

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: P853291

Luminaire Tested: **CRTK-N-20-730-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853291
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-20-730-U-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

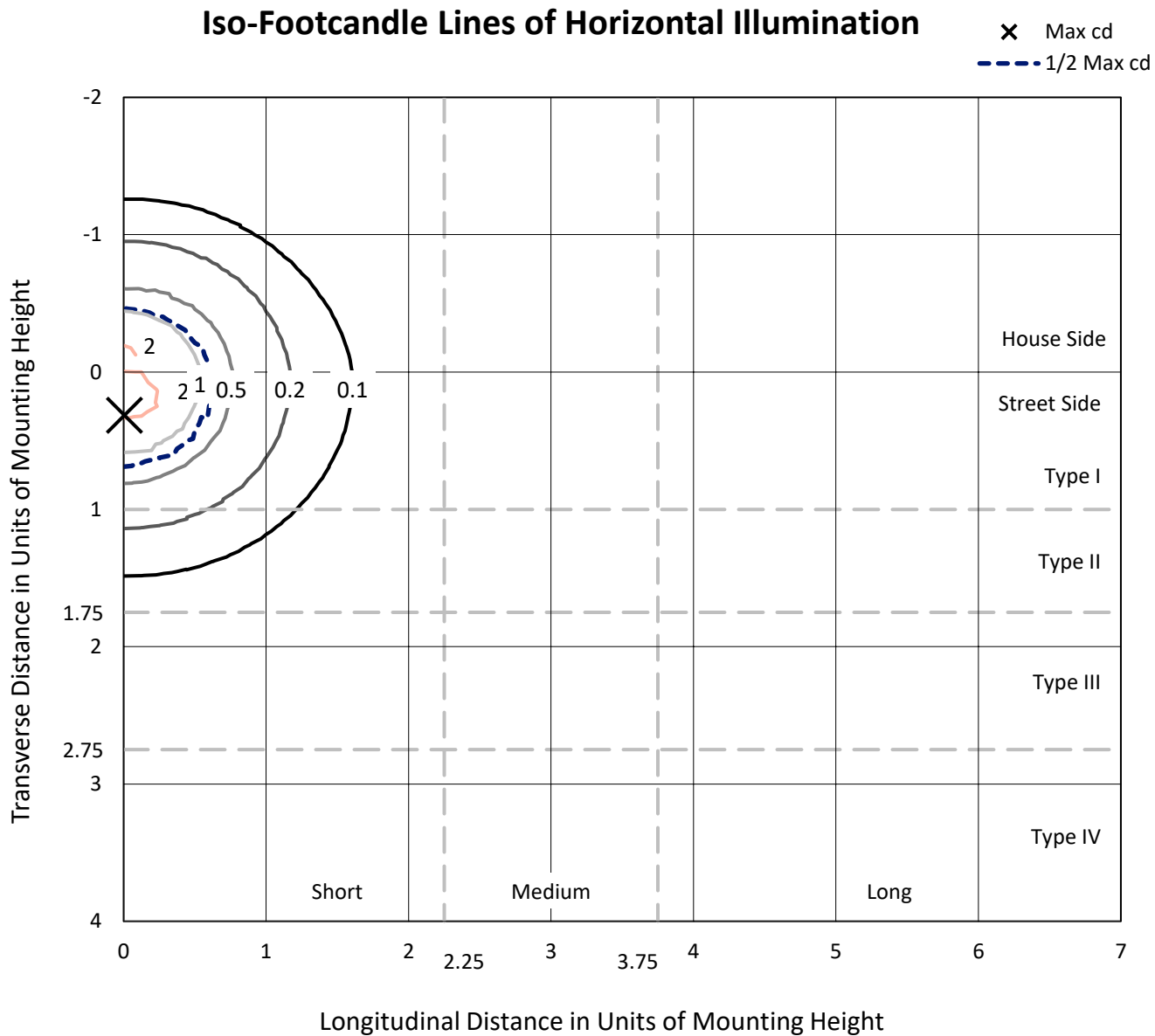
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3043 lumens
Efficiency: N/A
Efficacy: 131.2 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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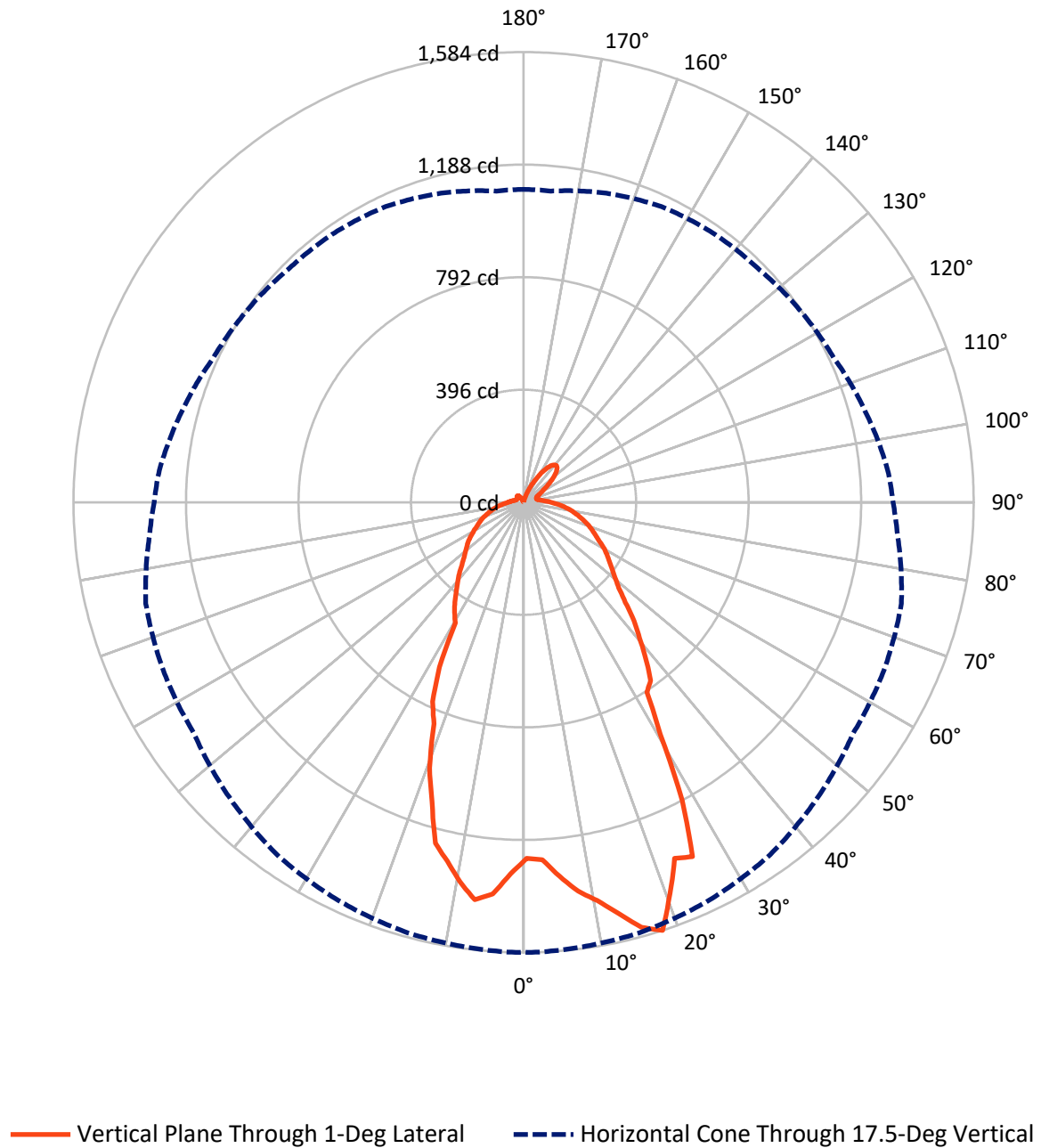


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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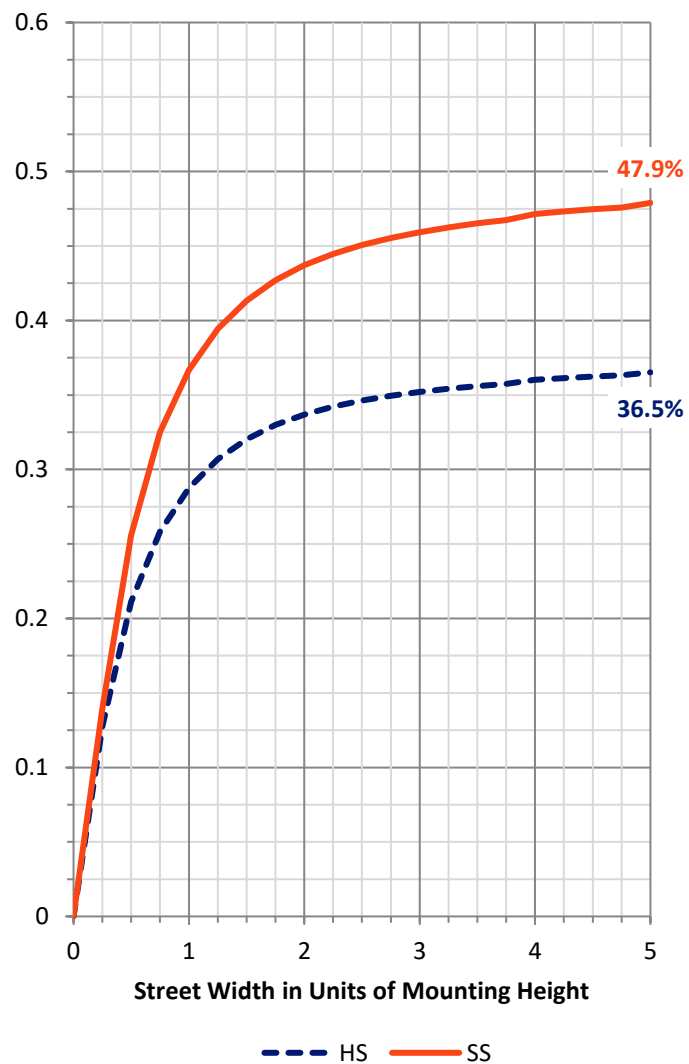
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1144.0	147.7	1291.8
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	1493.4	257.8	1751.2
	% Fixture	49.1	8.5	57.5
Total	Lumens	2637.5	405.5	3043.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.7	4.1
10°-20°	371.4	12.2
20°-30°	465.1	15.3
30°-40°	392.9	12.9
40°-50°	345.8	11.4
50°-60°	321.8	10.6
60°-70°	273.9	9.0
70°-80°	208.2	6.8
80°-90°	132.6	4.4
90°-100°	72.2	2.4
100°-110°	44.6	1.5
110°-120°	45.4	1.5
120°-130°	66.3	2.2
130°-140°	86.3	2.8
140°-150°	65.2	2.1
150°-160°	23.0	0.8
160°-170°	2.5	0.1
170°-180°	0.0	0.0
0°-90°	2637.5	86.7
0°-180°	3043.0	100.0

Coefficient of Utilization



