

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: P179234

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179234
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1224.6 lumens
Efficiency: N/A
Efficacy: 47.3 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



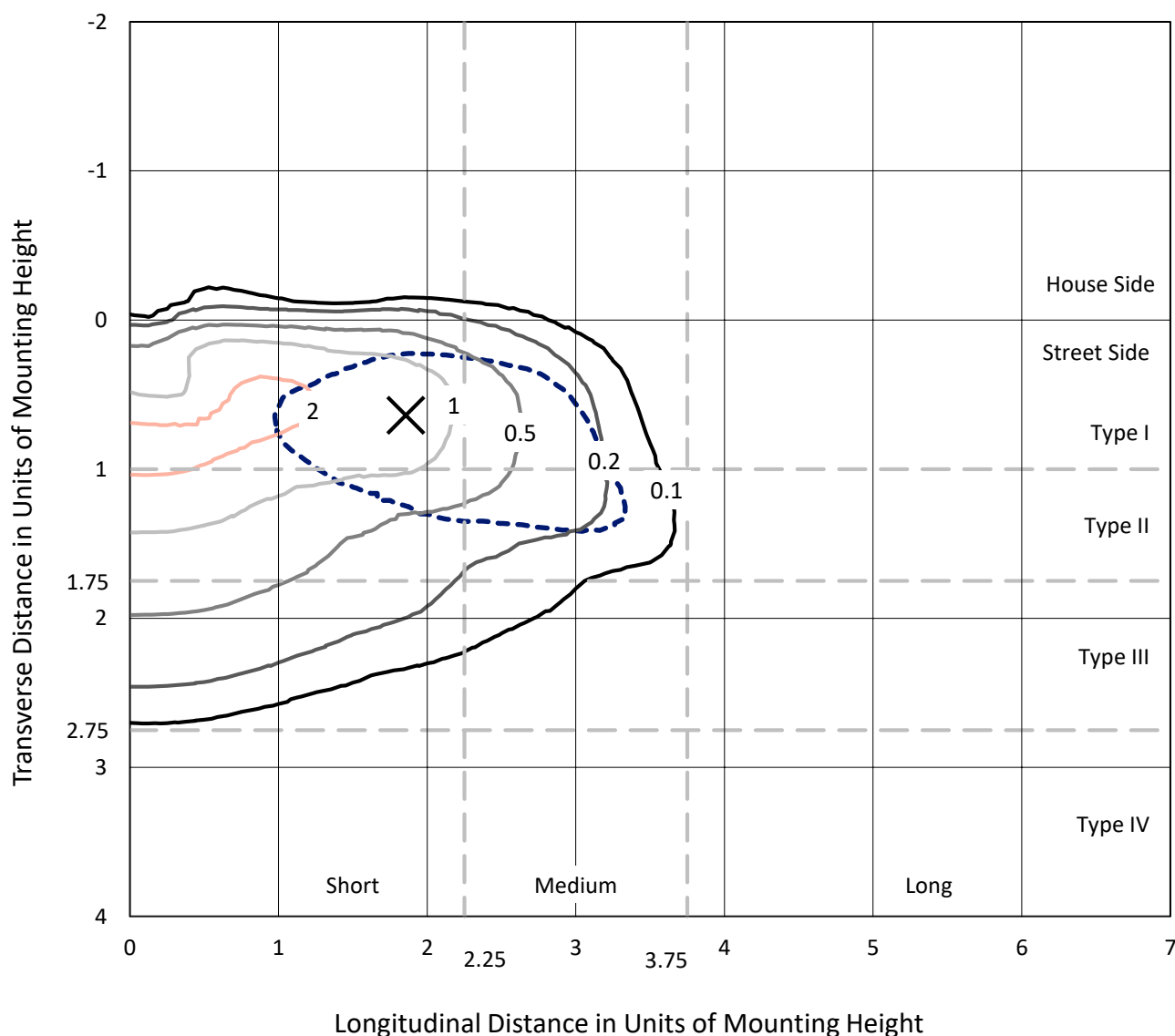
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

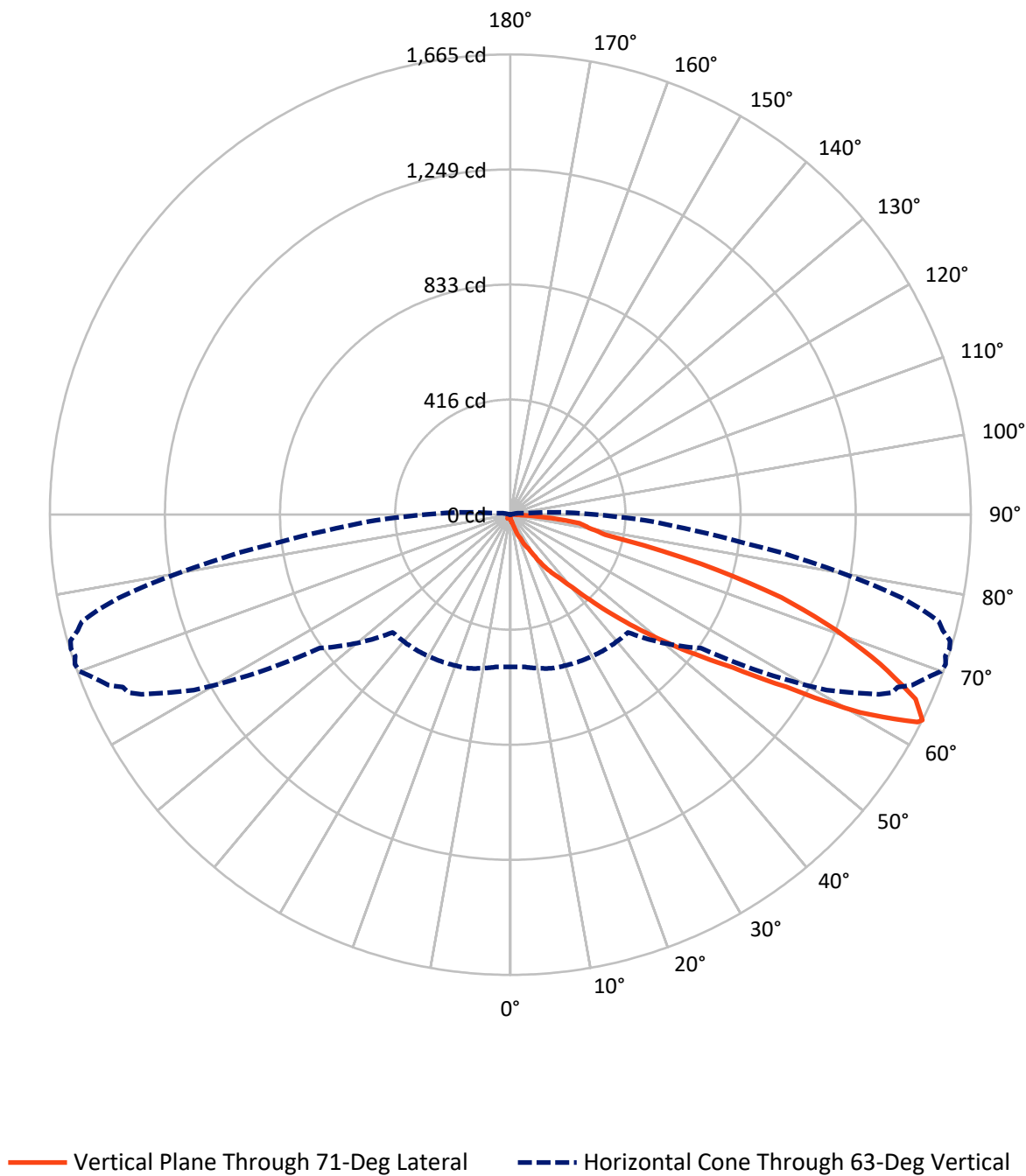


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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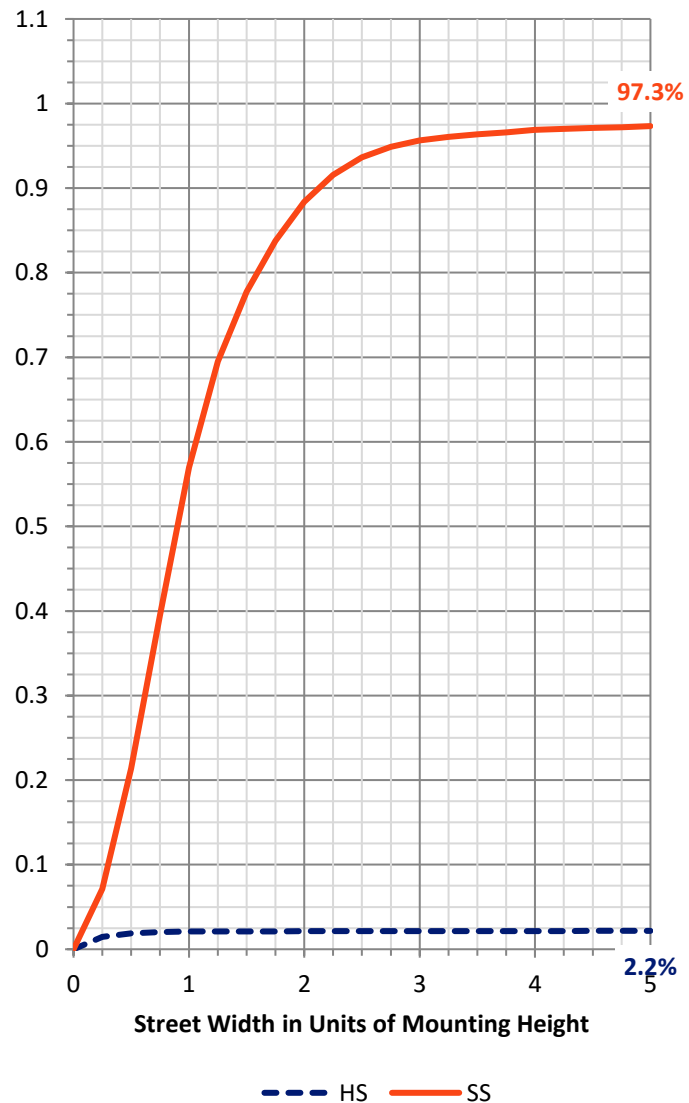
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.2	0.0	27.2
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1197.4	0.0	1197.4
	% Fixture	97.8	0.0	97.8
Total	Lumens	1224.6	0.0	1224.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	9.7	0.8
20°-30°	29.7	2.4
30°-40°	91.6	7.5
40°-50°	217.6	17.8
50°-60°	314.4	25.7
60°-70°	389.1	31.8
70°-80°	147.7	12.1
80°-90°	23.0	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°	1224.6	100.0
0°-180°	1224.6	100.0

Coefficient of Utilization



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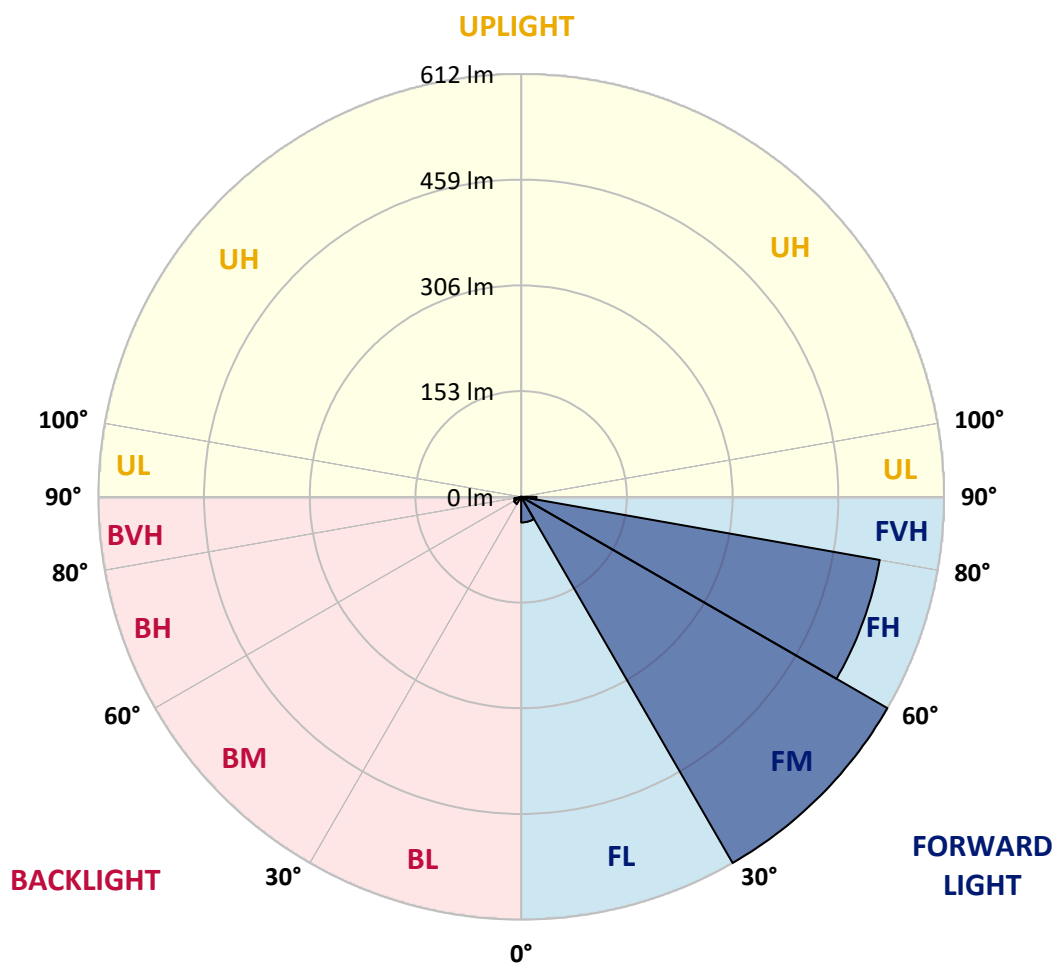
CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.1	3.0			
FM	(30°-60°)	611.5	49.9			
FH	(60°-80°)	526.5	43.0			G0/660
FVH	(80°-90°)	22.2	1.8			G1/100
BL	(0°-30°)	4.0	0.3	B0/110		
BM	(30°-60°)	12.1	1.0	B0/220		
BH	(60°-80°)	10.2	0.8	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	23.4	23.0	22.2	22.2	21.9	21.9	21.5	21.1	21.1	21.1	20.7
