

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: P853294

Luminaire Tested: **CRTK-N-20-730-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-20-730-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

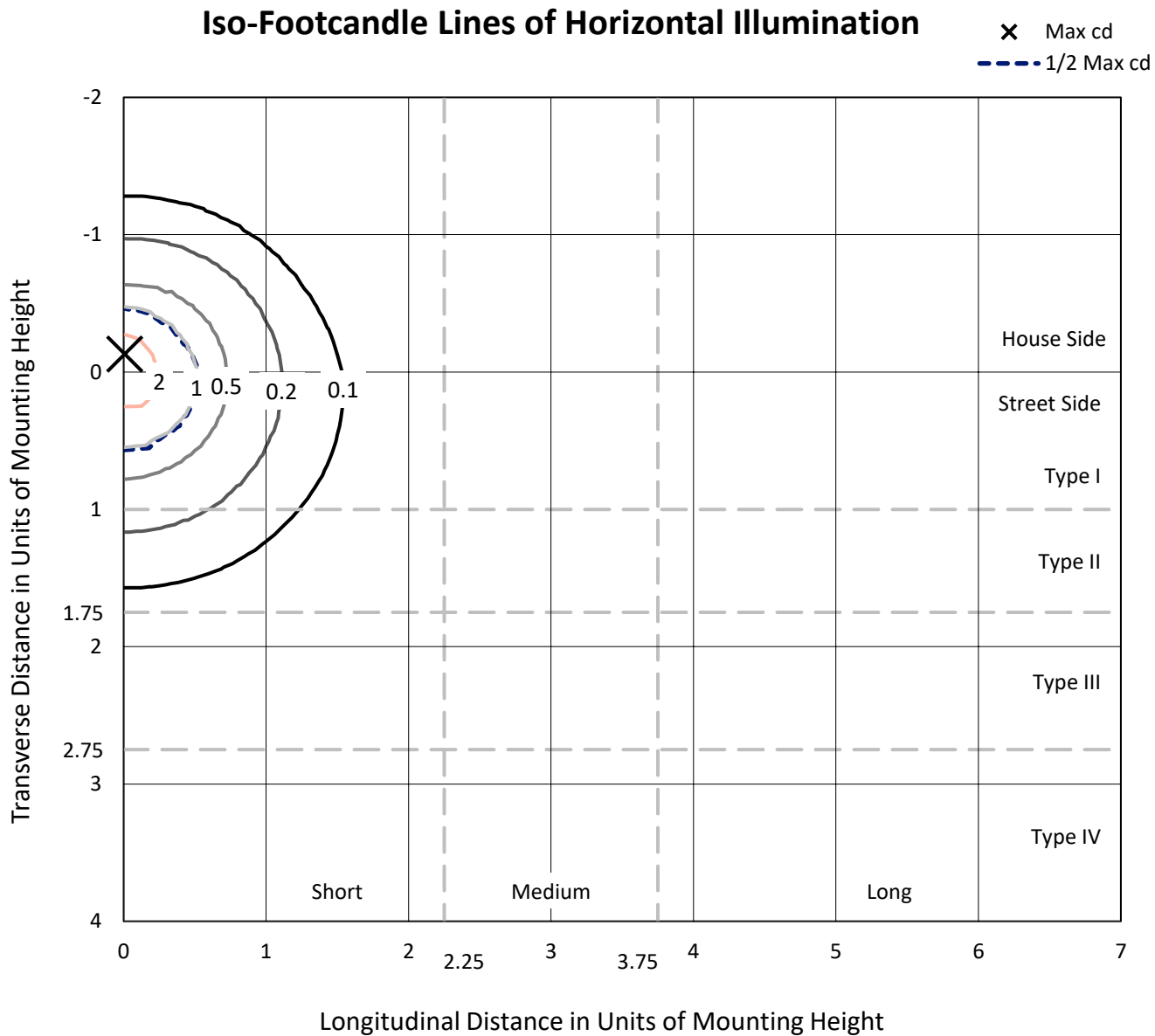
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2992 lumens
Efficiency: N/A
Efficacy: 129.0 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