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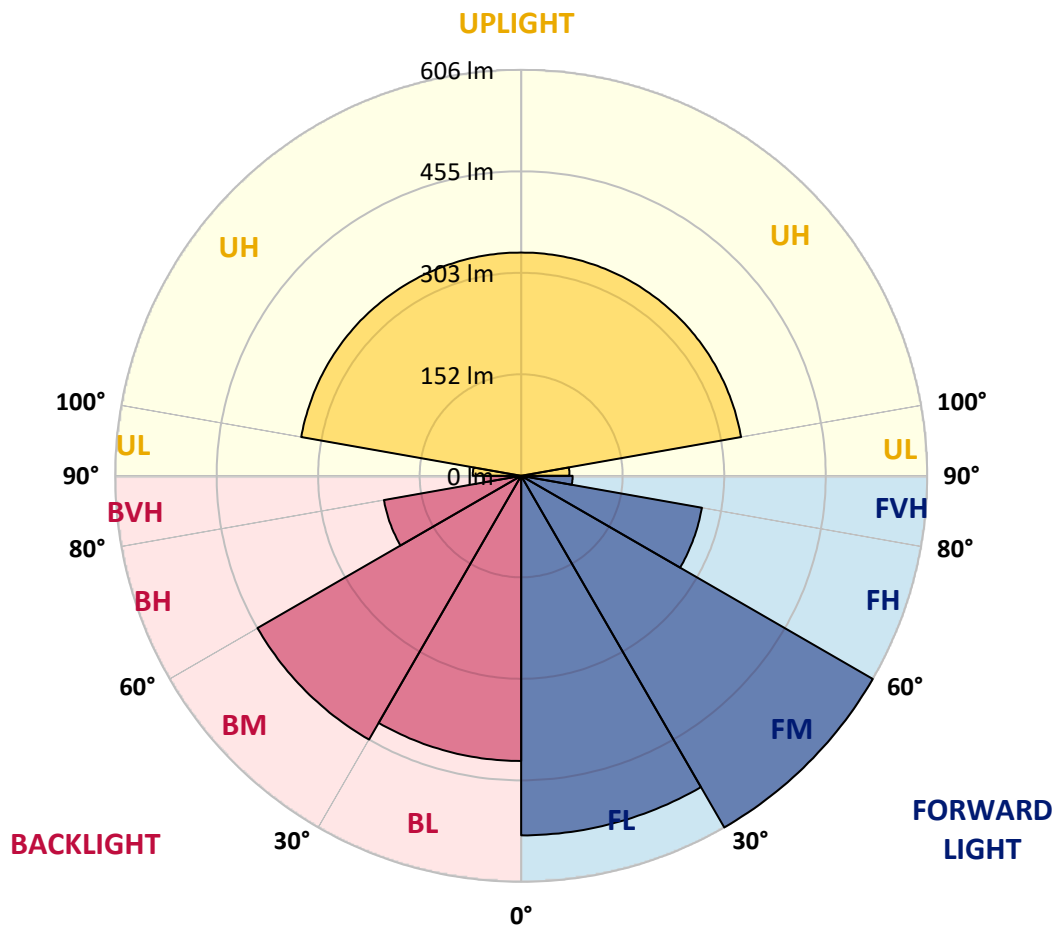
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.6	17.6			
FM	(30°-60°)	606.0	19.9			
FH	(60°-80°)	274.0	9.0			G0/660
FVH	(80°-90°)	76.7	2.5			G1/100
BL	(0°-30°)	425.7	14.0	B1/500		
BM	(30°-60°)	454.5	14.9	B1/1000		
BH	(60°-80°)	208.0	6.8	B1/500		G1/500
BVH	(80°-90°)	55.9	1.8			G1/100
UL	(90°-100°)	72.2	2.4		U3/500	
UH	(100°-180°)	333.3	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°	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5
2.5°	1258.2	1259.1	1262.0	1266.7	1266.7	1266.7	1266.7	1262.9	1268.6	1266.7	1262.9
5°	1322.0	1322.0	1323.9	1326.7	1323.9	1320.1	1317.2	1310.6	1311.5	1305.8	1300.1
7.5°	1382.0	1382.0	1383.9	1385.8	1376.3	1374.4	1362.0	1343.9	1324.8	1303.9	1282.0
10°	1423.9	1424.8	1428.7	1426.7	1420.1	1407.7	1380.1	1344.8	1309.6	1272.5	1242.0
12.5°	1483.9	1483.9	1482.9	1488.7	1475.3	1454.4	1412.5	1362.9	1323.9	1282.9	1239.1
15°	1548.7	1551.5	1561.0	1562.9	1542.9	1512.5	1464.8	1415.3	1370.6	1326.7	1275.3
17.5°	1582.9	1583.9	1581.0	1568.7	1544.9	1513.4	1465.8	1416.3	1399.1	1376.3	1321.0
20°	1469.6	1470.6	1479.1	1477.2	1472.5	1517.2	1471.5	1408.7	1364.8	1292.5	1192.5
22.5°	1361.0	1361.0	1378.2	1422.9	1396.3	1373.4	1320.1	1291.5	1195.3	1182.0	1133.4
25°	1378.2	1381.0	1376.3	1305.8	1249.6	1272.5	1211.5	1145.8	1155.3	1126.7	1019.1
27.5°	1185.8	1188.6	1202.0	1230.5	1165.8	1127.7	1089.6	1011.5	1022.0	992.4	1007.7
