

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: P853282

Luminaire Tested: **CRTK-N-20-727-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-727-U-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

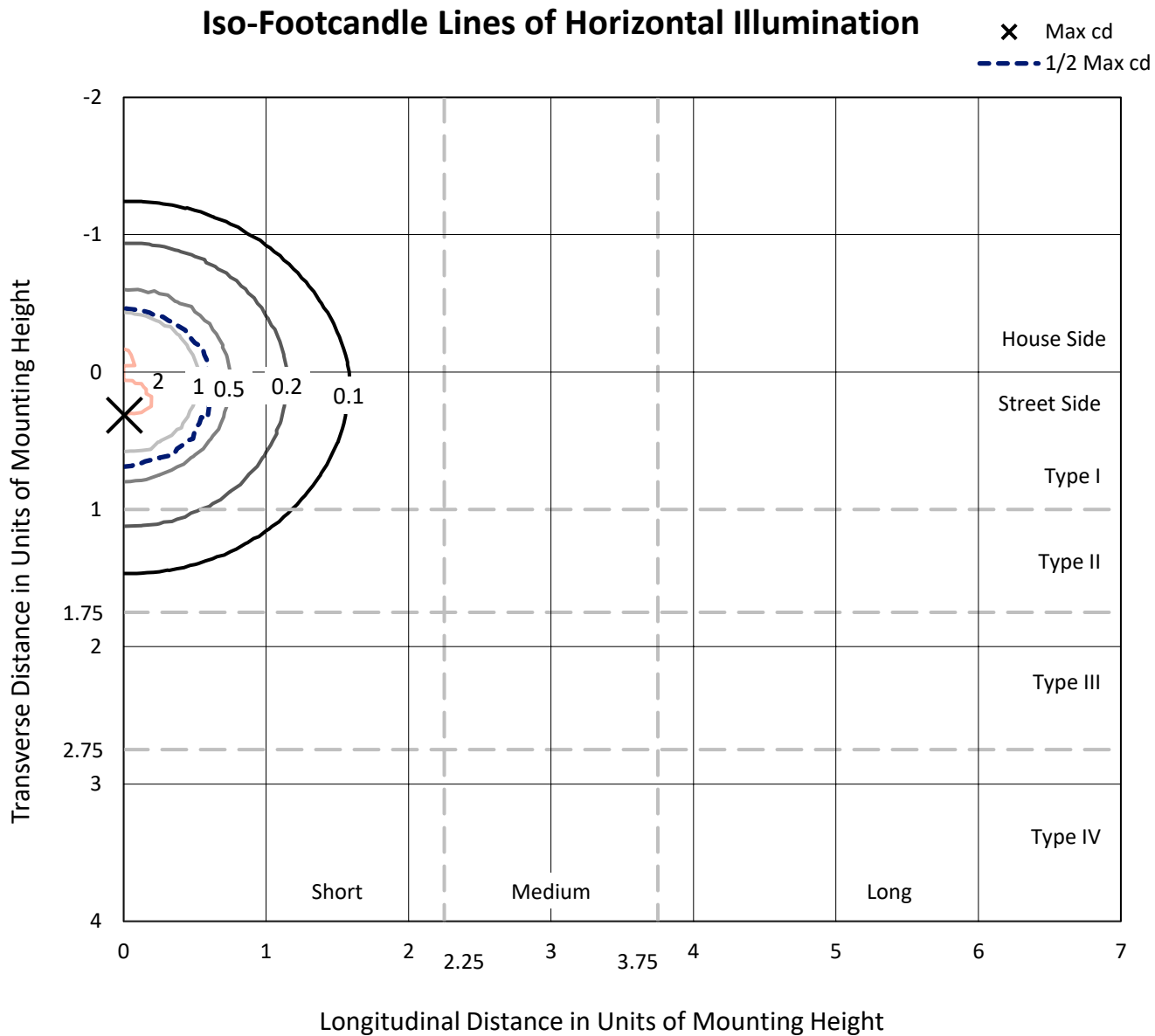
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2936 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2
Input Voltage (V): 120.0
Input Current (Ain): 0.196
Voltage Rise (V): NR
Power Factor: 0.9875
Total Harmonic Distortion (THDi): 10%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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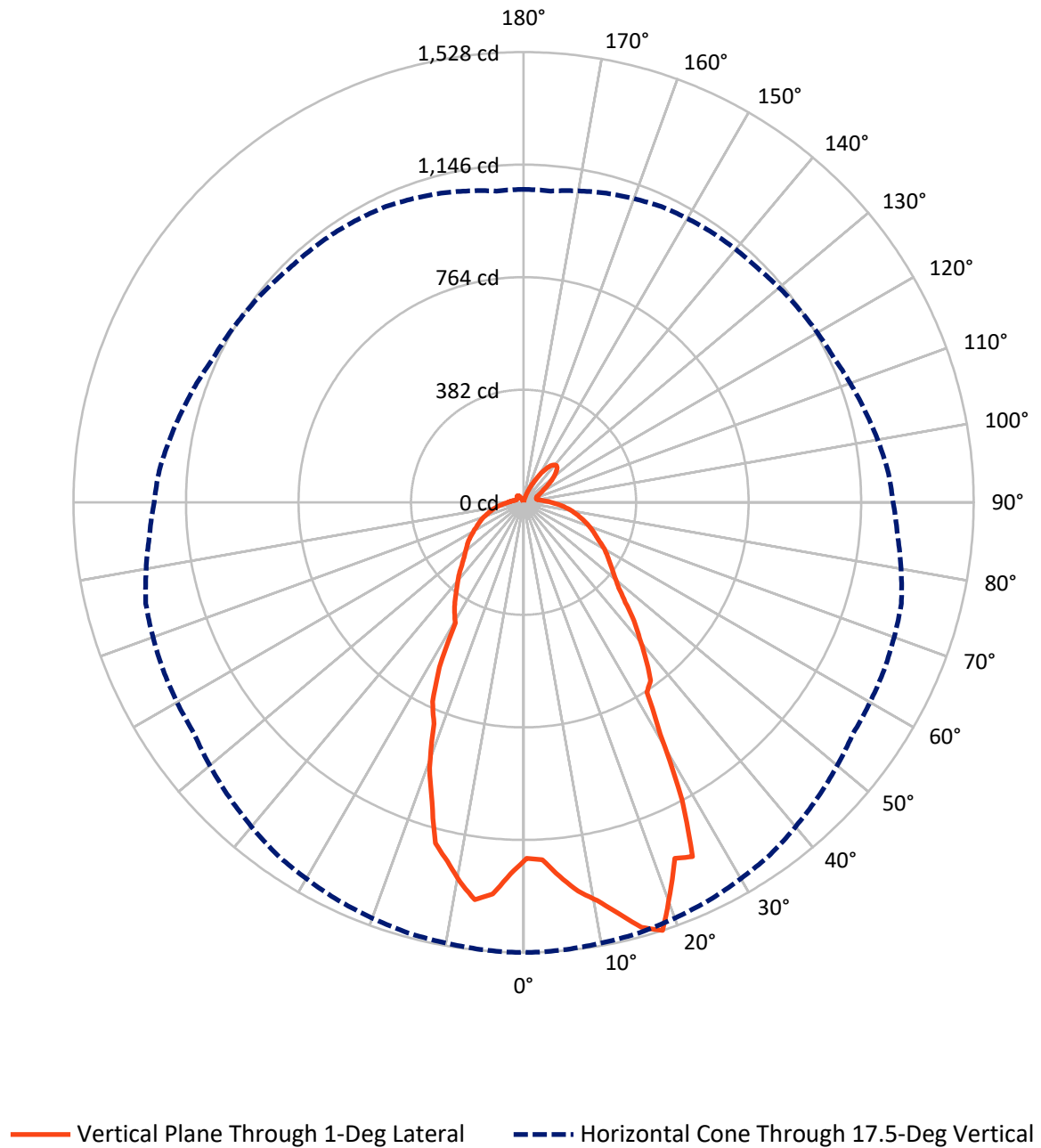


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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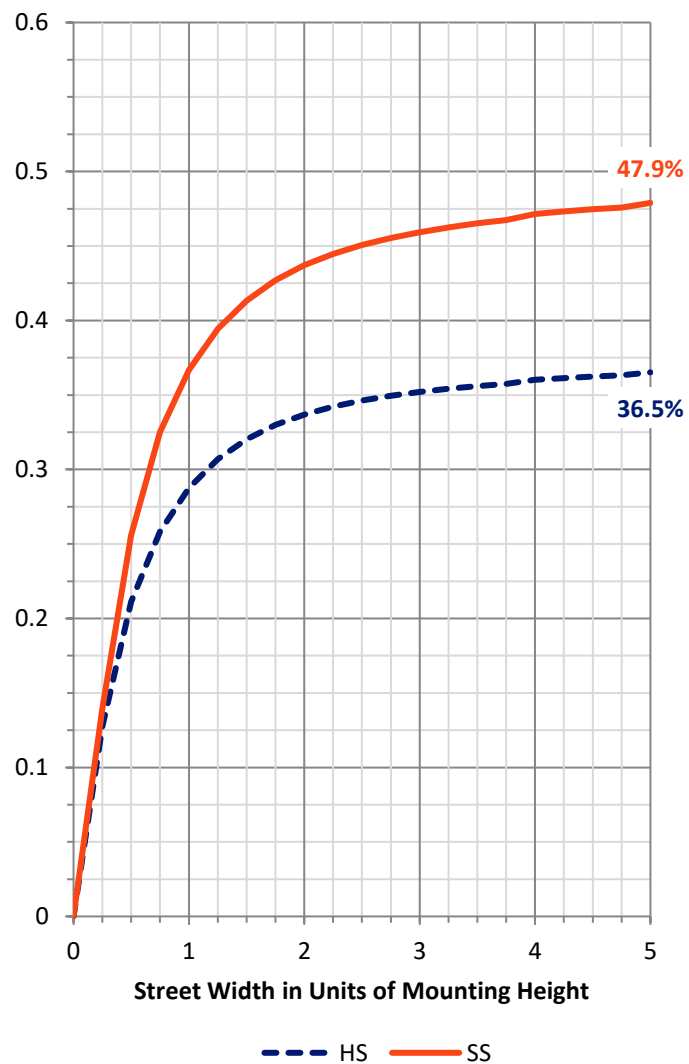
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.8	142.5	1246.3
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	1440.9	248.7	1689.7
	% Fixture	49.1	8.5	57.5
Total	Lumens	2544.7	391.3	2936.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	4.1
10°-20°	358.4	12.2
20°-30°	448.8	15.3
30°-40°	379.1	12.9
40°-50°	333.7	11.4
50°-60°	310.5	10.6
60°-70°	264.3	9.0
70°-80°	200.8	6.8
80°-90°	127.9	4.4
90°-100°	69.7	2.4
100°-110°	43.0	1.5
110°-120°	43.8	1.5
120°-130°	64.0	2.2
130°-140°	83.2	2.8
140°-150°	62.9	2.1
150°-160°	22.2	0.8
160°-170°	2.4	0.1
170°-180°	0.0	0.0
0°-90°	2544.7	86.7
0°-180°	2936.0	100.0

