

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: P853401

Luminaire Tested: **CRTK-N-40-730-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-730-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

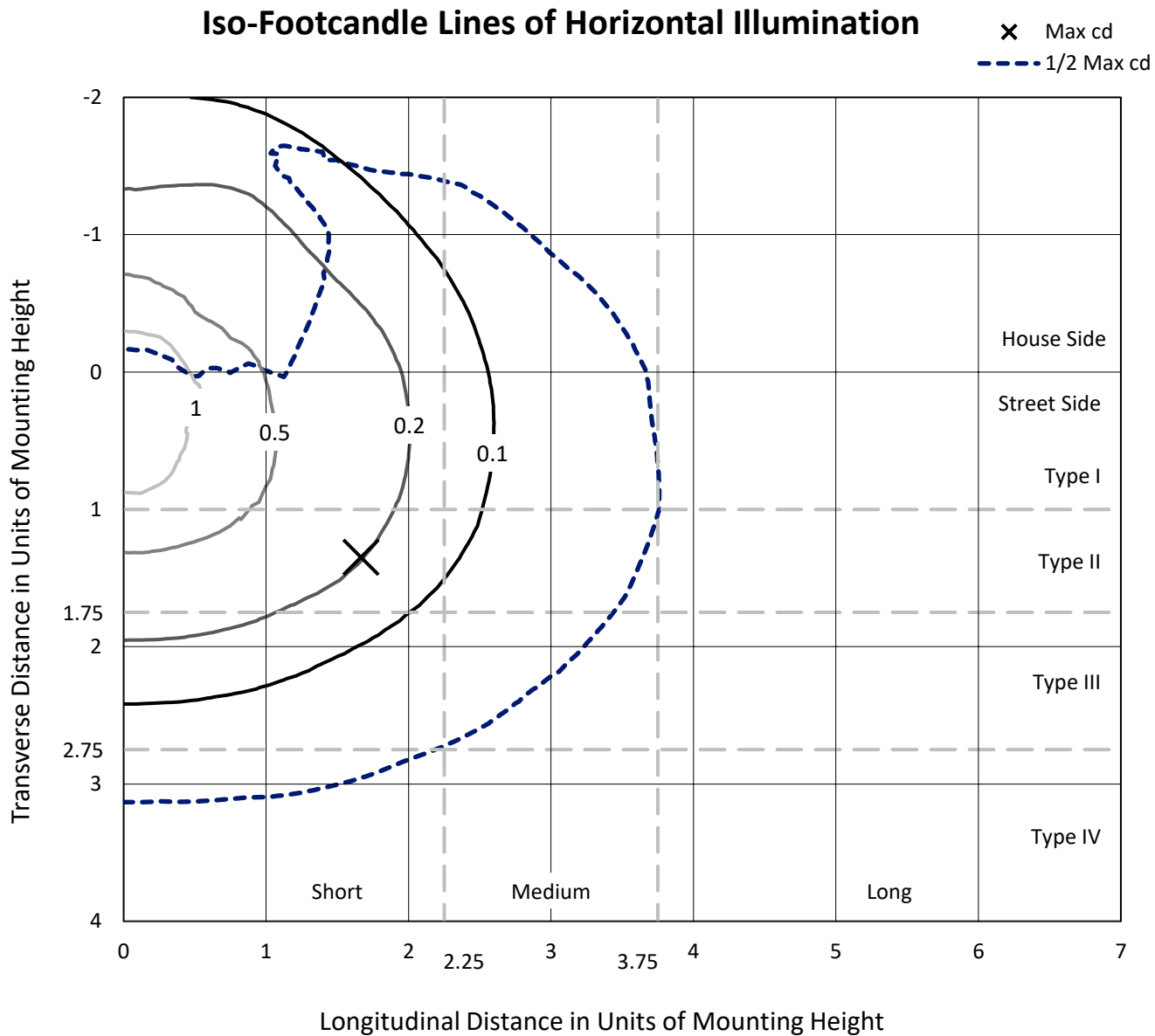
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5340 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (A_{in}): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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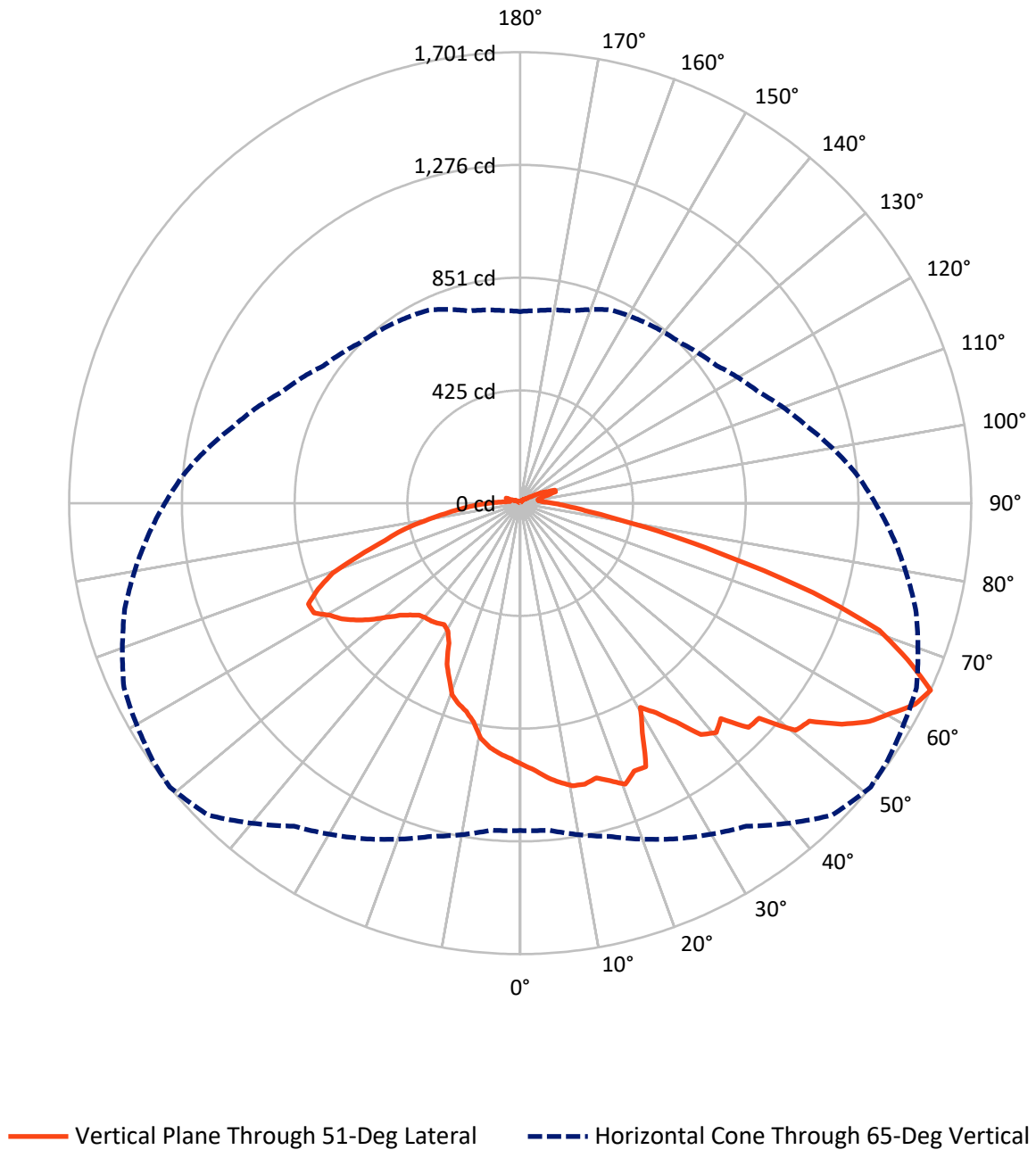


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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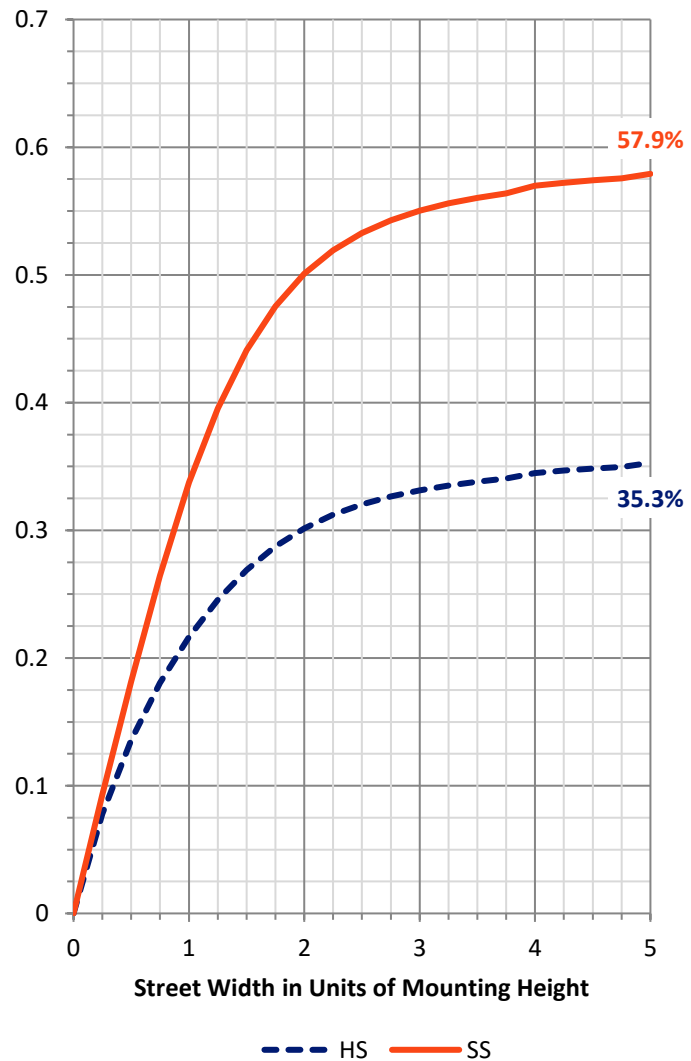
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.4	83.6	2033.0
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	3142.2	164.8	3307.0
	% Fixture	58.8	3.1	61.9
Total	Lumens	5091.5	248.5	5340.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	1.8
10°-20°	266.4	5.0
20°-30°	390.7	7.3
30°-40°	543.6	10.2
40°-50°	713.7	13.4
50°-60°	969.7	18.2
60°-70°	1151.6	21.6
70°-80°	716.7	13.4
80°-90°	244.6	4.6
90°-100°	81.9	1.5
100°-110°	71.1	1.3
110°-120°	57.8	1.1
120°-130°	20.4	0.4
130°-140°	9.6	0.2
140°-150°	4.8	0.1
150°-160°	2.3	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-90°	5091.5	95.3
0°-180°	5340.0	100.0

Coefficient of Utilization



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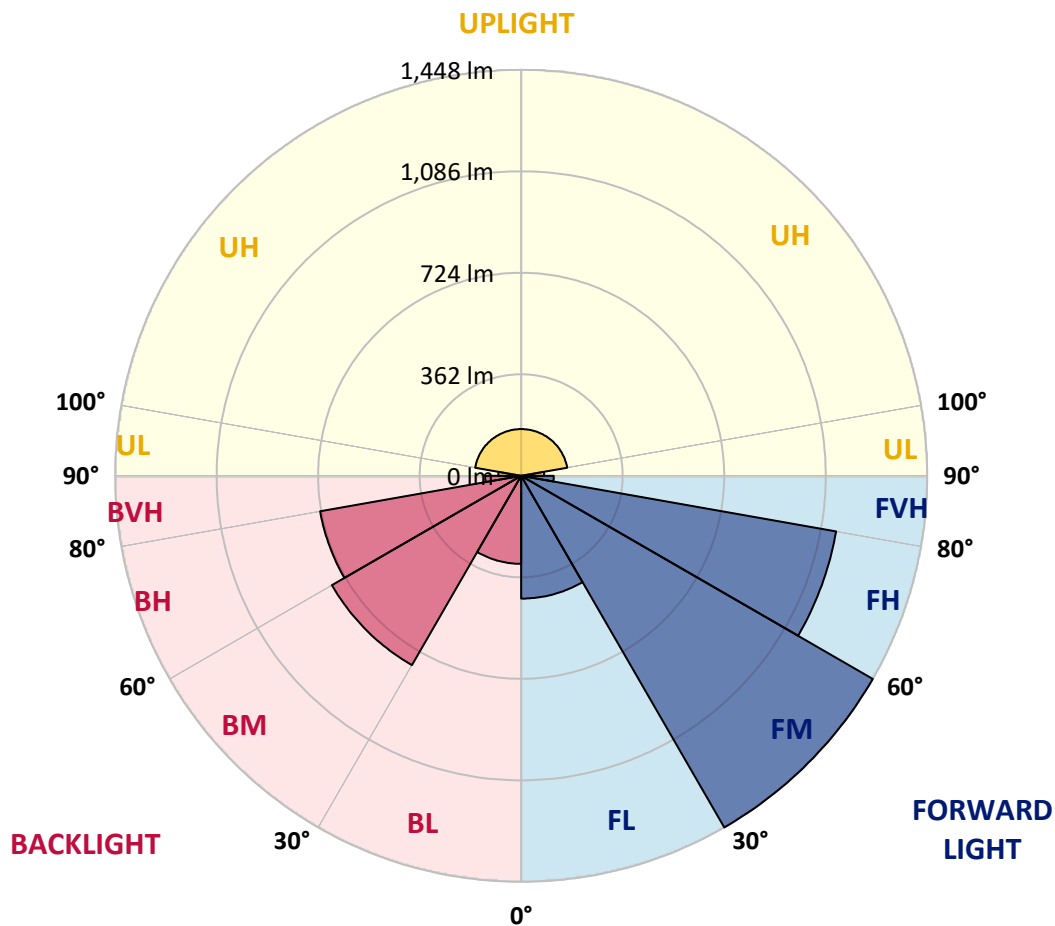
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.8	8.2			
FM	(30°-60°)	1447.7	27.1			
FH	(60°-80°)	1140.5	21.4			G1/1800
FVH	(80°-90°)	116.1	2.2			G2/225