30°	953.4	947.7	952.4	961.0	920.1	909.6	901.0	882.9	882.9	786.7	727.7
32.5°	793.4	796.2	798.1	795.3	793.4	796.2	780.0	765.8	754.3	733.4	712.4
35°	771.5	770.5	772.4	762.9	747.7	744.8	738.1	736.2	725.8	697.2	681.9
37.5°	700.0	699.1	701.9	698.1	681.9	684.8	680.0	673.4	661.0	630.5	619.1
40°	629.6	628.6	629.6	626.7	612.4	609.6	606.7	602.9	592.4	570.5	562.9
42.5°	572.4	570.5	572.4	569.6	555.3	553.4	551.5	549.6	542.9	526.7	524.8
45°	502.9	501.9	503.8	504.8	496.2	501.0	502.9	501.9	497.2	485.7	482.9
47.5°	450.5	450.5	451.5	458.1	455.3	461.9	465.7	467.6	470.5	473.4	473.4
50°	417.2	417.2	417.2	425.7	432.4	446.7	453.4	458.1	463.8	457.2	451.5
52.5°	389.5	390.5	391.5	399.1	409.5	423.8	434.3	442.9	445.7	439.1	436.2
55°	366.7	365.7	368.6	375.3	386.7	400.0	410.5	420.0	429.5	431.5	431.5
57.5°	344.8	345.7	347.6	355.3	366.7	381.0	396.2	410.5	423.8	436.2	441.9
60°	323.8	323.8	324.8	332.4	342.9	357.2	373.4	385.7	400.0	396.2	398.1
62.5°	298.1	298.1	300.0	306.7	317.2	327.6	338.1	344.8	354.3	354.3	356.2
65°	279.1	278.1	280.0	285.7	295.3	302.9	313.4	320.0	329.5	332.4	335.3
67.5°	260.0	260.0	261.0	265.7	275.3	282.9	290.5	298.1	306.7	309.5	313.4
70°	242.9	242.9	242.9	247.6	256.2	262.9	269.5	276.2	284.8	284.8	289.5
72.5°	222.9	222.9	226.7	228.6	238.1	243.8	249.5	254.3	261.9	261.9	265.7
75°	205.7	203.8	206.7	209.5	218.1	222.9	226.7	231.4	239.1	238.1	241.0
77.5°	187.6	185.7	188.6	191.4	197.2	201.9	203.8	208.6	213.3	212.4	215.3
