

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: P853398

Luminaire Tested: **CRTK-N-40-730-U-T2R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)
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-T2R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

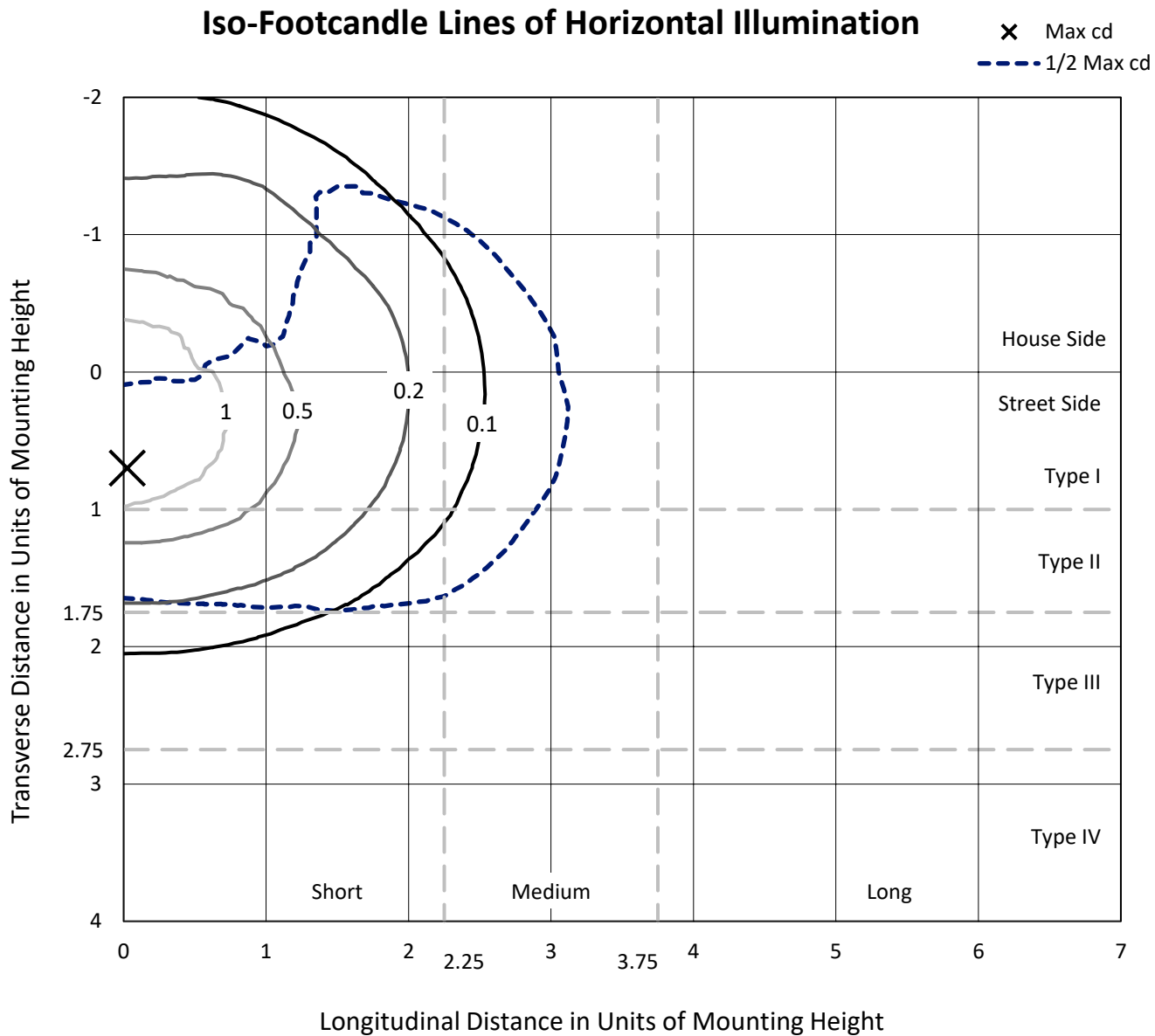
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5360 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 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

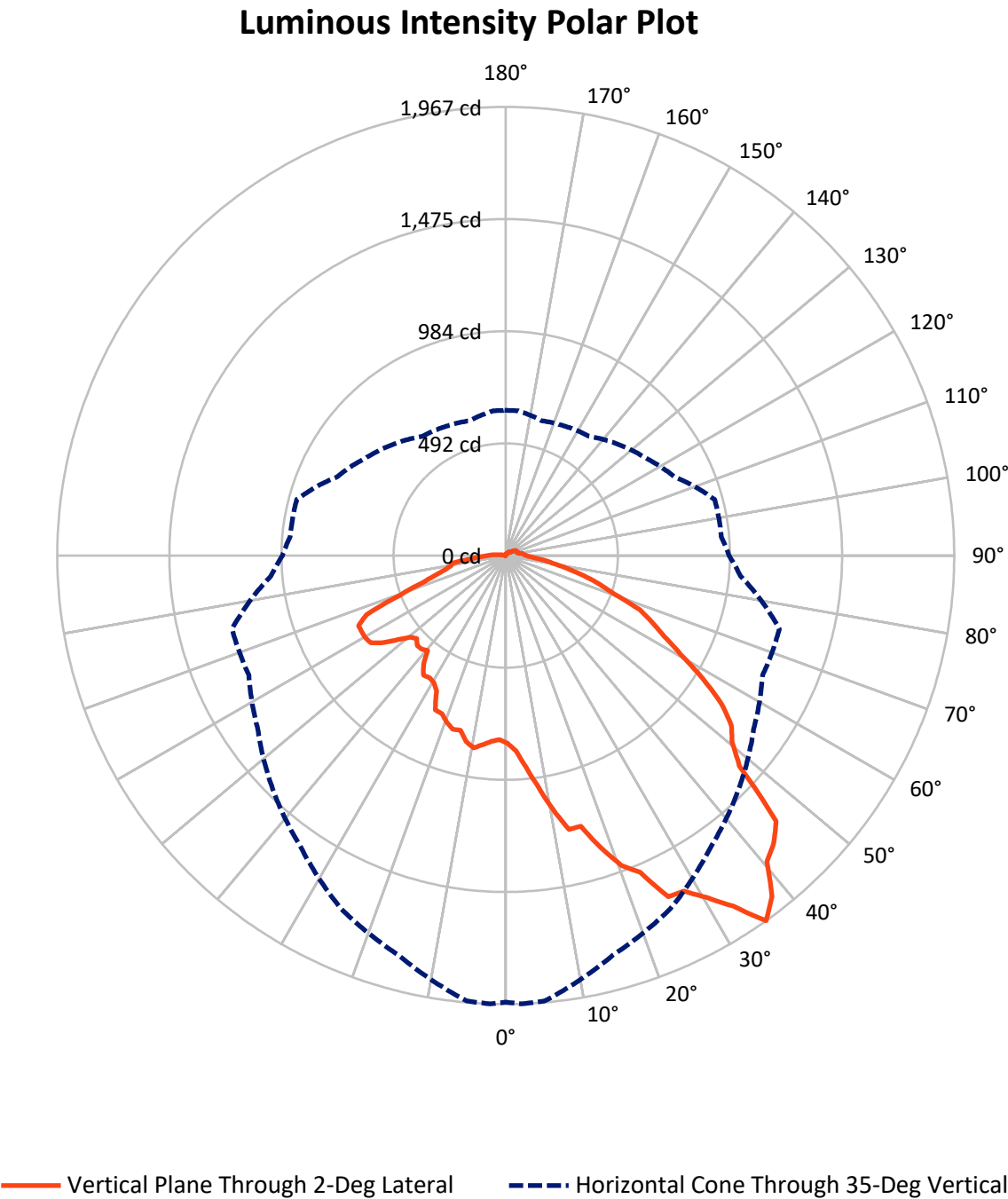


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CATALOG NUMBER: CRTK-N-40-730-U-T2R-CNR



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Short - N/A

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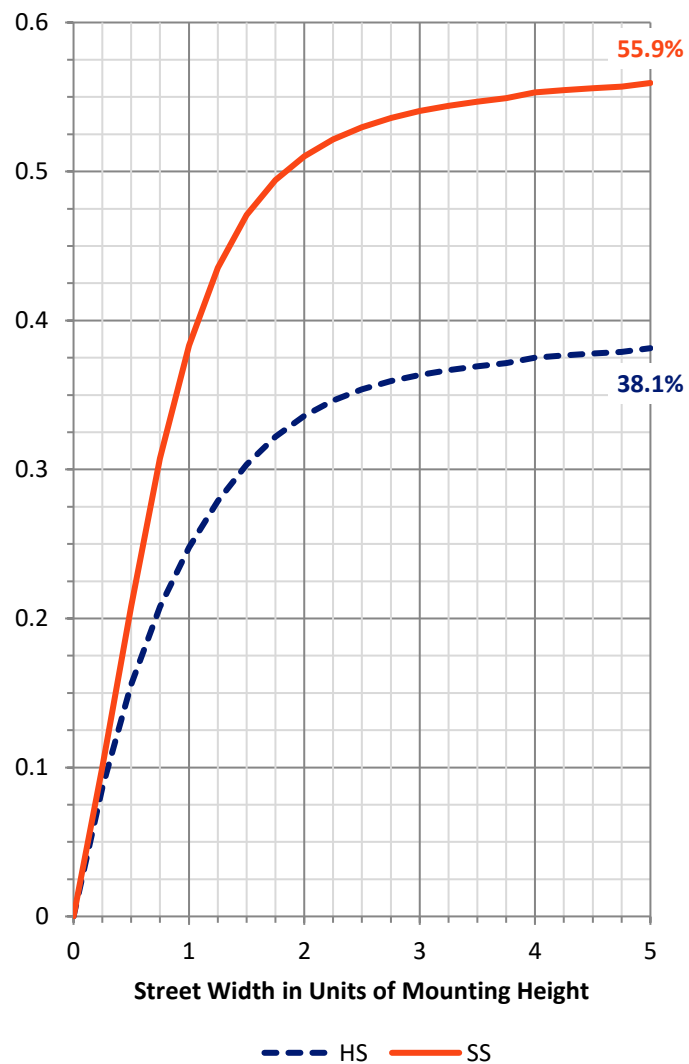
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2094.9	85.4	2180.3
	% Fixture	39.1	1.6	40.7
Street Side	Lumens	3039.9	139.8	3179.7
	% Fixture	56.7	2.6	59.3
Total	Lumens	5134.8	225.1	5360.0
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.6
10°-20°	283.1	5.3
20°-30°	485.8	9.1
30°-40°	698.1	13.0
40°-50°	849.5	15.8
50°-60°	996.8	18.6
60°-70°	989.2	18.5
70°-80°	550.0	10.3
80°-90°	197.9	3.7
90°-100°	71.9	1.3
100°-110°	61.9	1.2
110°-120°	51.3	1.0
120°-130°	20.9	0.4
130°-140°	10.5	0.2
140°-150°	5.5	0.1
150°-160°	2.6	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5134.8	95.8
0°-180°	5360.0	100.0

Coefficient of Utilization



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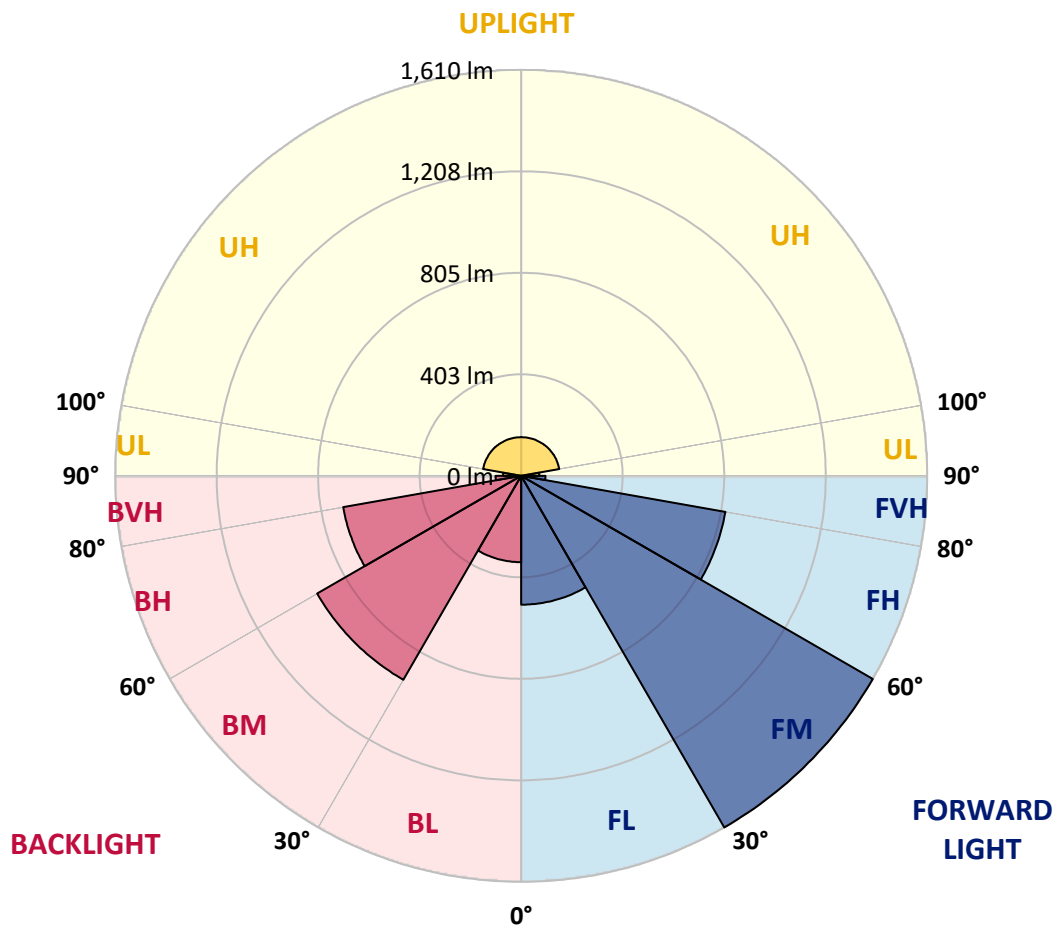
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	511.0	9.5			
