

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: P853365

Luminaire Tested: **CRTK-N-30-750-U-T3-CNR**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853365  
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-30-750-U-T3-CNR  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

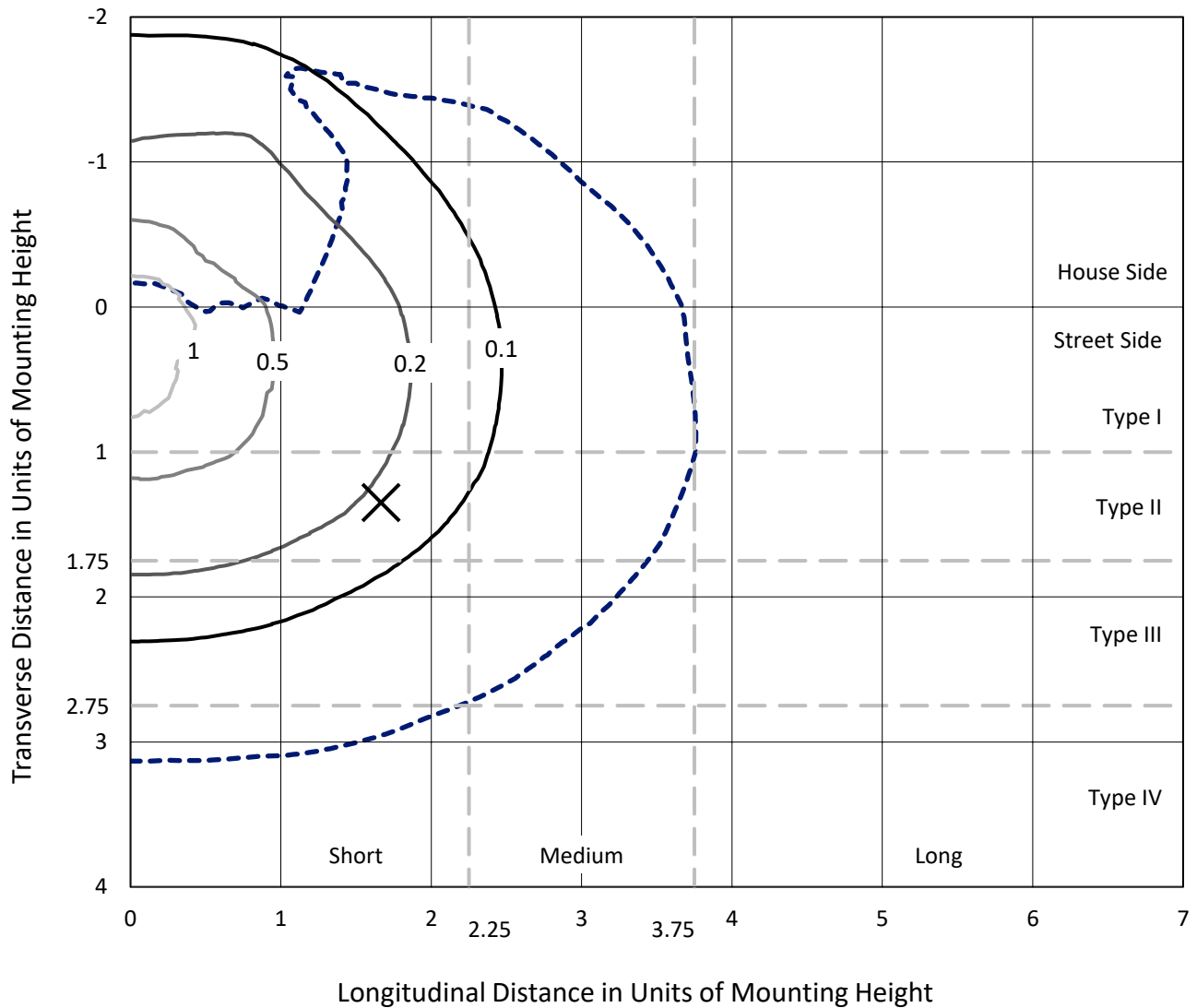
Lumens per Lamp: N/A  
Luminaire Lumens: 4542 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 32.3  
Input Voltage (V): 120.0  
Input Current (Ain): 0.271  
Voltage Rise (V): NR  
Power Factor: 0.993  
Total Harmonic Distortion (THDi): 10.1%  
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

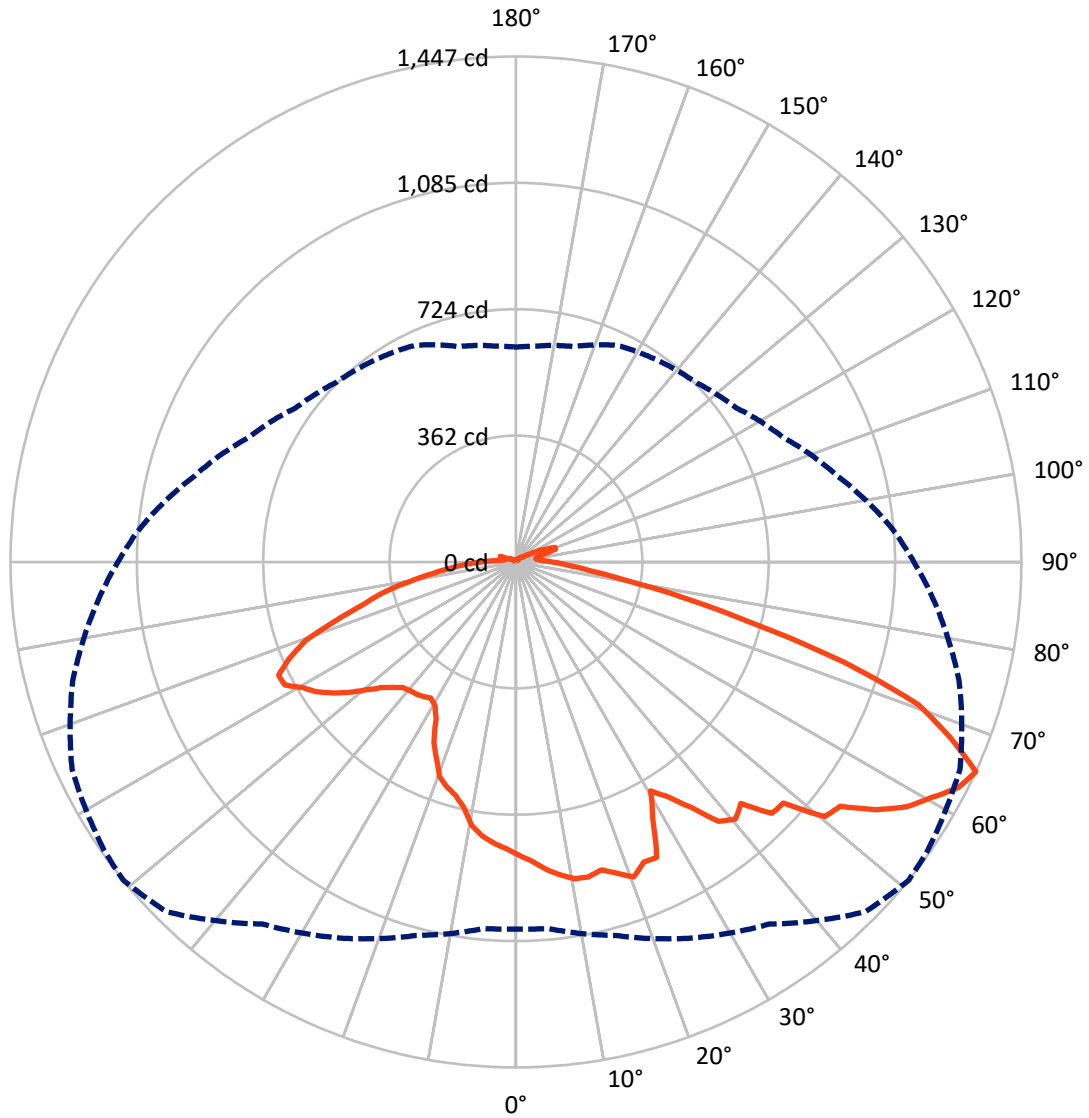
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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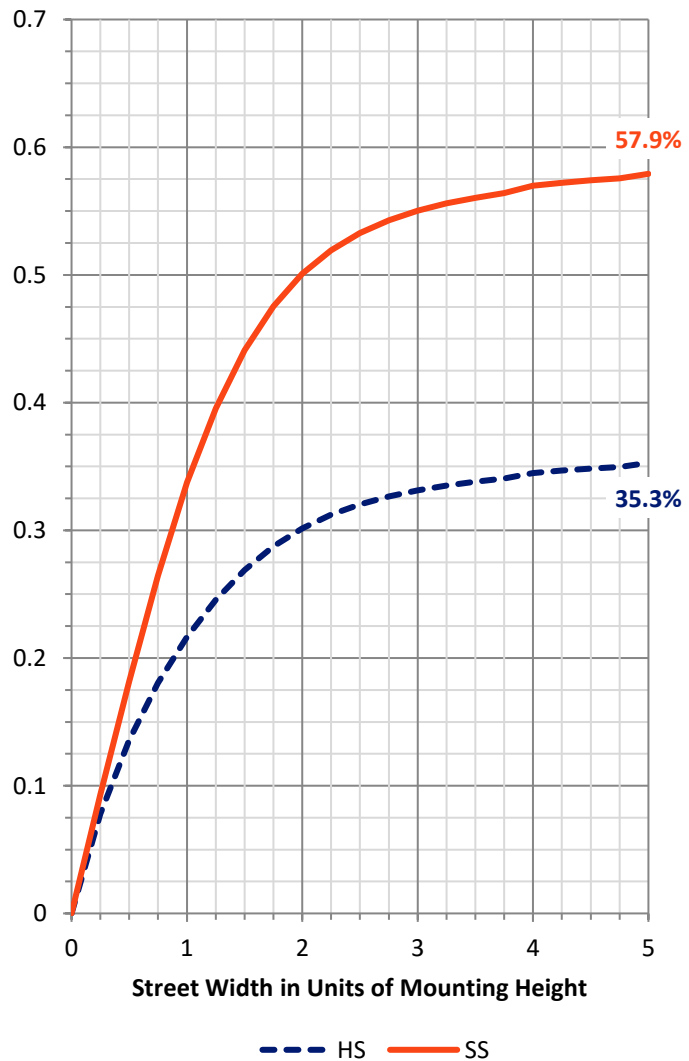
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1658.1	71.1	1729.2
	% Fixture	36.5	1.6	38.1
<b>Street Side</b>	Lumens	2672.6	140.2	2812.8
	% Fixture	58.8	3.1	61.9
<b>Total</b>	Lumens	4330.7	211.3	4542.0
	% Fixture	95.3	4.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.4	1.8
10°-20°	226.6	5.0
20°-30°	332.3	7.3
30°-40°	462.4	10.2
40°-50°	607.0	13.4
50°-60°	824.8	18.2
60°-70°	979.5	21.6
70°-80°	609.6	13.4
80°-90°	208.0	4.6
90°-100°	69.7	1.5
100°-110°	60.5	1.3
110°-120°	49.2	1.1
120°-130°	17.3	0.4
130°-140°	8.2	0.2
140°-150°	4.1	0.1
150°-160°	2.0	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	4330.7	95.3
0°-180°	4542.0	100.0



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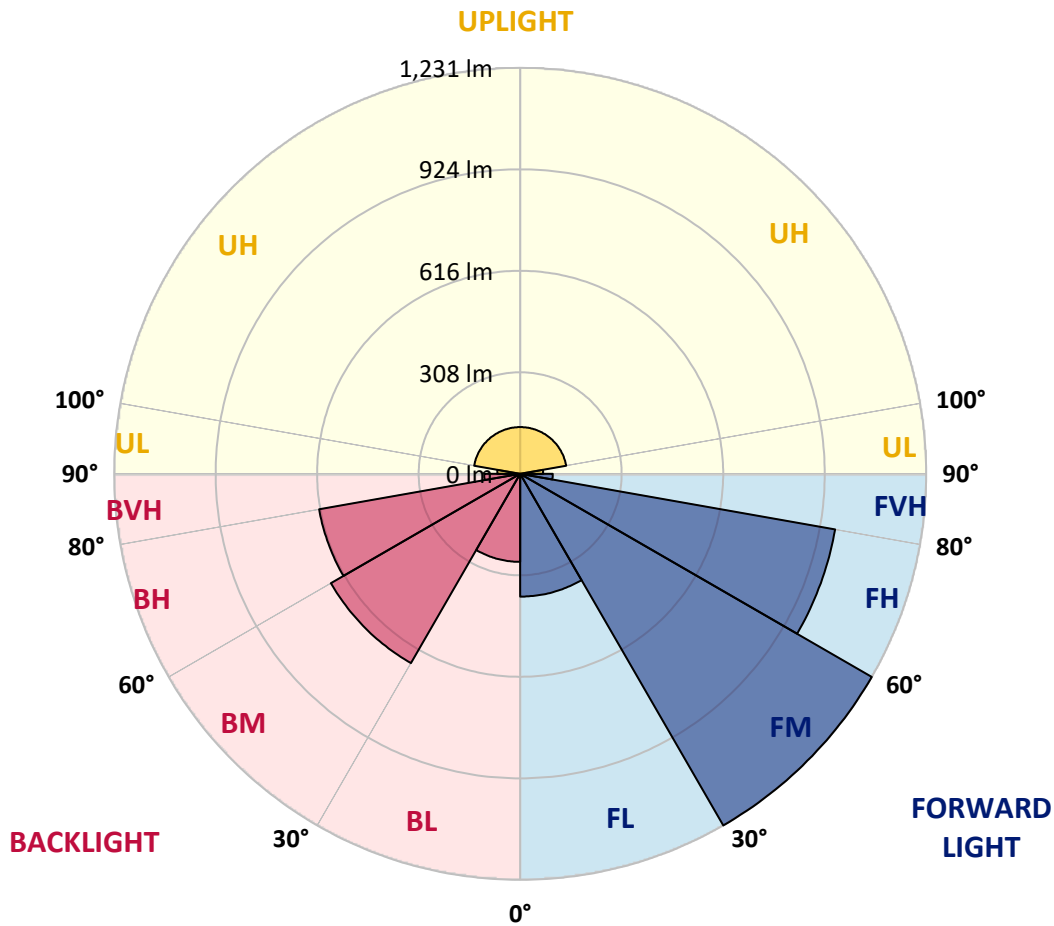
