

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: P691196

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4283 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 32.7
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



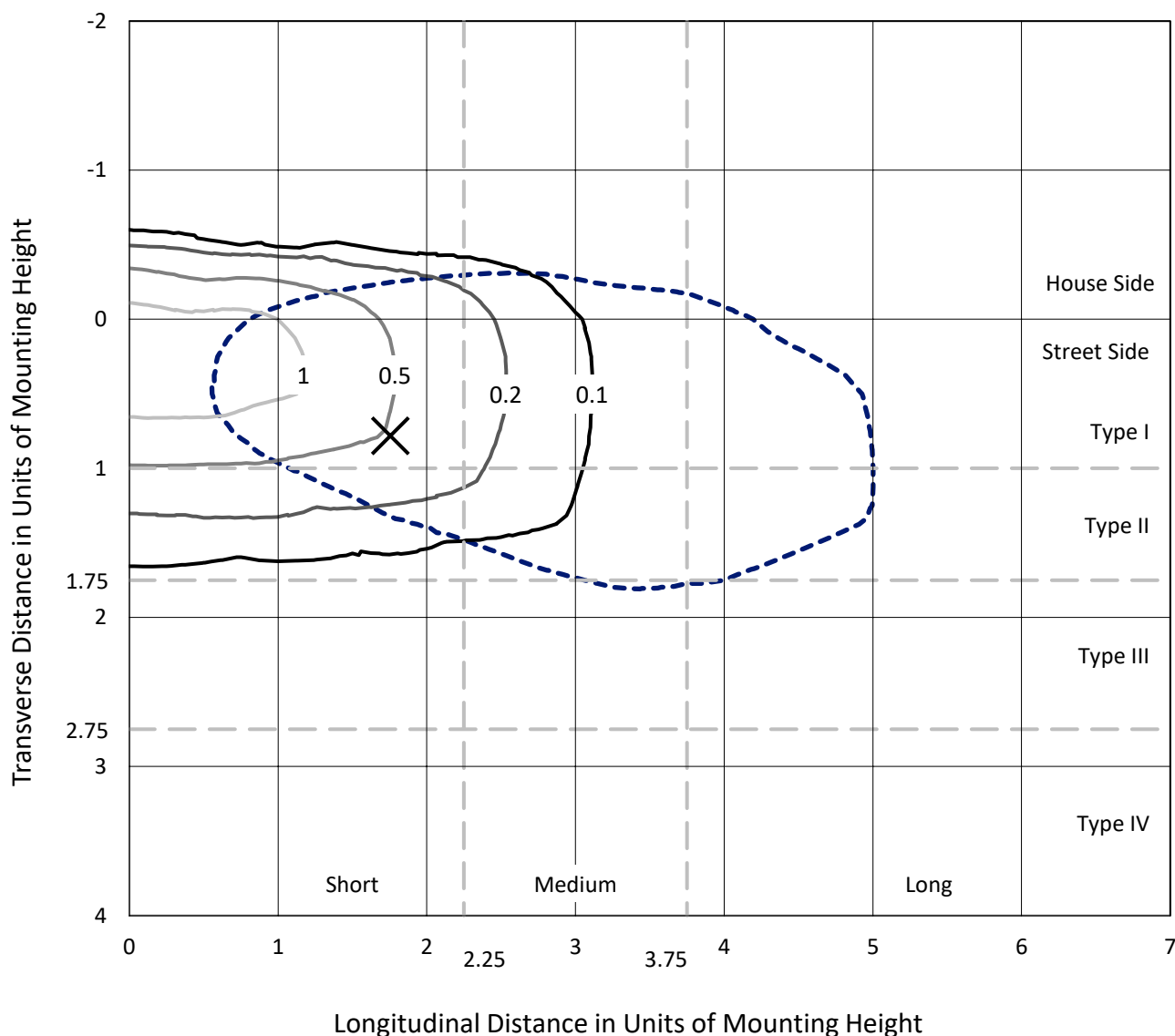
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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

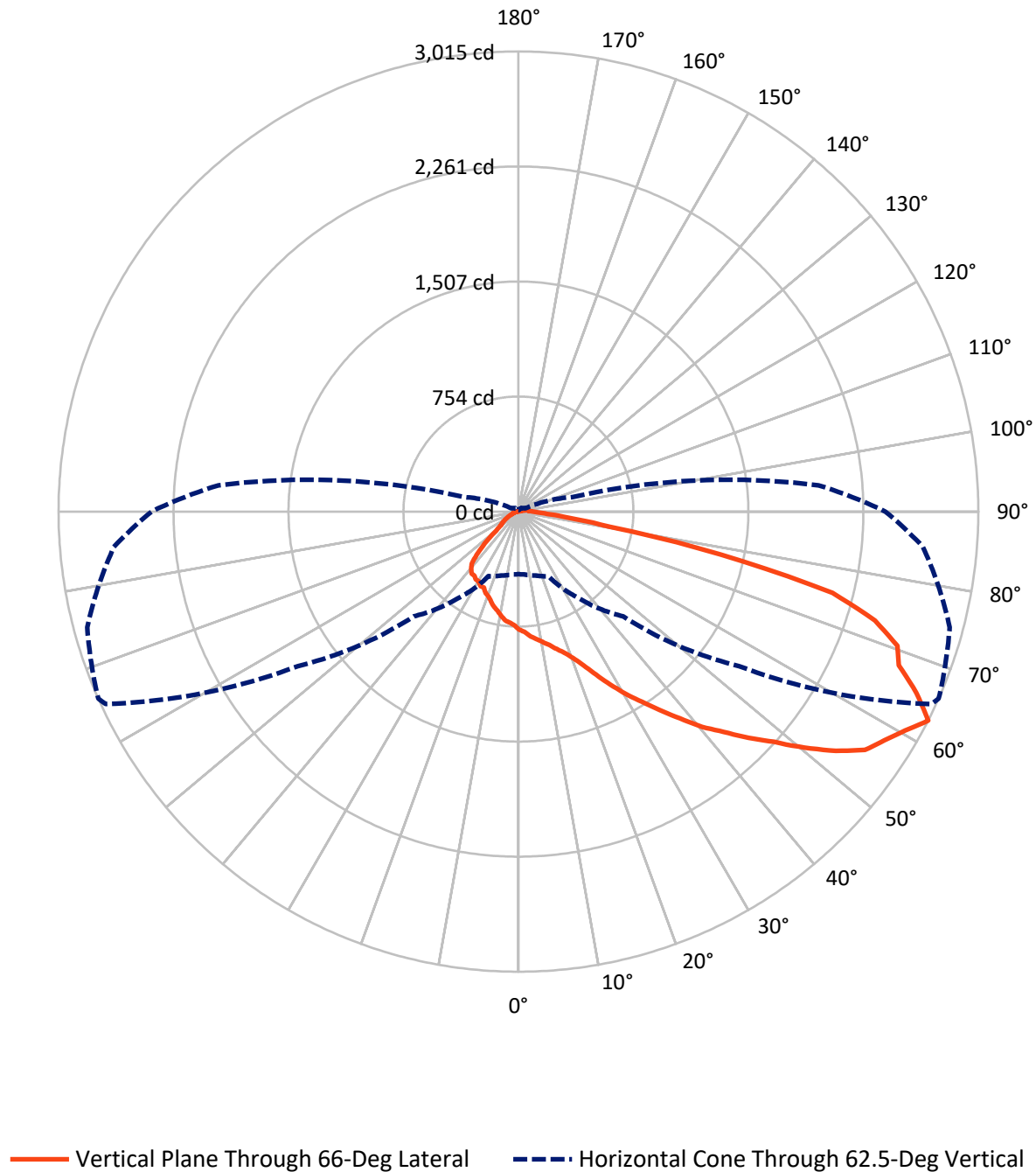
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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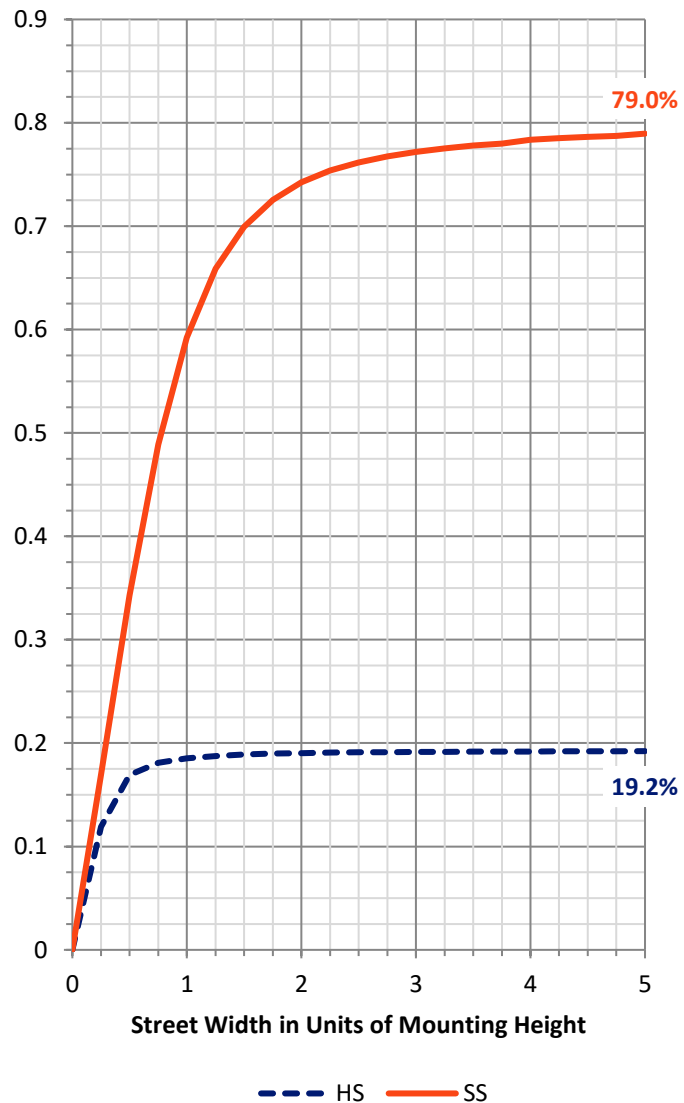
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	835.0	11.8	846.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3403.5	32.6	3436.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	4238.6	44.5	4283.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.7
10°-20°	215.5	5.0
20°-30°	362.6	8.5
30°-40°	539.3	12.6
40°-50°	713.5	16.7
50°-60°	830.7	19.4
60°-70°	829.3	19.4
70°-80°	556.5	13.0
80°-90°	117.6	2.7
90°-100°	35.8	0.8
100°-110°	6.2	0.1
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4238.6	99.0
0°-180°	4283.0	100.0

Coefficient of Utilization



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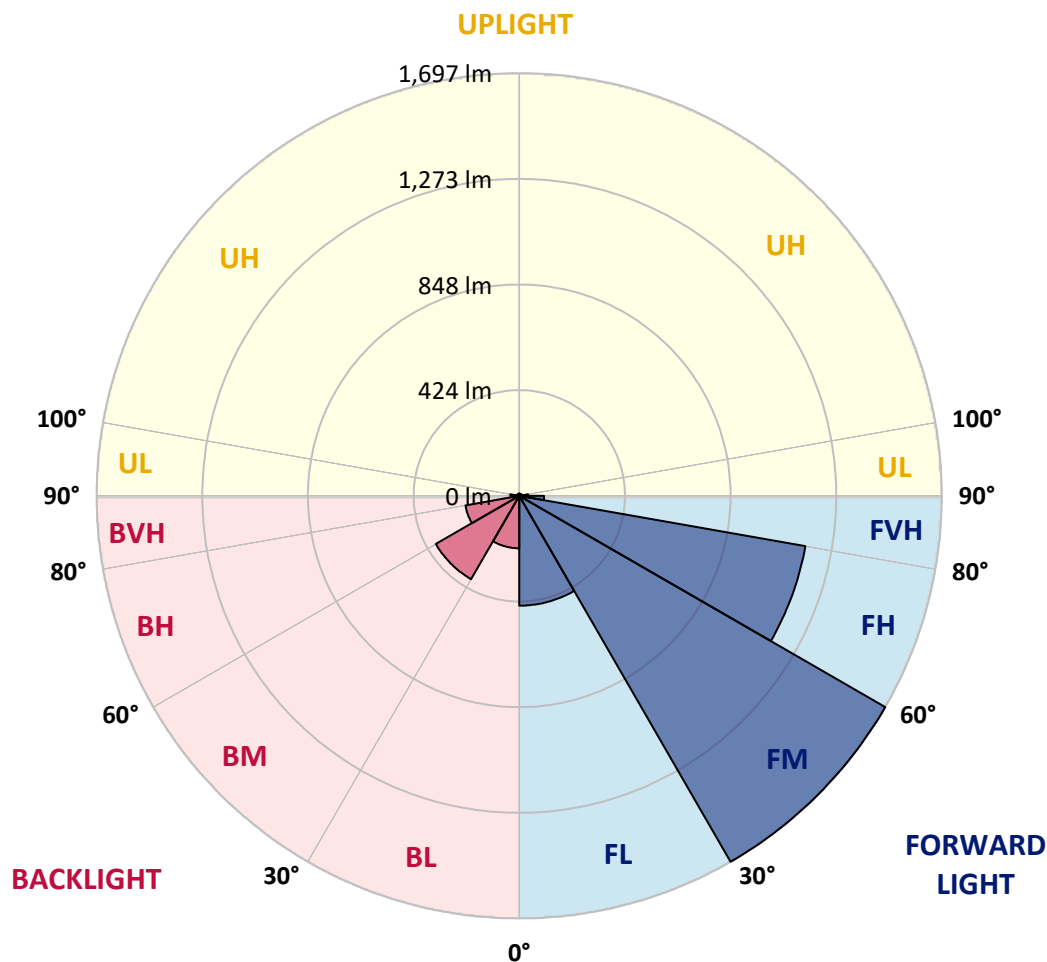
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.9	10.3			