FM	(30°-60°)	1610.1	30.0			
FH	(60°-80°)	822.5	15.3			G1/1800
FVH	(80°-90°)	96.4	1.8			G1/100
BL	(0°-30°)	342.5	6.4	B1/500		
BM	(30°-60°)	934.2	17.4	B1/1000		
BH	(60°-80°)	716.7	13.4	B2/1000		G2/1000
BVH	(80°-90°)	101.5	1.9			G2/225
UL	(90°-100°)	71.9	1.3		U3/500	
UH	(100°-180°)	153.2	2.9		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9
2.5°	855.2	856.8	856.8	862.9	858.3	858.3	849.1	842.9	842.9	835.2	822.9
5°	929.0	932.1	930.6	935.2	924.4	918.3	898.3	882.9	872.1	856.8	838.3
7.5°	1021.3	1024.4	1022.9	1022.9	1007.5	993.7	961.4	933.7	912.1	887.5	858.3
10°	1121.3	1130.5	1129.0	1125.9	1099.8	1073.6	1030.6	989.0	955.2	919.8	881.4
12.5°	1232.1	1232.1	1232.1	1209.0	1164.4	1122.9	1075.2	1033.6	1001.3	959.8	910.6
15°	1225.9	1232.1	1239.8	1275.1	1249.0	1202.8	1133.6	1069.0	1015.2	962.9	938.3
17.5°	1332.0	1345.9	1342.8	1341.3	1344.4	1322.8	1236.7	1150.5	1081.3	1009.0	901.4
20°	1445.9	1450.5	1450.5	1453.6	1416.6	1413.6	1342.8	1239.8	1155.2	1016.7	913.7
22.5°	1498.2	1508.9	1501.2	1499.7	1436.6	1381.3	1359.7	1250.5	1121.3	962.9	847.5
25°	1648.9	1658.1	1639.7	1562.8	1464.3	1373.6	1319.7	1330.5	1079.8	961.4	881.4
27.5°	1661.2	1665.8	1673.5	1690.4	1610.5	1507.4	1376.7	1142.9	1109.0	1050.6	966.0
30°	1735.0	1741.2	1722.7	1773.5	1779.7	1604.3	1350.5	1142.9	1152.1	1090.6	1052.1
32.5°	1821.2	1833.5	1836.6	1848.9	1735.0	1633.5	1329.0	1216.7	1193.6	1159.8	1061.3
35°	1958.1	1967.3	1961.2	1815.0	1708.9	1564.3	1445.9	1327.4	1242.8	1242.8	1033.6
37.5°	1904.2	1896.6	1910.4	1841.2	1753.5	1510.5	1488.9	1467.4	1359.7	1142.9	1132.1
