

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: P691351

Luminaire Tested: **CRTK2-C015-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3928 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

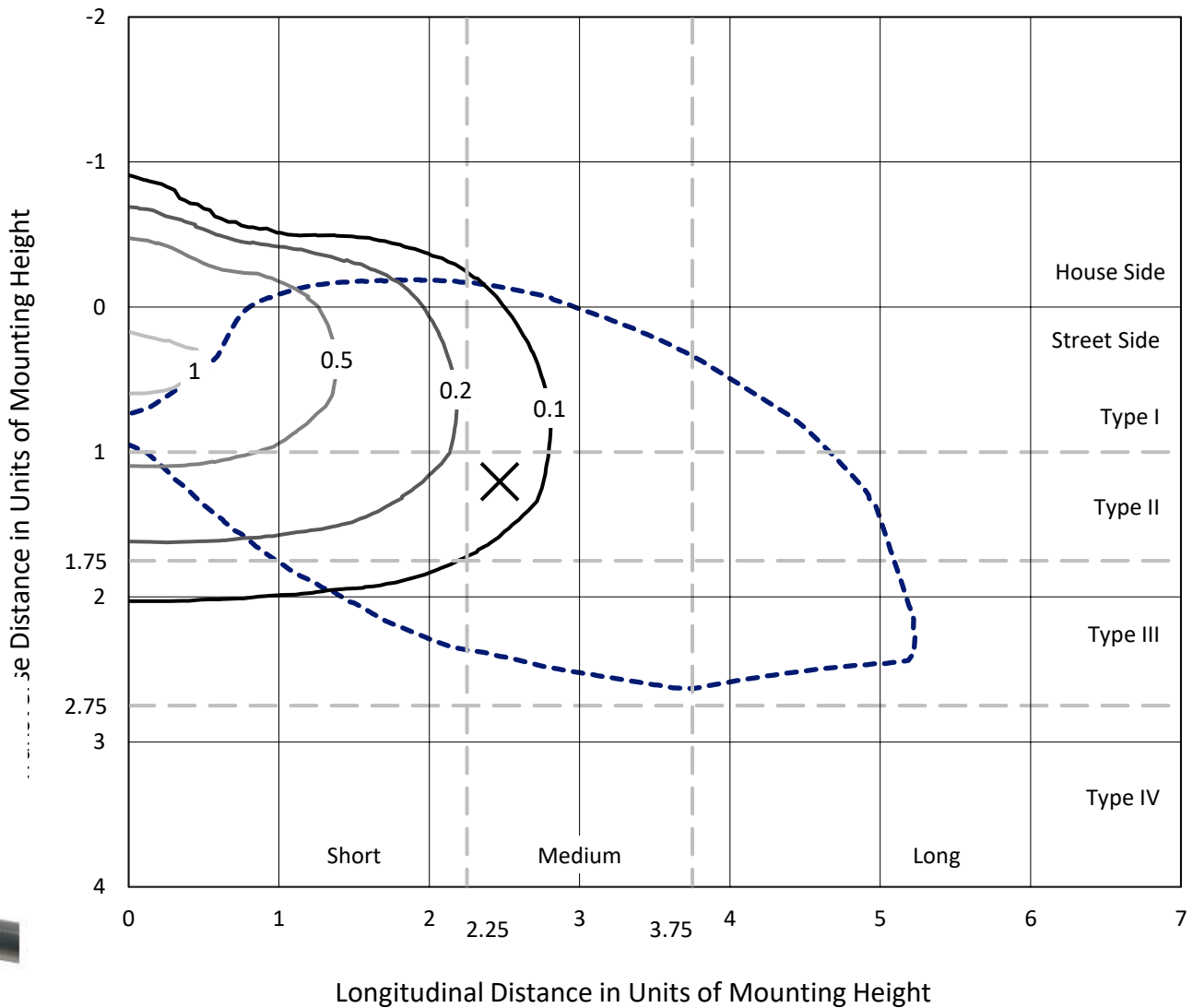


REPORT NUMBER: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

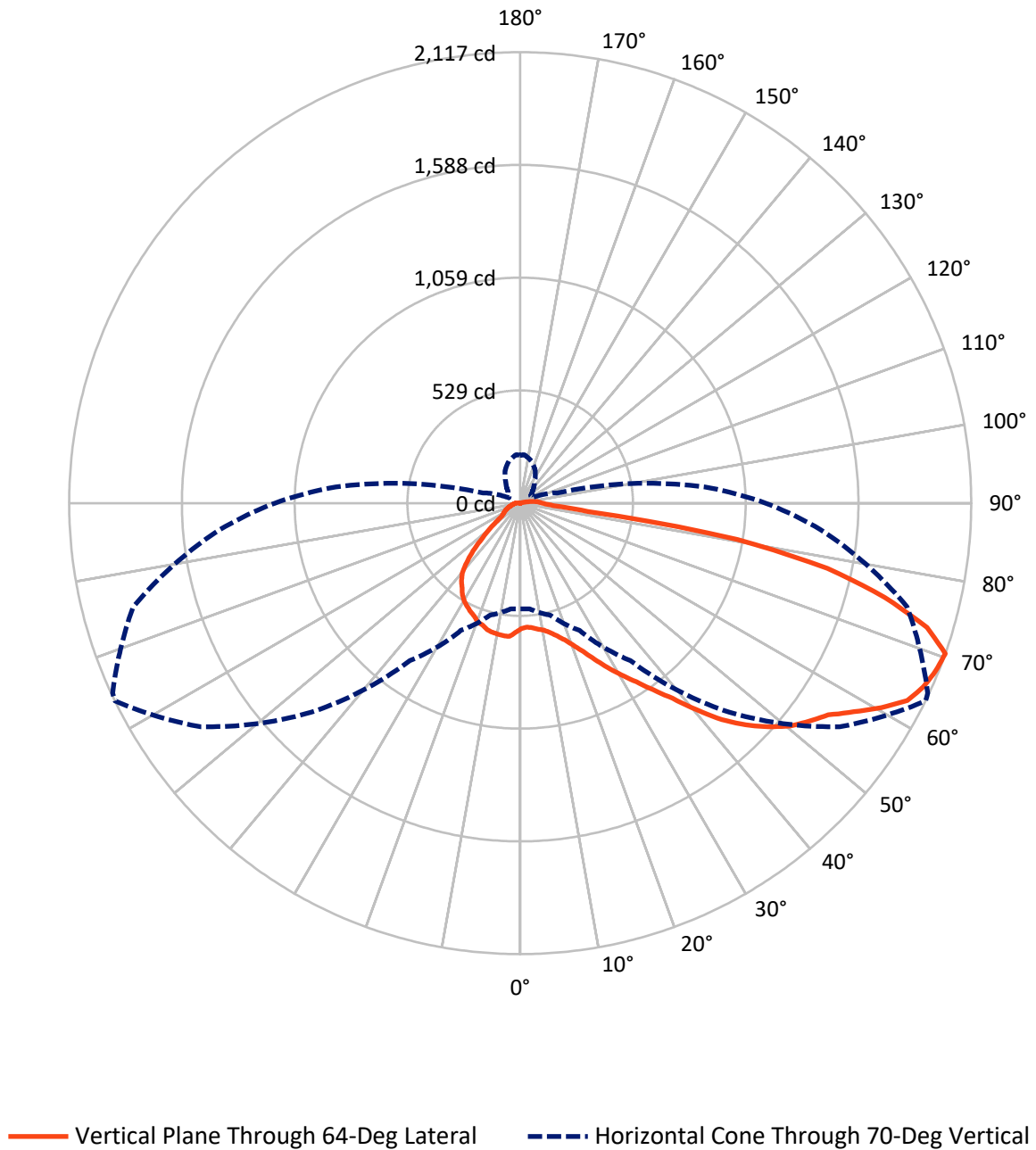