Coefficient of Utilization



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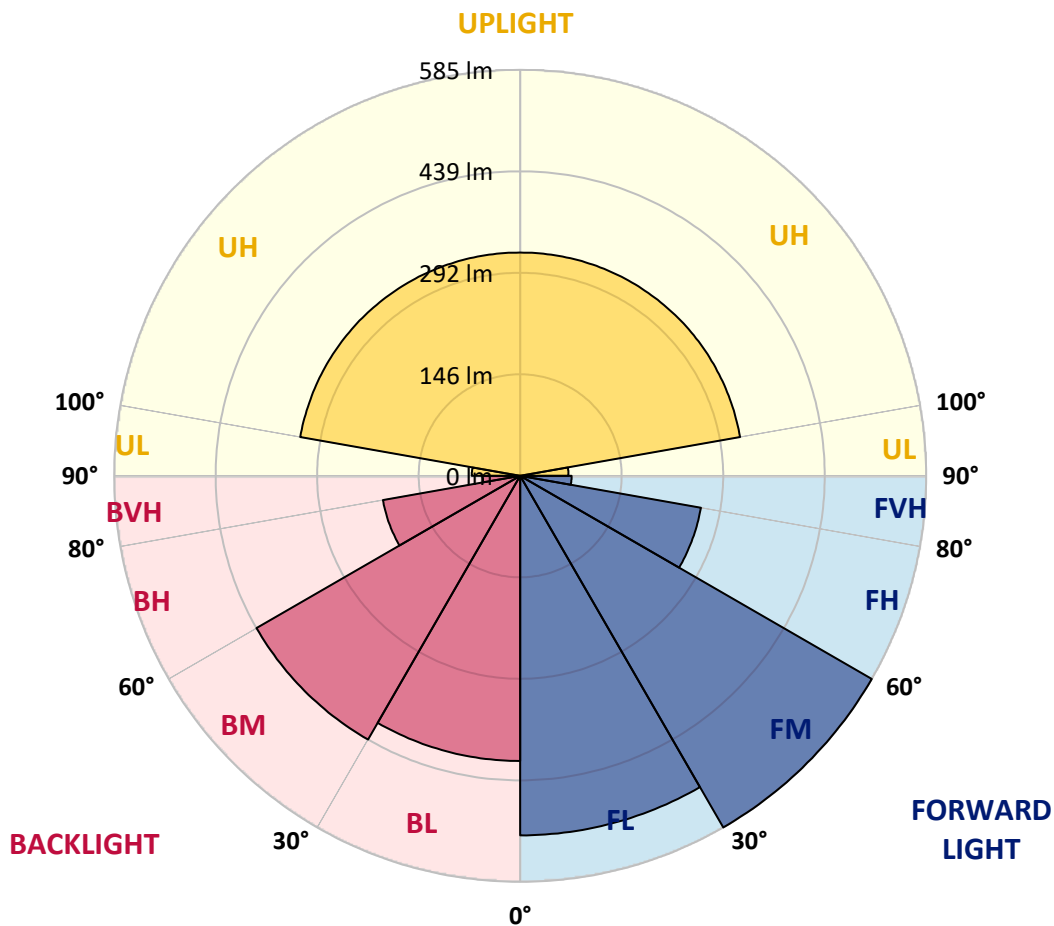
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.8	17.6			
FM	(30°-60°)	584.7	19.9			
FH	(60°-80°)	264.4	9.0			G0/660
FVH	(80°-90°)	74.0	2.5			G1/100
BL	(0°-30°)	410.7	14.0	B1/500		
BM	(30°-60°)	438.5	14.9	B1/1000		
BH	(60°-80°)	200.7	6.8	B1/500		G1/500
BVH	(80°-90°)	53.9	1.8			G1/100
UL	(90°-100°)	69.7	2.4		U3/500	
UH	(100°-180°)	321.6	11.0		U3/500	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4
2.5°	1213.9	1214.8	1217.6	1222.2	1222.2	1222.2	1222.2	1218.5	1224.0	1222.2	1218.5
5°	1275.5	1275.5	1277.3	1280.1	1277.3	1273.7	1270.9	1264.5	1265.4	1259.9	1254.4
7.5°	1333.4	1333.4	1335.2	1337.1	1327.9	1326.0	1314.1	1296.6	1278.3	1258.0	1236.9
10°	1373.8	1374.7	1378.4	1376.6	1370.1	1358.2	1331.6	1297.6	1263.6	1227.7	1198.3
12.5°	1431.7	1431.7	1430.8	1436.3	1423.4	1403.2	1362.8	1315.0	1277.3	1237.8	1195.5
15°	1494.2	1497.0	1506.2	1508.0	1488.7	1459.3	1413.3	1365.6	1322.4	1280.1	1230.5
17.5°	1527.3	1528.2	1525.5	1513.5	1490.5	1460.2	1414.3	1366.5	1349.9	1327.9	1274.6
20°	1417.9	1418.9	1427.1	1425.3	1420.7	1463.9	1419.8	1359.1	1316.9	1247.0	1150.5
22.5°	1313.2	1313.2	1329.7	1372.9	1347.2	1325.1	1273.7	1246.1	1153.3	1140.4	1093.5
25°	1329.7	1332.5	1327.9	1259.9	1205.7	1227.7	1168.9	1105.5	1114.7	1087.1	983.3
27.5°	1144.1	1146.8	1159.7	1187.3	1124.8	1088.0	1051.3	975.9	986.0	957.5	972.2
