

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: P853347

Luminaire Tested: **CRTK-N-30-730-U-T3-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853347
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-30-730-U-T3-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4325 lumens
Efficiency: N/A
Efficacy: 133.9 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 (A_{in}): 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

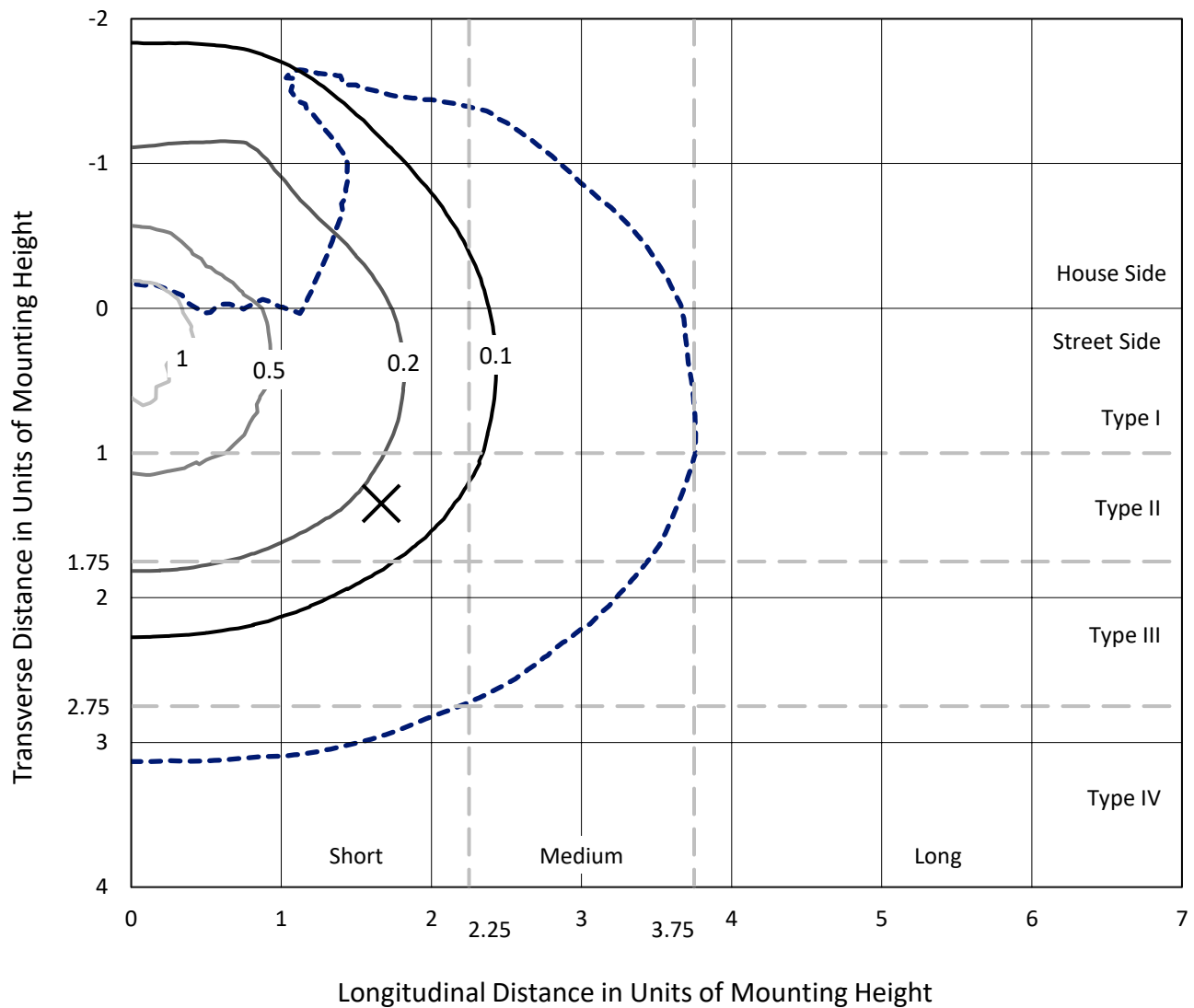


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

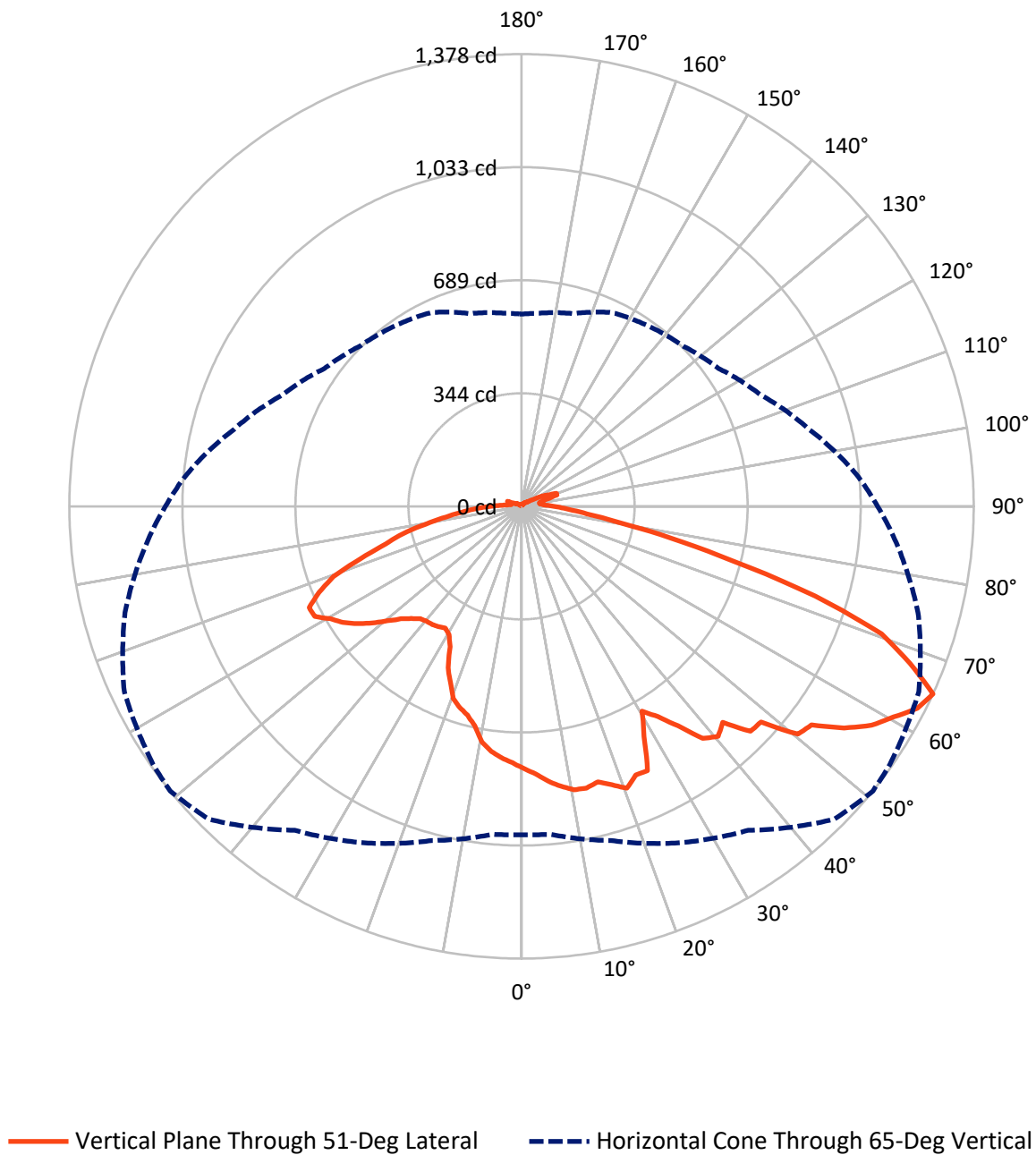


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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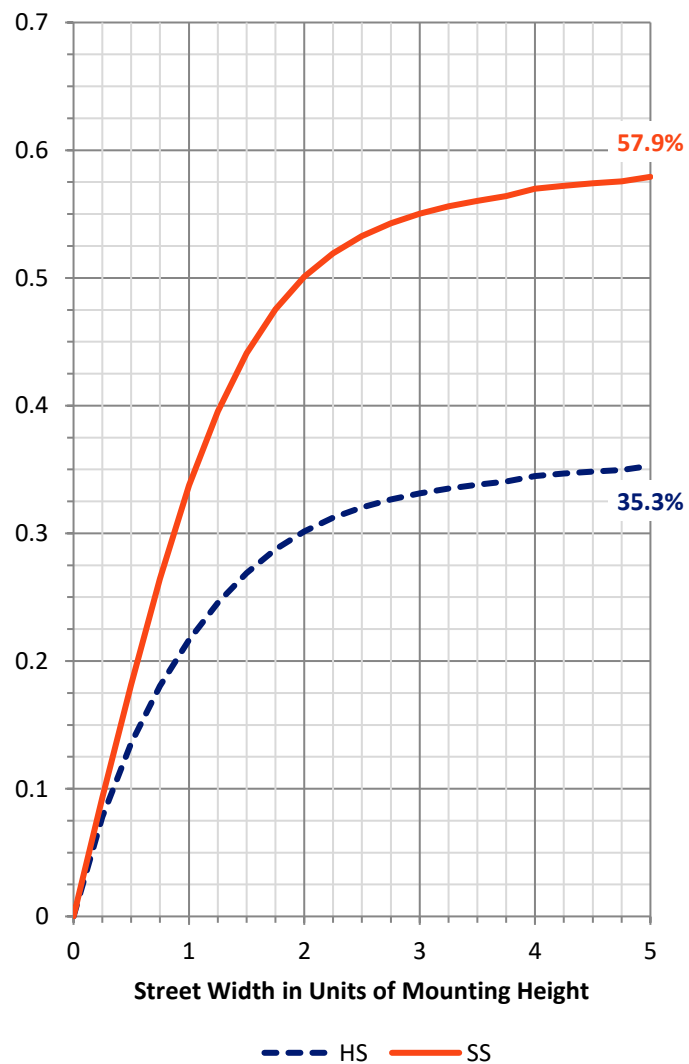
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.9	67.7	1646.6
	% Fixture	36.5	1.6	38.1
Street Side	Lumens	2544.9	133.5	2678.4
	% Fixture	58.8	3.1	61.9
Total	Lumens	4123.8	201.2	4325.0
	% Fixture	95.3	4.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.8
10°-20°	215.7	5.0
20°-30°	316.4	7.3
30°-40°	440.3	10.2
40°-50°	578.0	13.4
50°-60°	785.4	18.2
60°-70°	932.7	21.6
70°-80°	580.4	13.4
80°-90°	198.1	4.6
90°-100°	66.3	1.5
100°-110°	57.6	1.3
110°-120°	46.8	1.1
120°-130°	16.5	0.4
130°-140°	7.8	0.2
140°-150°	3.9	0.1
150°-160°	1.9	0.0
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-90°	4123.8	95.3
0°-180°	4325.0	100.0

Coefficient of Utilization



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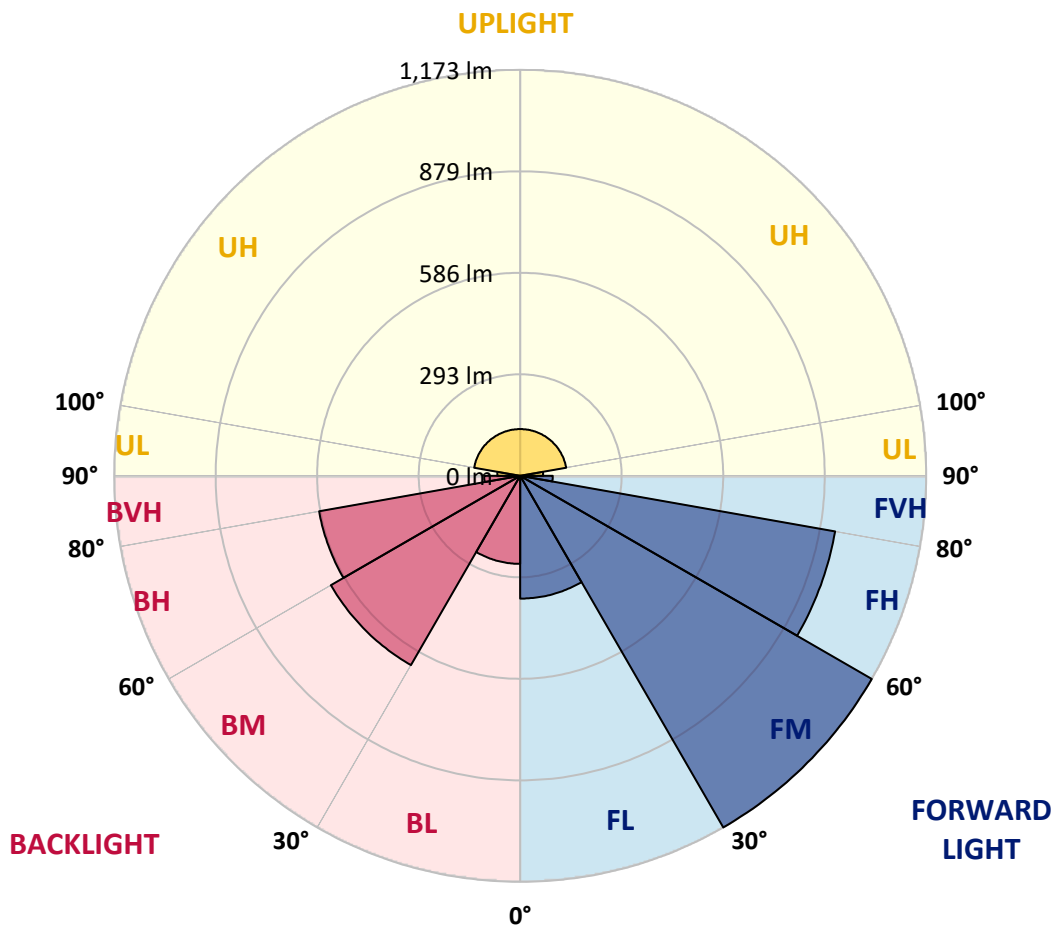
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.6	8.2			
