

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: P690893

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7437 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 60
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



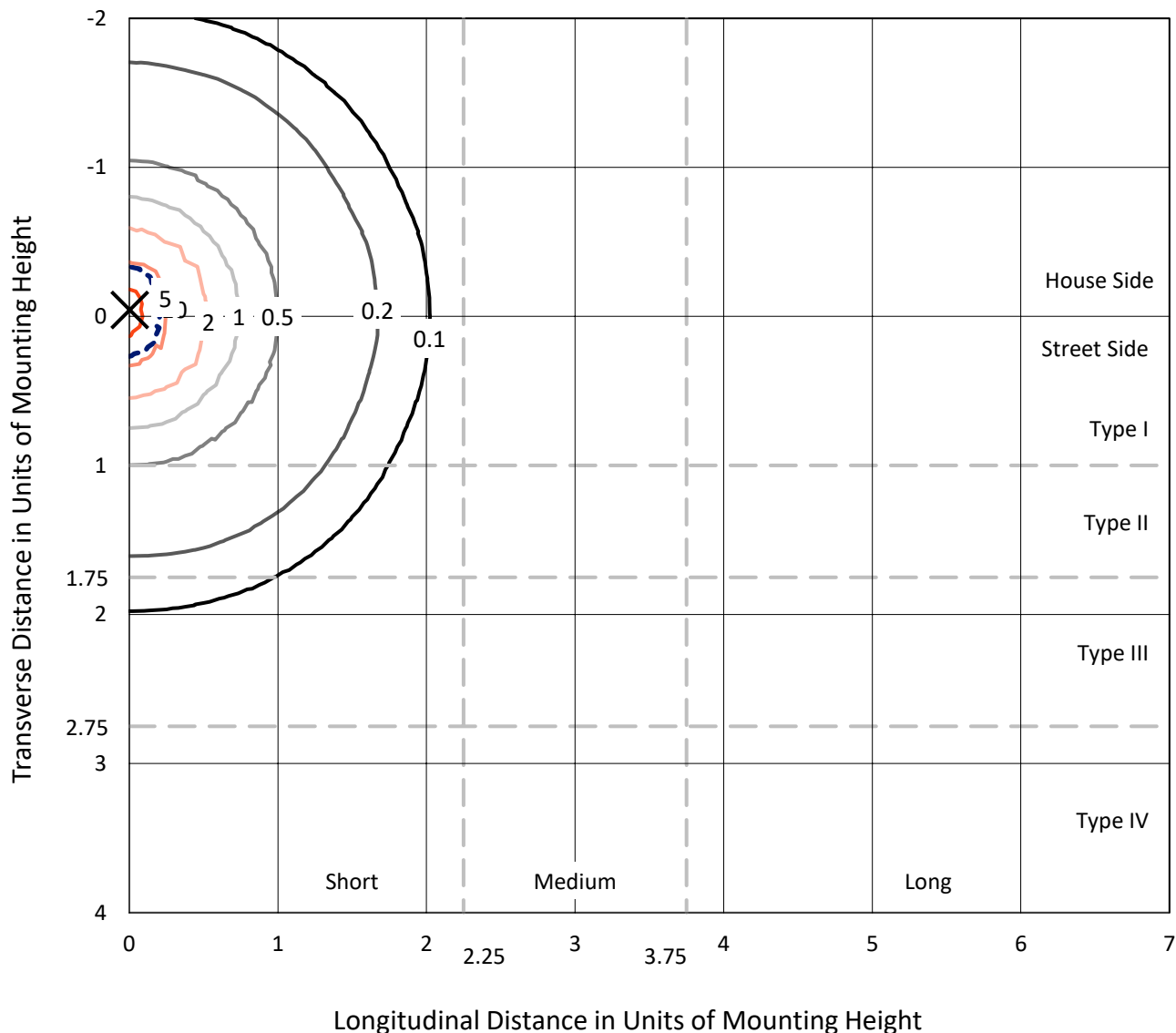
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

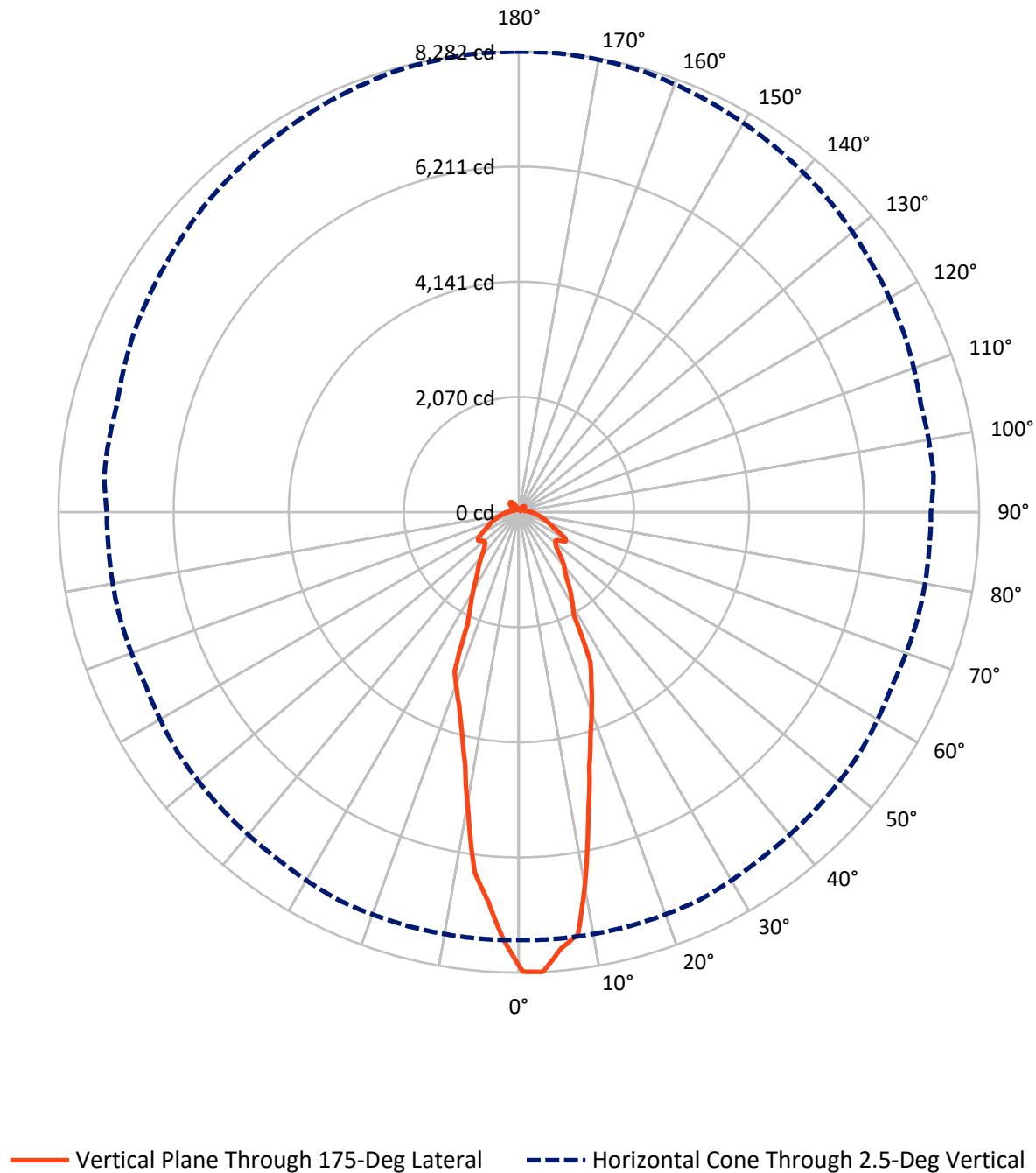


Based on 25 foot mounting height. Maximum calculated value = 13.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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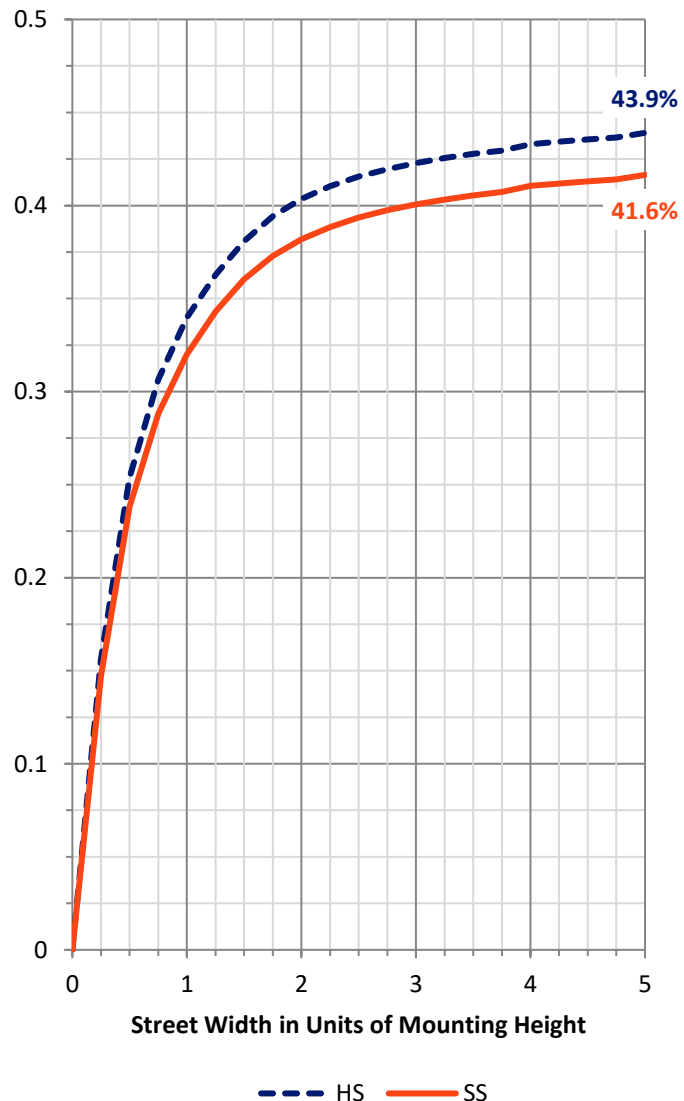
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3365.9	444.6	3810.5
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3170.1	456.3	3626.5
	% Fixture	42.6	6.1	48.8
Total	Lumens	6536.0	901.0	7437.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.3	8.3
10°-20°	1079.9	14.5
20°-30°	1070.9	14.4
30°-40°	825.5	11.1
40°-50°	707.7	9.5
50°-60°	791.5	10.6
60°-70°	678.1	9.1
70°-80°	466.7	6.3
80°-90°	300.4	4.0
90°-100°	180.0	2.4
100°-110°	107.1	1.4
110°-120°	99.1	1.3
120°-130°	141.5	1.9
130°-140°	182.8	2.5
140°-150°	135.3	1.8
150°-160°	49.5	0.7
160°-170°	5.8	0.1
170°-180°	0.0	0.0
0°-90°	6536.0	87.9
0°-180°	7437.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690893

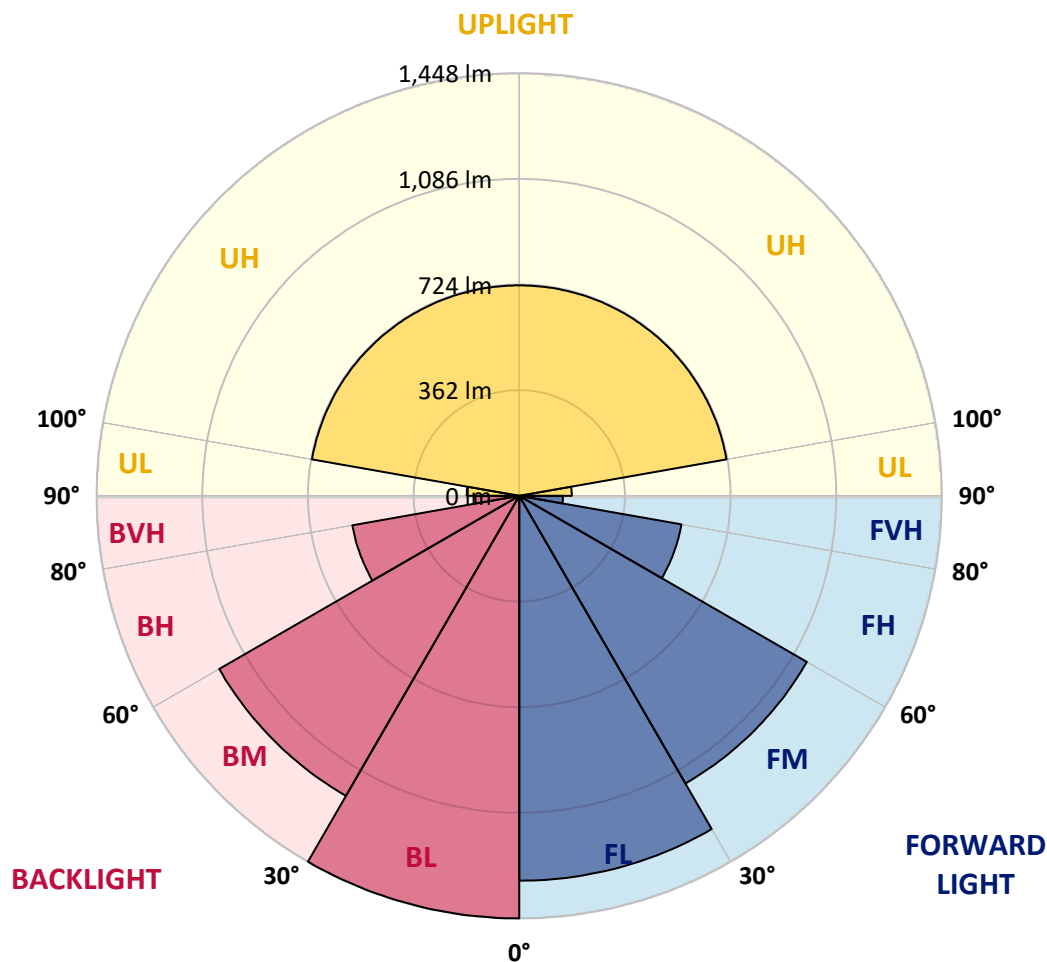
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1318.4	17.7			
FM	(30°-60°)	1137.9	15.3			
FH	(60°-80°)	564.1	7.6			G0/660
FVH	(80°-90°)	149.7	2.0			G2/225
