

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: P853392

Luminaire Tested: **CRTK-N-40-727-U-T3-CNR**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853392  
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-40-727-U-T3-CNR  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

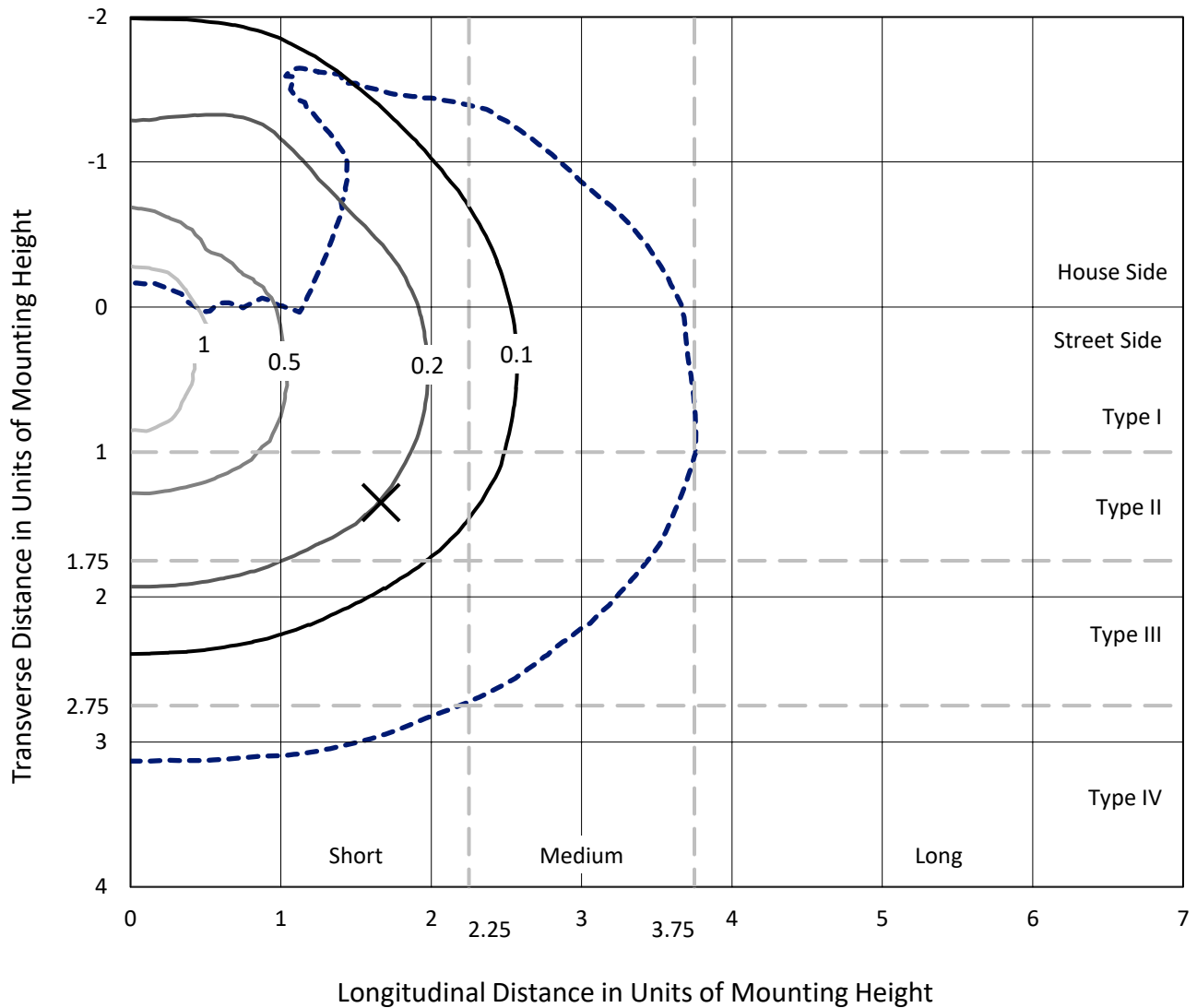
Lumens per Lamp: N/A  
Luminaire Lumens: 5153 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 42.1  
Input Voltage (V): 120.0  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

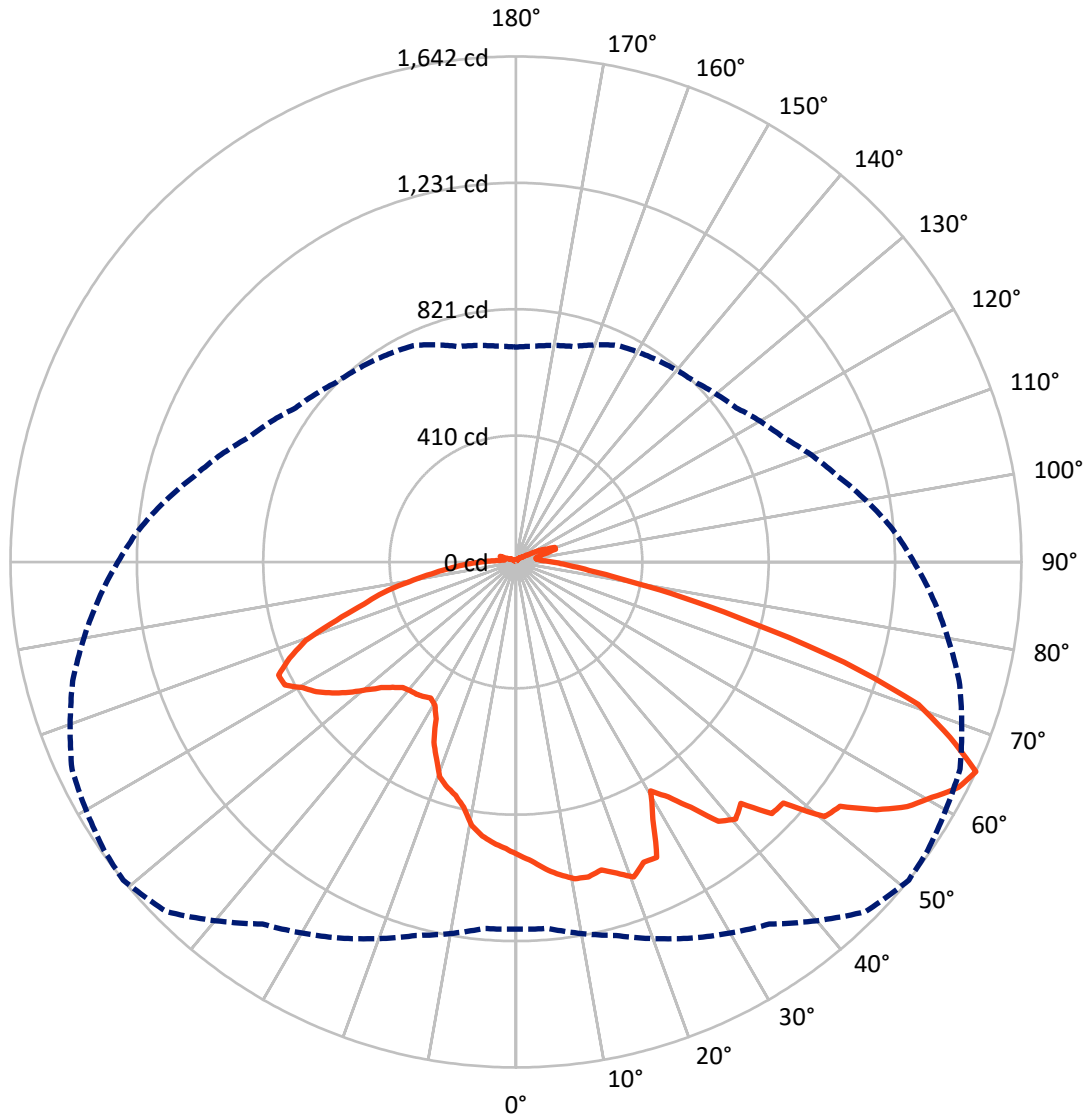
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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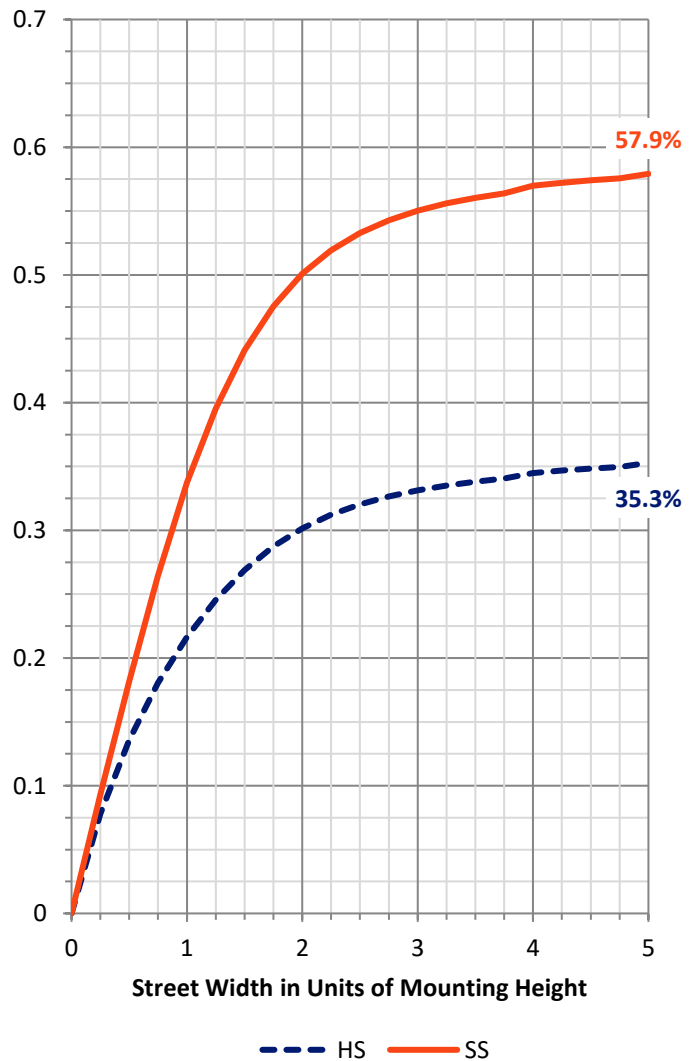
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1881.1	80.7	1961.8
	% Fixture	36.5	1.6	38.1
<b>Street Side</b>	Lumens	3032.1	159.1	3191.2
	% Fixture	58.8	3.1	61.9
<b>Total</b>	Lumens	4913.2	239.8	5153.0
	% Fixture	95.3	4.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.3	1.8
10°-20°	257.0	5.0
20°-30°	377.0	7.3
30°-40°	524.6	10.2
40°-50°	688.7	13.4
50°-60°	935.8	18.2
60°-70°	1111.3	21.6
70°-80°	691.6	13.4
80°-90°	236.0	4.6
90°-100°	79.0	1.5
100°-110°	68.6	1.3
110°-120°	55.8	1.1
120°-130°	19.7	0.4
130°-140°	9.3	0.2
140°-150°	4.6	0.1
150°-160°	2.2	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-90°	4913.2	95.3
0°-180°	5153.0	100.0



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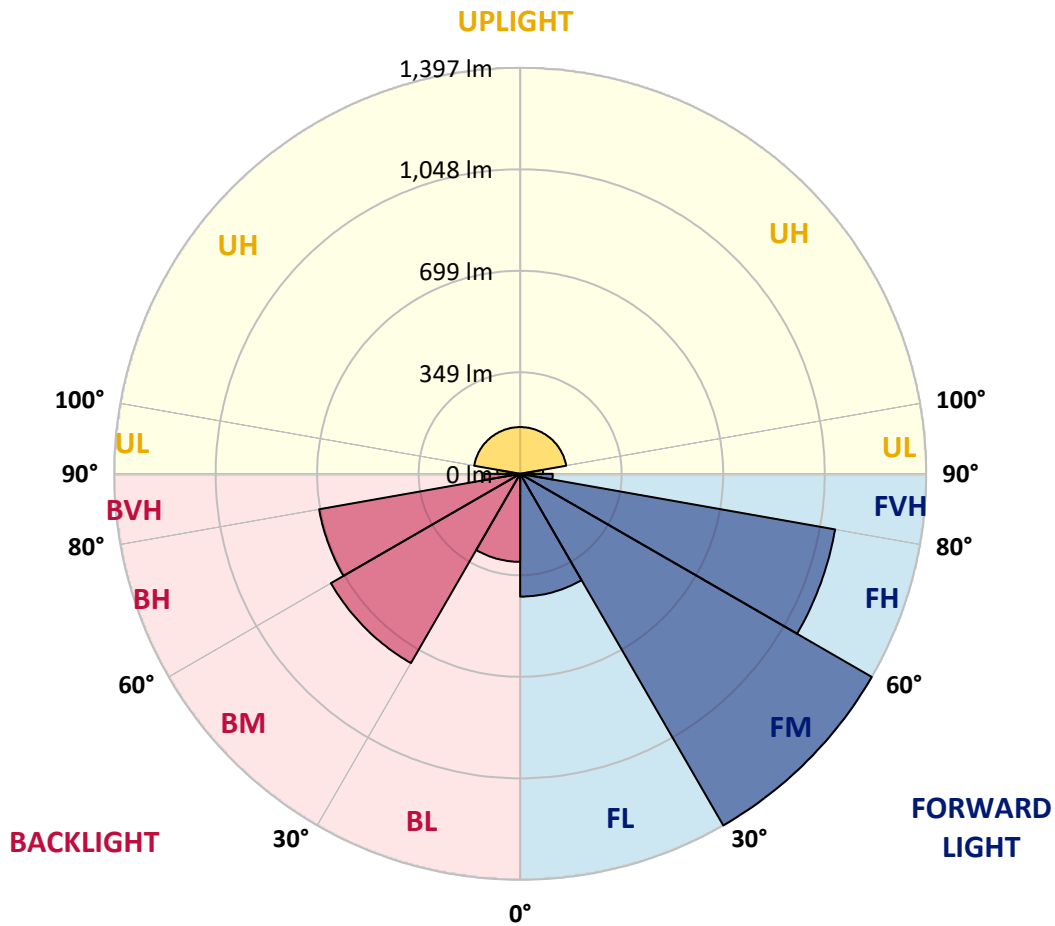
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.5	8.2			
FM (30°-60°)	1397.0	27.1			