30°	919.9	914.4	918.9	927.2	887.7	877.6	869.3	851.9	851.9	759.0	702.1
32.5°	765.5	768.2	770.1	767.3	765.5	768.2	752.6	738.8	727.8	707.6	687.4
35°	744.3	743.4	745.3	736.1	721.4	718.6	712.2	710.3	700.2	672.7	658.0
37.5°	675.4	674.5	677.3	673.6	658.0	660.7	656.1	649.7	637.7	608.3	597.3
40°	607.4	606.5	607.4	604.7	590.9	588.1	585.4	581.7	571.6	550.4	543.1
42.5°	552.3	550.4	552.3	549.5	535.7	533.9	532.1	530.2	523.8	508.2	506.3
45°	485.2	484.3	486.1	487.0	478.8	483.4	485.2	484.3	479.7	468.7	465.9
47.5°	434.7	434.7	435.6	442.0	439.3	445.7	449.4	451.2	454.0	456.7	456.7
50°	402.5	402.5	402.5	410.8	417.2	431.0	437.4	442.0	447.5	441.1	435.6
52.5°	375.8	376.8	377.7	385.0	395.1	408.9	419.0	427.3	430.1	423.6	420.9
55°	353.8	352.9	355.6	362.1	373.1	386.0	396.1	405.3	414.4	416.3	416.3
57.5°	332.7	333.6	335.4	342.8	353.8	367.6	382.3	396.1	408.9	420.9	426.4
60°	312.4	312.4	313.4	320.7	330.8	344.6	360.2	372.2	386.0	382.3	384.1
62.5°	287.6	287.6	289.5	295.9	306.0	316.1	326.2	332.7	341.8	341.8	343.7
65°	269.3	268.3	270.2	275.7	284.9	292.2	302.3	308.8	318.0	320.7	323.5
67.5°	250.9	250.9	251.8	256.4	265.6	272.9	280.3	287.6	295.9	298.7	302.3
70°	234.3	234.3	234.3	238.9	247.2	253.6	260.1	266.5	274.8	274.8	279.4
72.5°	215.0	215.0	218.7	220.5	229.7	235.3	240.8	245.4	252.7	252.7	256.4
75°	198.5	196.7	199.4	202.2	210.4	215.0	218.7	223.3	230.7	229.7	232.5
77.5°	181.0	179.2	182.0	184.7	190.2	194.8	196.7	201.2	205.8	204.9	207.7