FM	(30°-60°)	1696.8	39.6			
FH	(60°-80°)	1166.3	27.2			G1/1800
FVH	(80°-90°)	99.5	2.3			G1/100
BL	(0°-30°)	210.7	4.9	B1/500		
BM	(30°-60°)	386.7	9.0	B1/1000		
BH	(60°-80°)	219.6	5.1	B1/500		G1/500
BVH	(80°-90°)	18.1	0.4			G1/100
UL	(90°-100°)	35.8	0.8		U2/50	
UH	(100°-180°)	8.6	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8
2.5°	826.0	821.3	822.9	815.0	807.0	802.3	797.5	789.6	789.6	783.3	775.4
5°	884.6	886.2	884.6	875.1	865.6	851.3	833.9	819.7	819.7	805.5	786.5
7.5°	924.1	922.6	922.6	911.5	905.1	897.2	876.7	845.0	843.4	824.4	800.7
10°	940.0	941.5	947.9	932.0	925.7	914.6	903.6	871.9	868.8	837.1	799.1
12.5°	974.8	976.4	973.2	960.5	952.6	944.7	927.3	900.4	897.2	862.4	810.2
15°	1015.9	1015.9	1011.2	998.5	993.8	982.7	962.1	936.8	933.6	894.1	830.8
17.5°	1038.1	1041.2	1041.2	1023.8	1025.4	1020.7	1009.6	976.4	971.6	935.2	859.3
20°	1049.1	1050.7	1053.9	1053.9	1052.3	1050.7	1057.1	1027.0	1023.8	981.1	892.5
22.5°	1080.8	1084.0	1091.9	1087.1	1091.9	1098.2	1099.8	1098.2	1093.5	1047.6	947.9
25°	1095.0	1104.5	1115.6	1129.9	1144.1	1153.6	1175.7	1186.8	1183.7	1139.3	1034.9
27.5°	1079.2	1088.7	1128.3	1155.2	1199.5	1226.4	1267.5	1284.9	1283.3	1247.0	1125.1
30°	1106.1	1109.3	1126.7	1164.7	1221.6	1296.0	1353.0	1379.9	1386.2	1353.0	1220.1
32.5°	1066.6	1077.6	1126.7	1197.9	1283.3	1362.5	1417.9	1478.0	1485.9	1471.7	1345.1