5°	27.5	27.1	26.0	24.9	24.9	24.1	22.6	22.2	21.9	21.5	21.5
7.5°	44.9	44.5	43.7	42.6	40.7	27.9	24.9	24.5	24.1	23.8	23.4
10°	50.1	50.1	49.8	48.3	46.4	43.4	39.6	28.7	27.9	28.3	29.4
12.5°	67.5	65.6	66.7	64.8	54.7	51.3	52.4	48.6	47.9	47.5	36.9
15°	72.0	70.1	66.7	67.1	68.6	72.8	59.2	55.8	53.9	52.8	52.8
17.5°	79.2	79.2	79.5	79.5	76.5	78.0	76.9	68.2	67.9	66.4	66.0
20°	97.3	96.5	86.0	81.1	89.3	91.2	91.6	78.8	76.2	75.8	78.0
22.5°	102.9	102.2	100.3	102.2	91.6	102.9	118.4	118.0	115.0	113.5	104.1
25°	131.2	130.1	123.3	105.6	112.7	113.1	128.2	129.3	128.6	131.2	139.1
27.5°	151.6	153.1	137.6	126.3	118.8	135.0	163.2	166.6	166.6	162.9	163.2
30°	193.0	192.3	175.3	146.7	143.3	145.1	179.8	191.5	201.3	195.3	202.1
32.5°	277.5	273.7	247.7	195.3	171.5	179.5	215.6	229.6	227.3	223.9	230.0
35°	399.6	397.0	343.4	293.3	246.6	228.1	254.8	278.2	273.3	284.3	288.4
37.5°	485.6	478.8	455.8	405.3	359.7	329.1	340.4	331.4	330.2	337.8	337.0
40°	548.9	549.3	541.4	500.3	467.1	450.1	451.6	418.1	415.8	418.5	413.2
42.5°	579.8	582.5	588.9	568.5	554.9	556.8	571.9	543.6	542.5	535.7	515.4
45°	598.7	602.1	621.7	628.5	624.3	643.2	684.2	661.3	663.1	669.2	640.1
47.5°	600.9	605.8	631.5	651.8	668.4	706.5	769.5	774.7	780.4	785.3	763.8
50°	578.7	580.6	613.0	642.4	666.9	738.5	834.3	867.1	877.3	877.3	859.2
52.5°	538.4	541.0	571.9	603.9	627.3	737.0	876.1	935.7	958.3	959.1	933.1
55°	521.0	524.0	547.4	575.7	587.4	700.5	901.8	997.9	1021.7	1025.8	1010.4