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

Luminous Intensity Polar Plot



REPORT NUMBER: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

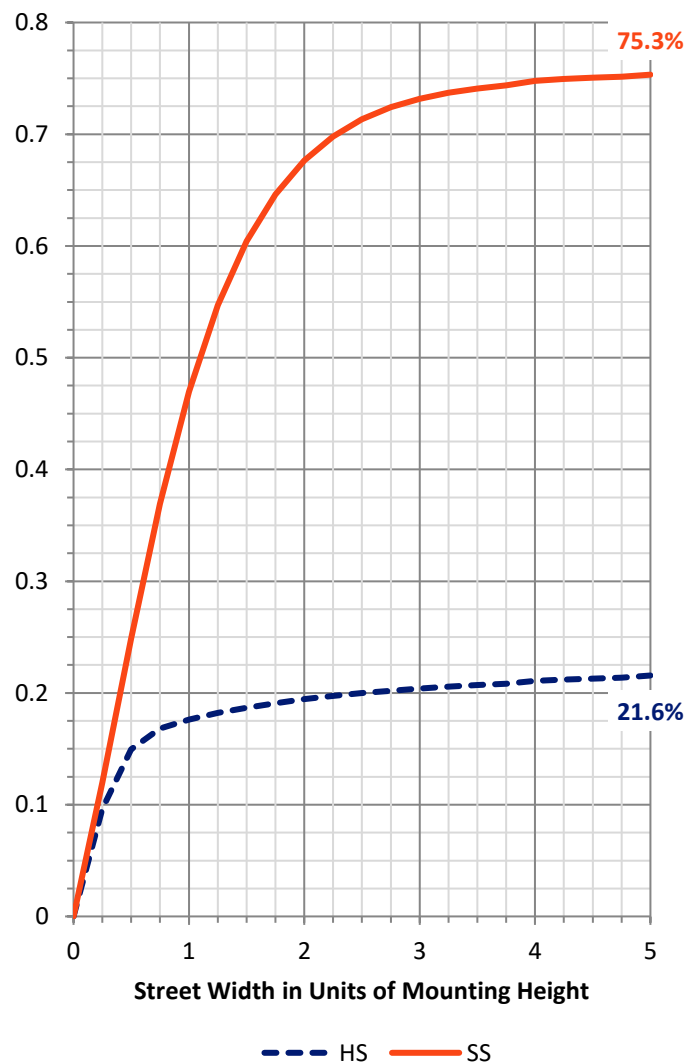
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	895.5	24.3	919.7
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2976.9	31.3	3008.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	3872.4	55.6	3928.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.5
10°-20°	182.9	4.7
20°-30°	317.3	8.1
30°-40°	460.4	11.7
40°-50°	617.9	15.7
50°-60°	747.0	19.0
60°-70°	804.1	20.5
70°-80°	552.3	14.1
80°-90°	131.8	3.4
90°-100°	47.7	1.2
100°-110°	6.0	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3872.4	98.6
0°-180°	3928.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691351