40°	1759.7	1764.3	1761.2	1859.6	1679.7	1584.3	1544.3	1479.7	1338.2	1227.5	1210.5
42.5°	1718.1	1724.3	1741.2	1659.7	1619.7	1675.1	1550.5	1375.1	1344.4	1330.5	1209.0
45°	1698.1	1662.8	1630.5	1519.7	1490.5	1492.0	1485.9	1482.8	1427.4	1315.1	1109.0
47.5°	1376.7	1379.7	1398.2	1475.1	1453.6	1498.2	1468.9	1427.4	1372.0	1124.4	1056.7
50°	1284.4	1285.9	1310.5	1349.0	1413.6	1528.9	1512.0	1416.6	1324.4	1256.7	1181.3
52.5°	1242.8	1239.8	1250.5	1275.1	1338.2	1461.3	1455.1	1418.2	1389.0	1353.6	1253.6
55°	1161.3	1149.0	1170.5	1207.5	1262.8	1385.9	1447.4	1445.9	1441.3	1401.3	1312.1
57.5°	1022.9	1019.8	1036.7	1087.5	1170.5	1281.3	1387.4	1422.8	1436.6	1438.2	1369.0
60°	890.6	882.9	904.4	966.0	1036.7	1195.2	1309.0	1370.5	1421.3	1442.8	1422.8
62.5°	787.5	779.8	796.8	846.0	926.0	1065.9	1232.1	1345.9	1429.0	1448.9	1429.0
65°	704.5	704.5	707.6	753.7	819.8	912.1	1133.6	1262.8	1379.7	1419.7	1409.0
67.5°	624.5	633.7	632.2	678.3	724.5	824.5	958.3	1110.6	1292.1	1350.5	1345.9
70°	506.1	504.5	519.9	586.0	655.3	727.6	841.4	990.6	1122.9	1167.5	1179.8
72.5°	433.8	429.1	439.9	476.8	543.0	627.6	692.2	773.7	847.5	936.7	941.4
75°	358.4	355.3	364.5	393.8	432.2	479.9	510.7	572.2	636.8	699.9	695.2
77.5°	281.5	278.4	284.6	306.1	333.8	372.2	407.6	453.8	467.6	492.2	504.5
80°	216.9	213.8	221.5	253.8	270.7	287.6	295.3	313.8	319.9	350.7	383.0
82.5°	176.9	173.8	183.0	187.7	189.2	203.0	216.9	227.6	240.0	258.4	259.9
85°	124.6	124.6	129.2	133.8	138.4	149.2	161.5	170.7	181.5	192.3	200.0
87.5°	100.0	100.0	101.5	103.1	110.7	118.4	127.7	138.4	147.7	152.3	155.4
90°	86.1	87.7	87.7	89.2	90.8	93.8	98.4	106.1	110.7	113.8	115.4