35°	1063.4	1071.3	1098.2	1175.7	1284.9	1432.1	1508.1	1590.3	1596.7	1601.4	1471.7
37.5°	1019.1	1030.2	1084.0	1182.1	1332.4	1478.0	1584.0	1702.7	1718.5	1737.5	1577.7
40°	970.0	977.9	1023.8	1128.3	1321.3	1531.8	1656.8	1838.8	1854.6	1878.3	1718.5
42.5°	897.2	914.6	992.2	1104.5	1315.0	1547.6	1729.6	1959.0	1973.3	2006.5	1837.2
45°	832.4	840.3	900.4	1023.8	1264.4	1576.1	1791.3	2099.9	2114.1	2129.9	1930.6
47.5°	781.7	791.2	848.2	959.0	1213.7	1569.8	1848.3	2239.1	2255.0	2291.4	2046.1
50°	620.3	644.0	788.0	895.7	1129.9	1557.1	1897.3	2394.2	2430.6	2444.9	2166.3
52.5°	533.3	541.2	615.6	838.7	1047.6	1511.2	1940.1	2563.5	2604.7	2577.8	2327.8
55°	496.9	501.6	538.0	726.3	973.2	1417.9	1974.9	2726.5	2756.6	2671.1	2446.4
57.5°	470.0	477.9	493.7	588.7	886.2	1261.2	1976.5	2816.7	2827.8	2748.7	2503.4
60°	435.2	438.3	471.6	512.7	788.0	1098.2	1922.6	2862.6	2911.7	2838.9	2618.9
62.5°	409.8	413.0	433.6	466.8	694.7	970.0	1764.4	2984.5	3014.5	2925.9	2661.6
65°	378.2	382.9	400.4	433.6	629.8	892.5	1685.3	2952.8	2865.8	2905.3	2710.7
67.5°	345.0	348.1	367.1	392.4	536.4	818.1	1489.1	2751.8	2688.5	2802.5	2579.4
70°	310.2	313.3	330.7	348.1	441.5	726.3	1240.6	2580.9	2634.7	2641.1	2455.9
72.5°	273.8	276.9	292.7	307.0	365.5	610.8	985.9	2410.0	2443.3	2346.7	2169.5
