

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: P853455

Luminaire Tested: **CRTK-N-50-730-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853455
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-50-730-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

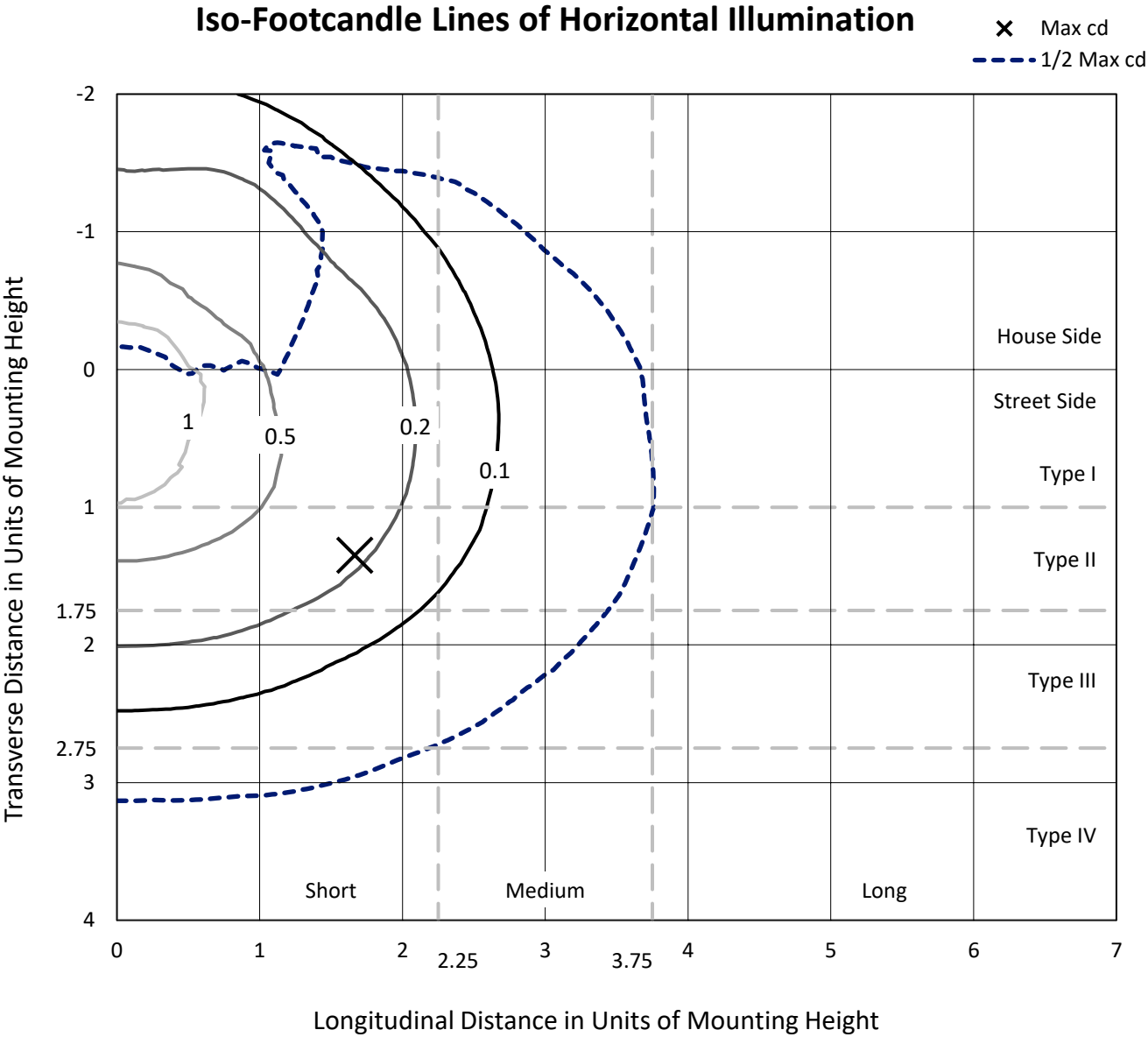
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5854 lumens
Efficiency: N/A
Efficacy: 122.7 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): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

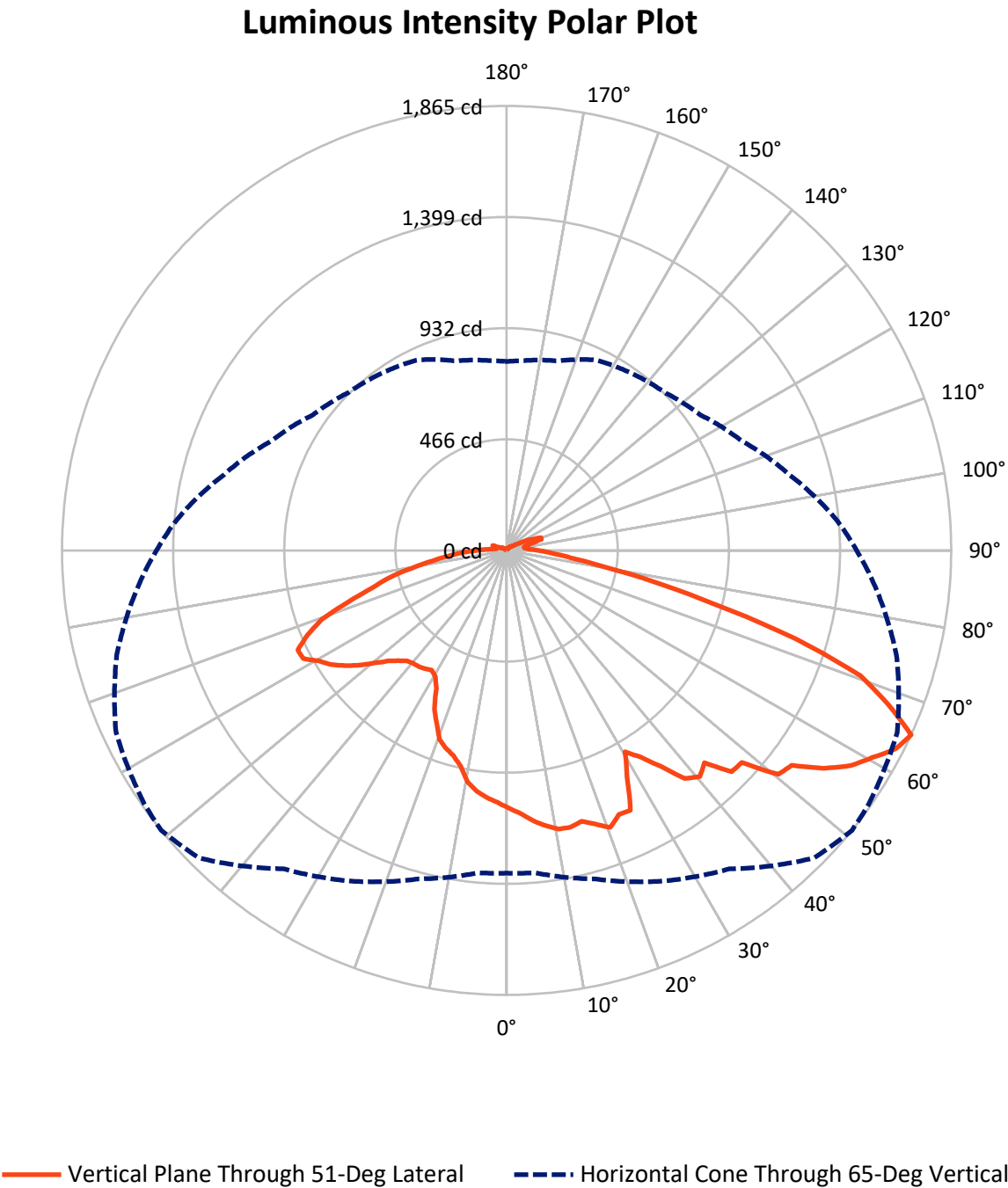


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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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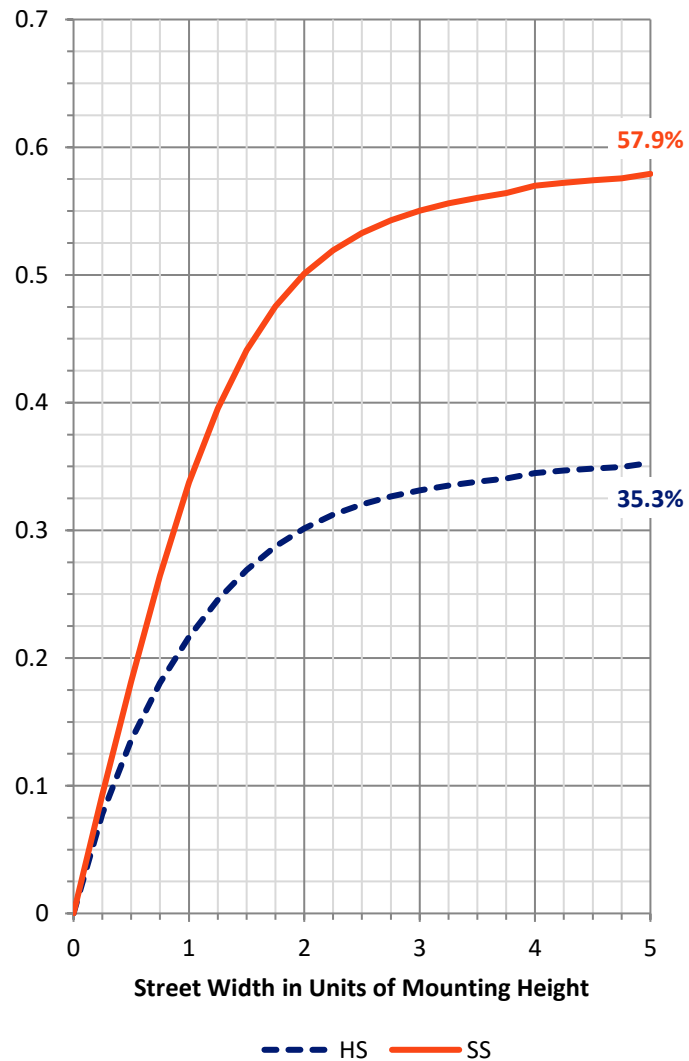
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2137.0	91.7	2228.7
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	3444.6	180.7	3625.3
	% Fixture	58.8	3.1	61.9
Total	Lumens	5581.6	272.4	5854.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	1.8
10°-20°	292.0	5.0
20°-30°	428.3	7.3
30°-40°	595.9	10.2
40°-50°	782.4	13.4
50°-60°	1063.1	18.2
60°-70°	1262.5	21.6
70°-80°	785.7	13.4
80°-90°	268.1	4.6
90°-100°	89.8	1.5
100°-110°	78.0	1.3
110°-120°	63.3	1.1
120°-130°	22.3	0.4
130°-140°	10.5	0.2
140°-150°	5.3	0.1
150°-160°	2.6	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5581.6	95.3
0°-180°	5854.0	100.0

Coefficient of Utilization



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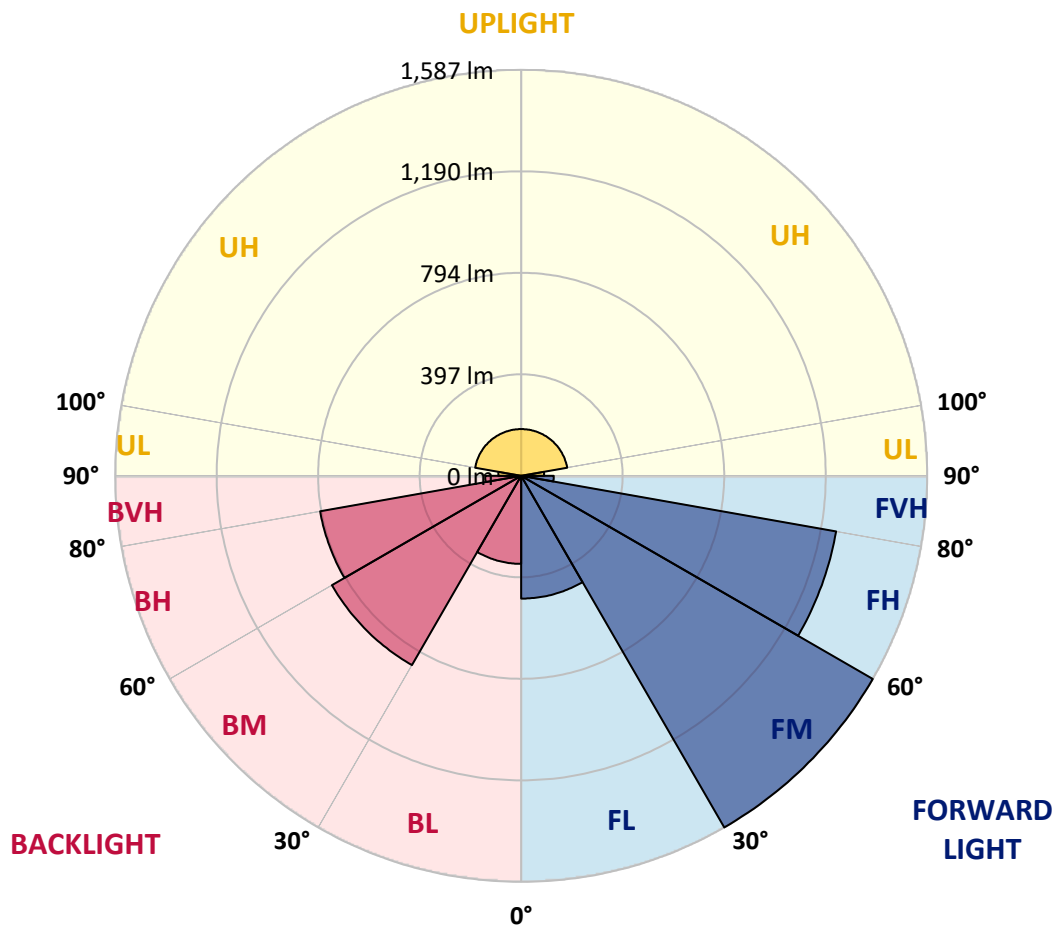
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	480.0	8.2			
FM	(30°-60°)	1587.1	27.1			