57.5°	521.0	524.4	543.3	559.8	565.9	657.9	917.2	1070.7	1097.4	1123.1	1122.3
60°	544.4	548.2	563.2	562.1	556.4	627.7	910.4	1159.6	1203.0	1246.0	1295.4
62.5°	558.0	559.8	580.6	586.6	585.5	605.5	857.3	1226.0	1293.1	1355.7	1462.7
63°	550.4	552.7	575.7	586.6	596.4	602.1	842.6	1233.2	1308.9	1364.4	1483.1
65°	509.7	510.1	534.6	548.2	614.5	601.7	763.8	1219.2	1311.9	1367.0	1499.3
67.5°	403.8	406.0	423.0	446.0	507.4	610.7	656.4	1059.4	1153.2	1197.3	1344.7
70°	212.6	222.1	236.0	266.5	350.6	518.7	549.3	780.4	871.2	936.8	1106.1
72.5°	64.5	59.9	78.0	114.2	178.3	358.9	481.8	551.2	603.6	668.8	849.0
75°	29.0	29.8	33.9	48.6	78.0	192.6	421.1	452.8	459.9	482.2	591.5
77.5°	16.6	17.0	20.0	27.5	40.7	96.1	318.9	406.0	400.4	408.3	428.3
80°	10.9	11.3	14.3	19.6	22.6	47.1	181.0	316.7	335.2	355.5	370.2
82.5°	6.0	6.0	9.0	15.8	14.7	22.6	71.3	207.3	240.5	261.6	305.7
85°	2.6	3.0	5.3	10.6	9.0	10.6	34.3	70.5	80.7	84.8	105.6
87.5°	0.8	0.8	1.5	3.8	3.8	4.9	10.2	31.7	33.6	36.2	44.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	20.7	20.7	20.0	19.6	18.5	18.5	17.7	18.1	17.0	16.6	15.8
5°	21.1	21.1	21.1	21.1	20.7	20.7	20.7	20.7	20.7	20.7	20.4
7.5°	23.0	23.0	23.0	23.0	22.6	22.2	21.5	21.5	21.1	21.1	21.1
10°	29.4	29.0	28.3	27.9	27.5	27.1	26.4	26.8	26.0	26.4	25.6
12.5°	35.1	34.3	33.2	32.0	31.7	31.3	30.5	30.2	29.8	30.5	30.2
15°	54.7	54.3	54.7	52.8	43.0	42.6	43.0	42.2	41.5	40.3	38.8
17.5°	65.2	64.1	60.3	58.8	59.2	58.1	55.0	49.0	45.6	44.1	43.4