BL	(0°-30°)	1447.7	19.5	B3/2500		
BM	(30°-60°)	1186.9	16.0	B2/2500		
BH	(60°-80°)	580.7	7.8	B2/1000		G0/660
BVH	(80°-90°)	150.7	2.0			G2/225
UL	(90°-100°)	180.0	2.4		U3/500	
UH	(100°-180°)	721.0	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7
2.5°	7694.0	7705.2	7708.0	7694.0	7601.7	7554.1	7503.7	7403.0	7425.4	7411.4	7414.2
5°	6977.7	7022.5	6952.6	6933.0	6793.1	6689.6	6588.8	6479.7	6454.6	6409.8	6426.6
7.5°	6502.1	6527.3	6412.6	6295.1	6071.3	5911.8	5743.9	5576.0	5450.1	5402.6	5422.2
10°	5413.8	5497.7	5383.0	5262.7	5050.1	4859.8	4683.5	4518.5	4403.8	4367.4	4373.0
12.5°	4602.4	4650.0	4552.0	4470.9	4233.1	4051.2	3889.0	3735.1	3642.8	3603.6	3603.6
15°	4065.2	4084.8	4009.3	3852.6	3673.5	3508.5	3371.4	3259.5	3183.9	3169.9	3175.5
17.5°	3659.5	3659.5	3584.0	3460.9	3323.8	3178.3	3083.2	2999.3	2965.7	2976.9	2979.7
20°	3354.6	3357.4	3290.2	3169.9	3052.4	2920.9	2842.6	2783.8	2764.2	2783.8	2786.6
22.5°	3066.4	3080.4	3007.6	2918.1	2789.4	2685.9	2621.6	2557.2	2546.0	2554.4	2554.4
25°	2218.7	2218.7	2193.5	2123.5	2151.5	2162.7	2238.3	2400.5	2366.9	2397.7	2394.9
27.5°	1913.7	1924.9	1874.5	1813.0	1748.6	1673.1	1659.1	1645.1	1631.1	1695.5	1717.9
30°	1689.9	1695.5	1653.5	1611.5	1558.4	1516.4	1505.2	1505.2	1491.2	1541.6	1538.8
32.5°	1477.2	1468.9	1457.7	1418.5	1384.9	1348.5	1356.9	1351.3	1351.3	1396.1	1398.9
35°	1309.4	1306.6	1298.2	1270.2	1236.6	1208.7	1217.0	1222.6	1219.8	1247.8	1247.8
37.5°	1186.3	1189.1	1183.5	1172.3	1138.7	1116.3	1121.9	1116.3	1124.7	1144.3	1144.3