CATALOG NUMBER: CRTK-N-30-750-U-T3-CNR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.4	8.2			
FM (30°-60°)	1231.4	27.1			
FH (60°-80°)	970.1	21.4			G1/1800
FVH (80°-90°)	98.8	2.2			G1/100
BL (0°-30°)	266.9	5.9	B1/500		
BM (30°-60°)	662.9	14.6	B1/1000		
BH (60°-80°)	619.1	13.6	B2/1000		G2/1000
BVH (80°-90°)	109.2	2.4			G2/225
UL (90°-100°)	69.7	1.5		U3/500	
UH (100°-180°)	141.6	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°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	859.5	863.5	866.1	868.7	866.1	860.9	856.9	856.9	855.6	847.8	836.0
5°	893.6	896.2	897.5	898.8	896.2	888.3	883.1	880.5	875.2	862.2	845.2
7.5°	918.4	921.0	925.0	923.7	921.0	909.3	904.0	900.1	893.6	876.6	853.0
10°	932.8	936.7	942.0	943.3	939.4	928.9	922.3	915.8	906.6	884.4	854.3
12.5°	945.9	948.5	945.9	938.0	936.7	927.6	925.0	926.3	919.7	898.8	859.5
15°	887.0	893.6	918.4	921.0	926.3	919.7	914.5	909.3	893.6	877.9	863.5
17.5°	866.1	870.0	892.3	931.5	947.2	943.3	936.7	931.5	914.5	879.2	800.7
20°	875.2	877.9	890.9	906.6	960.3	964.2	962.9	957.7	938.0	862.2	785.0
22.5°	856.9	860.9	877.9	887.0	918.4	942.0	934.1	926.3	879.2	798.1	723.5
25°	915.8	917.1	892.3	851.7	839.9	883.1	936.7	947.2	832.1	764.0	709.1
27.5°	962.9	966.8	961.6	925.0	900.1	870.0	834.7	795.4	822.9	800.7	739.2
30°	1015.2	1029.6	1046.6	1030.9	966.8	845.2	760.1	761.4	808.5	808.5	775.8
32.5°	1089.8	1122.5	1113.4	1087.2	983.8	825.5	802.0	795.4	829.5	815.1	771.9
35°	1186.6	1203.6	1157.8	1074.1	996.9	889.6	862.2	849.1	825.5	867.4	724.8
37.5°	1253.3	1235.0	1203.6	1131.7	951.1	947.2	942.0	931.5	894.9	781.0	777.1