FH	(60°-80°)	1250.3	21.4			G1/1800
FVH	(80°-90°)	127.3	2.2			G2/225
BL	(0°-30°)	344.0	5.9	B1/500		
BM	(30°-60°)	854.3	14.6	B1/1000		
BH	(60°-80°)	797.9	13.6	B2/1000		G2/1000
BVH	(80°-90°)	140.8	2.4			G2/225
UL	(90°-100°)	89.8	1.5		U3/500	
UH	(100°-180°)	182.6	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°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9
2.5°	1107.8	1112.9	1116.3	1119.6	1116.3	1109.5	1104.5	1104.5	1102.8	1092.7	1077.5
5°	1151.7	1155.0	1156.7	1158.4	1155.0	1144.9	1138.2	1134.8	1128.1	1111.2	1089.3
7.5°	1183.7	1187.1	1192.1	1190.5	1187.1	1171.9	1165.2	1160.1	1151.7	1129.8	1099.4
10°	1202.3	1207.3	1214.1	1215.8	1210.7	1197.2	1188.8	1180.3	1168.5	1139.9	1101.1
12.5°	1219.1	1222.5	1219.1	1209.0	1207.3	1195.5	1192.1	1193.8	1185.4	1158.4	1107.8
15°	1143.2	1151.7	1183.7	1187.1	1193.8	1185.4	1178.7	1171.9	1151.7	1131.4	1112.9
17.5°	1116.3	1121.3	1150.0	1200.6	1220.8	1215.8	1207.3	1200.6	1178.7	1133.1	1032.0
20°	1128.1	1131.4	1148.3	1168.5	1237.7	1242.7	1241.0	1234.3	1209.0	1111.2	1011.7
22.5°	1104.5	1109.5	1131.4	1143.2	1183.7	1214.1	1203.9	1193.8	1133.1	1028.6	932.5
25°	1180.3	1182.0	1150.0	1097.7	1082.5	1138.2	1207.3	1220.8	1072.4	984.7	913.9
27.5°	1241.0	1246.1	1239.4	1192.1	1160.1	1121.3	1075.8	1025.2	1060.6	1032.0	952.7
30°	1308.5	1327.0	1349.0	1328.7	1246.1	1089.3	979.7	981.4	1042.1	1042.1	999.9
32.5°	1404.6	1446.8	1435.0	1401.2	1268.0	1064.0	1033.6	1025.2	1069.1	1050.5	994.9
35°	1529.4	1551.3	1492.3	1384.4	1284.9	1146.6	1111.2	1094.3	1064.0	1118.0	934.2
37.5°	1615.4	1591.8	1551.3	1458.6	1225.9	1220.8	1214.1	1200.6	1153.4	1006.7	1001.6