75°	237.4	238.9	251.6	265.8	303.8	492.1	705.8	1998.6	2125.2	2242.3	1872.0
77.5°	191.5	194.6	207.3	212.0	243.7	397.2	457.3	1188.4	1354.6	1962.2	1680.5
80°	140.8	142.4	155.1	153.5	182.0	289.6	288.0	564.9	607.7	1212.1	1234.3
82.5°	93.4	96.5	107.6	104.4	123.4	175.6	180.4	303.8	324.4	470.0	541.2
85°	74.4	76.0	82.3	76.0	82.3	88.6	99.7	183.6	186.7	278.5	276.9
87.5°	60.1	61.7	68.0	63.3	64.9	68.0	79.1	117.1	120.3	175.6	182.0
90°	47.5	49.1	57.0	52.2	52.2	57.0	66.5	87.0	91.8	137.7	148.7
92.5°	31.6	31.6	36.4	34.8	34.8	41.1	58.5	64.9	69.6	128.2	134.5
95°	23.7	23.7	25.3	25.3	25.3	30.1	44.3	61.7	68.0	125.0	121.8
97.5°	15.8	15.8	17.4	17.4	17.4	19.0	25.3	50.6	57.0	101.3	99.7
100°	11.1	11.1	11.1	9.5	9.5	9.5	14.2	33.2	38.0	64.9	64.9
102.5°	7.9	6.3	6.3	6.3	4.7	4.7	6.3	15.8	17.4	34.8	33.2
105°	1.6	1.6	3.2	3.2	3.2	1.6	1.6	6.3	6.3	14.2	14.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
110°	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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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8	773.8
2.5°	770.6	765.9	754.8	745.3	737.4	729.5	716.8	712.1	708.9	713.7	713.7
5°	775.4	762.7	743.7	727.9	713.7	696.3	677.3	666.2	656.7	661.5	661.5
7.5°	783.3	765.9	742.2	715.3	678.9	648.8	625.1	610.8	602.9	607.7	610.8
10°	778.6	759.6	727.9	686.8	644.0	612.4	582.3	560.2	552.3	549.1	552.3