40°	1223.3	1245.5	1271.7	1136.9	1019.2	981.2	968.1	987.8	883.1	816.4	824.2
42.5°	1282.1	1314.8	1231.1	1161.8	1123.8	1038.8	944.6	908.0	914.5	892.3	812.4
45°	1327.9	1293.9	1219.3	1134.3	1083.3	1046.6	1027.0	1011.3	960.3	879.2	764.0
47.5°	1133.0	1172.2	1178.8	1150.0	1144.8	1075.4	1030.9	1013.9	965.5	773.2	709.1
50°	1151.3	1163.1	1155.2	1193.2	1237.6	1185.3	1146.1	1096.3	961.6	881.8	808.5
52.5°	1190.5	1203.6	1207.6	1225.9	1241.6	1201.0	1161.8	1122.5	1050.6	969.4	876.6
55°	1231.1	1236.3	1244.2	1259.9	1283.4	1280.8	1252.0	1212.8	1148.7	1061.0	955.1
57.5°	1219.3	1229.8	1241.6	1286.0	1320.1	1348.8	1321.4	1293.9	1232.4	1143.4	1034.9
60°	1186.6	1201.0	1232.4	1287.4	1346.2	1393.3	1368.5	1351.5	1292.6	1218.0	1113.4
62.5°	1131.7	1136.9	1184.0	1256.0	1322.7	1413.0	1422.1	1407.7	1375.0	1286.0	1165.7
65°	1050.6	1053.2	1106.8	1187.9	1265.1	1415.6	1447.0	1439.1	1402.5	1313.5	1198.4
67.5°	953.7	955.1	1002.1	1072.8	1150.0	1270.3	1341.0	1371.1	1405.1	1307.0	1199.7
70°	820.3	821.6	864.8	943.3	1010.0	1144.8	1221.9	1263.8	1297.8	1208.9	1118.6
72.5°	710.4	711.7	728.7	778.4	838.6	935.4	982.5	1013.9	1054.5	1028.3	940.7
75°	607.0	595.3	596.6	599.2	616.2	672.5	697.3	727.4	773.2	777.1	713.0
77.5°	465.8	455.3	447.4	439.6	430.4	465.8	486.7	507.6	528.5	531.2	506.3
80°	324.5	317.9	320.5	312.7	299.6	316.6	319.2	327.1	340.2	362.4	372.9
82.5°	230.3	211.9	214.6	205.4	202.8	215.9	221.1	223.7	239.4	260.3	251.2
85°	138.7	137.4	142.6	142.6	143.9	157.0	164.8	164.8	180.5	192.3	194.9
87.5°	100.7	98.1	103.4	108.6	112.5	123.0	128.2	129.5	140.0	150.5	150.5