20°	83.7	84.1	84.8	84.8	83.3	81.4	79.5	79.2	76.9	69.0	66.0
22.5°	100.3	100.3	98.4	96.5	94.2	94.6	92.0	86.0	84.1	81.8	80.7
25°	144.0	141.8	136.5	134.6	132.7	127.8	121.4	118.0	116.9	115.4	110.5
27.5°	162.9	159.8	158.7	156.5	149.7	141.8	139.1	137.2	139.1	130.1	123.7
30°	197.2	196.8	195.7	190.8	182.5	176.1	176.4	174.5	162.1	152.7	146.7
32.5°	232.2	229.6	238.6	229.6	222.1	224.7	221.3	209.6	200.9	191.1	190.0
35°	287.3	287.3	279.7	269.9	271.1	272.9	256.7	244.7	239.0	234.9	226.6
37.5°	337.8	335.5	321.6	316.3	322.3	311.8	293.7	285.8	283.9	276.7	263.5
40°	406.4	392.8	382.3	381.1	380.4	355.9	345.7	346.5	336.7	322.3	307.3
42.5°	500.7	478.8	470.9	471.6	444.5	424.9	421.1	411.7	398.9	382.7	369.1
45°	609.2	588.1	588.5	564.7	530.4	513.5	509.7	495.0	479.2	460.3	440.7
47.5°	727.2	712.1	719.7	672.2	642.0	632.2	608.1	585.1	566.6	543.6	519.1
50°	833.5	841.5	824.9	783.4	761.5	748.3	720.1	691.4	667.7	632.6	599.4
52.5°	933.1	948.1	922.1	884.1	887.1	861.8	839.9	810.9	779.3	737.8	702.7
55°	1032.6	1036.0	1014.5	1002.1	1001.3	985.1	975.3	954.6	912.0	870.1	854.3
57.5°	1158.1	1154.0	1138.9	1158.5	1160.0	1165.3	1175.9	1154.4	1141.5	1111.0	1086.5
60°	1339.5	1336.1	1342.9	1400.5	1412.2	1447.3	1454.8	1455.6	1444.7	1454.5	1394.9
62.5°	1499.7	1513.3	1557.4	1584.1	1611.7	1645.6	1653.1	1639.2	1646.3	1647.1	1600.7
63°	1523.1	1533.6	1579.2	1602.2	1628.6	1656.9	1665.2	1654.6	1661.0	1654.6	1619.6
65°	1533.2	1538.1	1591.7	1585.6	1619.2	1631.6	1610.5	1606.4	1630.1	1596.2	1589.8
