

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: P690830

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6979 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - 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



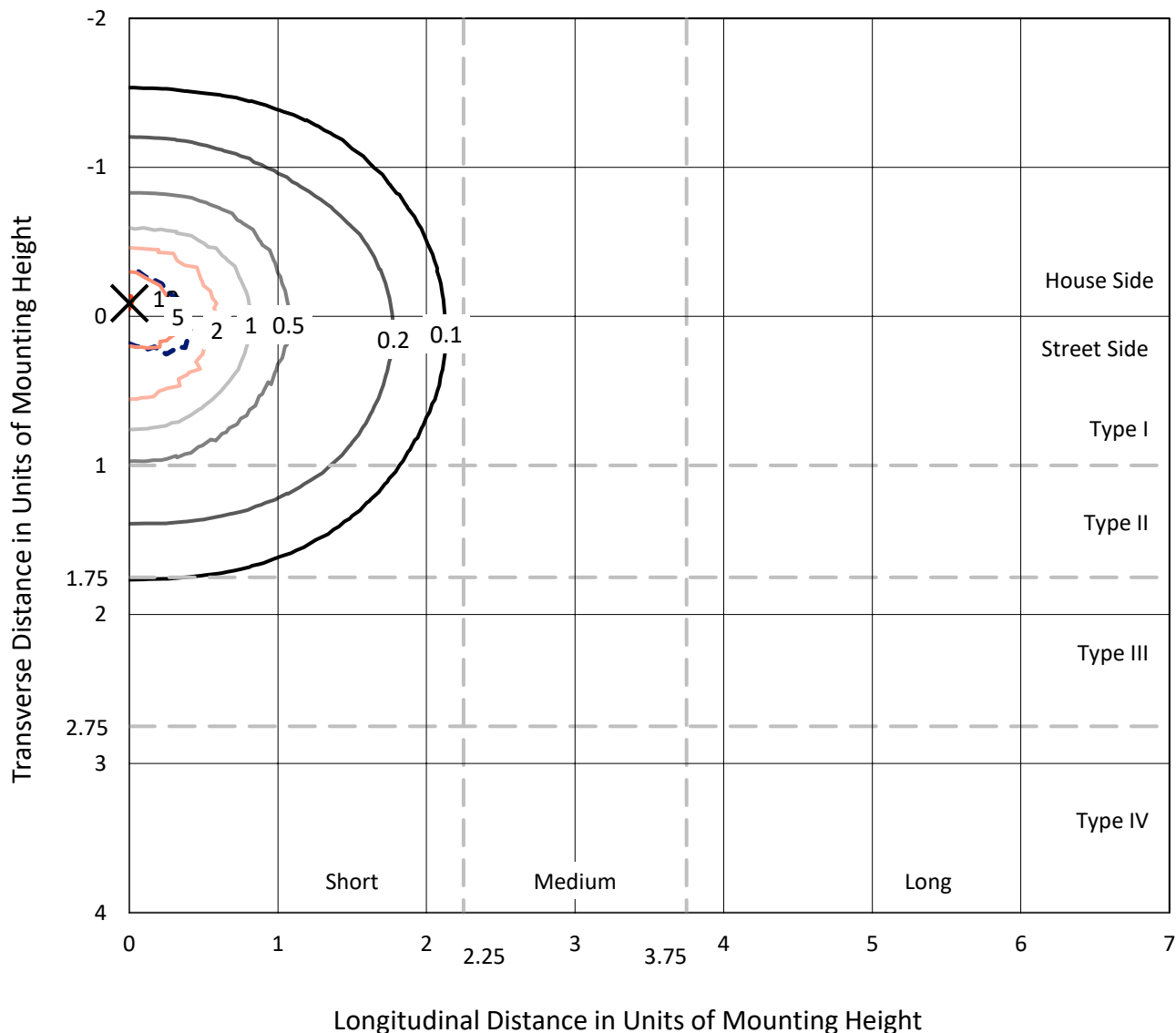
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

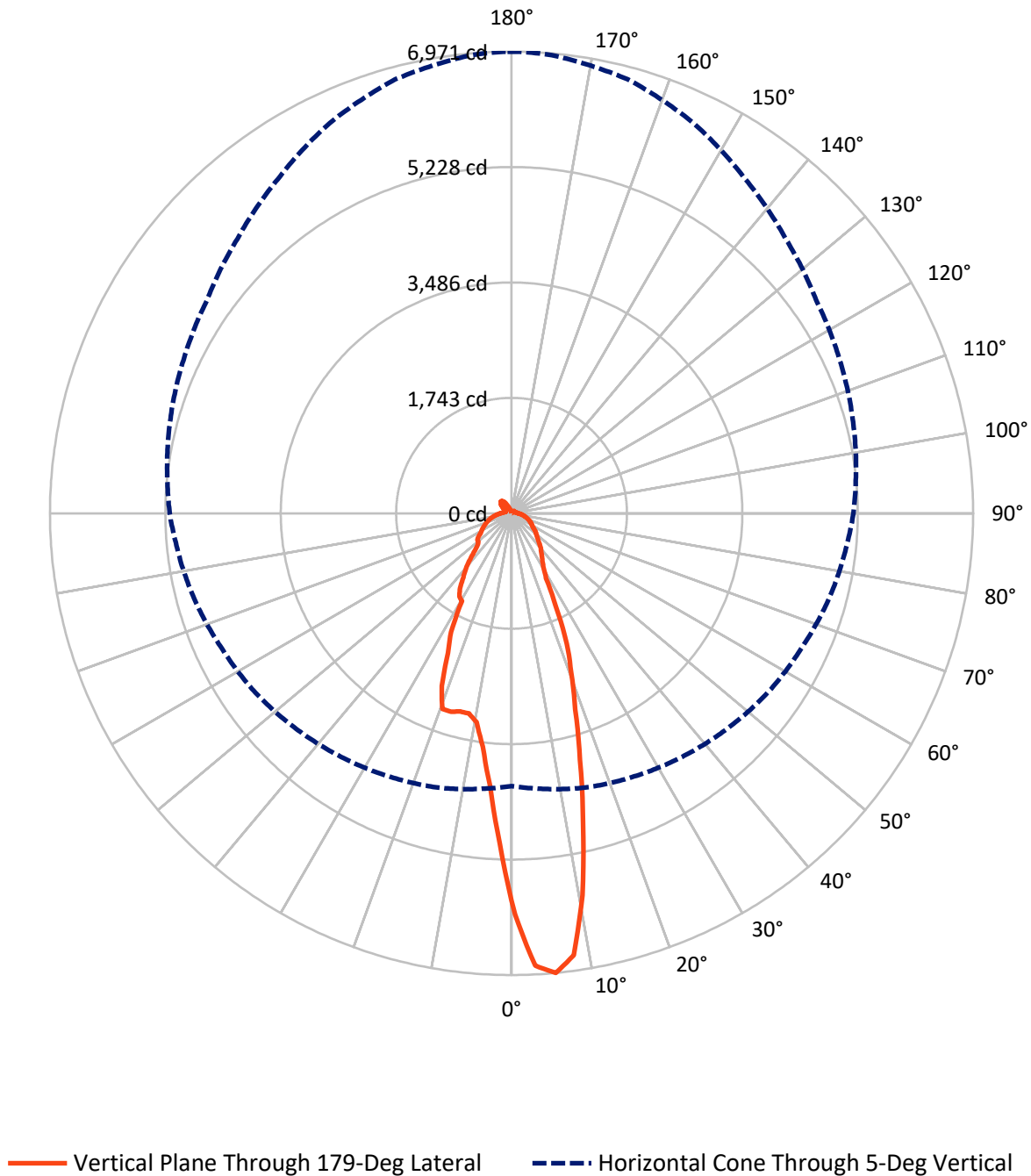


Based on 25 foot mounting height. Maximum calculated value = 10.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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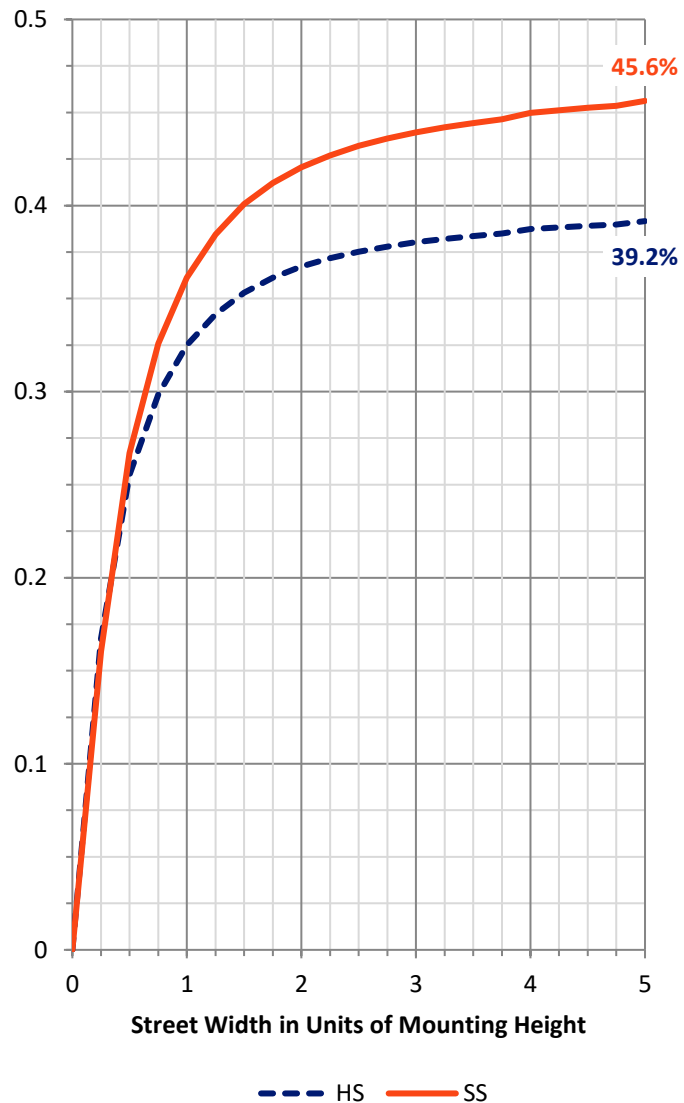
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2808.4	341.5	3149.9
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3259.7	569.4	3829.1
	% Fixture	46.7	8.2	54.9
Total	Lumens	6068.1	910.8	6979.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	6.8
10°-20°	1010.2	14.5
20°-30°	1097.4	15.7
30°-40°	812.2	11.6
40°-50°	680.3	9.7
50°-60°	683.9	9.8
60°-70°	582.2	8.3
70°-80°	434.9	6.2
80°-90°	293.6	4.2
90°-100°	175.5	2.5
100°-110°	101.4	1.5
110°-120°	93.3	1.3
120°-130°	134.9	1.9
130°-140°	184.7	2.6
140°-150°	152.2	2.2
150°-160°	61.3	0.9
160°-170°	7.5	0.1
170°-180°	0.0	0.0
0°-90°	6068.1	86.9
0°-180°	6979.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690830

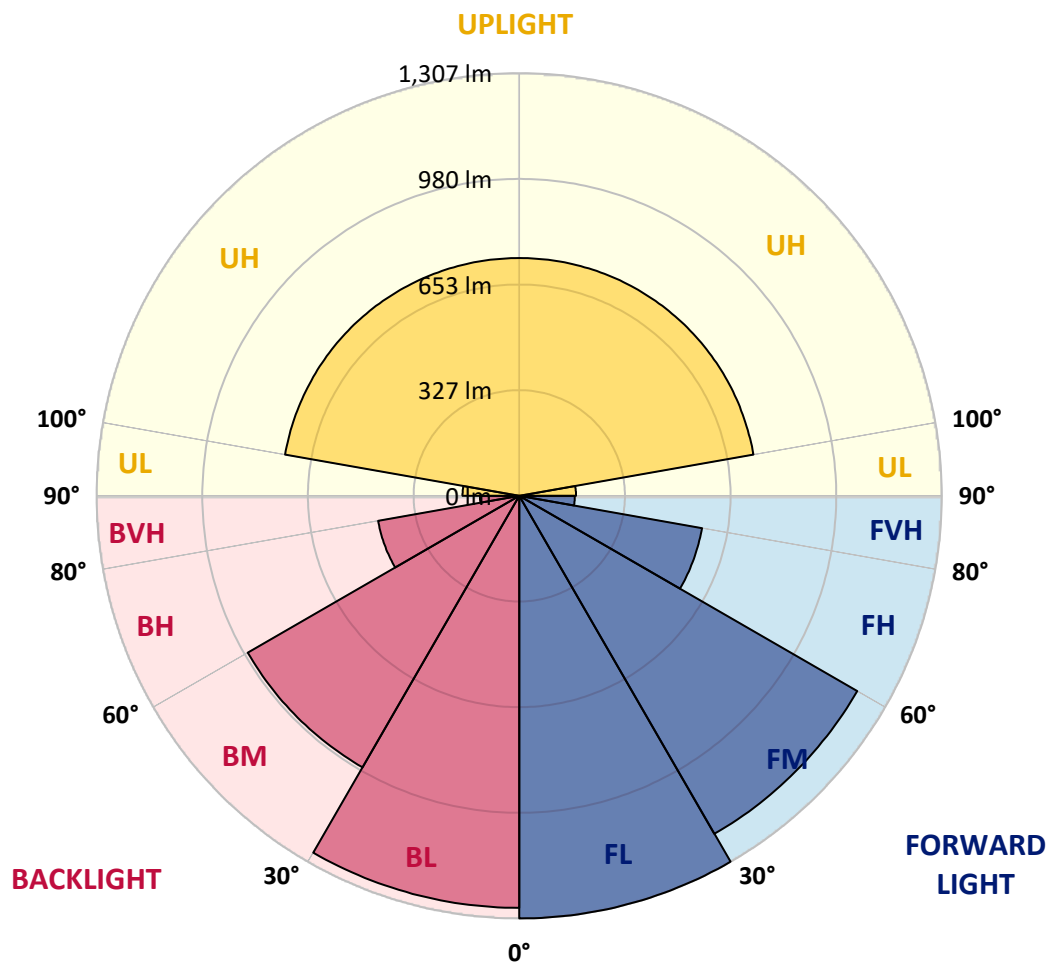
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1306.9	18.7			
FM	(30°-60°)	1206.9	17.3			
FH	(60°-80°)	574.0	8.2			G0/660