90°	82.4	82.4	85.0	87.7	90.3	95.5	99.4	100.7	106.0	109.9	111.2
92.5°	72.0	72.0	73.3	73.3	73.3	74.6	74.6	75.9	81.1	81.1	78.5
95°	69.3	68.0	68.0	69.3	70.6	69.3	66.7	65.4	64.1	62.8	58.9
97.5°	64.1	62.8	64.1	64.1	61.5	61.5	60.2	60.2	56.3	53.6	48.4
100°	57.6	58.9	58.9	60.2	58.9	58.9	57.6	57.6	53.6	51.0	49.7
102.5°	64.1	66.7	64.1	64.1	65.4	62.8	62.8	64.1	61.5	61.5	60.2
105°	69.3	73.3	81.1	87.7	85.0	78.5	77.2	79.8	77.2	77.2	73.3
107.5°	68.0	70.6	75.9	95.5	111.2	120.4	119.1	121.7	112.5	99.4	83.7
110°	66.7	68.0	72.0	81.1	94.2	111.2	119.1	124.3	133.4	124.3	109.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	72.0	74.6	77.2	81.1	85.0	90.3	92.9	96.8	104.7	104.7	96.8
115°	78.5	77.2	77.2	77.2	78.5	82.4	81.1	81.1	81.1	75.9	64.1
117.5°	61.5	58.9	60.2	60.2	60.2	62.8	60.2	58.9	57.6	49.7	41.9
120°	40.6	39.2	40.6	43.2	41.9	43.2	41.9	40.6	39.2	36.6	32.7
122.5°	34.0	32.7	32.7	32.7	32.7	34.0	35.3	34.0	34.0	32.7	30.1
125°	24.9	24.9	24.9	24.9	24.9	26.2	27.5	27.5	27.5	27.5	24.9
127.5°	20.9	20.9	20.9	20.9	20.9	22.2	23.5	23.5	22.2	22.2	20.9
130°	18.3	18.3	18.3	18.3	18.3	19.6	19.6	19.6	19.6	18.3	17.0
132.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	15.7
135°	15.7	15.7	15.7	15.7	17.0	15.7	17.0	17.0	15.7	15.7	13.1
137.5°	14.4	13.1	14.4	13.1	14.4	14.4	14.4	13.1	13.1	13.1	10.5
140°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	10.5
142.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	9.2
145°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	9.2	9.2	7.8
147.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.8