40°	1576.6	1605.3	1639.0	1465.3	1313.6	1264.7	1247.8	1273.1	1138.2	1052.2	1062.3
42.5°	1652.5	1694.6	1586.7	1497.3	1448.4	1338.8	1217.4	1170.2	1178.7	1150.0	1047.1
45°	1711.5	1667.7	1571.5	1461.9	1396.2	1349.0	1323.7	1303.4	1237.7	1133.1	984.7
47.5°	1460.2	1510.8	1519.3	1482.2	1475.4	1386.1	1328.7	1306.8	1244.4	996.5	913.9
50°	1483.9	1499.0	1488.9	1537.8	1595.1	1527.7	1477.1	1413.0	1239.4	1136.5	1042.1
52.5°	1534.4	1551.3	1556.4	1580.0	1600.2	1547.9	1497.3	1446.8	1354.0	1249.5	1129.8
55°	1586.7	1593.5	1603.6	1623.8	1654.2	1650.8	1613.7	1563.1	1480.5	1367.5	1230.9
57.5°	1571.5	1585.0	1600.2	1657.5	1701.4	1738.5	1703.1	1667.7	1588.4	1473.7	1333.8
60°	1529.4	1547.9	1588.4	1659.2	1735.1	1795.8	1763.8	1741.8	1666.0	1569.9	1435.0
62.5°	1458.6	1465.3	1526.0	1618.8	1704.7	1821.1	1832.9	1814.4	1772.2	1657.5	1502.4
65°	1354.0	1357.4	1426.5	1531.1	1630.6	1824.5	1864.9	1854.8	1807.6	1692.9	1544.6
67.5°	1229.2	1230.9	1291.6	1382.7	1482.2	1637.3	1728.4	1767.1	1811.0	1684.5	1546.2
70°	1057.2	1058.9	1114.6	1215.8	1301.7	1475.4	1574.9	1628.9	1672.7	1558.0	1441.7
72.5°	915.6	917.3	939.2	1003.3	1080.9	1205.6	1266.3	1306.8	1359.1	1325.4	1212.4
75°	782.4	767.2	768.9	772.3	794.2	866.7	898.7	937.5	996.5	1001.6	919.0
77.5°	600.3	586.8	576.7	566.6	554.8	600.3	627.3	654.2	681.2	684.6	652.6
80°	418.2	409.7	413.1	403.0	386.1	408.1	411.4	421.6	438.4	467.1	480.6
82.5°	296.8	273.2	276.5	264.7	261.4	278.2	285.0	288.3	308.6	335.6	323.8
85°	178.7	177.1	183.8	183.8	185.5	202.3	212.5	212.5	232.7	247.9	251.2
87.5°	129.8	126.5	133.2	140.0	145.0	158.5	165.2	166.9	180.4	193.9	193.9
90°	106.2	106.2	109.6	113.0	116.3	123.1	128.2	129.8	136.6	141.6	143.3