40°	1066.0	1066.0	1068.8	1066.0	1043.6	1035.2	1052.0	1043.6	1063.2	1077.2	1071.6
42.5°	951.3	954.1	959.6	954.1	940.1	931.7	940.1	942.9	970.8	990.4	987.6
45°	878.5	878.5	881.3	878.5	867.3	858.9	858.9	850.5	870.1	881.3	878.5
47.5°	831.0	831.0	836.5	833.7	828.2	819.8	814.2	803.0	811.4	819.8	811.4
50°	814.2	814.2	825.4	825.4	822.6	814.2	805.8	791.8	794.6	800.2	789.0
52.5°	839.3	839.3	858.9	867.3	867.3	853.3	842.1	822.6	822.6	828.2	811.4
55°	892.5	892.5	923.3	940.1	942.9	942.9	928.9	909.3	912.1	923.3	906.5
57.5°	872.9	875.7	900.9	923.3	937.3	945.7	945.7	934.5	942.9	970.8	962.4
60°	780.6	786.2	803.0	822.6	847.7	856.1	856.1	853.3	867.3	900.9	900.9
62.5°	693.9	696.7	705.0	721.8	735.8	741.4	741.4	730.2	747.0	763.8	758.2
65°	626.7	623.9	640.7	654.7	663.1	671.5	663.1	651.9	660.3	671.5	668.7
67.5°	570.8	570.8	584.7	595.9	601.5	609.9	604.3	598.7	609.9	615.5	609.9
70°	517.6	520.4	531.6	540.0	545.6	554.0	545.6	542.8	554.0	559.6	556.8
72.5°	464.4	467.2	475.6	486.8	492.4	495.2	492.4	489.6	498.0	503.6	503.6
75°	416.9	419.7	425.3	436.5	436.5	442.1	439.3	436.5	444.9	450.4	450.4
77.5°	372.1	377.7	380.5	388.9	391.7	394.5	391.7	391.7	397.3	402.9	405.7
80°	332.9	335.7	338.5	346.9	346.9	349.7	346.9	346.9	352.5	360.9	360.9
82.5°	296.6	299.4	302.2	307.8	305.0	307.8	307.8	307.8	313.4	321.7	321.7
85°	260.2	265.8	265.8	271.4	271.4	271.4	271.4	274.2	277.0	285.4	285.4
87.5°	229.4	232.2	235.0	237.8	237.8	240.6	240.6	243.4	246.2	251.8	254.6
90°	198.6	201.4	204.2	204.2	204.2	207.0	207.0	209.8	212.6	218.2	221.0