67.5°	1382.8	1412.6	1448.4	1448.4	1474.4	1471.8	1443.5	1449.6	1449.9	1436.7	1433.3
70°	1156.2	1216.6	1224.1	1251.3	1269.3	1253.5	1247.5	1251.6	1220.0	1227.1	1195.5
72.5°	919.9	984.7	996.8	1047.3	1052.6	1016.8	1025.4	1000.5	965.9	944.4	900.6
75°	669.5	710.6	746.5	760.8	761.2	727.2	712.5	655.2	604.3	543.3	527.0
77.5°	467.5	463.0	476.5	468.6	415.5	398.5	350.6	322.7	296.7	251.5	226.6
80°	377.8	373.6	380.0	363.0	340.1	320.8	286.5	260.9	231.9	212.2	182.1
82.5°	322.3	339.3	343.4	319.3	307.6	291.4	251.8	223.9	195.7	170.4	146.7
85°	122.9	146.7	144.8	150.8	151.2	142.9	125.9	99.9	79.2	64.1	52.0
87.5°	47.5	53.2	49.8	49.4	49.8	45.6	38.8	34.3	29.0	23.4	19.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	15.5	14.7	14.7	13.9	13.9	13.6	13.6	13.2	13.2	12.8	12.8
5°	20.4	20.4	20.0	19.2	17.3	16.6	15.1	13.9	13.6	13.2	12.8
7.5°	21.1	21.1	20.7	20.7	20.4	20.0	19.6	18.5	16.6	15.1	13.9
10°	25.6	24.9	25.3	26.0	25.6	25.6	25.3	24.9	24.1	23.4	18.8
12.5°	29.8	29.4	28.7	27.1	26.4	26.0	26.0	25.6	25.3	24.9	24.1
15°	37.7	36.6	36.2	35.1	34.3	33.2	33.6	33.2	32.4	30.9	27.5
17.5°	41.8	41.1	40.0	40.3	39.6	37.3	33.6	32.4	31.3	30.2	29.0
20°	64.8	63.7	61.5	57.7	53.2	50.9	49.0	47.1	47.5	47.1	44.1
22.5°	75.8	69.0	64.8	61.8	60.7	60.7	59.2	59.9	55.0	53.5	47.1
25°	101.8	96.9	91.6	88.6	87.1	83.7	77.3	72.8	67.9	66.4	61.5
27.5°	121.8	117.2	117.2	112.3	104.1	97.6	91.2	87.5	81.4	77.3	72.0
30°	146.7	141.0	133.8	124.8	116.9	110.8	106.3	97.3	91.6	86.0	75.4