80°	162.7	161.7	164.5	165.4	170.9	174.6	176.4	179.2	183.8	182.0	185.6
82.5°	145.2	143.4	146.1	147.0	150.7	154.4	156.2	158.1	161.7	159.9	162.7
85°	126.8	125.0	126.8	128.7	131.4	135.1	136.0	136.9	141.5	138.8	141.5
87.5°	108.4	106.6	109.4	110.3	113.0	115.8	117.6	117.6	121.3	118.5	121.3
90°	92.8	91.0	92.8	93.7	95.6	98.3	99.2	100.2	102.9	100.2	102.9
92.5°	78.1	76.3	78.1	79.0	80.9	83.6	85.5	85.5	88.2	84.5	87.3
95°	66.2	64.3	66.2	67.1	68.0	69.8	71.7	72.6	74.4	71.7	73.5
97.5°	57.0	56.1	57.0	57.0	57.9	59.7	61.6	62.5	63.4	60.7	61.6
100°	50.5	49.6	50.5	50.5	50.5	51.5	52.4	53.3	54.2	51.5	52.4
102.5°	46.9	46.9	46.9	46.9	46.9	47.8	48.7	48.7	47.8	45.9	45.9
105°	45.0	45.0	45.0	45.0	45.0	45.9	45.9	45.9	45.0	44.1	43.2
107.5°	45.0	45.9	45.0	45.0	45.0	45.9	45.9	45.0	44.1	43.2	41.4
110°	46.9	47.8	46.9	46.9	46.9	46.9	46.9	45.9	44.1	43.2	41.4

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	49.6	50.5	50.5	50.5	49.6	49.6	48.7	47.8	45.9	45.0	43.2
115°	54.2	56.1	55.1	55.1	54.2	54.2	53.3	51.5	49.6	48.7	46.9
117.5°	61.6	63.4	62.5	62.5	62.5	60.7	58.8	57.0	55.1	54.2	52.4
120°	71.7	73.5	72.6	72.6	72.6	69.8	68.9	65.2	63.4	62.5	59.7
122.5°	84.5	86.4	85.5	84.5	85.5	81.8	79.9	76.3	73.5	73.5	68.9
125°	99.2	102.0	101.1	100.2	100.2	96.5	94.7	90.1	86.4	85.5	80.9
127.5°	116.7	119.5	118.5	117.6	116.7	113.0	111.2	105.7	101.1	99.2	93.7
130°	134.2	136.9	136.0	135.1	135.1	131.4	128.7	123.1	117.6	113.0	105.7