FH (60°-80°)	1100.5	21.4			G1/1800
FVH (80°-90°)	112.1	2.2			G2/225
BL (0°-30°)	302.8	5.9	B1/500		
BM (30°-60°)	752.0	14.6	B1/1000		
BH (60°-80°)	702.3	13.6	B2/1000		G2/1000
BVH (80°-90°)	123.9	2.4			G2/225
UL (90°-100°)	79.0	1.5		U3/500	
UH (100°-180°)	160.7	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°	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4
2.5°	975.2	979.6	982.6	985.6	982.6	976.7	972.2	972.2	970.7	961.8	948.5
5°	1013.8	1016.7	1018.2	1019.7	1016.7	1007.8	1001.9	998.9	993.0	978.1	958.8
7.5°	1042.0	1044.9	1049.4	1047.9	1044.9	1031.6	1025.6	1021.2	1013.8	994.5	967.8
10°	1058.3	1062.7	1068.7	1070.2	1065.7	1053.8	1046.4	1039.0	1028.6	1003.4	969.2
12.5°	1073.1	1076.1	1073.1	1064.2	1062.7	1052.4	1049.4	1050.9	1043.5	1019.7	975.2
15°	1006.3	1013.8	1042.0	1044.9	1050.9	1043.5	1037.5	1031.6	1013.8	996.0	979.6
17.5°	982.6	987.0	1012.3	1056.8	1074.6	1070.2	1062.7	1056.8	1037.5	997.4	908.4
20°	993.0	996.0	1010.8	1028.6	1089.5	1093.9	1092.4	1086.5	1064.2	978.1	890.6
22.5°	972.2	976.7	996.0	1006.3	1042.0	1068.7	1059.8	1050.9	997.4	905.4	820.8
25°	1039.0	1040.5	1012.3	966.3	952.9	1001.9	1062.7	1074.6	944.0	866.8	804.5
27.5°	1092.4	1096.9	1090.9	1049.4	1021.2	987.0	947.0	902.4	933.6	908.4	838.6
30°	1151.8	1168.1	1187.4	1169.6	1096.9	958.8	862.4	863.9	917.3	917.3	880.2
32.5°	1236.4	1273.5	1263.1	1233.4	1116.2	936.6	909.9	902.4	941.0	924.7	875.7
35°	1346.2	1365.5	1313.6	1218.6	1131.0	1009.3	978.1	963.3	936.6	984.1	822.3
37.5°	1421.9	1401.2	1365.5	1283.9	1079.1	1074.6	1068.7	1056.8	1015.2	886.1	881.7