BL	(0°-30°)	313.8	5.9	B1/500		
BM	(30°-60°)	779.3	14.6	B1/1000		
BH	(60°-80°)	727.8	13.6	B2/1000		G2/1000
BVH	(80°-90°)	128.4	2.4			G2/225
UL	(90°-100°)	81.9	1.5		U3/500	
UH	(100°-180°)	166.5	3.1		U3/500	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0
2.5°	1010.6	1015.2	1018.3	1021.3	1018.3	1012.1	1007.5	1007.5	1005.9	996.7	982.9
5°	1050.6	1053.6	1055.2	1056.7	1053.6	1044.4	1038.2	1035.2	1029.0	1013.6	993.6
7.5°	1079.8	1082.9	1087.5	1085.9	1082.9	1069.0	1062.9	1058.2	1050.6	1030.6	1002.9
10°	1096.7	1101.3	1107.5	1109.0	1104.4	1092.1	1084.4	1076.7	1065.9	1039.8	1004.4
12.5°	1112.1	1115.2	1112.1	1102.9	1101.3	1090.5	1087.5	1089.0	1081.3	1056.7	1010.6
15°	1042.9	1050.6	1079.8	1082.9	1089.0	1081.3	1075.2	1069.0	1050.6	1032.1	1015.2
17.5°	1018.3	1022.9	1049.0	1095.2	1113.6	1109.0	1101.3	1095.2	1075.2	1033.6	941.3
20°	1029.0	1032.1	1047.5	1065.9	1129.0	1133.6	1132.1	1125.9	1102.9	1013.6	922.9
22.5°	1007.5	1012.1	1032.1	1042.9	1079.8	1107.5	1098.2	1089.0	1033.6	938.3	850.6
25°	1076.7	1078.2	1049.0	1001.3	987.5	1038.2	1101.3	1113.6	978.3	898.3	833.7
27.5°	1132.1	1136.7	1130.5	1087.5	1058.2	1022.9	981.3	935.2	967.5	941.3	869.1
30°	1193.6	1210.5	1230.5	1212.1	1136.7	993.6	893.7	895.2	950.6	950.6	912.1
32.5°	1281.3	1319.7	1309.0	1278.2	1156.7	970.6	942.9	935.2	975.2	958.3	907.5
35°	1395.1	1415.1	1361.3	1262.8	1172.1	1045.9	1013.6	998.3	970.6	1019.8	852.1
37.5°	1473.5	1452.0	1415.1	1330.5	1118.2	1113.6	1107.5	1095.2	1052.1	918.3	913.7
40°	1438.2	1464.3	1495.1	1336.6	1198.2	1153.6	1138.2	1161.3	1038.2	959.8	969.0