80°	168.6	167.6	170.5	171.4	177.2	181.0	182.9	185.7	190.5	188.6	192.4
82.5°	150.5	148.6	151.4	152.4	156.2	160.0	161.9	163.8	167.6	165.7	168.6
85°	131.4	129.5	131.4	133.3	136.2	140.0	141.0	141.9	146.7	143.8	146.7
87.5°	112.4	110.5	113.3	114.3	117.1	120.0	121.9	121.9	125.7	122.9	125.7
90°	96.2	94.3	96.2	97.1	99.1	101.9	102.9	103.8	106.7	103.8	106.7
92.5°	81.0	79.1	81.0	81.9	83.8	86.7	88.6	88.6	91.4	87.6	90.5
95°	68.6	66.7	68.6	69.5	70.5	72.4	74.3	75.2	77.1	74.3	76.2
97.5°	59.1	58.1	59.1	59.1	60.0	61.9	63.8	64.8	65.7	62.9	63.8
100°	52.4	51.4	52.4	52.4	52.4	53.3	54.3	55.2	56.2	53.3	54.3
102.5°	48.6	48.6	48.6	48.6	48.6	49.5	50.5	50.5	49.5	47.6	47.6
105°	46.7	46.7	46.7	46.7	46.7	47.6	47.6	47.6	46.7	45.7	44.8
107.5°	46.7	47.6	46.7	46.7	46.7	47.6	47.6	46.7	45.7	44.8	42.9
110°	48.6	49.5	48.6	48.6	48.6	48.6	48.6	47.6	45.7	44.8	42.9

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	51.4	52.4	52.4	52.4	51.4	51.4	50.5	49.5	47.6	46.7	44.8
115°	56.2	58.1	57.1	57.1	56.2	56.2	55.2	53.3	51.4	50.5	48.6
117.5°	63.8	65.7	64.8	64.8	64.8	62.9	61.0	59.1	57.1	56.2	54.3
120°	74.3	76.2	75.2	75.2	75.2	72.4	71.4	67.6	65.7	64.8	61.9
122.5°	87.6	89.5	88.6	87.6	88.6	84.8	82.9	79.1	76.2	76.2	71.4
125°	102.9	105.7	104.8	103.8	103.8	100.0	98.1	93.3	89.5	88.6	83.8
127.5°	121.0	123.8	122.9	121.9	121.0	117.1	115.2	109.5	104.8	102.9	97.1
130°	139.1	141.9	141.0	140.0	140.0	136.2	133.3	127.6	121.9	117.1	109.5