32.5°	183.2	172.7	163.6	155.3	148.2	136.1	128.9	121.4	109.7	97.6	92.4
35°	217.2	204.0	193.8	185.1	170.4	162.1	151.2	134.2	121.8	115.7	103.7
37.5°	250.3	237.9	228.1	211.1	197.9	184.0	165.9	153.4	142.5	127.4	110.8
40°	293.7	279.7	259.8	245.0	227.7	204.3	190.8	175.7	157.2	138.7	124.8
42.5°	350.6	328.4	312.2	293.7	262.0	246.9	228.5	201.7	178.3	161.7	138.7
45°	419.2	396.2	378.9	342.7	319.7	296.7	268.8	237.5	214.1	188.1	168.5
47.5°	492.0	476.1	439.2	403.0	380.4	346.1	314.0	281.6	249.2	226.2	190.8
50°	582.8	542.9	502.2	476.1	439.6	401.1	363.4	322.3	294.1	258.6	224.3
52.5°	673.7	618.7	589.2	550.8	501.0	456.9	413.2	373.2	333.3	295.2	254.5
55°	796.2	741.2	697.1	641.6	585.1	534.6	489.3	440.0	396.2	347.2	302.7
57.5°	1020.2	959.5	896.1	813.2	744.2	683.1	622.0	563.6	498.4	445.6	391.7
60°	1354.9	1291.2	1204.1	1107.2	1000.5	905.5	818.5	731.0	650.3	585.5	502.2
62.5°	1575.1	1509.5	1428.8	1313.8	1201.1	1075.2	966.6	845.2	755.1	662.0	585.1
63°	1597.0	1527.2	1446.2	1337.2	1218.1	1100.1	990.0	857.7	765.3	671.8	592.3
65°	1563.4	1520.1	1444.7	1353.4	1261.1	1146.1	1025.8	895.7	791.3	696.3	603.2
67.5°	1397.1	1377.2	1328.2	1278.4	1195.8	1115.9	1005.8	891.2	780.4	690.3	604.3
70°	1183.4	1155.9	1117.4	1097.4	1040.5	972.7	896.9	807.2	727.2	638.6	560.6
72.5°	884.4	830.1	799.2	765.7	729.5	682.0	637.9	587.4	522.5	475.4	397.0
75°	463.0	402.6	361.5	313.3	274.5	234.9	213.8	199.4	177.6	153.4	135.7
77.5°	187.7	156.8	126.7	107.8	81.1	64.8	55.4	49.0	45.2	40.3	37.3