92.5°	80.0	80.0	80.0	80.0	78.4	76.9	76.9	78.4	81.5	83.1	81.5
95°	76.9	76.9	76.9	73.8	75.4	73.8	69.2	66.1	63.1	63.1	61.5
97.5°	69.2	69.2	69.2	66.1	64.6	64.6	63.1	60.0	56.9	55.4	52.3
100°	56.9	56.9	56.9	56.9	60.0	61.5	60.0	60.0	58.5	55.4	53.8
102.5°	52.3	52.3	52.3	53.8	58.5	64.6	67.7	67.7	64.6	63.1	61.5
105°	53.8	53.8	53.8	63.1	75.4	75.4	67.7	67.7	70.8	76.9	76.9
107.5°	52.3	52.3	53.8	66.1	90.8	107.7	107.7	93.8	95.4	89.2	84.6
110°	52.3	52.3	52.3	56.9	63.1	73.8	98.4	118.4	136.9	136.9	132.3

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CANDELA DISTRIBUTION (continued):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	49.2	49.2	50.8	52.3	55.4	61.5	69.2	86.1	100.0	112.3	115.4
115°	49.2	49.2	49.2	50.8	53.8	58.5	64.6	73.8	81.5	87.7	83.1
117.5°	47.7	47.7	49.2	47.7	49.2	53.8	58.5	61.5	63.1	60.0	52.3
120°	40.0	40.0	40.0	41.5	43.1	44.6	46.1	47.7	44.6	43.1	40.0
122.5°	35.4	35.4	35.4	35.4	35.4	35.4	38.5	38.5	40.0	38.5	38.5
125°	27.7	27.7	29.2	27.7	29.2	29.2	30.8	32.3	32.3	32.3	32.3
127.5°	24.6	24.6	24.6	24.6	24.6	24.6	26.1	27.7	27.7	26.1	26.1
130°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	23.1	23.1	23.1	21.5
132.5°	23.1	21.5	23.1	21.5	21.5	21.5	20.0	21.5	21.5	21.5	20.0
135°	21.5	21.5	20.0	20.0	20.0	20.0	18.5	18.5	20.0	18.5	16.9
137.5°	16.9	18.5	18.5	16.9	16.9	16.9	16.9	16.9	15.4	15.4	15.4
140°	15.4	15.4	15.4	15.4	15.4	13.8	15.4	13.8	13.8	13.8	13.8
142.5°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	12.3	12.3	12.3
145°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.8
147.5°	12.3	12.3	12.3	12.3	12.3	12.3	10.8	10.8	10.8	10.8	10.8