132.5°	155.2	157.2	156.2	156.2	157.2	154.3	151.4	143.8	136.2	129.5	121.0
135°	167.6	168.6	168.6	168.6	170.5	167.6	163.8	157.2	147.6	139.1	130.5
137.5°	173.3	173.3	173.3	174.3	176.2	174.3	170.5	164.8	155.2	145.7	136.2
140°	171.4	170.5	171.4	172.4	174.3	174.3	170.5	164.8	156.2	145.7	137.2
142.5°	163.8	161.9	162.9	164.8	165.7	168.6	164.8	159.1	151.4	141.0	133.3
145°	149.5	146.7	147.6	149.5	150.5	154.3	151.4	146.7	141.0	131.4	124.8
147.5°	130.5	127.6	128.6	131.4	130.5	134.3	132.4	129.5	125.7	116.2	111.4
150°	108.6	104.8	106.7	108.6	106.7	110.5	108.6	107.6	105.7	98.1	94.3
152.5°	85.7	81.9	83.8	85.7	82.9	85.7	83.8	84.8	83.8	77.1	75.2
155°	65.7	62.9	63.8	64.8	61.9	63.8	62.9	63.8	63.8	58.1	57.1
157.5°	47.6	44.8	45.7	46.7	44.8	45.7	45.7	45.7	46.7	41.9	41.0
160°	31.4	29.5	30.5	30.5	29.5	30.5	30.5	30.5	31.4	27.6	27.6
162.5°	18.1	16.2	17.1	18.1	17.1	18.1	18.1	19.0	19.0	16.2	16.2
165°	7.6	5.7	6.7	6.7	6.7	7.6	7.6	8.6	8.6	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5	1252.5
2.5°	1262.9	1266.7	1272.5	1279.1	1282.9	1288.6	1293.4	1300.1	1306.7	1309.6	1306.7
5°	1298.2	1302.0	1306.7	1313.4	1317.2	1319.1	1331.5	1351.5	1369.6	1382.0	1382.0
7.5°	1274.4	1271.5	1276.3	1283.9	1290.6	1304.8	1322.0	1348.7	1383.9	1406.7	1409.6
10°	1229.6	1226.7	1222.0	1226.7	1231.5	1244.8	1262.9	1289.6	1326.7	1351.5	1354.4
12.5°	1224.8	1217.2	1209.6	1209.6	1209.6	1216.3	1230.5	1249.6	1271.5	1287.7	1291.5