40°	1387.8	1413.0	1442.7	1289.8	1156.3	1113.2	1098.4	1120.6	1001.9	926.2	935.1
42.5°	1454.6	1491.7	1396.7	1318.0	1275.0	1178.5	1071.7	1030.1	1037.5	1012.3	921.7
45°	1506.5	1468.0	1383.4	1286.9	1229.0	1187.4	1165.2	1147.4	1089.5	997.4	866.8
47.5°	1285.4	1329.9	1337.3	1304.7	1298.7	1220.1	1169.6	1150.3	1095.4	877.2	804.5
50°	1306.2	1319.5	1310.6	1353.7	1404.1	1344.8	1300.2	1243.8	1090.9	1000.4	917.3
52.5°	1350.7	1365.5	1370.0	1390.8	1408.6	1362.6	1318.0	1273.5	1191.9	1099.9	994.5
55°	1396.7	1402.6	1411.6	1429.4	1456.1	1453.1	1420.5	1375.9	1303.2	1203.8	1083.5
57.5°	1383.4	1395.2	1408.6	1459.1	1497.6	1530.3	1499.1	1468.0	1398.2	1297.3	1174.1
60°	1346.2	1362.6	1398.2	1460.5	1527.3	1580.8	1552.6	1533.3	1466.5	1381.9	1263.1
62.5°	1283.9	1289.8	1343.3	1424.9	1500.6	1603.0	1613.4	1597.1	1560.0	1459.1	1322.5
65°	1191.9	1194.8	1255.7	1347.7	1435.3	1606.0	1641.6	1632.7	1591.2	1490.2	1359.6
67.5°	1082.0	1083.5	1137.0	1217.1	1304.7	1441.2	1521.4	1555.5	1594.1	1482.8	1361.1
70°	930.6	932.1	981.1	1070.2	1145.9	1298.7	1386.3	1433.8	1472.4	1371.5	1269.1
72.5°	806.0	807.4	826.7	883.1	951.4	1061.3	1114.7	1150.3	1196.3	1166.6	1067.2
75°	688.7	675.3	676.8	679.8	699.1	762.9	791.1	825.3	877.2	881.7	808.9
77.5°	528.4	516.5	507.6	498.7	488.3	528.4	552.2	575.9	599.7	602.6	574.4
80°	368.1	360.7	363.6	354.7	339.9	359.2	362.2	371.1	385.9	411.1	423.0
82.5°	261.2	240.5	243.4	233.0	230.1	244.9	250.8	253.8	271.6	295.4	285.0
85°	157.3	155.8	161.8	161.8	163.3	178.1	187.0	187.0	204.8	218.2	221.2
87.5°	114.3	111.3	117.3	123.2	127.6	139.5	145.5	146.9	158.8	170.7	170.7
90°	93.5	93.5	96.5	99.4	102.4	108.4	112.8	114.3	120.2	124.7	126.2