80°	157.6	125.9	101.4	76.9	56.5	41.1	30.5	23.8	20.4	17.7	16.2
82.5°	127.4	109.3	90.9	71.6	55.0	44.5	32.8	23.4	17.0	13.6	11.7
85°	40.7	35.8	27.9	23.4	19.2	16.2	13.6	10.9	9.8	9.0	8.3
87.5°	17.0	13.2	12.1	10.9	10.6	10.2	10.2	9.4	8.7	7.5	6.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
2.5°	12.4	12.4	12.1	12.4	11.7	10.9	10.6	10.2	9.8	9.8	9.8
5°	12.8	12.4	12.1	11.7	10.6	9.8	9.0	8.3	9.4	8.3	5.7
7.5°	13.2	12.8	12.1	11.7	10.6	9.4	8.7	5.3	3.4	3.4	3.8
10°	17.7	16.6	16.2	15.1	13.9	10.2	6.4	3.4	3.0	4.5	5.3
12.5°	19.2	18.1	17.0	15.8	13.2	10.9	5.3	4.5	5.7	4.5	4.9
15°	26.0	22.2	21.1	20.0	17.7	12.8	6.0	6.0	5.7	4.9	5.7
17.5°	28.7	24.5	23.4	22.6	17.3	8.3	6.8	7.2	5.7	6.4	5.3
20°	41.5	36.9	33.6	32.0	23.4	12.1	9.4	6.8	7.2	5.7	6.4
22.5°	47.5	44.1	40.7	40.0	26.4	13.2	10.9	9.4	6.8	6.8	6.0
25°	58.8	54.3	48.6	43.7	27.9	16.6	13.2	9.4	7.9	6.4	6.0
27.5°	66.7	59.2	54.3	51.3	30.2	17.3	12.8	10.6	7.9	6.0	5.3
30°	69.7	65.6	58.8	51.3	30.5	18.1	13.6	10.2	7.9	6.0	5.7
32.5°	85.2	75.8	66.0	60.3	32.8	19.2	13.2	10.2	7.5	5.7	5.3
35°	91.2	82.2	71.6	63.7	34.3	18.5	12.8	9.0	6.8	5.3	4.1
37.5°	101.0	87.8	77.7	67.9	34.7	17.3	11.7	8.7	6.0	4.5	3.8
40°	108.2	97.3	82.2	71.3	34.7	16.2	10.9	7.5	5.3	3.8	3.0
42.5°	125.2	105.9	90.9	78.0	35.4	14.7	9.8	6.4	4.5	2.6	2.3
45°	143.3	124.8	104.8	89.3	36.2	13.6	8.7	5.7	3.4	1.9	1.1
47.5°	168.9	144.8	122.1	102.5	36.6	12.4	7.9	4.9	2.6	1.1	0.8
50°	193.4	167.4	139.9	119.9	37.3	11.3	6.8	4.1	1.9	0.8	0.4