150°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	9.2
152.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
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°	3.1	3.1	3.1	3.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
162.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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°	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9	822.9
2.5°	819.8	818.3	821.4	821.4	816.8	812.1	809.1	806.0	806.0	807.5	807.5
5°	833.7	830.6	827.5	829.1	824.5	819.8	818.3	815.2	815.2	816.8	818.3
7.5°	850.6	846.0	844.5	842.9	839.8	836.8	835.2	833.7	833.7	835.2	836.8
10°	870.6	864.4	859.8	861.4	853.7	847.5	844.5	841.4	847.5	852.1	856.8
12.5°	896.7	890.6	875.2	867.5	842.9	832.1	826.0	826.0	830.6	832.1	835.2
15°	921.4	901.4	862.9	866.0	859.8	852.1	846.0	833.7	812.1	789.1	793.7
17.5°	870.6	876.8	892.1	892.1	887.5	878.3	861.4	827.5	801.4	793.7	796.8
20°	889.1	878.3	892.1	918.3	909.1	896.7	849.1	807.5	781.4	775.2	775.2
22.5°	821.4	807.5	826.0	876.8	884.4	827.5	755.2	741.4	749.1	747.5	747.5
25°	849.1	830.6	810.6	821.4	869.1	764.5	733.7	712.2	712.2	736.8	749.1
27.5°	926.0	901.4	864.4	798.3	727.6	753.7	746.0	724.5	710.6	679.9	659.9
30°	1006.0	973.7	856.8	802.9	696.8	715.2	724.5	729.1	675.3	641.4	639.9
32.5°	1032.1	967.5	904.4	789.1	719.9	686.0	704.5	656.8	649.1	632.2	630.6
35°	979.8	949.0	949.0	816.8	747.5	692.2	638.3	624.5	612.2	636.8	636.8
37.5°	1081.3	1027.5	861.4	855.2	779.8	679.9	623.0	630.6	606.0	595.3	601.4
40°	1182.8	1078.3	913.7	836.8	762.9	698.3	646.0	610.7	599.9	543.0	536.8