92.5°	92.7	92.7	94.4	94.4	94.4	96.1	96.1	97.8	104.5	104.5	101.2
95°	89.4	87.7	87.7	89.4	91.1	89.4	86.0	84.3	82.6	80.9	75.9
97.5°	82.6	80.9	82.6	82.6	79.3	79.3	77.6	77.6	72.5	69.1	62.4
100°	74.2	75.9	75.9	77.6	75.9	75.9	74.2	74.2	69.1	65.8	64.1
102.5°	82.6	86.0	82.6	82.6	84.3	80.9	80.9	82.6	79.3	79.3	77.6
105°	89.4	94.4	104.5	113.0	109.6	101.2	99.5	102.9	99.5	99.5	94.4
107.5°	87.7	91.1	97.8	123.1	143.3	155.1	153.4	156.8	145.0	128.2	107.9
110°	86.0	87.7	92.7	104.5	121.4	143.3	153.4	160.2	172.0	160.2	141.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	92.7	96.1	99.5	104.5	109.6	116.3	119.7	124.8	134.9	134.9	124.8
115°	101.2	99.5	99.5	99.5	101.2	106.2	104.5	104.5	104.5	97.8	82.6
117.5°	79.3	75.9	77.6	77.6	77.6	80.9	77.6	75.9	74.2	64.1	54.0
120°	52.3	50.6	52.3	55.6	54.0	55.6	54.0	52.3	50.6	47.2	42.2
122.5°	43.8	42.2	42.2	42.2	42.2	43.8	45.5	43.8	43.8	42.2	38.8
125°	32.0	32.0	32.0	32.0	32.0	33.7	35.4	35.4	35.4	35.4	32.0
127.5°	27.0	27.0	27.0	27.0	27.0	28.7	30.4	30.4	28.7	28.7	27.0
130°	23.6	23.6	23.6	23.6	23.6	25.3	25.3	25.3	25.3	23.6	21.9
132.5°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	20.2
135°	20.2	20.2	20.2	20.2	21.9	20.2	21.9	21.9	20.2	20.2	16.9
137.5°	18.5	16.9	18.5	16.9	18.5	18.5	18.5	16.9	16.9	16.9	13.5
140°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	13.5
142.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.8
145°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.8	11.8	10.1
147.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	10.1
150°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	10.1	10.1