REPORT NUMBER: P853294
CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

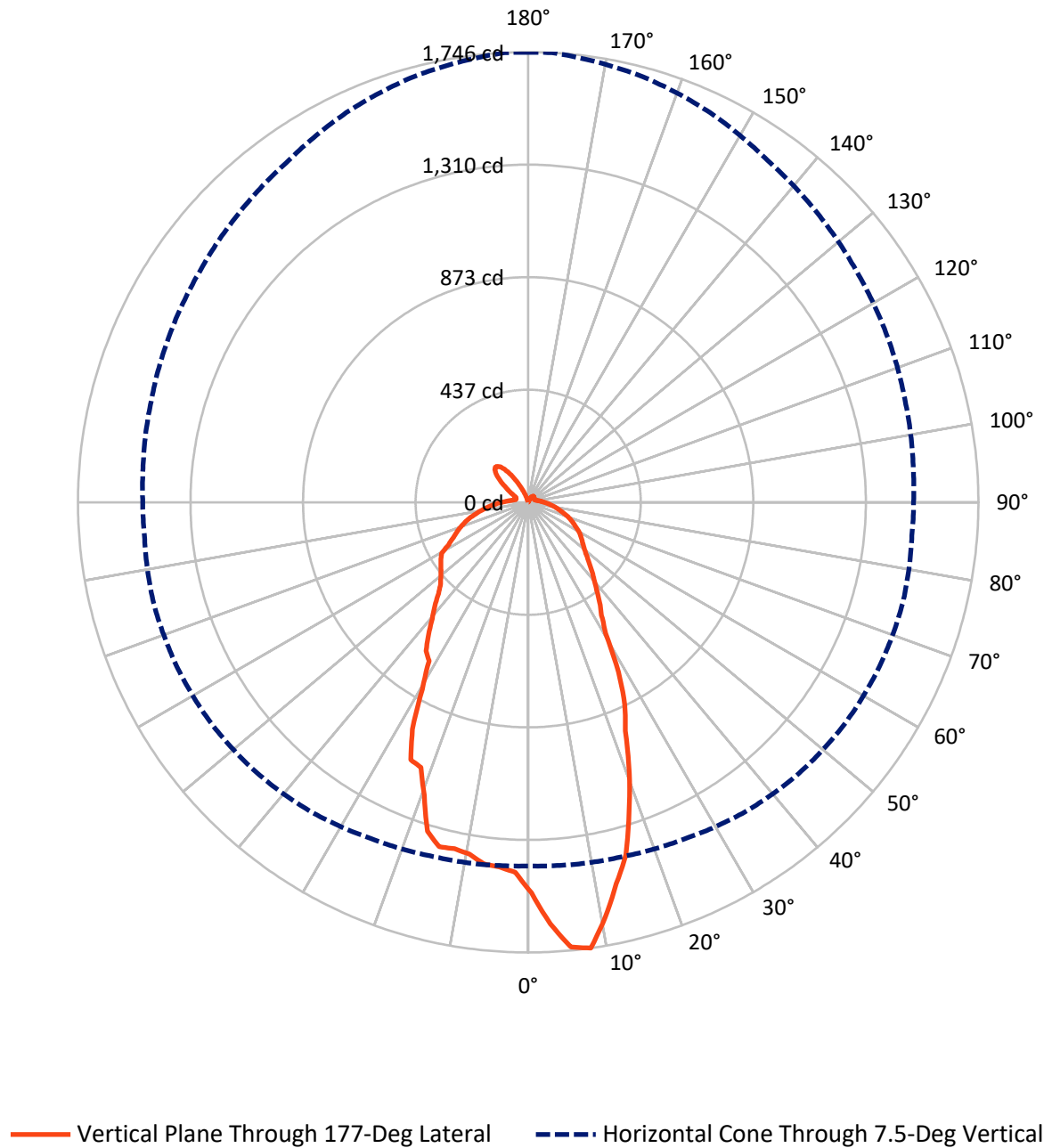


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type I - Short - N/A

REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

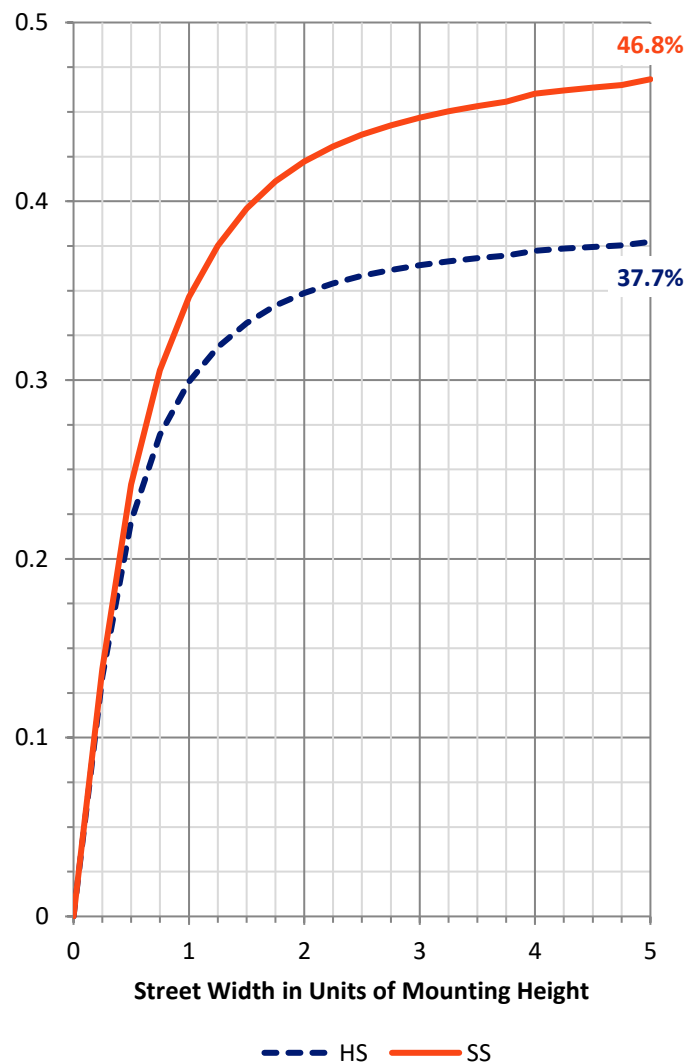
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1161.6	137.4	1299.0
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	1439.5	253.5	1693.0
	% Fixture	48.1	8.5	56.6
Total	Lumens	2601.0	391.0	2992.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	4.9
10°-20°	381.6	12.8
20°-30°	436.2	14.6
30°-40°	371.9	12.4
40°-50°	330.7	11.1
50°-60°	319.0	10.7
60°-70°	277.3	9.3
70°-80°	208.2	7.0
80°-90°	130.7	4.4
90°-100°	70.9	2.4
100°-110°	43.9	1.5
110°-120°	44.5	1.5
120°-130°	64.3	2.1
130°-140°	82.5	2.8
140°-150°	61.6	2.1
150°-160°	21.1	0.7
160°-170°	2.2	0.1
170°-180°	0.0	0.0
0°-90°	2601.0	86.9
0°-180°	2992.0	100.0