FVH	(80°-90°)	171.9	2.5			G2/225
BL	(0°-30°)	1274.2	18.3	B3/2500		
BM	(30°-60°)	969.5	13.9	B1/1000		
BH	(60°-80°)	443.1	6.3	B1/500		G1/500
BVH	(80°-90°)	121.7	1.7			G2/225
UL	(90°-100°)	175.5	2.5		U3/500	
UH	(100°-180°)	735.4	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0
2.5°	4992.6	5020.6	5082.2	5112.9	5143.7	5182.9	5241.7	5286.4	5390.0	5485.1	5524.3
5°	4119.5	4169.8	4287.4	4382.5	4488.9	4600.8	4721.1	4827.5	4964.6	5090.6	5163.3
7.5°	3540.2	3582.1	3722.1	3906.8	4094.3	4251.0	4374.1	4455.3	4516.8	4567.2	4620.4
10°	3187.5	3223.9	3363.8	3529.0	3688.5	3834.0	3937.6	4015.9	4038.3	4088.7	4113.9
12.5°	3086.8	3103.6	3201.5	3316.3	3414.2	3556.9	3680.1	3764.0	3800.4	3845.2	3859.2
15°	3089.6	3089.6	3145.6	3218.3	3307.9	3417.0	3554.2	3654.9	3708.1	3733.3	3730.5
17.5°	3131.6	3128.8	3154.0	3212.7	3288.3	3397.4	3537.4	3640.9	3702.5	3710.9	3702.5
20°	3131.6	3134.4	3142.8	3209.9	3282.7	3380.6	3523.4	3610.1	3657.7	3632.5	3604.5
22.5°	2812.5	2809.7	2882.5	3025.2	3221.1	3425.4	3554.2	3660.5	3671.7	3579.3	3503.8
25°	2322.8	2303.2	2345.2	2409.5	2541.1	2779.0	3047.6	3450.6	3691.3	3638.1	3523.4
27.5°	2015.0	1989.8	2026.1	1998.2	1984.2	1967.4	1950.6	1903.0	1933.8	1961.8	2084.9
30°	1519.6	1525.2	1533.6	1550.4	1584.0	1651.1	1721.1	1763.1	1799.5	1872.2	1863.8
32.5°	1486.0	1483.2	1486.0	1502.8	1519.6	1561.6	1603.6	1626.0	1653.9	1723.9	1707.1
35°	1374.1	1368.5	1388.1	1396.5	1393.7	1404.9	1446.8	1472.0	1497.2	1542.0	1525.2