FM	(30°-60°)	1172.5	27.1			
FH	(60°-80°)	923.7	21.4			G1/1800
FVH	(80°-90°)	94.1	2.2			G1/100
BL	(0°-30°)	254.1	5.9	B1/500		
BM	(30°-60°)	631.2	14.6	B1/1000		
BH	(60°-80°)	589.5	13.6	B2/1000		G2/1000
BVH	(80°-90°)	104.0	2.4			G2/225
UL	(90°-100°)	66.3	1.5		U3/500	
UH	(100°-180°)	134.9	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°	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
2.5°	818.5	822.2	824.7	827.2	824.7	819.7	816.0	816.0	814.7	807.3	796.1
5°	850.9	853.4	854.6	855.9	853.4	845.9	840.9	838.4	833.4	821.0	804.8
7.5°	874.5	877.0	880.8	879.5	877.0	865.8	860.8	857.1	850.9	834.7	812.3
10°	888.2	892.0	897.0	898.2	894.5	884.5	878.3	872.0	863.3	842.1	813.5
12.5°	900.7	903.2	900.7	893.2	892.0	883.3	880.8	882.0	875.8	855.9	818.5
15°	844.6	850.9	874.5	877.0	882.0	875.8	870.8	865.8	850.9	835.9	822.2
17.5°	824.7	828.4	849.6	887.0	901.9	898.2	892.0	887.0	870.8	837.2	762.4
20°	833.4	835.9	848.4	863.3	914.4	918.1	916.9	911.9	893.2	821.0	747.5
22.5°	816.0	819.7	835.9	844.6	874.5	897.0	889.5	882.0	837.2	759.9	688.9
25°	872.0	873.3	849.6	811.0	799.8	840.9	892.0	901.9	792.3	727.5	675.2
27.5°	916.9	920.6	915.7	880.8	857.1	828.4	794.8	757.4	783.6	762.4	703.9
30°	966.7	980.4	996.6	981.7	920.6	804.8	723.8	725.0	769.9	769.9	738.7
32.5°	1037.7	1068.9	1060.2	1035.2	936.8	786.1	763.7	757.4	789.8	776.1	735.0
35°	1129.9	1146.1	1102.5	1022.8	949.3	847.1	821.0	808.5	786.1	826.0	690.2
37.5°	1193.5	1176.0	1146.1	1077.6	905.7	901.9	897.0	887.0	852.1	743.7	740.0
40°	1164.8	1186.0	1210.9	1082.6	970.5	934.3	921.9	940.6	840.9	777.4	784.8