12.5°	783.3	761.1	707.3	658.3	617.1	566.5	530.1	506.4	496.9	496.9	496.9
15°	799.1	765.9	694.7	637.7	574.4	525.4	487.4	462.1	458.9	447.8	447.8
17.5°	821.3	770.6	689.9	606.1	536.4	485.8	441.5	416.2	408.3	409.8	409.8
20°	843.4	780.1	680.4	579.2	501.6	441.5	395.6	371.9	352.9	346.6	349.7
22.5°	881.4	807.0	672.5	564.9	462.1	405.1	354.5	314.9	283.3	273.8	269.0
25°	936.8	849.8	683.6	531.7	438.3	364.0	303.8	248.4	210.5	201.0	199.4
27.5°	1038.1	916.2	696.3	531.7	400.4	327.6	242.1	183.6	153.5	144.0	147.2
30°	1133.0	1006.4	732.7	503.2	384.5	262.7	180.4	137.7	110.8	99.7	102.9
32.5°	1212.1	1091.9	783.3	496.9	338.6	194.6	131.3	96.5	77.5	71.2	72.8
35°	1326.1	1164.7	822.9	474.7	278.5	142.4	91.8	68.0	60.1	57.0	57.0
37.5°	1435.3	1253.3	862.4	470.0	205.7	104.4	61.7	55.4	53.8	49.1	49.1
40°	1539.7	1343.5	879.8	443.1	145.6	68.0	52.2	50.6	49.1	44.3	44.3
42.5°	1667.9	1430.5	895.7	408.3	101.3	50.6	45.9	47.5	45.9	41.1	39.6
45°	1766.0	1489.1	900.4	319.7	64.9	47.5	42.7	44.3	42.7	38.0	38.0
47.5°	1848.3	1568.2	881.4	218.4	53.8	44.3	39.6	41.1	39.6	36.4	34.8
50°	1932.1	1641.0	864.0	117.1	50.6	42.7	38.0	34.8	36.4	33.2	31.6
52.5°	2046.1	1694.8	818.1	71.2	47.5	39.6	34.8	31.6	31.6	28.5	30.1
55°	2202.7	1827.7	732.7	66.5	45.9	38.0	33.2	28.5	28.5	25.3	25.3
57.5°	2272.4	1879.9	595.0	60.1	44.3	38.0	30.1	25.3	22.2	20.6	19.0