42.5°	1507.4	1545.8	1447.4	1365.9	1321.3	1221.3	1110.5	1067.5	1075.2	1049.0	955.2
45°	1561.2	1521.2	1433.6	1333.6	1273.6	1230.5	1207.4	1189.0	1129.0	1033.6	898.3
47.5°	1332.0	1378.2	1385.9	1352.0	1345.9	1264.4	1212.1	1192.1	1135.2	909.0	833.7
50°	1353.6	1367.4	1358.2	1402.8	1455.1	1393.6	1347.4	1289.0	1130.5	1036.7	950.6
52.5°	1399.7	1415.1	1419.7	1441.2	1459.7	1412.0	1365.9	1319.7	1235.1	1139.8	1030.6
55°	1447.4	1453.5	1462.8	1481.2	1508.9	1505.8	1472.0	1425.9	1350.5	1247.4	1122.8
57.5°	1433.6	1445.9	1459.7	1512.0	1552.0	1585.8	1553.5	1521.2	1448.9	1344.3	1216.7
60°	1395.1	1412.0	1448.9	1513.5	1582.8	1638.1	1608.9	1588.9	1519.7	1432.0	1309.0
62.5°	1330.5	1336.6	1392.0	1476.6	1555.1	1661.2	1672.0	1655.0	1616.6	1512.0	1370.5
65°	1235.1	1238.2	1301.3	1396.6	1487.4	1664.3	1701.2	1692.0	1648.9	1544.3	1408.9
67.5°	1121.3	1122.8	1178.2	1261.3	1352.0	1493.5	1576.6	1612.0	1652.0	1536.6	1410.5
70°	964.4	966.0	1016.7	1109.0	1187.4	1345.9	1436.6	1485.8	1525.8	1421.2	1315.1
72.5°	835.2	836.8	856.7	915.2	986.0	1099.8	1155.1	1192.1	1239.7	1209.0	1105.9
75°	713.7	699.9	701.4	704.5	724.5	790.6	819.8	855.2	909.0	913.7	838.3
77.5°	547.6	535.3	526.0	516.8	506.1	547.6	572.2	596.8	621.4	624.5	595.3
80°	381.5	373.8	376.8	367.6	352.2	372.2	375.3	384.5	399.9	426.1	438.4
82.5°	270.7	249.2	252.3	241.5	238.4	253.8	259.9	263.0	281.5	306.1	295.3
85°	163.0	161.5	167.7	167.7	169.2	184.6	193.8	193.8	212.3	226.1	229.2
87.5°	118.4	115.4	121.5	127.7	132.3	144.6	150.7	152.3	164.6	176.9	176.9
90°	96.9	96.9	100.0	103.1	106.1	112.3	116.9	118.4	124.6	129.2	130.7
92.5°	84.6	84.6	86.1	86.1	86.1	87.7	87.7	89.2	95.4	95.4	92.3