132.5°	149.8	151.6	150.7	150.7	151.6	148.9	146.1	138.8	131.4	125.0	116.7
135°	161.7	162.7	162.7	162.7	164.5	161.7	158.1	151.6	142.4	134.2	125.9
137.5°	167.2	167.2	167.2	168.2	170.0	168.2	164.5	159.0	149.8	140.6	131.4
140°	165.4	164.5	165.4	166.3	168.2	168.2	164.5	159.0	150.7	140.6	132.3
142.5°	158.1	156.2	157.1	159.0	159.9	162.7	159.0	153.5	146.1	136.0	128.7
145°	144.3	141.5	142.4	144.3	145.2	148.9	146.1	141.5	136.0	126.8	120.4
147.5°	125.9	123.1	124.1	126.8	125.9	129.6	127.7	125.0	121.3	112.1	107.5
150°	104.8	101.1	102.9	104.8	102.9	106.6	104.8	103.8	102.0	94.7	91.0
152.5°	82.7	79.0	80.9	82.7	79.9	82.7	80.9	81.8	80.9	74.4	72.6
155°	63.4	60.7	61.6	62.5	59.7	61.6	60.7	61.6	61.6	56.1	55.1
157.5°	45.9	43.2	44.1	45.0	43.2	44.1	44.1	44.1	45.0	40.4	39.5
160°	30.3	28.5	29.4	29.4	28.5	29.4	29.4	29.4	30.3	26.6	26.6
162.5°	17.5	15.6	16.5	17.5	16.5	17.5	17.5	18.4	18.4	15.6	15.6
165°	7.4	5.5	6.4	6.4	6.4	7.4	7.4	8.3	8.3	6.4	6.4
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°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4
2.5°	1218.5	1222.2	1227.7	1234.1	1237.8	1243.3	1247.9	1254.4	1260.8	1263.6	1260.8
5°	1252.5	1256.2	1260.8	1267.2	1270.9	1272.7	1284.7	1304.0	1321.4	1333.4	1333.4
7.5°	1229.6	1226.8	1231.4	1238.7	1245.2	1259.0	1275.5	1301.2	1335.2	1357.3	1360.0
10°	1186.4	1183.6	1179.0	1183.6	1188.2	1201.1	1218.5	1244.3	1280.1	1304.0	1306.7
12.5°	1181.8	1174.4	1167.1	1167.1	1167.1	1173.5	1187.3	1205.7	1226.8	1242.4	1246.1