Coefficient of Utilization



REPORT NUMBER: P853294

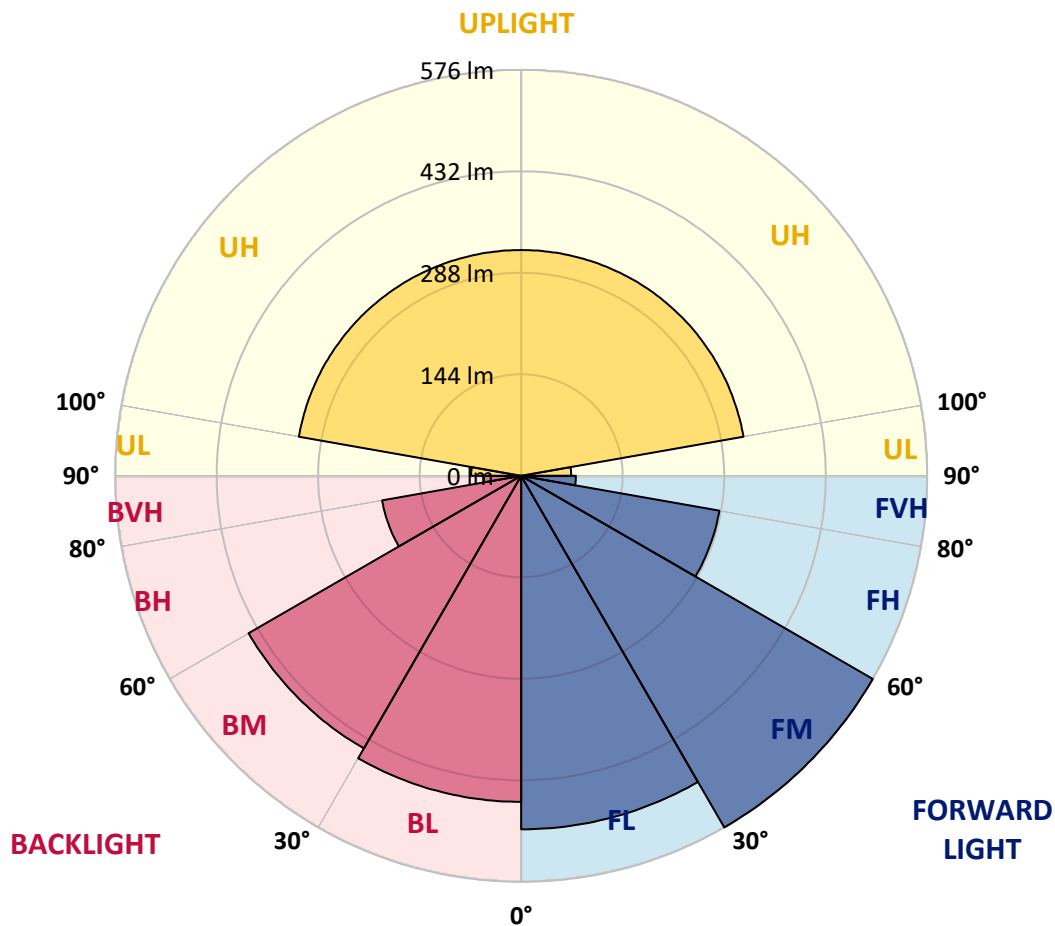
CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	501.1	16.7			
FM	(30°-60°)	575.5	19.2			
FH	(60°-80°)	285.3	9.5			G0/660
FVH	(80°-90°)	77.6	2.6			G1/100
BL	(0°-30°)	462.2	15.4	B1/500		
BM	(30°-60°)	446.1	14.9	B1/1000		
BH	(60°-80°)	200.2	6.7	B1/500		G1/500
BVH	(80°-90°)	53.1	1.8			G1/100
UL	(90°-100°)	70.9	2.4		U3/500	
UH	(100°-180°)	320.0	10.7		U3/500	