92.5°	176.3	179.1	179.1	181.9	181.9	181.9	184.7	187.5	190.3	195.8	195.8
95°	156.7	159.5	159.5	159.5	159.5	162.3	162.3	165.1	167.9	173.5	173.5
97.5°	139.9	139.9	139.9	139.9	139.9	142.7	142.7	145.5	148.3	151.1	151.1
100°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	125.9	125.9	131.5	131.5
102.5°	109.1	109.1	106.3	106.3	106.3	103.5	103.5	106.3	106.3	109.1	109.1
105°	97.9	97.9	97.9	97.9	95.1	95.1	95.1	95.1	95.1	97.9	97.9
107.5°	95.1	95.1	92.3	92.3	92.3	89.5	89.5	89.5	89.5	92.3	92.3
110°	92.3	92.3	92.3	92.3	89.5	89.5	86.7	86.7	86.7	89.5	89.5



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CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	95.1	95.1	95.1	92.3	92.3	89.5	89.5	89.5	89.5	89.5	92.3
115°	100.7	97.9	97.9	97.9	97.9	95.1	92.3	92.3	95.1	95.1	95.1
117.5°	109.1	106.3	106.3	109.1	106.3	103.5	100.7	100.7	103.5	103.5	106.3
120°	120.3	117.5	120.3	120.3	120.3	117.5	114.7	111.9	114.7	117.5	117.5
122.5°	134.3	131.5	134.3	137.1	137.1	134.3	128.7	128.7	131.5	134.3	137.1
125°	151.1	151.1	153.9	156.7	159.5	153.9	151.1	148.3	153.9	156.7	156.7
127.5°	170.7	167.9	173.5	181.9	184.7	179.1	173.5	170.7	176.3	181.9	181.9
130°	190.3	187.5	195.8	204.2	209.8	204.2	198.6	195.8	201.4	207.0	207.0
132.5°	207.0	204.2	215.4	226.6	232.2	229.4	223.8	218.2	226.6	232.2	229.4
135°	221.0	221.0	235.0	246.2	251.8	249.0	243.4	237.8	249.0	254.6	249.0
137.5°	229.4	229.4	246.2	257.4	263.0	263.0	260.2	254.6	265.8	268.6	260.2