15°	1259.1	1249.6	1235.3	1228.6	1220.1	1213.4	1214.4	1219.1	1233.4	1241.0	1238.2
17.5°	1300.1	1286.7	1243.9	1203.9	1183.9	1164.8	1158.2	1147.7	1125.8	1099.1	1101.0
20°	1177.2	1169.6	1172.4	1155.3	1129.6	1082.9	1000.1	973.4	978.2	991.5	990.5
22.5°	1110.5	1089.6	1045.8	988.6	993.4	924.8	917.2	911.5	861.0	842.9	840.0
25°	994.3	994.3	995.3	913.4	873.4	828.6	795.3	772.4	756.2	758.1	774.3
27.5°	982.9	945.8	867.7	787.7	740.0	732.4	704.8	652.4	655.3	654.3	650.5
30°	714.3	703.9	717.2	697.2	661.0	623.8	591.5	562.9	534.3	492.4	486.7
32.5°	699.1	685.8	656.2	618.1	586.7	555.3	523.8	497.2	472.4	460.0	457.2
35°	674.3	661.9	630.5	592.4	560.0	527.6	494.3	465.7	440.0	431.5	425.7
37.5°	615.3	604.8	578.1	543.8	514.3	484.8	452.4	428.6	406.7	398.1	392.4
40°	559.1	551.5	526.7	497.2	468.6	441.9	415.3	394.3	376.2	367.6	363.8
42.5°	521.9	513.4	488.6	459.1	434.3	406.7	383.8	364.8	348.6	341.0	337.2
45°	481.0	474.3	451.5	425.7	401.0	372.4	352.4	334.3	319.1	312.4	308.6
47.5°	467.6	457.2	428.6	401.0	376.2	349.5	328.6	309.5	296.2	290.5	286.7
50°	447.6	438.1	411.5	384.8	358.1	330.5	308.6	289.5	277.2	271.4	268.6
52.5°	429.5	417.2	392.4	363.8	337.2	310.5	290.5	274.3	261.9	256.2	253.3
55°	426.7	412.4	384.8	353.4	321.9	296.2	275.3	259.1	246.7	241.9	239.1
57.5°	432.4	416.2	379.1	340.0	307.6	281.0	260.0	244.8	232.4	224.8	221.9
60°	399.1	388.6	352.4	322.9	292.4	264.8	243.8	227.6	213.3	208.6	204.8
