.7	226.6	200.3	181.7	155.9
45°	471.0	445.1	425.7	385.0	359.2	333.3	302.0	266.8	240.6	211.3	189.3
47.5°	552.7	534.9	493.4	452.8	427.3	388.8	352.8	316.4	280.0	254.1	214.3
50°	654.8	609.9	564.2	534.9	493.8	450.6	408.3	362.1	330.4	290.5	252.0
52.5°	756.9	695.0	662.0	618.8	562.9	513.3	464.2	419.3	374.4	331.6	285.9
55°	894.5	832.7	783.1	720.9	657.3	600.6	549.8	494.3	445.1	390.1	340.1
57.5°	1146.1	1077.9	1006.7	913.6	836.1	767.5	698.8	633.2	559.9	500.6	440.1
60°	1522.2	1450.6	1352.8	1243.9	1124.1	1017.3	919.5	821.2	730.6	657.8	564.2
62.5°	1769.5	1695.8	1605.2	1476.0	1349.4	1207.9	1086.0	949.6	848.3	743.7	657.3
63°	1794.1	1715.8	1624.7	1502.3	1368.5	1235.9	1112.2	963.5	859.8	754.7	665.4
65°	1756.4	1707.7	1623.0	1520.5	1416.7	1287.6	1152.4	1006.3	889.0	782.3	677.7
67.5°	1569.6	1547.2	1492.1	1436.2	1343.5	1253.7	1130.0	1001.2	876.7	775.5	678.9
70°	1329.5	1298.6	1255.4	1232.9	1169.0	1092.7	1007.6	906.8	817.0	717.5	629.8
72.5°	993.6	932.6	897.9	860.2	819.5	766.2	716.6	659.9	587.0	534.1	446.0
75°	520.1	452.3	406.2	352.0	308.3	263.9	240.1	224.1	199.5	172.4	152.5
77.5°	210.9	176.2	142.3	121.1	91.1	72.8	62.3	55.1	50.8	45.3	41.9
80°	177.0	141.5	113.9	86.4	63.5	46.2	34.3	26.7	22.9	19.9	18.2
82.5°	143.2	122.8	102.1	80.5	61.8	50.0	36.8	26.3	19.1	15.2	13.1
85°	45.7	40.2	31.3	26.3	21.6	18.2	15.2	12.3	11.0	10.2	9.3
87.5°	19.1	14.8	13.6	12.3	11.9	11.4	11.4	10.6	9.7	8.5	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°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	14.0	14.0	13.6	14.0	13.1	12.3	11.9	11.4	11.0	11.0	11.0
5°	14.4	14.0	13.6	13.1	11.9	11.0	10.2	9.3	10.6	9.3	6.4
7.5°	14.8	14.4	13.6	13.1	11.9	10.6	9.7	5.9	3.8	3.8	4.2
10°	19.9	18.6	18.2	16.9	15.7	11.4	7.2	3.8	3.4	5.1	5.9
12.5°	21.6	20.3	19.1	17.8	14.8	12.3	5.9	5.1	6.4	5.1	5.5
15°	29.2	25.0	23.7	22.4	19.9	14.4	6.8	6.8	6.4	5.5	6.4
17.5°	32.2	27.5	26.3	25.4	19.5	9.3	7.6	8.0	6.4	7.2	5.9
20°	46.6	41.5	37.7	36.0	26.3	13.6	10.6	7.6	8.0	6.4	7.2
22.5°	53.4	49.6	45.7	44.9	29.6	14.8	12.3	10.6	7.6	7.6	6.8
25°	66.1	61.0	54.6	49.1	31.3	18.6	14.8	10.6	8.9	7.2	6.8
27.5°	75.0	66.5	61.0	57.6	33.9	19.5	14.4	11.9	8.9	6.8	5.9
30°	78.4	73.7	66.1	57.6	34.3	20.3	15.2	11.4	8.9	6.8	6.4
32.5°	95.7	85.1	74.1	67.8	36.8	21.6	14.8	11.4	8.5	6.4	5.9
35°	102.5	92.3	80.5	71.6	38.5	20.8	14.4	10.2	7.6	5.9	4.7
37.5°	113.5	98.7	87.2	76.2	39.0	19.5	13.1	9.7	6.8	5.1	4.2
40°	121.6	109.3	92.3	80.0	39.0	18.2	12.3	8.5	5.9	4.2	3.4
42.5°	140.6	119.0	102.1	87.7	39.8	16.5	11.0	7.2	5.1	3.0	2.5
45°	160.9	140.2	117.7	100.4	40.7	15.2	9.7	6.4	3.8	2.1	1.3
47.5°	189.7	162.6	137.2	115.2	41.1	14.0	8.9	5.5	3.0	1.3	0.8
50°	217.3	188.1	157.1	134.7	41.9	12.7	7.6	4.7	2.1	0.8	0.4
52.5°	249.5	213.5	182.1	150.4	42.4	11.9	6.8	3.8	1.3	0.4	0.0
55°	295.2	257.1	213.0	179.6	43.2	10.6	5.5	3.0	0.8	0.4	0.0
57.5°	386.3	334.6	280.4	232.1	47.4	9.3	4.7	2.1	0.4	0.4	0.0
60°	497.2	439.6	368.1	298.2	55.9	8.0	3.8	1.3	0.4	0.0	0.0
62.5°	577.7	503.6	418.5	343.1	61.8	6.8	3.4	0.8	0.4	0.4	0.0
63°	590.8	510.8	422.3	346.0	62.3	6.8	3.0	0.8	0.4	0.0	0.0
65°	600.6	517.6	427.3	350.7	63.5	5.9	2.5	0.8	0.4	0.4	0.0
67.5°	592.5	502.7	415.1	341.8	64.4	5.1	2.1	0.8	0.4	0.4	0.4
70°	537.5	457.4	380.8	312.1	59.7	4.2	1.7	0.8	0.4	0.4	0.4
72.5°	386.3	344.3	274.0	225.3	45.7	3.8	1.7	1.3	0.4	0.8	0.8
75°	130.0	116.5	97.0	86.0	26.7	2.5	1.3	1.3	0.4	0.8	0.8
77.5°	37.3	34.7	30.1	27.5	13.6	2.1	1.3	1.3	0.4	1.3	1.3
80°	16.1	14.8	13.1	11.4	5.9	1.7	1.3	1.7	0.4	1.7	1.3
82.5°	11.9	10.6	9.3	7.6	3.4	1.7	1.7	2.1	0.4	1.7	1.7
85°	8.5	7.6	6.4	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



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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	14.0	14.0	14.0
2.5°	11.0	11.4	11.4
5°	5.5	5.9	5.9
7.5°	4.7	5.1	5.1
10°	6.4	6.4	6.4
12.5°	5.9	6.4	6.4
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°	6.4	6.4	6.4
27.5°	6.4	6.4	6.4
30°	5.5	6.4	6.4
32.5°	5.5	5.5	5.5
35°	5.1	5.1	5.1
37.5°	4.2	4.7	4.7
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)