140°	229.4	232.2	246.2	257.4	260.2	263.0	263.0	260.2	271.4	271.4	263.0
142.5°	221.0	223.8	237.8	249.0	251.8	254.6	257.4	254.6	263.0	263.0	257.4
145°	207.0	209.8	223.8	235.0	235.0	237.8	243.4	240.6	246.2	249.0	243.4
147.5°	187.5	190.3	201.4	207.0	209.8	215.4	221.0	221.0	223.8	226.6	223.8
150°	162.3	162.3	170.7	176.3	179.1	184.7	190.3	193.0	193.0	195.8	193.0
152.5°	128.7	128.7	134.3	139.9	142.7	151.1	153.9	156.7	159.5	162.3	159.5
155°	97.9	97.9	100.7	103.5	106.3	114.7	117.5	120.3	123.1	125.9	123.1
157.5°	69.9	69.9	72.7	75.5	78.3	83.9	86.7	89.5	89.5	92.3	92.3
160°	44.8	47.6	47.6	50.4	50.4	56.0	58.8	58.8	61.6	64.3	64.3
162.5°	22.4	25.2	25.2	28.0	30.8	33.6	36.4	36.4	39.2	39.2	39.2
165°	5.6	8.4	8.4	11.2	11.2	14.0	16.8	16.8	19.6	19.6	19.6
167.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	5.6
170°	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	2.8	2.8	2.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7	8264.7
2.5°	7489.7	7484.1	7638.0	7761.1	7906.6	8021.3	8133.2	8239.6	8281.5	8278.7	8281.5
5°	6502.1	6600.0	6801.5	7000.1	7235.1	7456.2	7663.2	7800.3	7887.0	7887.0	7895.4
7.5°	5511.7	5668.4	5917.4	6233.5	6586.1	6874.2	7224.0	7470.2	7666.0	7660.4	7696.8
10°	4451.3	4574.4	4823.4	5162.0	5550.9	5883.8	6188.8	6418.2	6608.4	6597.2	6644.8
12.5°	3656.7	3743.5	3958.9	4266.7	4622.0	4943.7	5243.1	5422.2	5556.5	5553.7	5578.8
15°	3189.5	3279.0	3418.9	3631.6	3925.3	4210.7	4510.1	4672.3	4747.9	4739.5	4781.5
17.5°	2999.3	3035.6	3122.4	3265.0	3477.7	3709.9	3947.7	4087.6	4174.3	4163.1	4193.9