62.5°	355.3	346.7	320.0	293.4	269.5	245.7	225.7	209.5	196.2	191.4	188.6
65°	333.4	325.7	301.9	276.2	253.3	231.4	210.5	195.2	182.9	178.1	175.2
67.5°	312.4	305.7	283.8	258.1	236.2	213.3	196.2	181.0	169.5	164.8	162.9
70°	288.6	282.9	261.0	237.2	215.3	196.2	181.0	166.7	156.2	152.4	149.5
72.5°	264.8	258.1	238.1	213.3	195.2	177.2	163.8	151.4	141.0	137.2	135.2
75°	241.0	234.3	212.4	192.4	175.2	160.0	147.6	136.2	127.6	123.8	121.9
77.5°	215.3	208.6	190.5	172.4	157.2	143.8	132.4	122.9	114.3	111.4	109.5
80°	191.4	184.8	169.5	152.4	139.1	127.6	118.1	108.6	101.9	99.1	98.1
82.5°	168.6	162.9	148.6	134.3	121.9	111.4	103.8	96.2	90.5	87.6	86.7
85°	145.7	141.0	128.6	116.2	105.7	97.1	88.6	82.9	78.1	76.2	74.3
87.5°	124.8	120.0	109.5	99.1	90.5	82.9	75.2	70.5	66.7	65.7	62.9
90°	105.7	101.9	93.3	84.8	77.1	70.5	64.8	61.0	57.1	56.2	55.2
92.5°	90.5	86.7	80.0	73.3	67.6	61.0	57.1	53.3	51.4	50.5	49.5
95°	76.2	74.3	68.6	62.9	59.1	54.3	50.5	47.6	45.7	45.7	44.8
97.5°	64.8	62.9	58.1	55.2	51.4	47.6	44.8	42.9	41.9	41.9	40.0
100°	54.3	53.3	49.5	46.7	44.8	41.9	39.0	38.1	37.1	37.1	36.2
102.5°	47.6	46.7	43.8	41.0	39.0	37.1	35.2	34.3	33.3	33.3	32.4
105°	43.8	42.9	40.0	38.1	36.2	34.3	32.4	31.4	30.5	30.5	29.5
107.5°	41.9	41.0	39.0	37.1	34.3	32.4	31.4	30.5	27.6	28.6	28.6
110°	41.9	41.0	39.0	37.1	34.3	32.4	31.4	29.5	25.7	27.6	26.7

REPORT NUMBER: P853291