152.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.4
155°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
157.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
160°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
162.5°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	3.4	3.4
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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°	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9	1080.9
2.5°	1074.1	1070.7	1070.7	1072.4	1062.3	1052.2	1045.4	1040.4	1038.7	1040.4	1035.3
5°	1084.2	1079.2	1069.1	1058.9	1047.1	1030.3	1020.2	1010.0	1006.7	1008.3	1006.7
7.5°	1089.3	1080.9	1064.0	1048.8	1026.9	1005.0	991.5	979.7	972.9	974.6	971.3
10°	1087.6	1074.1	1048.8	1026.9	996.5	969.6	951.0	935.8	930.8	932.5	930.8
12.5°	1089.3	1070.7	1033.6	993.2	940.9	902.1	880.2	868.4	866.7	878.5	878.5
15°	1089.3	1047.1	972.9	940.9	902.1	870.1	849.8	829.6	816.1	785.8	784.1
17.5°	988.1	998.2	964.5	922.4	880.2	849.8	819.5	790.8	760.5	760.5	757.1
20°	974.6	949.3	927.4	900.4	854.9	822.9	787.5	743.6	725.1	726.8	725.1
22.5°	893.7	875.1	829.6	836.4	800.9	753.7	706.5	679.5	681.2	694.7	694.7
25°	873.5	838.0	779.0	753.7	768.9	672.8	655.9	649.2	657.6	682.9	681.2
27.5°	910.5	866.7	790.8	711.6	645.8	654.2	655.9	655.9	659.3	647.5	639.1
30°	949.3	898.7	762.2	681.2	598.6	618.8	644.1	667.7	642.4	627.3	629.0
32.5°	967.9	870.1	763.8	654.2	595.2	588.5	634.0	620.5	630.6	630.6	635.7
35°	876.8	838.0	785.8	655.9	608.7	591.9	590.2	605.3	612.1	644.1	649.2
37.5°	939.2	880.2	714.9	677.9	627.3	585.1	575.0	613.8	617.1	617.1	629.0
40°	1008.3	917.3	745.3	666.0	620.5	605.3	595.2	602.0	618.8	581.7	581.7