20°	2795.0	2828.6	2887.3	2993.7	3144.7	3321.0	3522.4	3676.3	3740.7	3737.9	3757.5
22.5°	2560.0	2576.8	2641.1	2725.1	2834.2	2976.9	3130.8	3270.6	3335.0	3332.2	3351.8
25°	2397.7	2425.7	2464.9	2515.2	2590.8	2702.7	2831.4	2929.3	2988.1	2982.5	3007.6
27.5°	1751.4	1779.4	1799.0	1829.8	1832.6	1924.9	1969.7	2050.8	2104.0	2101.2	2117.9
30°	1538.8	1544.4	1561.2	1603.1	1628.3	1701.1	1790.6	1852.2	1896.9	1913.7	1924.9
32.5°	1404.5	1421.3	1440.9	1460.5	1491.2	1536.0	1605.9	1661.9	1709.5	1717.9	1737.4
35°	1250.6	1261.8	1275.8	1295.4	1315.0	1351.3	1404.5	1449.3	1485.6	1499.6	1510.8
37.5°	1141.5	1144.3	1158.3	1180.7	1197.5	1228.2	1275.8	1309.4	1345.7	1348.5	1359.7
40°	1068.8	1071.6	1085.6	1105.1	1124.7	1144.3	1186.3	1217.0	1242.2	1245.0	1253.4
42.5°	984.8	993.2	998.8	1007.2	1021.2	1038.0	1074.4	1091.1	1107.9	1110.7	1121.9
45°	870.1	872.9	878.5	886.9	903.7	920.5	945.7	965.2	976.4	976.4	973.6
47.5°	805.8	808.6	808.6	819.8	833.7	850.5	872.9	889.7	895.3	895.3	895.3
50°	783.4	783.4	777.8	786.2	800.2	811.4	833.7	847.7	850.5	853.3	856.1
52.5°	800.2	794.6	777.8	786.2	800.2	811.4	833.7	839.3	839.3	844.9	847.7
55°	892.5	884.1	850.5	856.1	872.9	886.9	903.7	906.5	912.1	920.5	917.7
57.5°	951.3	956.9	917.7	926.1	956.9	968.0	987.6	984.8	996.0	1007.2	1010.0
60°	895.3	912.1	881.3	892.5	928.9	934.5	954.1	942.9	959.6	959.6	959.6
62.5°	761.0	766.6	749.8	766.6	800.2	800.2	814.2	805.8	811.4	805.8	808.6
65°	665.9	663.1	643.5	665.9	677.1	682.7	693.9	696.7	696.7	691.1	691.1