42.5°	1099.8	1079.8	976.7	810.6	746.0	730.6	687.6	630.6	556.8	549.1	553.7
45°	1049.0	1001.3	950.6	862.9	789.1	762.9	684.5	621.4	572.2	555.3	552.2
47.5°	1021.3	959.8	876.8	855.2	792.2	767.5	767.5	647.6	578.3	536.8	532.2
50°	1139.8	1089.0	978.3	881.4	835.2	812.1	850.6	692.2	604.5	556.8	547.6
52.5°	1207.5	1152.1	1053.6	950.6	872.1	844.5	893.7	738.3	644.5	604.5	593.7
55°	1264.4	1213.6	1098.2	1002.9	918.3	882.9	896.7	782.9	692.2	656.8	658.3
57.5°	1336.7	1282.8	1142.9	1036.7	949.0	913.7	893.7	821.4	729.1	704.5	702.9
60°	1413.6	1350.5	1205.9	1064.4	970.6	933.7	924.4	861.4	752.2	719.9	709.1
62.5°	1402.8	1364.3	1261.3	1115.2	1009.0	958.3	919.8	842.9	772.2	729.1	704.5
65°	1376.7	1345.9	1244.4	1092.1	984.4	922.9	835.2	784.5	753.7	712.2	716.8
67.5°	1325.9	1285.9	1170.5	1022.9	890.6	787.5	716.8	653.7	658.3	658.3	667.6
70°	1130.5	1119.8	989.0	887.5	790.6	696.8	612.2	564.5	533.7	496.8	492.2
72.5°	899.8	890.6	781.4	684.5	639.9	596.8	546.0	461.4	410.7	383.0	381.5
75°	666.0	658.3	607.6	544.5	504.5	467.6	426.1	370.7	330.7	316.9	313.8
77.5°	484.5	466.1	449.1	435.3	427.6	392.2	339.9	299.9	279.9	272.3	270.7
80°	369.2	352.2	335.3	319.9	324.6	309.2	281.5	261.5	249.2	243.0	243.0
82.5°	253.8	250.7	247.6	241.5	247.6	232.3	218.4	206.1	221.5	233.8	235.3
85°	200.0	198.4	200.0	189.2	189.2	172.3	167.7	156.9	153.8	153.8	152.3
87.5°	155.4	156.9	160.0	149.2	146.1	135.4	129.2	124.6	120.0	115.4	116.9
90°	115.4	116.9	116.9	109.2	106.1	98.4	93.8	90.8	86.1	81.5	81.5
92.5°	81.5	81.5	81.5	76.9	75.4	70.8	67.7	66.1	66.1	66.1	66.1
95°	61.5	61.5	60.0	56.9	55.4	53.8	55.4	53.8	52.3	46.1	47.7
97.5°	50.8	49.2	49.2	47.7	46.1	44.6	41.5	36.9	32.3	26.1	27.7