95°	81.5	80.0	80.0	81.5	83.1	81.5	78.4	76.9	75.4	73.8	69.2
97.5°	75.4	73.8	75.4	75.4	72.3	72.3	70.8	70.8	66.1	63.1	56.9
100°	67.7	69.2	69.2	70.8	69.2	69.2	67.7	67.7	63.1	60.0	58.4
102.5°	75.4	78.4	75.4	75.4	76.9	73.8	73.8	75.4	72.3	72.3	70.8
105°	81.5	86.1	95.4	103.1	100.0	92.3	90.8	93.8	90.8	90.8	86.1
107.5°	80.0	83.1	89.2	112.3	130.7	141.5	140.0	143.0	132.3	116.9	98.4
110°	78.4	80.0	84.6	95.4	110.7	130.7	140.0	146.1	156.9	146.1	129.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	84.6	87.7	90.8	95.4	100.0	106.1	109.2	113.8	123.1	123.1	113.8
115°	92.3	90.8	90.8	90.8	92.3	96.9	95.4	95.4	95.4	89.2	75.4
117.5°	72.3	69.2	70.8	70.8	70.8	73.8	70.8	69.2	67.7	58.4	49.2
120°	47.7	46.1	47.7	50.8	49.2	50.8	49.2	47.7	46.1	43.1	38.5
122.5°	40.0	38.5	38.5	38.5	38.5	40.0	41.5	40.0	40.0	38.5	35.4
125°	29.2	29.2	29.2	29.2	29.2	30.8	32.3	32.3	32.3	32.3	29.2
127.5°	24.6	24.6	24.6	24.6	24.6	26.1	27.7	27.7	26.1	26.1	24.6
130°	21.5	21.5	21.5	21.5	21.5	23.1	23.1	23.1	23.1	21.5	20.0
132.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	18.5
135°	18.5	18.5	18.5	18.5	20.0	18.5	20.0	20.0	18.5	18.5	15.4
137.5°	16.9	15.4	16.9	15.4	16.9	16.9	16.9	15.4	15.4	15.4	12.3
140°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	12.3
142.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.8
145°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.8	10.8	9.2
147.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.2
150°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.2	9.2
152.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.7