42.5°	1220.9	1252.0	1172.3	1106.3	1070.1	989.2	899.5	864.6	870.8	849.6	773.6
45°	1264.5	1232.1	1161.1	1080.1	1031.5	996.6	977.9	963.0	914.4	837.2	727.5
47.5°	1078.8	1116.2	1122.5	1095.0	1090.1	1024.0	981.7	965.5	919.4	736.3	675.2
50°	1096.3	1107.5	1100.0	1136.2	1178.5	1128.7	1091.3	1044.0	915.7	839.7	769.9
52.5°	1133.7	1146.1	1149.9	1167.3	1182.2	1143.6	1106.3	1068.9	1000.4	923.1	834.7
55°	1172.3	1177.3	1184.7	1199.7	1222.1	1219.6	1192.2	1154.8	1093.8	1010.3	909.4
57.5°	1161.1	1171.0	1182.2	1224.6	1257.0	1284.4	1258.2	1232.1	1173.5	1088.8	985.4
60°	1129.9	1143.6	1173.5	1225.9	1281.9	1326.8	1303.1	1286.9	1230.8	1159.8	1060.2
62.5°	1077.6	1082.6	1127.4	1196.0	1259.5	1345.4	1354.2	1340.5	1309.3	1224.6	1110.0
65°	1000.4	1002.9	1053.9	1131.2	1204.7	1347.9	1377.8	1370.4	1335.5	1250.8	1141.1
67.5°	908.2	909.4	954.3	1021.5	1095.0	1209.7	1276.9	1305.6	1338.0	1244.5	1142.4
70°	781.1	782.4	823.5	898.2	961.7	1090.1	1163.6	1203.4	1235.8	1151.1	1065.1
72.5°	676.5	677.7	693.9	741.2	798.5	890.7	935.6	965.5	1004.1	979.2	895.7
75°	578.0	566.8	568.1	570.6	586.8	640.3	664.0	692.7	736.3	740.0	679.0
77.5°	443.5	433.5	426.1	418.6	409.9	443.5	463.4	483.4	503.3	505.8	482.1
80°	309.0	302.7	305.2	297.7	285.3	301.5	304.0	311.4	323.9	345.1	355.0
82.5°	219.3	201.8	204.3	195.6	193.1	205.6	210.5	213.0	228.0	247.9	239.2
85°	132.1	130.8	135.8	135.8	137.0	149.5	157.0	157.0	171.9	183.1	185.6
87.5°	95.9	93.4	98.4	103.4	107.1	117.1	122.1	123.3	133.3	143.3	143.3
90°	78.5	78.5	81.0	83.5	86.0	90.9	94.7	95.9	100.9	104.6	105.9
92.5°	68.5	68.5	69.8	69.8	69.8	71.0	71.0	72.3	77.2	77.2	74.7