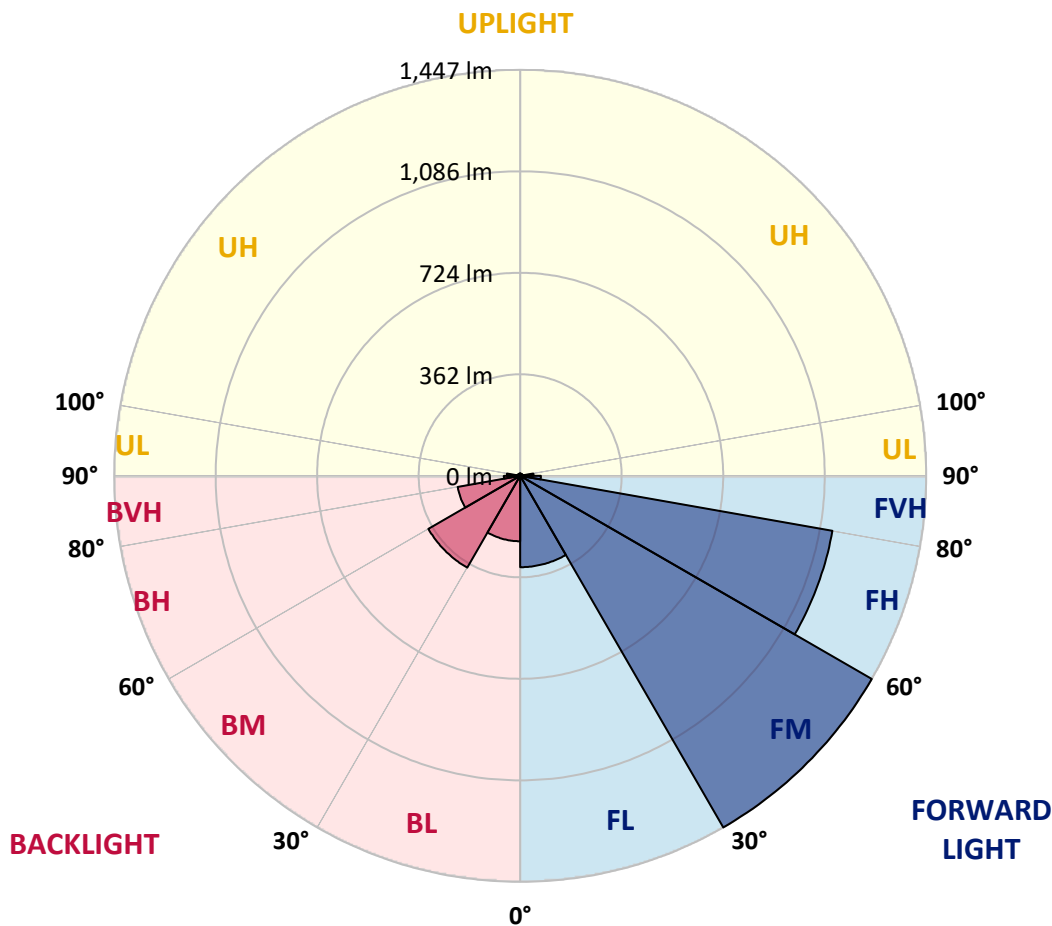
CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.7	8.3			
FM	(30°-60°)	1447.4	36.8			
FH	(60°-80°)	1130.2	28.8			G1/1800
FVH	(80°-90°)	73.7	1.9			G1/100
BL	(0°-30°)	233.2	5.9	B1/500		
BM	(30°-60°)	377.9	9.6	B1/1000		
BH	(60°-80°)	226.3	5.8	B1/500		G1/500
BVH	(80°-90°)	58.1	1.5			G1/100
UL	(90°-100°)	47.7	1.2		U2/50	
UH	(100°-180°)	7.9	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