155°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
157.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
160°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
162.5°	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	3.1	3.1
165°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0	986.0
2.5°	979.8	976.7	976.7	978.3	969.0	959.8	953.7	949.0	947.5	949.0	944.4
5°	989.0	984.4	975.2	966.0	955.2	939.8	930.6	921.3	918.3	919.8	918.3
7.5°	993.6	986.0	970.6	956.7	936.7	916.7	904.4	893.7	887.5	889.0	886.0
10°	992.1	979.8	956.7	936.7	909.0	884.4	867.5	853.7	849.1	850.6	849.1
12.5°	993.6	976.7	942.9	906.0	858.3	822.9	802.9	792.1	790.6	801.4	801.4
15°	993.6	955.2	887.5	858.3	822.9	793.7	775.2	756.8	744.5	716.8	715.2
17.5°	901.4	910.6	879.8	841.4	802.9	775.2	747.5	721.4	693.7	693.7	690.6
20°	889.0	866.0	846.0	821.4	779.8	750.6	718.3	678.3	661.4	662.9	661.4
22.5°	815.2	798.3	756.8	762.9	730.6	687.6	644.5	619.9	621.4	633.7	633.7
25°	796.8	764.5	710.6	687.6	701.4	613.7	598.3	592.2	599.9	622.9	621.4
27.5°	830.6	790.6	721.4	649.1	589.1	596.8	598.3	598.3	601.4	590.6	583.0
30°	866.0	819.8	695.2	621.4	546.0	564.5	587.6	609.1	586.0	572.2	573.7
32.5°	882.9	793.7	696.8	596.8	543.0	536.8	578.3	566.0	575.3	575.3	579.9
35°	799.8	764.5	716.8	598.3	555.3	539.9	538.4	552.2	558.3	587.6	592.2
37.5°	856.7	802.9	652.2	618.3	572.2	533.7	524.5	559.9	563.0	563.0	573.7
40°	919.8	836.8	679.9	607.6	566.0	552.2	543.0	549.1	564.5	530.7	530.7
42.5°	881.4	821.4	710.6	601.4	563.0	576.8	578.3	561.4	536.8	549.1	553.7
45°	850.6	775.2	698.3	630.6	590.6	592.2	579.9	558.3	543.0	563.0	563.0