92.5°	81.6	81.6	83.1	83.1	83.1	84.6	84.6	86.1	92.0	92.0	89.1
95°	78.7	77.2	77.2	78.7	80.2	78.7	75.7	74.2	72.7	71.2	66.8
97.5°	72.7	71.2	72.7	72.7	69.8	69.8	68.3	68.3	63.8	60.9	54.9
100°	65.3	66.8	66.8	68.3	66.8	66.8	65.3	65.3	60.9	57.9	56.4
102.5°	72.7	75.7	72.7	72.7	74.2	71.2	71.2	72.7	69.8	69.8	68.3
105°	78.7	83.1	92.0	99.4	96.5	89.1	87.6	90.5	87.6	87.6	83.1
107.5°	77.2	80.2	86.1	108.4	126.2	136.6	135.1	138.0	127.6	112.8	95.0
110°	75.7	77.2	81.6	92.0	106.9	126.2	135.1	141.0	151.4	141.0	124.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	81.6	84.6	87.6	92.0	96.5	102.4	105.4	109.8	118.7	118.7	109.8
115°	89.1	87.6	87.6	87.6	89.1	93.5	92.0	92.0	92.0	86.1	72.7
117.5°	69.8	66.8	68.3	68.3	68.3	71.2	68.3	66.8	65.3	56.4	47.5
120°	46.0	44.5	46.0	49.0	47.5	49.0	47.5	46.0	44.5	41.6	37.1
122.5°	38.6	37.1	37.1	37.1	37.1	38.6	40.1	38.6	38.6	37.1	34.1
125°	28.2	28.2	28.2	28.2	28.2	29.7	31.2	31.2	31.2	31.2	28.2
127.5°	23.7	23.7	23.7	23.7	23.7	25.2	26.7	26.7	25.2	25.2	23.7
130°	20.8	20.8	20.8	20.8	20.8	22.3	22.3	22.3	22.3	20.8	19.3
132.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	17.8
135°	17.8	17.8	17.8	17.8	19.3	17.8	19.3	19.3	17.8	17.8	14.8
137.5°	16.3	14.8	16.3	14.8	16.3	16.3	16.3	14.8	14.8	14.8	11.9
140°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	11.9
142.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	10.4
145°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	10.4	10.4	8.9
147.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.9
150°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.9	8.9