37.5°	1209.0	1214.6	1256.5	1278.9	1287.3	1312.5	1346.1	1368.5	1399.3	1432.9	1424.5
40°	1085.8	1083.0	1127.8	1158.6	1178.2	1217.4	1267.7	1301.3	1351.7	1379.7	1360.1
42.5°	934.7	945.9	979.5	1010.3	1015.9	1035.5	1080.2	1119.4	1181.0	1223.0	1211.8
45°	786.4	794.8	822.8	848.0	867.5	892.7	926.3	959.9	1010.3	1043.9	1041.1
47.5°	694.0	702.4	724.8	755.6	783.6	820.0	853.6	887.1	934.7	959.9	951.5
50°	657.7	663.3	688.4	722.0	764.0	808.8	853.6	889.9	934.7	951.5	937.5
52.5°	654.9	654.9	685.6	736.0	794.8	856.4	915.1	965.5	1007.5	1007.5	979.5
55°	615.7	621.3	660.5	727.6	817.2	917.9	1021.5	1116.6	1172.6	1161.4	1108.2
57.5°	559.7	562.5	604.5	668.9	764.0	887.1	1027.1	1147.4	1214.6	1228.6	1172.6
60°	526.1	528.9	556.9	618.5	699.6	797.6	926.3	1021.5	1088.6	1130.6	1085.8
62.5°	498.1	498.1	526.1	568.1	635.3	708.0	780.8	845.2	898.3	929.1	903.9
65°	467.4	467.4	486.9	526.1	579.3	649.3	705.2	752.8	800.4	822.8	800.4
67.5°	436.6	436.6	456.2	492.5	540.1	598.9	654.9	699.6	747.2	764.0	747.2
70°	405.8	405.8	425.4	456.2	500.9	556.9	598.9	646.5	691.2	702.4	688.4
72.5°	375.0	375.0	394.6	422.6	461.8	514.9	554.1	590.5	632.5	640.9	626.9
75°	347.0	347.0	361.0	389.0	425.4	473.0	512.1	545.7	579.3	579.3	568.1
77.5°	316.2	319.0	330.2	355.4	389.0	433.8	470.2	500.9	528.9	528.9	514.9
80°	285.5	288.3	299.4	321.8	352.6	394.6	428.2	456.2	481.3	481.3	467.4
82.5°	254.7	257.5	268.7	288.3	316.2	355.4	389.0	417.0	439.4	436.6	422.6
85°	226.7	229.5	237.9	254.7	279.9	319.0	349.8	375.0	394.6	391.8	380.6