42.5°	966.2	900.4	779.0	659.3	617.1	632.3	634.0	615.5	588.5	602.0	607.0
45°	932.5	849.8	765.5	691.3	647.5	649.2	635.7	612.1	595.2	617.1	617.1
47.5°	865.0	817.8	741.9	709.9	676.2	684.6	703.1	630.6	612.1	571.6	549.7
50°	986.4	930.8	831.3	747.0	723.4	731.8	777.3	684.6	625.6	578.4	578.4
52.5°	1064.0	1010.0	902.1	814.4	775.7	789.1	826.2	716.6	657.6	622.2	615.5
55°	1151.7	1085.9	974.6	876.8	833.0	831.3	853.2	770.6	711.6	669.4	676.2
57.5°	1241.0	1178.7	1043.8	934.2	880.2	875.1	878.5	836.4	750.4	723.4	733.5
60°	1360.8	1281.5	1118.0	978.0	912.2	915.6	912.2	880.2	800.9	757.1	757.1
62.5°	1438.3	1347.3	1195.5	1058.9	976.3	951.0	940.9	897.1	827.9	777.3	780.7
65°	1468.7	1394.5	1227.6	1087.6	991.5	937.5	908.9	881.9	822.9	799.3	792.5
67.5°	1460.2	1381.0	1215.8	1064.0	947.6	846.5	797.6	750.4	770.6	763.8	757.1
70°	1364.1	1274.8	1089.3	974.6	871.8	762.2	682.9	654.2	652.6	645.8	605.3
72.5°	1158.4	1077.5	919.0	819.5	725.1	652.6	625.6	568.2	531.2	502.5	487.3
75°	902.1	849.8	758.8	686.3	600.3	553.1	502.5	458.6	445.2	443.5	431.7
77.5°	654.2	629.0	595.2	573.3	524.4	472.1	428.3	409.7	401.3	396.3	394.6
80°	482.3	475.5	450.2	443.5	413.1	384.5	365.9	365.9	364.2	369.3	367.6
82.5°	328.8	323.8	327.1	335.6	320.4	305.2	300.1	311.9	335.6	354.1	350.7
85°	258.0	252.9	251.2	254.6	249.6	241.1	241.1	247.9	246.2	249.6	241.1
87.5°	200.7	199.0	193.9	197.3	190.5	187.2	187.2	188.9	187.2	187.2	185.5
90°	148.4	148.4	145.0	148.4	140.0	136.6	138.3	136.6	126.5	121.4	118.0
92.5°	104.5	102.9	99.5	102.9	96.1	94.4	94.4	89.4	87.7	86.0	86.0
95°	77.6	75.9	72.5	70.8	67.4	65.8	69.1	69.1	64.1	55.6	52.3