152.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.4
155°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
157.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
160°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
162.5°	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0
165°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4
2.5°	945.5	942.5	942.5	944.0	935.1	926.2	920.3	915.8	914.3	915.8	911.3
5°	954.4	949.9	941.0	932.1	921.7	906.9	898.0	889.1	886.1	887.6	886.1
7.5°	958.8	951.4	936.6	923.2	903.9	884.6	872.8	862.4	856.4	857.9	854.9
10°	957.4	945.5	923.2	903.9	877.2	853.5	837.1	823.8	819.3	820.8	819.3
12.5°	958.8	942.5	909.9	874.2	828.2	794.1	774.8	764.4	762.9	773.3	773.3
15°	958.8	921.7	856.4	828.2	794.1	765.9	748.1	730.3	718.4	691.7	690.2
17.5°	869.8	878.7	849.0	811.9	774.8	748.1	721.4	696.1	669.4	669.4	666.4
20°	857.9	835.7	816.4	792.6	752.5	724.3	693.2	654.6	638.2	639.7	638.2
22.5°	786.7	770.3	730.3	736.2	705.0	663.5	621.9	598.2	599.7	611.5	611.5
25°	768.9	737.7	685.7	663.5	676.8	592.2	577.4	571.4	578.9	601.1	599.7
27.5°	801.5	762.9	696.1	626.4	568.5	575.9	577.4	577.4	580.4	570.0	562.5
30°	835.7	791.1	670.9	599.7	526.9	544.7	567.0	587.8	565.5	552.2	553.6
32.5°	852.0	765.9	672.4	575.9	524.0	518.0	558.1	546.2	555.1	555.1	559.6
35°	771.8	737.7	691.7	577.4	535.8	521.0	519.5	532.9	538.8	567.0	571.4
37.5°	826.7	774.8	629.3	596.7	552.2	515.0	506.1	540.3	543.2	543.2	553.6
40°	887.6	807.4	656.1	586.3	546.2	532.9	524.0	529.9	544.7	512.1	512.1
42.5°	850.5	792.6	685.7	580.4	543.2	556.6	558.1	541.8	518.0	529.9	534.3