87.5°	198.7	201.5	209.9	223.9	246.3	282.7	313.4	335.8	352.6	349.8	338.6
90°	173.5	173.5	181.9	195.9	215.5	246.3	274.3	293.8	310.6	305.0	293.8
92.5°	151.1	153.9	159.5	170.7	187.5	215.5	240.7	257.5	274.3	271.5	260.3
95°	134.3	134.3	139.9	148.3	162.3	184.7	209.9	223.9	235.1	235.1	226.7
97.5°	117.5	120.3	123.1	128.7	139.9	156.7	176.3	190.3	198.7	198.7	193.1
100°	106.3	109.1	109.1	114.7	120.3	131.5	145.5	156.7	165.1	165.1	162.3
102.5°	100.7	100.7	100.7	103.5	106.3	111.9	120.3	125.9	131.5	134.3	131.5
105°	95.2	95.2	95.2	97.9	97.9	103.5	106.3	111.9	114.7	114.7	111.9
107.5°	92.4	92.4	95.2	95.2	95.2	97.9	103.5	103.5	106.3	103.5	103.5
110°	95.2	95.2	95.2	95.2	95.2	97.9	100.7	100.7	100.7	100.7	97.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	97.9	97.9	97.9	97.9	100.7	100.7	100.7	103.5	103.5	100.7	100.7
115°	106.3	106.3	106.3	106.3	106.3	109.1	109.1	109.1	109.1	106.3	103.5
117.5°	114.7	114.7	114.7	117.5	117.5	120.3	117.5	120.3	117.5	114.7	114.7
120°	128.7	128.7	131.5	134.3	137.1	137.1	134.3	137.1	137.1	131.5	128.7
122.5°	145.5	145.5	148.3	156.7	159.5	162.3	159.5	159.5	159.5	153.9	151.1
125°	162.3	165.1	170.7	181.9	190.3	195.9	190.3	193.1	193.1	184.7	181.9
127.5°	181.9	184.7	195.9	212.7	226.7	232.3	229.5	232.3	235.1	221.1	215.5
130°	201.5	201.5	218.3	243.5	263.1	271.5	274.3	277.1	279.9	265.9	254.7
132.5°	218.3	218.3	240.7	271.5	296.6	310.6	316.2	321.8	327.4	307.8	293.8
135°	229.5	232.3	260.3	296.6	327.4	347.0	355.4	361.0	369.4	347.0	330.2