67.5°	607.1	601.5	584.7	590.3	601.5	604.3	621.1	623.9	621.1	621.1	623.9
70°	554.0	545.6	528.8	531.6	540.0	542.8	556.8	562.4	559.6	556.8	559.6
72.5°	500.8	492.4	475.6	475.6	484.0	489.6	500.8	506.4	500.8	500.8	503.6
75°	450.4	442.1	425.3	425.3	430.9	433.7	447.7	450.4	447.7	444.9	447.7
77.5°	405.7	400.1	383.3	383.3	386.1	388.9	397.3	400.1	397.3	394.5	397.3
80°	363.7	355.3	344.1	341.3	344.1	344.1	352.5	355.3	349.7	349.7	352.5
82.5°	324.5	316.2	305.0	305.0	302.2	305.0	310.6	313.4	310.6	307.8	310.6
85°	288.2	282.6	271.4	268.6	268.6	268.6	274.2	274.2	271.4	271.4	271.4
87.5°	254.6	249.0	237.8	237.8	235.0	237.8	240.6	240.6	237.8	237.8	237.8
90°	221.0	215.4	207.0	207.0	204.2	207.0	209.8	209.8	207.0	207.0	207.0
92.5°	195.8	193.0	184.7	184.7	181.9	184.7	184.7	184.7	181.9	181.9	181.9
95°	173.5	170.7	165.1	162.3	162.3	162.3	162.3	162.3	159.5	159.5	159.5
97.5°	151.1	148.3	142.7	142.7	139.9	142.7	142.7	142.7	139.9	139.9	139.9
100°	131.5	128.7	125.9	125.9	123.1	123.1	123.1	123.1	123.1	123.1	123.1
102.5°	109.1	109.1	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
105°	97.9	97.9	97.9	97.9	100.7	100.7	100.7	97.9	97.9	97.9	97.9
107.5°	92.3	92.3	92.3	95.1	95.1	95.1	97.9	92.3	89.5	89.5	89.5
110°	89.5	89.5	92.3	92.3	95.1	95.1	97.9	86.7	83.9	83.9	83.9



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CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	92.3	92.3	92.3	95.1	97.9	97.9	100.7	86.7	83.9	83.9	83.9
115°	97.9	97.9	97.9	100.7	103.5	106.3	106.3	92.3	86.7	86.7	89.5