95°	66.0	64.8	64.8	66.0	67.3	66.0	63.5	62.3	61.0	59.8	56.1
97.5°	61.0	59.8	61.0	61.0	58.6	58.6	57.3	57.3	53.6	51.1	46.1
100°	54.8	56.1	56.1	57.3	56.1	56.1	54.8	54.8	51.1	48.6	47.3
102.5°	61.0	63.5	61.0	61.0	62.3	59.8	59.8	61.0	58.6	58.6	57.3
105°	66.0	69.8	77.2	83.5	81.0	74.7	73.5	76.0	73.5	73.5	69.8
107.5°	64.8	67.3	72.3	90.9	105.9	114.6	113.4	115.9	107.1	94.7	79.7
110°	63.5	64.8	68.5	77.2	89.7	105.9	113.4	118.3	127.1	118.3	104.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
112.5°	68.5	71.0	73.5	77.2	81.0	86.0	88.5	92.2	99.7	99.7	92.2
115°	74.7	73.5	73.5	73.5	74.7	78.5	77.2	77.2	77.2	72.3	61.0
117.5°	58.6	56.1	57.3	57.3	57.3	59.8	57.3	56.1	54.8	47.3	39.9
120°	38.6	37.4	38.6	41.1	39.9	41.1	39.9	38.6	37.4	34.9	31.1
122.5°	32.4	31.1	31.1	31.1	31.1	32.4	33.6	32.4	32.4	31.1	28.7
125°	23.7	23.7	23.7	23.7	23.7	24.9	26.2	26.2	26.2	26.2	23.7
127.5°	19.9	19.9	19.9	19.9	19.9	21.2	22.4	22.4	21.2	21.2	19.9
130°	17.4	17.4	17.4	17.4	17.4	18.7	18.7	18.7	18.7	17.4	16.2
132.5°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	14.9
135°	14.9	14.9	14.9	14.9	16.2	14.9	16.2	16.2	14.9	14.9	12.5
137.5°	13.7	12.5	13.7	12.5	13.7	13.7	13.7	12.5	12.5	12.5	10.0
140°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	10.0
142.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.7
145°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.7	8.7	7.5
147.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.5
150°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.5	7.5
152.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.2