150°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	7.8	7.8
152.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.5
155°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
157.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
162.5°	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6
165°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	833.4	830.8	830.8	832.1	824.2	816.4	811.1	807.2	805.9	807.2	803.3
5°	841.2	837.3	829.5	821.6	812.4	799.4	791.5	783.7	781.0	782.4	781.0
7.5°	845.2	838.6	825.5	813.8	796.7	779.7	769.3	760.1	754.9	756.2	753.6
10°	843.8	833.4	813.8	796.7	773.2	752.3	737.9	726.1	722.2	723.5	722.2
12.5°	845.2	830.8	802.0	770.6	730.0	699.9	682.9	673.8	672.5	681.6	681.6
15°	845.2	812.4	754.9	730.0	699.9	675.1	659.4	643.7	633.2	609.7	608.4
17.5°	766.7	774.5	748.3	715.6	682.9	659.4	635.8	613.6	590.0	590.0	587.4
20°	756.2	736.6	719.6	698.6	663.3	638.4	611.0	577.0	562.6	563.9	562.6
22.5°	693.4	679.0	643.7	648.9	621.4	584.8	548.2	527.2	528.5	539.0	539.0
25°	677.7	650.2	604.4	584.8	596.6	522.0	508.9	503.7	510.2	529.9	528.5
27.5°	706.5	672.5	613.6	552.1	501.1	507.6	508.9	508.9	511.5	502.4	495.8
30°	736.6	697.3	591.3	528.5	464.4	480.1	499.8	518.1	498.5	486.7	488.0
32.5°	751.0	675.1	592.7	507.6	461.8	456.6	491.9	481.5	489.3	489.3	493.2
35°	680.3	650.2	609.7	508.9	472.3	459.2	457.9	469.7	474.9	499.8	503.7
37.5°	728.7	682.9	554.7	525.9	486.7	454.0	446.1	476.2	478.8	478.8	488.0
40°	782.4	711.7	578.3	516.8	481.5	469.7	461.8	467.1	480.1	451.4	451.4
42.5°	749.6	698.6	604.4	511.5	478.8	490.6	491.9	477.5	456.6	467.1	471.0