97.5°	60.7	60.7	59.0	57.3	54.0	48.9	47.2	40.5	33.7	27.0	28.7
100°	62.4	60.7	62.4	57.3	48.9	37.1	32.0	28.7	23.6	16.9	16.9
102.5°	77.6	75.9	72.5	59.0	45.5	35.4	30.4	23.6	18.5	10.1	8.4
105°	89.4	86.0	70.8	57.3	45.5	35.4	28.7	23.6	16.9	8.4	5.1
107.5°	97.8	86.0	75.9	67.4	62.4	50.6	37.1	25.3	13.5	5.1	3.4
110°	133.2	121.4	111.3	96.1	72.5	43.8	30.4	16.9	10.1	3.4	1.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	114.7	109.6	82.6	62.4	43.8	27.0	20.2	15.2	8.4	3.4	3.4
115°	72.5	65.8	50.6	38.8	30.4	21.9	16.9	13.5	8.4	3.4	0.0
117.5°	48.9	45.5	37.1	32.0	25.3	20.2	15.2	11.8	6.7	0.0	0.0
120°	40.5	38.8	32.0	27.0	21.9	16.9	13.5	10.1	3.4	0.0	0.0
122.5°	35.4	33.7	27.0	23.6	18.5	15.2	11.8	6.7	1.7	0.0	0.0
125°	30.4	30.4	27.0	23.6	20.2	16.9	11.8	6.7	1.7	0.0	0.0
127.5°	25.3	23.6	21.9	18.5	16.9	11.8	10.1	6.7	0.0	0.0	0.0
130°	20.2	20.2	16.9	13.5	11.8	8.4	6.7	3.4	0.0	0.0	0.0
132.5°	18.5	18.5	15.2	13.5	10.1	6.7	5.1	3.4	0.0	0.0	0.0
135°	16.9	16.9	13.5	11.8	8.4	6.7	5.1	3.4	0.0	0.0	0.0
137.5°	13.5	13.5	11.8	8.4	6.7	5.1	3.4	1.7	0.0	0.0	0.0
140°	11.8	11.8	10.1	8.4	6.7	5.1	3.4	1.7	0.0	0.0	0.0
142.5°	10.1	10.1	8.4	6.7	5.1	3.4	1.7	1.7	0.0	0.0	0.0
145°	10.1	10.1	8.4	6.7	5.1	3.4	1.7	0.0	0.0	0.0	0.0
147.5°	10.1	8.4	8.4	6.7	5.1	3.4	1.7	0.0	0.0	0.0	0.0
150°	8.4	8.4	6.7	5.1	3.4	1.7	1.7	0.0	0.0	0.0	0.0
152.5°	8.4	8.4	6.7	5.1	3.4	1.7	1.7	0.0	0.0	0.0	0.0
155°	6.7	6.7	5.1	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
157.5°	6.7	5.1	5.1	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0
160°	5.1	5.1	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0
165°	3.4	3.4	3.4	1.7	1.7	1.7	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)