155°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
157.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
160°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
162.5°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5
165°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5	798.5
2.5°	793.6	791.1	791.1	792.3	784.8	777.4	772.4	768.6	767.4	768.6	764.9
5°	801.0	797.3	789.8	782.4	773.6	761.2	753.7	746.2	743.7	745.0	743.7
7.5°	804.8	798.5	786.1	774.9	758.7	742.5	732.5	723.8	718.8	720.1	717.6
10°	803.5	793.6	774.9	758.7	736.3	716.3	702.6	691.4	687.7	688.9	687.7
12.5°	804.8	791.1	763.7	733.8	695.1	666.5	650.3	641.6	640.3	649.1	649.1
15°	804.8	773.6	718.8	695.1	666.5	642.8	627.9	612.9	603.0	580.5	579.3
17.5°	730.0	737.5	712.6	681.4	650.3	627.9	605.5	584.3	561.8	561.8	559.4
20°	720.1	701.4	685.2	665.2	631.6	607.9	581.8	549.4	535.7	536.9	535.7
22.5°	660.3	646.6	612.9	617.9	591.7	556.9	522.0	502.1	503.3	513.3	513.3
25°	645.3	619.2	575.6	556.9	568.1	497.1	484.6	479.6	485.9	504.5	503.3
27.5°	672.7	640.3	584.3	525.7	477.1	483.4	484.6	484.6	487.1	478.4	472.2
30°	701.4	664.0	563.1	503.3	442.3	457.2	475.9	493.3	474.6	463.4	464.7
32.5°	715.1	642.8	564.3	483.4	439.8	434.8	468.4	458.4	465.9	465.9	469.7
35°	647.8	619.2	580.5	484.6	449.7	437.3	436.0	447.2	452.2	475.9	479.6
37.5°	693.9	650.3	528.2	500.8	463.4	432.3	424.8	453.5	456.0	456.0	464.7
40°	745.0	677.7	550.6	492.1	458.4	447.2	439.8	444.7	457.2	429.8	429.8
42.5°	713.8	665.2	575.6	487.1	456.0	467.2	468.4	454.7	434.8	444.7	448.5
45°	688.9	627.9	565.6	510.8	478.4	479.6	469.7	452.2	439.8	456.0	456.0