45°	723.5	659.4	594.0	536.4	502.4	503.7	493.2	474.9	461.8	478.8	478.8
47.5°	671.2	634.5	575.6	550.8	524.6	531.2	545.6	489.3	474.9	443.5	426.5
50°	765.3	722.2	645.0	579.6	561.3	567.8	603.1	531.2	485.4	448.7	448.7
52.5°	825.5	783.7	699.9	631.9	601.8	612.3	641.1	556.0	510.2	482.8	477.5
55°	893.6	842.5	756.2	680.3	646.3	645.0	662.0	597.9	552.1	519.4	524.6
57.5°	962.9	914.5	809.8	724.8	682.9	679.0	681.6	648.9	582.2	561.3	569.1
60°	1055.8	994.3	867.4	758.8	707.8	710.4	707.8	682.9	621.4	587.4	587.4
62.5°	1116.0	1045.3	927.6	821.6	757.5	737.9	730.0	696.0	642.4	603.1	605.7
65°	1139.5	1082.0	952.4	843.8	769.3	727.4	705.2	684.2	638.4	620.1	614.9
67.5°	1133.0	1071.5	943.3	825.5	735.3	656.8	618.8	582.2	597.9	592.7	587.4
70°	1058.4	989.1	845.2	756.2	676.4	591.3	529.9	507.6	506.3	501.1	469.7
72.5°	898.8	836.0	713.0	635.8	562.6	506.3	485.4	440.9	412.1	389.9	378.1
75°	699.9	659.4	588.7	532.5	465.8	429.1	389.9	355.9	345.4	344.1	334.9
77.5°	507.6	488.0	461.8	444.8	406.9	366.3	332.3	317.9	311.4	307.4	306.1
80°	374.2	368.9	349.3	344.1	320.5	298.3	283.9	283.9	282.6	286.5	285.2
82.5°	255.1	251.2	253.8	260.3	248.6	236.8	232.9	242.0	260.3	274.7	272.1
85°	200.2	196.2	194.9	197.6	193.6	187.1	187.1	192.3	191.0	193.6	187.1
87.5°	155.7	154.4	150.5	153.1	147.8	145.2	145.2	146.5	145.2	145.2	143.9
90°	115.1	115.1	112.5	115.1	108.6	106.0	107.3	106.0	98.1	94.2	91.6
92.5°	81.1	79.8	77.2	79.8	74.6	73.3	73.3	69.3	68.0	66.7	66.7
95°	60.2	58.9	56.3	54.9	52.3	51.0	53.6	53.6	49.7	43.2	40.6
97.5°	47.1	47.1	45.8	44.5	41.9	37.9	36.6	31.4	26.2	20.9	22.2
100°	48.4	47.1	48.4	44.5	37.9	28.8	24.9	22.2	18.3	13.1	13.1