CATALOG NUMBER: CRTK-N-20-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.8	42.9	41.0	38.1	35.2	33.3	31.4	29.5	24.8	26.7	26.7
115°	47.6	45.7	43.8	41.0	38.1	35.2	33.3	30.5	24.8	25.7	25.7
117.5°	52.4	50.5	48.6	44.8	41.0	38.1	35.2	31.4	25.7	25.7	25.7
120°	60.0	57.1	54.3	49.5	44.8	41.9	38.1	33.3	26.7	26.7	26.7
122.5°	68.6	65.7	61.9	55.2	49.5	45.7	41.0	36.2	27.6	27.6	27.6
125°	79.1	76.2	71.4	62.9	55.2	51.4	44.8	38.1	29.5	28.6	28.6
127.5°	92.4	87.6	81.0	70.5	61.9	57.1	48.6	40.0	30.5	28.6	29.5
130°	104.8	99.1	90.5	79.1	69.5	61.9	53.3	42.9	32.4	28.6	30.5
132.5°	115.2	109.5	100.0	87.6	76.2	67.6	57.1	44.8	33.3	29.5	30.5
135°	124.8	119.1	107.6	94.3	81.9	71.4	60.0	46.7	34.3	30.5	31.4
137.5°	131.4	125.7	112.4	99.1	85.7	73.3	61.0	47.6	34.3	30.5	30.5
140°	132.4	127.6	113.3	100.0	85.7	73.3	60.0	47.6	34.3	30.5	30.5
142.5°	129.5	123.8	110.5	97.1	83.8	70.5	58.1	44.8	32.4	28.6	28.6
145°	121.9	117.1	103.8	91.4	78.1	65.7	53.3	41.0	29.5	25.7	25.7
147.5°	108.6	104.8	92.4	82.9	69.5	58.1	46.7	36.2	25.7	21.9	21.9
150°	93.3	90.5	79.1	70.5	60.0	48.6	39.0	30.5	21.0	18.1	17.1
152.5°	76.2	73.3	63.8	57.1	47.6	39.0	31.4	23.8	17.1	14.3	13.3
155°	57.1	56.2	47.6	43.8	36.2	29.5	23.8	18.1	12.4	10.5	9.5
157.5°	41.9	40.0	34.3	31.4	26.7	21.9	17.1	13.3	8.6	6.7	5.7
160°	27.6	27.6	22.9	21.0	18.1	14.3	11.4	8.6	5.7	3.8	2.9
162.5°	16.2	16.2	13.3	12.4	11.4	8.6	6.7	5.7	3.8	1.9	1.9
165°	7.6	7.6	5.7	5.7	4.8	4.8	3.8	2.9	1.9	1.9	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)