15°	1214.8	1205.7	1191.9	1185.4	1177.2	1170.7	1171.7	1176.3	1190.0	1197.4	1194.6
17.5°	1254.4	1241.5	1200.1	1161.5	1142.3	1123.9	1117.4	1107.3	1086.2	1060.5	1062.3
20°	1135.8	1128.5	1131.2	1114.7	1089.9	1044.8	964.9	939.2	943.8	956.6	955.7
22.5°	1071.5	1051.3	1009.0	953.9	958.5	892.3	884.9	879.4	830.7	813.3	810.5
25°	959.4	959.4	960.3	881.3	842.7	799.5	767.3	745.3	729.6	731.5	747.1
27.5°	948.4	912.5	837.2	760.0	714.0	706.7	680.0	629.5	632.2	631.3	627.6
30°	689.2	679.1	692.0	672.7	637.7	601.9	570.7	543.1	515.5	475.1	469.6
32.5°	674.5	661.6	633.2	596.4	566.1	535.7	505.4	479.7	455.8	443.9	441.1
35°	650.6	638.7	608.3	571.6	540.3	509.1	476.9	449.4	424.6	416.3	410.8
37.5°	593.6	583.5	557.8	524.7	496.2	467.7	436.5	413.5	392.4	384.1	378.6
40°	539.4	532.1	508.2	479.7	452.1	426.4	400.7	380.4	363.0	354.7	351.0
42.5°	503.6	495.3	471.4	442.9	419.0	392.4	370.3	352.0	336.3	329.0	325.3
45°	464.1	457.6	435.6	410.8	386.9	359.3	340.0	322.6	307.8	301.4	297.7
47.5°	451.2	441.1	413.5	386.9	363.0	337.3	317.0	298.7	285.8	280.3	276.6
50°	431.9	422.7	397.0	371.3	345.5	318.9	297.7	279.4	267.4	261.9	259.1
52.5°	414.4	402.5	378.6	351.0	325.3	299.6	280.3	264.7	252.7	247.2	244.4
55°	411.7	397.9	371.3	340.9	310.6	285.8	265.6	250.0	238.0	233.4	230.7
57.5°	417.2	401.6	365.7	328.1	296.8	271.1	250.9	236.2	224.2	216.9	214.1
60°	385.0	374.9	340.0	311.5	282.1	255.5	235.3	219.6	205.8	201.2	197.6