137.5°	237.9	243.5	271.5	310.6	344.2	372.2	389.0	397.4	403.0	380.6	358.2
140°	240.7	243.5	274.3	313.4	347.0	377.8	403.0	417.0	419.8	397.4	375.0
142.5°	232.3	237.9	265.9	305.0	338.6	372.2	400.2	414.2	417.0	397.4	375.0
145°	221.1	223.9	249.1	285.5	319.0	355.4	386.2	400.2	400.2	383.4	361.0
147.5°	201.5	204.3	226.7	257.5	291.0	327.4	358.2	372.2	375.0	358.2	338.6
150°	173.5	176.3	193.1	218.3	251.9	288.3	316.2	333.0	333.0	316.2	302.2
152.5°	139.9	142.7	156.7	176.3	204.3	237.9	263.1	279.9	279.9	268.7	251.9
155°	109.1	109.1	120.3	137.1	156.7	181.9	201.5	215.5	218.3	207.1	195.9
157.5°	78.4	78.4	86.8	100.7	117.5	137.1	151.1	162.3	162.3	153.9	148.3
160°	53.2	53.2	58.8	67.2	78.4	92.4	103.5	114.7	114.7	109.1	103.5
162.5°	28.0	28.0	33.6	39.2	47.6	58.8	64.4	72.8	72.8	70.0	67.2
165°	8.4	8.4	11.2	14.0	19.6	25.2	28.0	33.6	36.4	33.6	30.8
167.5°	0.0	0.0	2.8	2.8	2.8	2.8	5.6	8.4	8.4	8.4	8.4
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0	6056.0
2.5°	5566.3	5742.6	5902.1	6067.2	6271.5	6450.6	6643.7	6780.9	6839.6	6839.6	6862.0
5°	5216.5	5339.6	5468.4	5613.9	5857.4	6156.8	6501.0	6783.7	6946.0	6971.2	6968.4
7.5°	4637.2	4721.1	4852.7	5015.0	5238.9	5507.5	5949.7	6391.9	6685.7	6738.9	6719.3
10°	4127.9	4206.2	4284.6	4346.1	4505.7	4718.3	5043.0	5474.0	5812.6	5865.7	5823.8
12.5°	3867.6	3892.8	3890.0	3926.4	3990.7	4097.1	4262.2	4511.3	4743.5	4793.9	4757.5
15°	3730.5	3694.1	3638.1	3573.7	3568.1	3584.9	3626.9	3727.7	3825.6	3867.6	3839.6