47.5°	789.1	746.0	676.8	647.6	616.8	624.5	641.4	575.3	558.3	521.4	501.4
50°	899.8	849.1	758.3	681.4	659.9	667.6	709.1	624.5	570.7	527.6	527.6
52.5°	970.6	921.3	822.9	742.9	707.5	719.9	753.7	653.7	599.9	567.6	561.4
55°	1050.6	990.6	889.0	799.8	759.8	758.3	778.3	702.9	649.1	610.6	616.8
57.5°	1132.1	1075.2	952.1	852.1	802.9	798.3	801.4	762.9	684.5	659.9	669.1
60°	1241.3	1169.0	1019.8	892.1	832.1	835.2	832.1	802.9	730.6	690.6	690.6
62.5°	1312.0	1229.0	1090.5	966.0	890.6	867.5	858.3	818.3	755.2	709.1	712.2
65°	1339.7	1272.0	1119.8	992.1	904.4	855.2	829.1	804.5	750.6	729.1	722.9
67.5°	1332.0	1259.7	1109.0	970.6	864.4	772.1	727.5	684.5	702.9	696.8	690.6
70°	1244.4	1162.8	993.6	889.0	795.2	695.2	622.9	596.8	595.3	589.1	552.2
72.5°	1056.7	982.9	838.3	747.5	661.4	595.3	570.7	518.4	484.5	458.4	444.5
75°	822.9	775.2	692.2	626.0	547.6	504.5	458.4	418.4	406.1	404.5	393.8
77.5°	596.8	573.7	543.0	523.0	478.4	430.7	390.7	373.8	366.1	361.5	359.9
80°	439.9	433.8	410.7	404.5	376.8	350.7	333.8	333.8	332.2	336.9	335.3
82.5°	299.9	295.3	298.4	306.1	292.2	278.4	273.8	284.6	306.1	323.0	319.9
85°	235.3	230.7	229.2	232.3	227.6	220.0	220.0	226.1	224.6	227.6	220.0
87.5°	183.0	181.5	176.9	180.0	173.8	170.7	170.7	172.3	170.7	170.7	169.2
90°	135.4	135.4	132.3	135.4	127.7	124.6	126.1	124.6	115.4	110.7	107.7
92.5°	95.4	93.8	90.8	93.8	87.7	86.1	86.1	81.5	80.0	78.4	78.4
95°	70.8	69.2	66.1	64.6	61.5	60.0	63.1	63.1	58.4	50.8	47.7
97.5°	55.4	55.4	53.8	52.3	49.2	44.6	43.1	36.9	30.8	24.6	26.1
100°	56.9	55.4	56.9	52.3	44.6	33.8	29.2	26.1	21.5	15.4	15.4