62.5°	342.8	334.5	308.8	283.0	260.1	237.1	217.8	202.2	189.3	184.7	182.0
65°	321.6	314.3	291.3	266.5	244.4	223.3	203.1	188.4	176.4	171.8	169.1
67.5°	301.4	295.0	273.8	249.0	227.9	205.8	189.3	174.6	163.6	159.0	157.1
70°	278.4	272.9	251.8	228.8	207.7	189.3	174.6	160.8	150.7	147.0	144.3
72.5°	255.5	249.0	229.7	205.8	188.4	170.9	158.1	146.1	136.0	132.3	130.5
75°	232.5	226.1	204.9	185.6	169.1	154.4	142.4	131.4	123.1	119.5	117.6
77.5°	207.7	201.2	183.8	166.3	151.6	138.8	127.7	118.5	110.3	107.5	105.7
80°	184.7	178.3	163.6	147.0	134.2	123.1	113.9	104.8	98.3	95.6	94.7
82.5°	162.7	157.1	143.4	129.6	117.6	107.5	100.2	92.8	87.3	84.5	83.6
85°	140.6	136.0	124.1	112.1	102.0	93.7	85.5	79.9	75.4	73.5	71.7
87.5°	120.4	115.8	105.7	95.6	87.3	79.9	72.6	68.0	64.3	63.4	60.7
90°	102.0	98.3	90.1	81.8	74.4	68.0	62.5	58.8	55.1	54.2	53.3
92.5°	87.3	83.6	77.2	70.8	65.2	58.8	55.1	51.5	49.6	48.7	47.8
95°	73.5	71.7	66.2	60.7	57.0	52.4	48.7	45.9	44.1	44.1	43.2
97.5°	62.5	60.7	56.1	53.3	49.6	45.9	43.2	41.4	40.4	40.4	38.6
100°	52.4	51.5	47.8	45.0	43.2	40.4	37.7	36.8	35.8	35.8	34.9
102.5°	45.9	45.0	42.3	39.5	37.7	35.8	34.0	33.1	32.2	32.2	31.2
105°	42.3	41.4	38.6	36.8	34.9	33.1	31.2	30.3	29.4	29.4	28.5
107.5°	40.4	39.5	37.7	35.8	33.1	31.2	30.3	29.4	26.6	27.6	27.6
110°	40.4	39.5	37.7	35.8	33.1	31.2	30.3	28.5	24.8	26.6	25.7

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CATALOG NUMBER: CRTK-N-20-727-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	42.3	41.4	39.5	36.8	34.0	32.2	30.3	28.5	23.9	25.7	25.7