100°	52.3	50.8	49.2	49.2	46.1	36.9	30.8	26.1	21.5	16.9	16.9
102.5°	61.5	60.0	55.4	52.3	47.7	38.5	29.2	23.1	18.5	10.8	10.8
105°	73.8	70.8	61.5	56.9	49.2	38.5	30.8	24.6	16.9	7.7	6.2
107.5°	81.5	73.8	67.7	64.6	64.6	56.9	46.1	27.7	13.8	6.2	3.1
110°	129.2	121.5	106.1	96.9	86.1	66.1	38.5	21.5	9.2	4.6	3.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	113.8	109.2	93.8	75.4	56.9	40.0	23.1	15.4	9.2	3.1	3.1
115°	76.9	70.8	55.4	46.1	35.4	26.1	18.5	13.8	9.2	4.6	1.5
117.5°	47.7	44.6	38.5	32.3	29.2	23.1	16.9	12.3	6.2	1.5	0.0
120°	38.5	36.9	32.3	29.2	23.1	20.0	13.8	10.8	4.6	0.0	0.0
122.5°	35.4	33.8	29.2	24.6	21.5	16.9	12.3	7.7	3.1	1.5	0.0
125°	30.8	30.8	27.7	23.1	20.0	16.9	10.8	6.2	1.5	1.5	1.5
127.5°	24.6	24.6	21.5	20.0	15.4	12.3	9.2	6.2	1.5	1.5	1.5
130°	21.5	20.0	18.5	15.4	12.3	9.2	7.7	4.6	1.5	1.5	1.5
132.5°	20.0	18.5	15.4	13.8	10.8	7.7	6.2	4.6	1.5	1.5	1.5
135°	16.9	15.4	13.8	12.3	9.2	7.7	6.2	3.1	1.5	1.5	1.5
137.5°	13.8	13.8	12.3	10.8	7.7	7.7	6.2	3.1	1.5	1.5	1.5
140°	12.3	12.3	10.8	9.2	7.7	6.2	4.6	3.1	1.5	1.5	1.5
142.5°	10.8	10.8	9.2	7.7	6.2	4.6	3.1	1.5	1.5	1.5	1.5
145°	10.8	10.8	9.2	7.7	6.2	4.6	3.1	1.5	1.5	1.5	1.5
147.5°	9.2	9.2	9.2	7.7	4.6	4.6	3.1	1.5	1.5	1.5	1.5
150°	9.2	9.2	7.7	6.2	4.6	3.1	3.1	1.5	1.5	1.5	1.5
152.5°	7.7	7.7	7.7	6.2	4.6	3.1	1.5	1.5	1.5	1.5	1.5
155°	7.7	6.2	6.2	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
157.5°	6.2	6.2	4.6	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
160°	4.6	4.6	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5
165°	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)