REPORT NUMBER: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5
2.5°	584.4	584.4	583.1	583.1	584.4	585.6	584.4	583.1	584.4	585.6	589.5
5°	607.5	606.2	605.0	599.8	594.7	590.8	588.2	586.9	588.2	593.4	602.4
7.5°	623.0	621.7	621.7	620.4	615.2	605.0	598.5	597.2	597.2	598.5	610.1
10°	655.1	652.6	647.4	638.4	633.3	620.4	608.8	606.2	606.2	608.8	623.0
12.5°	689.9	684.8	686.0	675.7	660.3	646.1	629.4	623.0	620.4	623.0	630.7
15°	737.5	733.7	723.4	711.8	696.3	677.0	656.4	646.1	644.9	648.7	642.3
17.5°	772.3	767.1	768.4	751.7	738.8	713.1	693.8	674.5	674.5	679.6	662.9
20°	808.3	805.7	809.6	805.7	786.4	763.3	735.0	711.8	707.9	710.5	686.0
22.5°	854.7	850.8	850.8	852.1	836.6	813.5	780.0	756.8	755.5	745.2	711.8
25°	902.3	898.4	897.1	899.7	897.1	870.1	835.3	812.2	808.3	794.2	746.5
27.5°	947.3	947.3	948.6	951.2	955.0	933.2	899.7	874.0	874.0	858.5	792.9
30°	980.8	980.8	992.4	997.5	1001.4	996.2	960.2	935.7	938.3	917.7	845.6
32.5°	1011.7	1013.0	1025.8	1038.7	1042.6	1046.4	1015.5	1000.1	1000.1	980.8	902.3
35°	1042.6	1042.6	1060.6	1086.3	1099.2	1095.3	1081.2	1076.0	1077.3	1073.5	985.9
37.5°	1067.0	1069.6	1096.6	1128.8	1146.8	1153.3	1145.5	1162.3	1177.7	1189.3	1095.3
40°	1091.5	1091.5	1117.2	1152.0	1184.2	1202.2	1212.5	1275.5	1287.1	1291.0	1157.1
42.5°	1065.7	1072.2	1126.2	1177.7	1218.9	1249.8	1296.1	1390.1	1404.3	1360.5	1240.8
45°	1041.3	1049.0	1103.1	1189.3	1248.5	1310.3	1390.1	1485.3	1496.9	1431.3	1291.0
47.5°	1016.8	1025.8	1085.0	1179.0	1275.5	1377.2	1463.5	1569.0	1574.2	1489.2	1347.6
50°	991.1	1000.1	1063.2	1167.4	1292.3	1445.4	1536.8	1645.0	1645.0	1540.7	1381.1
52.5°	958.9	969.2	1033.6	1149.4	1305.1	1491.8	1603.8	1700.3	1690.0	1602.5	1418.4
55°	917.7	931.9	1000.1	1123.7	1310.3	1516.2	1646.2	1754.4	1751.8	1678.4	1466.0
57.5°	874.0	885.5	958.9	1090.2	1305.1	1533.0	1691.3	1848.3	1852.2	1744.1	1503.4
60°	825.0	832.8	903.6	1043.9	1271.7	1562.6	1793.0	1948.7	1953.9	1804.6	1517.5
62.5°	760.7	765.8	832.8	980.8	1226.6	1581.9	1866.3	2040.1	2037.5	1858.6	1520.1
65°	679.6	686.0	749.1	897.1	1159.7	1569.0	1884.4	2080.0	2082.6	1884.4	1516.2
67.5°	601.1	605.0	657.7	786.4	1051.6	1507.2	1866.3	2103.2	2114.8	1906.2	1478.9
70°	496.8	498.1	544.5	659.0	902.3	1388.8	1830.3	2117.3	2110.9	1880.5	1414.6
72.5°	382.3	383.6	418.3	504.6	701.5	1182.9	1702.9	1997.6	1986.0	1738.9	1275.5
75°	271.6	276.7	297.3	354.0	469.8	863.7	1457.0	1768.5	1776.2	1547.1	1063.2
77.5°	154.5	159.6	176.3	221.4	270.3	484.0	1100.5	1475.0	1480.2	1301.3	816.0
80°	66.9	68.2	74.7	105.5	144.2	231.7	563.8	1033.6	1108.2	884.3	465.9
82.5°	56.6	56.6	59.2	61.8	63.1	105.5	218.8	320.5	330.8	261.3	151.9
85°	48.9	48.9	51.5	54.1	55.3	72.1	132.6	160.9	167.3	149.3	106.8
87.5°	38.6	38.6	42.5	45.0	45.0	59.2	99.1	119.7	123.6	119.7	95.2
90°	34.8	34.8	33.5	33.5	34.8	42.5	77.2	100.4	104.3	127.4	109.4
92.5°	29.6	30.9	30.9	30.9	27.0	30.9	55.3	88.8	96.5	126.1	99.1
95°	29.6	28.3	28.3	27.0	25.7	27.0	41.2	77.2	86.2	109.4	83.7
97.5°	20.6	19.3	20.6	21.9	23.2	24.5	34.8	56.6	63.1	85.0	61.8
100°	12.9	12.9	12.9	12.9	15.4	16.7	28.3	34.8	38.6	54.1	41.2
102.5°	7.7	6.4	6.4	6.4	7.7	10.3	14.2	19.3	20.6	30.9	24.5
105°	2.6	2.6	2.6	2.6	3.9	5.1	5.1	7.7	7.7	10.3	10.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3



REPORT NUMBER: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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: P691351