115°	45.9	44.1	42.3	39.5	36.8	34.0	32.2	29.4	23.9	24.8	24.8
117.5°	50.5	48.7	46.9	43.2	39.5	36.8	34.0	30.3	24.8	24.8	24.8
120°	57.9	55.1	52.4	47.8	43.2	40.4	36.8	32.2	25.7	25.7	25.7
122.5°	66.2	63.4	59.7	53.3	47.8	44.1	39.5	34.9	26.6	26.6	26.6
125°	76.3	73.5	68.9	60.7	53.3	49.6	43.2	36.8	28.5	27.6	27.6
127.5°	89.1	84.5	78.1	68.0	59.7	55.1	46.9	38.6	29.4	27.6	28.5
130°	101.1	95.6	87.3	76.3	67.1	59.7	51.5	41.4	31.2	27.6	29.4
132.5°	111.2	105.7	96.5	84.5	73.5	65.2	55.1	43.2	32.2	28.5	29.4
135°	120.4	114.9	103.8	91.0	79.0	68.9	57.9	45.0	33.1	29.4	30.3
137.5°	126.8	121.3	108.4	95.6	82.7	70.8	58.8	45.9	33.1	29.4	29.4
140°	127.7	123.1	109.4	96.5	82.7	70.8	57.9	45.9	33.1	29.4	29.4
142.5°	125.0	119.5	106.6	93.7	80.9	68.0	56.1	43.2	31.2	27.6	27.6
145°	117.6	113.0	100.2	88.2	75.4	63.4	51.5	39.5	28.5	24.8	24.8
147.5°	104.8	101.1	89.1	79.9	67.1	56.1	45.0	34.9	24.8	21.1	21.1
150°	90.1	87.3	76.3	68.0	57.9	46.9	37.7	29.4	20.2	17.5	16.5
152.5°	73.5	70.8	61.6	55.1	45.9	37.7	30.3	23.0	16.5	13.8	12.9
155°	55.1	54.2	45.9	42.3	34.9	28.5	23.0	17.5	11.9	10.1	9.2
157.5°	40.4	38.6	33.1	30.3	25.7	21.1	16.5	12.9	8.3	6.4	5.5
160°	26.6	26.6	22.1	20.2	17.5	13.8	11.0	8.3	5.5	3.7	2.8
162.5°	15.6	15.6	12.9	11.9	11.0	8.3	6.4	5.5	3.7	1.8	1.8
165°	7.4	7.4	5.5	5.5	4.6	4.6	3.7	2.8	1.8	1.8	0.9
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)