45°	820.8	748.1	673.9	608.6	570.0	571.4	559.6	538.8	524.0	543.2	543.2
47.5°	761.4	719.9	653.1	624.9	595.2	602.6	618.9	555.1	538.8	503.2	483.9
50°	868.3	819.3	731.8	657.5	636.8	644.2	684.3	602.6	550.7	509.1	509.1
52.5°	936.6	889.1	794.1	716.9	682.8	694.6	727.3	630.8	578.9	547.7	541.8
55°	1013.8	955.9	857.9	771.8	733.2	731.8	751.0	678.3	626.4	589.3	595.2
57.5°	1092.4	1037.5	918.8	822.3	774.8	770.3	773.3	736.2	660.5	636.8	645.7
60°	1197.8	1128.1	984.1	860.9	803.0	806.0	803.0	774.8	705.0	666.4	666.4
62.5°	1266.1	1185.9	1052.4	932.1	859.4	837.1	828.2	789.6	728.8	684.3	687.2
65°	1292.8	1227.5	1080.6	957.4	872.8	825.3	800.0	776.3	724.3	703.6	697.6
67.5°	1285.4	1215.6	1070.2	936.6	834.2	745.1	702.1	660.5	678.3	672.4	666.4
70°	1200.8	1122.1	958.8	857.9	767.4	670.9	601.1	575.9	574.4	568.5	532.9
72.5°	1019.7	948.5	808.9	721.4	638.2	574.4	550.7	500.2	467.5	442.3	429.0
75°	794.1	748.1	667.9	604.1	528.4	486.8	442.3	403.7	391.9	390.4	380.0
77.5°	575.9	553.6	524.0	504.7	461.6	415.6	377.0	360.7	353.3	348.8	347.3
80°	424.5	418.6	396.3	390.4	363.6	338.4	322.1	322.1	320.6	325.1	323.6
82.5°	289.4	285.0	288.0	295.4	282.0	268.7	264.2	274.6	295.4	311.7	308.7
85°	227.1	222.6	221.2	224.1	219.7	212.3	212.3	218.2	216.7	219.7	212.3
87.5°	176.6	175.1	170.7	173.7	167.7	164.8	164.8	166.2	164.8	164.8	163.3
90°	130.6	130.6	127.6	130.6	123.2	120.2	121.7	120.2	111.3	106.9	103.9
92.5°	92.0	90.5	87.6	90.5	84.6	83.1	83.1	78.7	77.2	75.7	75.7
95°	68.3	66.8	63.8	62.3	59.4	57.9	60.9	60.9	56.4	49.0	46.0
97.5°	53.4	53.4	51.9	50.5	47.5	43.0	41.6	35.6	29.7	23.7	25.2