52.5°	222.1	190.0	162.1	133.8	37.7	10.6	6.0	3.4	1.1	0.4	0.0
55°	262.8	228.8	189.6	159.8	38.5	9.4	4.9	2.6	0.8	0.4	0.0
57.5°	343.8	297.8	249.6	206.6	42.2	8.3	4.1	1.9	0.4	0.4	0.0
60°	442.6	391.3	327.6	265.4	49.8	7.2	3.4	1.1	0.4	0.0	0.0
62.5°	514.2	448.2	372.5	305.4	55.0	6.0	3.0	0.8	0.4	0.4	0.0
63°	525.9	454.7	375.9	308.0	55.4	6.0	2.6	0.8	0.4	0.0	0.0
65°	534.6	460.7	380.4	312.2	56.5	5.3	2.3	0.8	0.4	0.4	0.0
67.5°	527.4	447.5	369.5	304.2	57.3	4.5	1.9	0.8	0.4	0.4	0.4
70°	478.4	407.2	338.9	277.8	53.2	3.8	1.5	0.8	0.4	0.4	0.4
72.5°	343.8	306.5	243.9	200.6	40.7	3.4	1.5	1.1	0.4	0.8	0.8
75°	115.7	103.7	86.3	76.5	23.8	2.3	1.1	1.1	0.4	0.8	0.8
77.5°	33.2	30.9	26.8	24.5	12.1	1.9	1.1	1.1	0.4	1.1	1.1
80°	14.3	13.2	11.7	10.2	5.3	1.5	1.1	1.5	0.4	1.5	1.1
82.5°	10.6	9.4	8.3	6.8	3.0	1.5	1.5	1.9	0.4	1.5	1.5
85°	7.5	6.8	5.7	4.9	2.3	1.5	1.5	1.9	0.8	1.9	1.9
87.5°	6.0	5.3	4.5	3.4	2.3	1.5	1.5	2.3	0.8	2.3	1.9
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):

	165°	175°	180°
0°	12.4	12.4	12.4
2.5°	9.8	10.2	10.2
5°	4.9	5.3	5.3
7.5°	4.1	4.5	4.5
10°	5.7	5.7	5.7
12.5°	5.3	5.7	5.7
15°	6.0	6.4	6.4
17.5°	5.3	6.8	7.2
20°	6.0	6.0	6.0
22.5°	6.0	6.4	6.4
25°	5.7	5.7	5.7
27.5°	5.7	5.7	5.7
30°	4.9	5.7	5.7
32.5°	4.9	4.9	4.9
35°	4.5	4.5	4.5
37.5°	3.8	4.1	4.1
40°	3.0	3.0	3.0
42.5°	1.9	1.9	1.9
45°	1.1	1.1	1.1
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°	1.1	0.8	0.8
80°	1.1	1.1	0.8
82.5°	1.5	1.1	0.4
85°	1.5	1.5	0.8
87.5°	1.9	1.9	0.8
90°	0.0	0.0	0.0

(END OF REPORT)