102.5°	70.8	69.2	66.1	53.8	41.5	32.3	27.7	21.5	16.9	9.2	7.7
105°	81.5	78.4	64.6	52.3	41.5	32.3	26.1	21.5	15.4	7.7	4.6
107.5°	89.2	78.4	69.2	61.5	56.9	46.1	33.8	23.1	12.3	4.6	3.1
110°	121.5	110.7	101.5	87.7	66.1	40.0	27.7	15.4	9.2	3.1	1.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	104.6	100.0	75.4	56.9	40.0	24.6	18.5	13.8	7.7	3.1	3.1
115°	66.1	60.0	46.1	35.4	27.7	20.0	15.4	12.3	7.7	3.1	0.0
117.5°	44.6	41.5	33.8	29.2	23.1	18.5	13.8	10.8	6.2	0.0	0.0
120°	36.9	35.4	29.2	24.6	20.0	15.4	12.3	9.2	3.1	0.0	0.0
122.5°	32.3	30.8	24.6	21.5	16.9	13.8	10.8	6.2	1.5	0.0	0.0
125°	27.7	27.7	24.6	21.5	18.5	15.4	10.8	6.2	1.5	0.0	0.0
127.5°	23.1	21.5	20.0	16.9	15.4	10.8	9.2	6.2	0.0	0.0	0.0
130°	18.5	18.5	15.4	12.3	10.8	7.7	6.2	3.1	0.0	0.0	0.0
132.5°	16.9	16.9	13.8	12.3	9.2	6.2	4.6	3.1	0.0	0.0	0.0
135°	15.4	15.4	12.3	10.8	7.7	6.2	4.6	3.1	0.0	0.0	0.0
137.5°	12.3	12.3	10.8	7.7	6.2	4.6	3.1	1.5	0.0	0.0	0.0
140°	10.8	10.8	9.2	7.7	6.2	4.6	3.1	1.5	0.0	0.0	0.0
142.5°	9.2	9.2	7.7	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0
145°	9.2	9.2	7.7	6.2	4.6	3.1	1.5	0.0	0.0	0.0	0.0
147.5°	9.2	7.7	7.7	6.2	4.6	3.1	1.5	0.0	0.0	0.0	0.0
150°	7.7	7.7	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	7.7	7.7	6.2	4.6	3.1	1.5	1.5	0.0	0.0	0.0	0.0
155°	6.2	6.2	4.6	3.1	3.1	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	6.2	4.6	4.6	3.1	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	4.6	4.6	3.1	3.1	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	3.1	3.1	3.1	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
165°	3.1	3.1	3.1	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)