100°	54.9	53.4	54.9	50.5	43.0	32.7	28.2	25.2	20.8	14.8	14.8
102.5°	68.3	66.8	63.8	51.9	40.1	31.2	26.7	20.8	16.3	8.9	7.4
105°	78.7	75.7	62.3	50.5	40.1	31.2	25.2	20.8	14.8	7.4	4.5
107.5°	86.1	75.7	66.8	59.4	54.9	44.5	32.7	22.3	11.9	4.5	3.0
110°	117.3	106.9	98.0	84.6	63.8	38.6	26.7	14.8	8.9	3.0	1.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	100.9	96.5	72.7	54.9	38.6	23.7	17.8	13.4	7.4	3.0	3.0
115°	63.8	57.9	44.5	34.1	26.7	19.3	14.8	11.9	7.4	3.0	0.0
117.5°	43.0	40.1	32.7	28.2	22.3	17.8	13.4	10.4	5.9	0.0	0.0
120°	35.6	34.1	28.2	23.7	19.3	14.8	11.9	8.9	3.0	0.0	0.0
122.5°	31.2	29.7	23.7	20.8	16.3	13.4	10.4	5.9	1.5	0.0	0.0
125°	26.7	26.7	23.7	20.8	17.8	14.8	10.4	5.9	1.5	0.0	0.0
127.5°	22.3	20.8	19.3	16.3	14.8	10.4	8.9	5.9	0.0	0.0	0.0
130°	17.8	17.8	14.8	11.9	10.4	7.4	5.9	3.0	0.0	0.0	0.0
132.5°	16.3	16.3	13.4	11.9	8.9	5.9	4.5	3.0	0.0	0.0	0.0
135°	14.8	14.8	11.9	10.4	7.4	5.9	4.5	3.0	0.0	0.0	0.0
137.5°	11.9	11.9	10.4	7.4	5.9	4.5	3.0	1.5	0.0	0.0	0.0
140°	10.4	10.4	8.9	7.4	5.9	4.5	3.0	1.5	0.0	0.0	0.0
142.5°	8.9	8.9	7.4	5.9	4.5	3.0	1.5	1.5	0.0	0.0	0.0
145°	8.9	8.9	7.4	5.9	4.5	3.0	1.5	0.0	0.0	0.0	0.0
147.5°	8.9	7.4	7.4	5.9	4.5	3.0	1.5	0.0	0.0	0.0	0.0
150°	7.4	7.4	5.9	4.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	7.4	7.4	5.9	4.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0
155°	5.9	5.9	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	5.9	4.5	4.5	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	4.5	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
165°	3.0	3.0	3.0	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)