117.5°	106.3	106.3	106.3	109.1	114.7	114.7	114.7	97.9	95.1	95.1	95.1
120°	117.5	120.3	120.3	123.1	128.7	131.5	125.9	111.9	95.1	103.5	103.5
122.5°	134.3	137.1	139.9	142.7	151.1	151.1	142.7	128.7	103.5	114.7	117.5
125°	156.7	159.5	162.3	167.9	176.3	176.3	165.1	145.5	117.5	128.7	131.5
127.5°	179.1	184.7	187.5	195.8	207.0	207.0	193.0	167.9	131.5	139.9	142.7
130°	204.2	209.8	215.4	226.6	240.6	235.0	223.8	190.3	142.7	148.3	148.3
132.5°	226.6	235.0	237.8	254.6	268.6	263.0	249.0	204.2	148.3	148.3	145.5
135°	243.4	249.0	251.8	268.6	282.6	274.2	257.4	209.8	145.5	139.9	139.9
137.5°	254.6	260.2	263.0	274.2	285.4	271.4	249.0	198.6	139.9	137.1	134.3
140°	260.2	260.2	260.2	268.6	274.2	257.4	229.4	179.1	125.9	131.5	131.5
142.5°	254.6	251.8	249.0	254.6	257.4	237.8	212.6	159.5	114.7	120.3	120.3
145°	240.6	235.0	232.2	235.0	235.0	212.6	184.7	137.1	100.7	103.5	103.5
147.5°	221.0	212.6	207.0	207.0	204.2	181.9	156.7	114.7	86.7	83.9	83.9
150°	190.3	181.9	176.3	176.3	167.9	148.3	125.9	89.5	69.9	69.9	69.9
152.5°	156.7	148.3	142.7	142.7	134.3	114.7	95.1	67.1	53.2	53.2	53.2
155°	123.1	114.7	109.1	106.3	100.7	86.7	69.9	50.4	39.2	39.2	39.2
157.5°	92.3	86.7	81.1	78.3	72.7	64.3	50.4	36.4	25.2	28.0	28.0
160°	64.3	58.8	56.0	53.2	50.4	42.0	33.6	22.4	14.0	14.0	14.0
162.5°	39.2	36.4	36.4	33.6	30.8	28.0	19.6	11.2	5.6	5.6	5.6
165°	19.6	19.6	16.8	16.8	14.0	11.2	8.4	2.8	0.0	0.0	0.0
167.5°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
170°	2.8	2.8	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)