BUG Rating: B1-U3-G1

Type I Short



REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0
2.5°	1436.0	1436.0	1443.6	1450.2	1458.8	1465.5	1475.0	1488.3	1498.8	1503.6	1511.2
5°	1417.9	1419.8	1430.3	1446.4	1462.6	1476.0	1492.1	1508.3	1518.8	1522.6	1530.2
7.5°	1411.2	1414.1	1422.6	1439.8	1466.4	1486.4	1498.8	1504.5	1504.5	1494.0	1495.0
10°	1380.7	1385.5	1396.0	1418.8	1445.5	1459.8	1458.8	1456.9	1447.4	1426.4	1421.7
12.5°	1374.1	1374.1	1390.3	1412.2	1432.2	1437.9	1430.3	1423.6	1403.6	1376.0	1367.4
15°	1374.1	1383.6	1396.9	1411.2	1423.6	1427.4	1426.4	1417.9	1398.8	1363.6	1349.3
17.5°	1329.3	1338.8	1336.0	1349.3	1362.6	1369.3	1367.4	1381.7	1398.8	1362.6	1343.6
20°	1204.6	1207.4	1214.1	1234.1	1318.8	1310.3	1302.7	1304.6	1285.5	1205.5	1182.7
22.5°	1099.8	1116.0	1148.4	1147.4	1157.9	1136.0	1163.6	1110.3	1137.9	1106.5	1086.5
25°	1096.0	1098.9	1051.3	1035.1	1057.9	1024.6	1016.0	1053.2	1058.9	977.9	953.2
27.5°	981.7	992.2	994.1	956.0	938.9	933.2	874.1	918.9	912.2	937.9	914.1
30°	816.1	844.6	829.4	806.5	795.1	786.5	775.1	782.7	760.8	683.7	671.3
32.5°	725.6	724.6	722.7	723.7	712.3	698.0	687.5	680.8	669.4	654.2	644.7
35°	699.9	698.0	691.3	677.0	669.4	661.8	655.1	650.4	638.0	620.9	614.2
37.5°	640.9	641.8	634.2	622.8	616.1	607.5	598.0	590.4	577.1	560.9	557.1
40°	584.7	584.7	579.0	564.7	556.1	546.6	539.0	532.3	521.8	509.4	506.6
42.5°	540.9	540.9	536.1	521.8	514.2	504.7	496.1	490.4	482.8	473.3	470.4
45°	495.2	496.1	492.3	482.8	477.1	469.4	459.9	453.3	444.7	436.1	434.2
47.5°	464.7	463.7	465.6	457.1	452.3	444.7	438.0	432.3	429.5	425.6	419.9
50°	444.7	445.6	447.5	445.6	449.5	441.8	435.2	432.3	423.7	411.4	402.8
52.5°	426.6	430.4	432.3	433.3	435.2	433.3	429.5	420.9	405.7	395.2	386.6
55°	415.2	417.1	418.0	422.8	423.7	419.9	416.1	411.4	399.9	389.5	382.8
57.5°	401.8	404.7	409.5	415.2	416.1	413.3	414.2	411.4	401.8	395.2	383.7
60°	387.6	390.4	388.5	393.3	395.2	396.1	392.3	395.2	386.6	371.4	360.9
62.5°	347.6	349.5	350.4	358.0	359.9	358.0	353.3	347.6	339.9	330.4	324.7
65°	322.8	323.8	324.7	329.5	328.5	327.6	323.8	319.9	316.1	309.5	304.7
67.5°	300.9	302.8	302.8	307.6	305.7	304.7	300.9	298.0	295.2	289.5	284.7
70°	280.9	283.8	281.9	286.6	284.7	282.8	279.0	276.1	273.3	267.6	263.8
72.5°	259.0	261.9	260.9	264.7	262.8	260.9	258.1	255.2	250.4	245.7	241.9
75°	237.1	239.0	238.1	241.9	240.0	238.1	233.3	231.4	227.6	222.8	217.1
77.5°	211.4	214.3	214.3	217.1	213.3	212.3	208.5	207.6	204.7	200.0	195.2
80°	188.5	191.4	191.4	192.4	189.5	188.5	184.7	184.7	180.9	177.1	173.3
82.5°	165.7	168.5	167.6	168.5	165.7	164.7	160.9	161.9	159.0	155.2	152.4
85°	143.8	146.6	144.7	145.7	142.8	140.9	139.0	140.0	138.1	134.3	131.4
87.5°	124.7	124.7	123.8	124.7	121.9	120.0	119.0	120.0	117.1	114.3	112.4
90°	104.7	105.7	104.7	105.7	102.8	101.9	100.9	100.9	99.0	96.2	94.3
92.5°	88.6	88.6	87.6	88.6	86.7	86.7	85.7	85.7	84.7	81.9	80.9
95°	74.3	74.3	74.3	74.3	73.3	73.3	73.3	72.4	72.4	69.5	68.6
97.5°	63.8	63.8	62.8	63.8	62.8	62.8	62.8	61.9	61.9	59.0	59.0
100°	55.2	55.2	54.3	54.3	54.3	54.3	54.3	53.3	52.4	50.5	50.5
102.5°	50.5	50.5	50.5	50.5	49.5	49.5	48.6	47.6	46.7	44.8	44.8
105°	48.6	48.6	48.6	47.6	47.6	47.6	46.7	44.8	43.8	41.9	40.9
107.5°	48.6	48.6	48.6	47.6	47.6	46.7	45.7	43.8	42.9	40.9	40.0
110°	50.5	50.5	49.5	49.5	48.6	47.6	46.7	44.8	42.9	40.9	40.0

REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	53.3	53.3	53.3	52.4	51.4	50.5	48.6	46.7	43.8	42.9	41.9
115°	59.0	59.0	59.0	57.1	56.2	54.3	51.4	49.5	47.6	45.7	44.8
117.5°	67.6	67.6	66.7	64.8	62.8	60.9	57.1	55.2	52.4	50.5	48.6
120°	79.0	79.0	78.1	75.2	73.3	69.5	65.7	61.9	59.0	57.1	55.2
122.5°	93.3	93.3	93.3	88.6	85.7	80.9	76.2	72.4	67.6	65.7	62.8
125°	111.4	110.5	110.5	103.8	101.9	96.2	89.5	84.7	79.0	75.2	72.4
127.5°	132.4	131.4	129.5	122.8	119.0	112.4	104.7	99.0	91.4	86.7	82.8
130°	151.4	151.4	149.5	142.8	138.1	131.4	120.9	114.3	103.8	97.1	93.3
132.5°	168.5	168.5	166.6	160.9	155.2	146.6	136.2	126.6	114.3	106.6	102.8
135°	181.9	180.9	179.0	174.3	168.5	159.0	147.6	137.1	123.8	114.3	110.5
137.5°	186.6	186.6	183.8	180.0	174.3	164.7	154.3	142.8	130.5	120.0	116.2
140°	182.8	182.8	180.9	179.0	173.3	164.7	155.2	143.8	132.4	121.9	116.2
142.5°	174.3	174.3	172.4	172.4	166.6	159.0	150.5	140.0	129.5	118.1	113.3
145°	156.2	157.1	155.2	157.1	152.4	146.6	140.0	130.5	121.9	111.4	105.7
147.5°	134.3	134.3	133.3	137.1	132.4	128.6	123.8	115.2	109.5	99.0	94.3
150°	108.6	109.5	108.6	111.4	107.6	104.7	102.8	97.1	92.4	83.8	80.0
152.5°	83.8	83.8	82.8	85.7	81.9	80.9	80.0	76.2	74.3	66.7	63.8
155°	61.9	61.9	61.9	63.8	60.0	59.0	60.0	57.1	56.2	50.5	48.6
157.5°	43.8	43.8	42.9	44.8	42.9	41.9	42.9	40.9	40.0	36.2	34.3
160°	28.6	28.6	27.6	29.5	27.6	27.6	28.6	26.7	26.7	24.8	22.9
162.5°	15.2	15.2	15.2	17.1	16.2	16.2	17.1	16.2	16.2	15.2	14.3
165°	5.7	5.7	5.7	6.7	6.7	6.7	7.6	6.7	7.6	6.7	6.7
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

REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
0°	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0	1515.0
2.5°	1518.8	1536.9	1557.8	1572.1	1591.2	1609.3	1622.6	1639.7	1646.4	1637.8	1637.8
5°	1536.9	1559.8	1585.5	1605.5	1630.2	1658.8	1691.2	1719.7	1735.0	1733.1	1733.1
7.5°	1499.8	1514.0	1535.0	1556.9	1586.4	1618.8	1668.3	1710.2	1740.7	1746.4	1745.4
10°	1422.6	1422.6	1435.0	1451.2	1473.1	1506.4	1556.9	1598.8	1631.2	1638.8	1638.8
12.5°	1358.8	1356.9	1360.7	1371.2	1389.3	1416.0	1453.1	1486.4	1513.1	1518.8	1519.8
15°	1338.8	1319.8	1316.0	1320.7	1330.3	1343.6	1375.0	1396.9	1416.0	1418.8	1416.9
17.5°	1327.4	1292.2	1242.7	1231.2	1235.0	1245.5	1264.6	1270.3	1260.8	1266.5	1259.8
20°	1175.1	1172.2	1151.2	1137.9	1121.7	1085.5	1097.0	1105.5	1117.9	1120.8	1117.9
22.5°	1066.5	1030.3	975.1	989.4	957.0	960.8	981.7	966.5	959.8	963.7	957.9
25°	953.2	943.7	880.8	850.3	838.0	828.4	839.9	838.9	861.8	871.3	864.6
27.5°	893.2	815.1	770.4	730.4	737.0	723.7	725.6	738.0	742.7	745.6	739.9
30°	668.5	684.7	670.4	650.4	636.1	622.8	619.9	606.6	589.4	591.3	578.0
32.5°	636.1	619.9	599.0	582.8	569.4	556.1	543.7	528.5	520.9	521.8	514.2
35°	607.5	590.4	567.5	549.4	534.2	517.1	500.9	482.8	476.1	478.0	470.4
37.5°	553.2	539.9	519.0	501.8	486.6	465.6	452.3	437.1	430.4	431.4	424.7
40°	503.7	489.4	471.4	454.2	439.0	423.7	411.4	399.0	391.4	393.3	387.6
42.5°	467.5	452.3	435.2	419.0	404.7	389.5	378.0	365.7	359.9	361.8	356.1
45°	429.5	418.0	400.9	384.7	371.4	356.1	345.7	334.2	328.5	329.5	324.7
47.5°	411.4	391.4	373.3	357.1	343.8	328.5	318.0	307.6	304.7	302.8	300.0
50°	395.2	373.3	353.3	337.1	321.9	307.6	296.1	287.6	281.9	281.9	280.0
52.5°	376.1	354.2	332.3	315.2	300.9	287.6	278.1	269.5	266.6	264.7	262.8
55°	369.5	344.7	319.9	300.9	285.7	273.3	264.7	257.1	253.3	252.3	250.4
57.5°	368.5	336.1	306.6	285.7	270.4	258.1	250.4	243.8	240.0	239.0	237.1
60°	350.4	319.9	292.3	273.3	258.1	244.7	237.1	230.4	227.6	223.8	220.9
62.5°	315.2	292.3	270.4	255.2	241.9	228.5	218.1	210.4	207.6	205.7	203.8
65°	297.1	276.1	255.2	239.0	224.7	212.3	203.8	196.2	193.3	191.4	189.5
67.5°	278.1	258.1	237.1	220.9	208.5	196.2	187.6	180.9	178.1	176.2	174.3
70°	257.1	237.1	214.3	200.9	189.5	178.1	170.4	164.7	161.9	160.9	158.1
72.5°	234.2	212.3	193.3	180.9	170.4	160.0	154.3	147.6	145.7	143.8	141.9
75°	210.4	191.4	173.3	161.9	152.4	143.8	138.1	132.4	129.5	128.6	126.6
77.5°	189.5	171.4	154.3	144.7	136.2	128.6	122.8	119.0	116.2	115.2	114.3
80°	168.5	151.4	138.1	128.6	120.0	113.3	109.5	105.7	103.8	102.8	101.9
82.5°	145.7	132.4	120.9	112.4	105.7	100.0	96.2	93.3	92.4	90.5	90.5
85°	126.6	114.3	103.8	98.1	91.4	86.7	83.8	81.9	80.9	80.0	79.0
87.5°	107.6	98.1	89.5	83.8	79.0	75.2	72.4	71.4	70.5	69.5	68.6
90°	90.5	82.8	76.2	71.4	67.6	63.8	61.9	60.9	60.9	60.0	60.0
92.5°	77.1	71.4	65.7	62.8	59.0	56.2	55.2	54.3	53.3	53.3	53.3
95°	66.7	61.9	58.1	55.2	52.4	50.5	48.6	48.6	47.6	47.6	47.6
97.5°	57.1	54.3	50.5	48.6	46.7	44.8	43.8	42.9	42.9	41.9	41.9
100°	48.6	46.7	43.8	42.9	40.9	39.0	38.1	38.1	38.1	37.1	37.1
102.5°	42.9	40.9	39.0	37.1	36.2	34.3	34.3	33.3	33.3	33.3	33.3
105°	40.0	38.1	36.2	34.3	33.3	32.4	31.4	30.5	30.5	30.5	30.5
107.5°	39.0	37.1	35.2	33.3	31.4	30.5	29.5	27.6	28.6	28.6	28.6
110°	39.0	37.1	35.2	33.3	31.4	30.5	29.5	26.7	27.6	27.6	27.6