17.5°	3674.5	3587.7	3473.0	3347.1	3263.1	3184.7	3131.6	3098.0	3112.0	3114.8	3092.4
20°	3543.0	3439.4	3254.7	3075.6	2941.3	2804.1	2686.6	2599.8	2585.9	2571.9	2555.1
22.5°	3394.6	3218.3	2997.2	2779.0	2580.3	2398.4	2266.8	2163.3	2124.1	2138.1	2129.7
25°	3363.8	3070.0	2801.3	2448.7	2196.9	1992.6	1746.3	1578.4	1502.8	1544.8	1516.8
27.5°	2017.8	2026.1	1875.0	1662.3	1480.4	1360.1	1250.9	1161.4	1111.0	1111.0	1116.6
30°	1827.4	1746.3	1645.5	1514.0	1354.5	1234.2	1113.8	1015.9	962.7	948.7	954.3
32.5°	1670.7	1614.8	1519.6	1393.7	1248.2	1125.0	999.1	909.5	859.2	856.4	853.6
35°	1502.8	1444.0	1365.7	1256.5	1130.6	1015.9	906.7	828.4	783.6	786.4	786.4
37.5°	1388.1	1334.9	1264.9	1161.4	1046.7	931.9	834.0	761.2	724.8	724.8	722.0
40°	1329.3	1267.7	1192.2	1097.0	990.7	870.3	778.0	708.0	677.2	677.2	674.4
42.5°	1200.6	1147.4	1097.0	999.1	892.7	794.8	708.0	646.5	615.7	615.7	615.7
45°	1018.7	987.9	948.7	881.5	794.8	713.6	640.9	582.1	556.9	554.1	554.1
47.5°	940.3	906.7	859.2	797.6	727.6	652.1	582.1	540.1	514.9	514.9	514.9
50°	917.9	878.7	814.4	741.6	668.9	601.7	540.1	500.9	478.6	478.6	481.3
52.5°	948.7	884.3	797.6	708.0	632.5	556.9	503.7	464.6	447.8	447.8	445.0
55°	1055.1	934.7	808.8	699.6	604.5	523.3	467.4	425.4	405.8	405.8	405.8
57.5°	1113.8	971.1	817.2	688.4	579.3	498.1	439.4	394.6	375.0	375.0	375.0
60°	1046.7	929.1	783.6	666.1	559.7	475.8	414.2	372.2	352.6	349.8	347.0
62.5°	875.9	803.2	699.6	601.7	517.7	445.0	394.6	352.6	333.0	333.0	330.2