47.5°	639.1	604.2	548.1	524.5	499.6	505.8	519.5	465.9	452.2	422.3	406.1
50°	728.8	687.7	614.2	551.9	534.4	540.7	574.3	505.8	462.2	427.3	427.3
52.5°	786.1	746.2	666.5	601.7	573.1	583.0	610.4	529.5	485.9	459.7	454.7
55°	850.9	802.3	720.1	647.8	615.4	614.2	630.4	569.3	525.7	494.6	499.6
57.5°	916.9	870.8	771.1	690.2	650.3	646.6	649.1	617.9	554.4	534.4	541.9
60°	1005.3	946.8	826.0	722.6	674.0	676.5	674.0	650.3	591.7	559.4	559.4
62.5°	1062.7	995.4	883.3	782.4	721.3	702.6	695.1	662.8	611.7	574.3	576.8
65°	1085.1	1030.3	906.9	803.5	732.5	692.7	671.5	651.5	607.9	590.5	585.5
67.5°	1078.8	1020.3	898.2	786.1	700.1	625.4	589.3	554.4	569.3	564.3	559.4
70°	1007.8	941.8	804.8	720.1	644.1	563.1	504.5	483.4	482.1	477.1	447.2
72.5°	855.9	796.1	679.0	605.5	535.7	482.1	462.2	419.8	392.4	371.2	360.0
75°	666.5	627.9	560.6	507.0	443.5	408.6	371.2	338.9	328.9	327.6	318.9
77.5°	483.4	464.7	439.8	423.6	387.4	348.8	316.4	302.7	296.5	292.8	291.5
80°	356.3	351.3	332.6	327.6	305.2	284.0	270.3	270.3	269.1	272.8	271.6
82.5°	242.9	239.2	241.7	247.9	236.7	225.5	221.7	230.5	247.9	261.6	259.1
85°	190.6	186.9	185.6	188.1	184.4	178.1	178.1	183.1	181.9	184.4	178.1
87.5°	148.2	147.0	143.3	145.8	140.8	138.3	138.3	139.5	138.3	138.3	137.0
90°	109.6	109.6	107.1	109.6	103.4	100.9	102.2	100.9	93.4	89.7	87.2
92.5°	77.2	76.0	73.5	76.0	71.0	69.8	69.8	66.0	64.8	63.5	63.5
95°	57.3	56.1	53.6	52.3	49.8	48.6	51.1	51.1	47.3	41.1	38.6
97.5°	44.8	44.8	43.6	42.4	39.9	36.1	34.9	29.9	24.9	19.9	21.2
100°	46.1	44.8	46.1	42.4	36.1	27.4	23.7	21.2	17.4	12.5	12.5