REPORT NUMBER: P853294

CATALOG NUMBER: CRTK-N-20-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	40.9	38.1	36.2	34.3	32.4	31.4	29.5	25.7	26.7	26.7	26.7
115°	43.8	40.9	38.1	36.2	34.3	32.4	30.5	24.8	25.7	25.7	25.7
117.5°	47.6	44.8	41.9	39.0	36.2	34.3	31.4	25.7	25.7	25.7	25.7
120°	54.3	49.5	45.7	42.9	40.0	37.1	33.3	25.7	26.7	26.7	26.7
122.5°	61.9	56.2	51.4	46.7	43.8	40.0	35.2	27.6	27.6	27.6	28.6
125°	70.5	63.8	58.1	52.4	48.6	42.9	37.1	28.6	28.6	29.5	29.5
127.5°	80.0	72.4	64.8	58.1	53.3	45.7	39.0	30.5	29.5	29.5	29.5
130°	89.5	80.0	72.4	63.8	57.1	49.5	40.9	31.4	28.6	29.5	30.5
132.5°	98.1	87.6	79.0	69.5	61.9	52.4	42.9	32.4	29.5	30.5	30.5
135°	105.7	94.3	83.8	73.3	64.8	55.2	43.8	33.3	30.5	30.5	31.4
137.5°	110.5	98.1	86.7	76.2	65.7	56.2	44.8	33.3	30.5	30.5	30.5
140°	111.4	99.0	86.7	75.2	64.8	55.2	43.8	33.3	29.5	30.5	29.5
142.5°	107.6	95.2	82.8	71.4	61.9	52.4	41.9	31.4	27.6	28.6	28.6
145°	100.0	88.6	77.1	65.7	57.1	47.6	38.1	28.6	24.8	25.7	24.8
147.5°	88.6	79.0	67.6	58.1	50.5	41.9	33.3	24.8	20.9	21.9	20.9
150°	75.2	67.6	57.1	48.6	41.9	35.2	27.6	20.0	17.1	17.1	16.2
152.5°	59.0	54.3	46.7	38.1	33.3	27.6	21.9	16.2	12.4	13.3	12.4
155°	45.7	40.9	35.2	29.5	25.7	20.9	16.2	11.4	8.6	9.5	8.6
157.5°	32.4	29.5	25.7	20.9	18.1	15.2	11.4	8.6	5.7	5.7	5.7
160°	21.9	20.0	17.1	14.3	12.4	10.5	7.6	5.7	2.9	2.9	2.9
162.5°	13.3	12.4	10.5	8.6	7.6	6.7	4.8	2.9	1.9	1.9	1.9
165°	6.7	5.7	4.8	3.8	3.8	2.9	2.9	1.9	1.0	1.0	1.0
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)