CATALOG NUMBER: CRTK2-C015-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5	589.5
2.5°	592.1	594.7	599.8	606.2	614.0	620.4	625.5	626.8	629.4	629.4	632.0
5°	605.0	610.1	617.8	626.8	630.7	628.1	628.1	629.4	632.0	638.4	641.0
7.5°	619.1	623.0	623.0	626.8	634.6	632.0	630.7	629.4	629.4	626.8	630.7
10°	624.3	619.1	625.5	624.3	621.7	626.8	628.1	620.4	621.7	621.7	623.0
12.5°	625.5	625.5	620.4	620.4	620.4	608.8	606.2	612.7	606.2	608.8	607.5
15°	639.7	629.4	623.0	615.2	605.0	601.1	592.1	581.8	581.8	584.4	584.4
17.5°	650.0	639.7	620.4	599.8	595.9	577.9	571.5	568.9	567.6	568.9	571.5
20°	665.4	650.0	617.8	597.2	563.8	557.3	545.7	544.5	541.9	532.9	530.3
22.5°	686.0	661.6	616.5	575.3	548.3	526.4	505.8	493.0	491.7	485.2	481.4
25°	709.2	684.8	621.7	565.0	520.0	487.8	471.1	441.5	427.3	432.5	429.9
27.5°	756.8	711.8	630.7	550.9	496.8	446.6	408.0	390.0	372.0	372.0	374.6
30°	800.6	746.5	630.7	538.0	458.2	397.7	347.5	319.2	311.5	306.3	303.8
32.5°	866.2	790.3	657.7	520.0	422.2	334.7	278.0	244.6	245.8	251.0	249.7
35°	942.2	859.8	665.4	494.3	369.4	271.6	215.0	196.9	207.2	209.8	209.8
37.5°	1033.6	944.8	700.2	473.7	314.1	200.8	169.9	162.2	171.2	169.9	175.0
40°	1083.8	985.9	729.8	447.9	240.7	148.0	131.3	126.1	140.3	151.9	154.5
42.5°	1154.6	1034.9	758.1	399.0	163.5	108.1	100.4	117.1	137.7	150.6	151.9
45°	1193.2	1063.2	746.5	338.5	104.3	87.5	97.8	118.4	140.3	153.2	154.5
47.5°	1239.5	1100.5	725.9	263.9	83.7	86.2	99.1	121.0	144.2	155.7	155.7
50°	1285.8	1137.8	675.7	207.2	78.5	85.0	101.7	122.3	142.9	150.6	150.6
52.5°	1312.9	1170.0	616.5	150.6	77.2	85.0	103.0	123.6	141.6	145.4	145.4
55°	1337.3	1172.6	565.0	112.0	75.9	86.2	104.3	126.1	142.9	146.7	145.4
57.5°	1351.5	1155.8	529.0	96.5	74.7	86.2	105.5	128.7	153.2	162.2	159.6
60°	1343.8	1130.1	502.0	90.1	73.4	86.2	106.8	136.4	194.4	209.8	204.7
62.5°	1330.9	1112.1	445.3	82.4	70.8	86.2	108.1	154.5	216.2	224.0	217.5
65°	1314.2	1059.3	381.0	74.7	68.2	85.0	109.4	167.3	205.9	205.9	204.7
67.5°	1244.7	988.5	284.5	66.9	64.4	85.0	112.0	164.8	198.2	215.0	215.0
70°	1152.0	870.1	187.9	59.2	60.5	82.4	117.1	167.3	204.7	227.8	225.2
72.5°	975.6	722.1	104.3	51.5	55.3	81.1	117.1	177.6	221.4	247.1	243.3
75°	796.7	534.2	74.7	46.3	50.2	78.5	118.4	184.1	236.8	263.9	257.4
77.5°	561.2	306.3	59.2	39.9	45.0	74.7	117.1	181.5	244.6	269.0	261.3
80°	236.8	110.7	48.9	36.0	38.6	66.9	108.1	173.8	244.6	284.5	280.6
82.5°	106.8	78.5	42.5	32.2	36.0	55.3	100.4	167.3	236.8	285.7	308.9
85°	83.7	64.4	36.0	28.3	32.2	52.8	90.1	159.6	226.5	263.9	289.6
87.5°	79.8	64.4	32.2	25.7	29.6	45.0	69.5	148.0	203.4	243.3	263.9
90°	86.2	66.9	25.7	21.9	27.0	39.9	56.6	124.9	176.3	213.7	213.7
92.5°	79.8	61.8	19.3	16.7	28.3	32.2	54.1	77.2	127.4	106.8	132.6
95°	66.9	51.5	12.9	11.6	27.0	27.0	29.6	36.0	88.8	2.6	0.0
97.5°	48.9	37.3	7.7	6.4	20.6	21.9	14.2	16.7	36.0	0.0	0.0
100°	36.0	24.5	5.1	5.1	12.9	18.0	9.0	9.0	0.0	0.0	0.0
102.5°	19.3	12.9	3.9	2.6	6.4	10.3	3.9	2.6	0.0	0.0	0.0
105°	10.3	5.1	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691351

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
122.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
132.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
135°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.3	1.3	1.3	1.3	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)