65°	780.8	719.2	629.7	545.7	475.8	414.2	366.6	333.0	313.4	310.6	310.6
67.5°	727.6	671.7	582.1	503.7	439.4	383.4	338.6	307.8	293.8	288.3	288.3
70°	668.9	607.3	528.9	459.0	400.2	349.8	313.4	282.7	268.7	265.9	263.1
72.5°	610.1	554.1	481.3	414.2	361.0	319.0	285.5	257.5	243.5	240.7	240.7
75°	548.5	495.3	425.4	369.4	324.6	285.5	254.7	232.3	221.1	218.3	215.5
77.5°	498.1	450.6	383.4	330.2	288.3	257.5	229.5	209.9	198.7	198.7	195.9
80°	450.6	405.8	341.4	293.8	257.5	226.7	204.3	187.5	179.1	176.3	176.3
82.5°	405.8	361.0	302.2	260.3	226.7	201.5	179.1	165.1	156.7	156.7	156.7
85°	363.8	321.8	268.7	229.5	198.7	176.3	156.7	142.7	137.1	134.3	137.1
87.5°	321.8	282.7	237.9	201.5	173.5	151.1	134.3	123.1	117.5	117.5	117.5
90°	282.7	246.3	204.3	170.7	148.3	128.7	114.7	103.5	100.7	97.9	97.9
92.5°	249.1	218.3	181.9	153.9	131.5	117.5	103.5	95.2	89.6	89.6	89.6
95°	218.3	190.3	162.3	137.1	120.3	106.3	95.2	86.8	84.0	84.0	84.0
97.5°	187.5	165.1	142.7	123.1	109.1	97.9	86.8	81.2	78.4	75.6	78.4
100°	156.7	139.9	123.1	109.1	97.9	86.8	78.4	72.8	70.0	70.0	70.0
102.5°	125.9	117.5	103.5	92.4	84.0	78.4	70.0	64.4	61.6	61.6	61.6
105°	109.1	100.7	92.4	84.0	78.4	70.0	64.4	58.8	56.0	56.0	56.0
107.5°	100.7	95.2	86.8	81.2	72.8	67.2	61.6	53.2	50.4	50.4	50.4
110°	97.9	92.4	86.8	78.4	72.8	67.2	61.6	50.4	47.6	47.6	47.6



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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	97.9	92.4	86.8	81.2	75.6	67.2	61.6	50.4	44.8	44.8	44.8