60°	2357.8	1957.5	468.4	55.4	41.1	36.4	26.9	22.2	17.4	15.8	15.8
62.5°	2405.3	1973.3	365.5	50.6	39.6	31.6	23.7	17.4	14.2	11.1	11.1
65°	2429.0	1962.2	243.7	45.9	36.4	30.1	20.6	14.2	9.5	7.9	7.9
67.5°	2338.8	1903.7	140.8	42.7	34.8	26.9	17.4	11.1	7.9	6.3	4.7
70°	2185.3	1732.8	88.6	38.0	33.2	23.7	15.8	9.5	6.3	4.7	3.2
72.5°	2004.9	1414.7	64.9	34.8	31.6	20.6	12.7	7.9	4.7	3.2	3.2
75°	1830.9	1232.7	55.4	30.1	26.9	17.4	11.1	6.3	4.7	3.2	1.6
77.5°	1310.2	840.3	49.1	26.9	23.7	14.2	7.9	6.3	3.2	1.6	1.6
80°	930.5	493.7	44.3	22.2	19.0	11.1	7.9	4.7	3.2	1.6	1.6
82.5°	446.2	256.4	42.7	19.0	14.2	9.5	6.3	4.7	3.2	1.6	1.6
85°	202.6	109.2	31.6	17.4	12.7	9.5	6.3	4.7	3.2	3.2	1.6
87.5°	123.4	57.0	25.3	14.2	9.5	7.9	4.7	3.2	3.2	3.2	3.2
90°	115.5	74.4	19.0	11.1	7.9	6.3	4.7	1.6	0.0	0.0	0.0
92.5°	110.8	85.5	14.2	7.9	4.7	4.7	1.6	0.0	0.0	0.0	0.0
95°	104.4	80.7	15.8	4.7	7.9	3.2	1.6	0.0	0.0	0.0	0.0
97.5°	82.3	63.3	17.4	4.7	39.6	3.2	1.6	0.0	0.0	0.0	0.0
100°	52.2	39.6	12.7	4.7	47.5	3.2	0.0	0.0	0.0	0.0	0.0
102.5°	30.1	22.2	6.3	4.7	14.2	1.6	0.0	0.0	0.0	0.0	0.0
105°	12.7	11.1	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691196

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	3.2	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.6	1.6	1.6	1.6	1.6	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)