102.5°	60.2	58.9	56.3	45.8	35.3	27.5	23.5	18.3	14.4	7.8	6.5
105°	69.3	66.7	54.9	44.5	35.3	27.5	22.2	18.3	13.1	6.5	3.9
107.5°	75.9	66.7	58.9	52.3	48.4	39.2	28.8	19.6	10.5	3.9	2.6
110°	103.4	94.2	86.3	74.6	56.3	34.0	23.5	13.1	7.8	2.6	1.3

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CATALOG NUMBER: CRTK-N-30-750-U-T3-CNR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	89.0	85.0	64.1	48.4	34.0	20.9	15.7	11.8	6.5	2.6	2.6
115°	56.3	51.0	39.2	30.1	23.5	17.0	13.1	10.5	6.5	2.6	0.0
117.5°	37.9	35.3	28.8	24.9	19.6	15.7	11.8	9.2	5.2	0.0	0.0
120°	31.4	30.1	24.9	20.9	17.0	13.1	10.5	7.8	2.6	0.0	0.0
122.5°	27.5	26.2	20.9	18.3	14.4	11.8	9.2	5.2	1.3	0.0	0.0
125°	23.5	23.5	20.9	18.3	15.7	13.1	9.2	5.2	1.3	0.0	0.0
127.5°	19.6	18.3	17.0	14.4	13.1	9.2	7.8	5.2	0.0	0.0	0.0
130°	15.7	15.7	13.1	10.5	9.2	6.5	5.2	2.6	0.0	0.0	0.0
132.5°	14.4	14.4	11.8	10.5	7.8	5.2	3.9	2.6	0.0	0.0	0.0
135°	13.1	13.1	10.5	9.2	6.5	5.2	3.9	2.6	0.0	0.0	0.0
137.5°	10.5	10.5	9.2	6.5	5.2	3.9	2.6	1.3	0.0	0.0	0.0
140°	9.2	9.2	7.8	6.5	5.2	3.9	2.6	1.3	0.0	0.0	0.0
142.5°	7.8	7.8	6.5	5.2	3.9	2.6	1.3	1.3	0.0	0.0	0.0
145°	7.8	7.8	6.5	5.2	3.9	2.6	1.3	0.0	0.0	0.0	0.0
147.5°	7.8	6.5	6.5	5.2	3.9	2.6	1.3	0.0	0.0	0.0	0.0
150°	6.5	6.5	5.2	3.9	2.6	1.3	1.3	0.0	0.0	0.0	0.0
152.5°	6.5	6.5	5.2	3.9	2.6	1.3	1.3	0.0	0.0	0.0	0.0
155°	5.2	5.2	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
157.5°	5.2	3.9	3.9	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0
160°	3.9	3.9	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	1.3	1.3	1.3	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)