115°	103.5	97.9	92.4	86.8	78.4	70.0	64.4	50.4	44.8	44.8	44.8
117.5°	111.9	106.3	100.7	92.4	84.0	75.6	64.4	50.4	47.6	47.6	47.6
120°	125.9	120.3	111.9	103.5	92.4	81.2	70.0	53.2	44.8	47.6	47.6
122.5°	145.5	139.9	128.7	114.7	103.5	89.6	72.8	56.0	42.0	47.6	47.6
125°	173.5	165.1	148.3	131.5	114.7	97.9	78.4	58.8	44.8	50.4	50.4
127.5°	204.3	193.1	170.7	148.3	128.7	106.3	84.0	61.6	47.6	50.4	50.4
130°	240.7	221.1	193.1	165.1	139.9	114.7	89.6	64.4	50.4	50.4	50.4
132.5°	277.1	249.1	212.7	181.9	151.1	120.3	92.4	64.4	50.4	50.4	50.4
135°	307.8	274.3	232.3	193.1	156.7	123.1	95.2	64.4	50.4	50.4	50.4
137.5°	335.8	291.0	243.5	198.7	159.5	123.1	92.4	64.4	47.6	47.6	47.6
140°	349.8	299.4	249.1	198.7	156.7	120.3	86.8	58.8	44.8	44.8	44.8
142.5°	349.8	296.6	243.5	193.1	151.1	114.7	81.2	56.0	39.2	42.0	42.0
145°	338.6	285.5	232.3	181.9	139.9	103.5	72.8	47.6	36.4	36.4	36.4
147.5°	313.4	263.1	212.7	165.1	125.9	89.6	64.4	42.0	30.8	28.0	30.8
150°	279.9	232.3	184.7	142.7	106.3	75.6	53.2	33.6	25.2	25.2	25.2
152.5°	235.1	193.1	153.9	117.5	84.0	58.8	39.2	25.2	19.6	19.6	19.6
155°	184.7	151.1	120.3	89.6	64.4	44.8	30.8	19.6	14.0	14.0	14.0
157.5°	139.9	114.7	89.6	64.4	47.6	33.6	22.4	14.0	11.2	11.2	11.2
160°	97.9	78.4	61.6	44.8	30.8	22.4	14.0	8.4	5.6	5.6	5.6
162.5°	61.6	50.4	39.2	25.2	19.6	14.0	8.4	5.6	2.8	2.8	2.8
165°	28.0	25.2	16.8	11.2	8.4	5.6	2.8	2.8	0.0	0.0	0.0
167.5°	8.4	5.6	5.6	2.8	2.8	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)