102.5°	57.3	56.1	53.6	43.6	33.6	26.2	22.4	17.4	13.7	7.5	6.2
105°	66.0	63.5	52.3	42.4	33.6	26.2	21.2	17.4	12.5	6.2	3.7
107.5°	72.3	63.5	56.1	49.8	46.1	37.4	27.4	18.7	10.0	3.7	2.5
110°	98.4	89.7	82.2	71.0	53.6	32.4	22.4	12.5	7.5	2.5	1.2

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CATALOG NUMBER: CRTK-N-30-730-U-T3-CNR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	84.7	81.0	61.0	46.1	32.4	19.9	14.9	11.2	6.2	2.5	2.5
115°	53.6	48.6	37.4	28.7	22.4	16.2	12.5	10.0	6.2	2.5	0.0
117.5°	36.1	33.6	27.4	23.7	18.7	14.9	11.2	8.7	5.0	0.0	0.0
120°	29.9	28.7	23.7	19.9	16.2	12.5	10.0	7.5	2.5	0.0	0.0
122.5°	26.2	24.9	19.9	17.4	13.7	11.2	8.7	5.0	1.2	0.0	0.0
125°	22.4	22.4	19.9	17.4	14.9	12.5	8.7	5.0	1.2	0.0	0.0
127.5°	18.7	17.4	16.2	13.7	12.5	8.7	7.5	5.0	0.0	0.0	0.0
130°	14.9	14.9	12.5	10.0	8.7	6.2	5.0	2.5	0.0	0.0	0.0
132.5°	13.7	13.7	11.2	10.0	7.5	5.0	3.7	2.5	0.0	0.0	0.0
135°	12.5	12.5	10.0	8.7	6.2	5.0	3.7	2.5	0.0	0.0	0.0
137.5°	10.0	10.0	8.7	6.2	5.0	3.7	2.5	1.2	0.0	0.0	0.0
140°	8.7	8.7	7.5	6.2	5.0	3.7	2.5	1.2	0.0	0.0	0.0
142.5°	7.5	7.5	6.2	5.0	3.7	2.5	1.2	1.2	0.0	0.0	0.0
145°	7.5	7.5	6.2	5.0	3.7	2.5	1.2	0.0	0.0	0.0	0.0
147.5°	7.5	6.2	6.2	5.0	3.7	2.5	1.2	0.0	0.0	0.0	0.0
150°	6.2	6.2	5.0	3.7	2.5	1.2	1.2	0.0	0.0	0.0	0.0
152.5°	6.2	6.2	5.0	3.7	2.5	1.2	1.2	0.0	0.0	0.0	0.0
155°	5.0	5.0	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0
157.5°	5.0	3.7	3.7	2.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0
160°	3.7	3.7	2.5	2.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	1.2	1.2	1.2	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)