

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: P691798

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8518 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

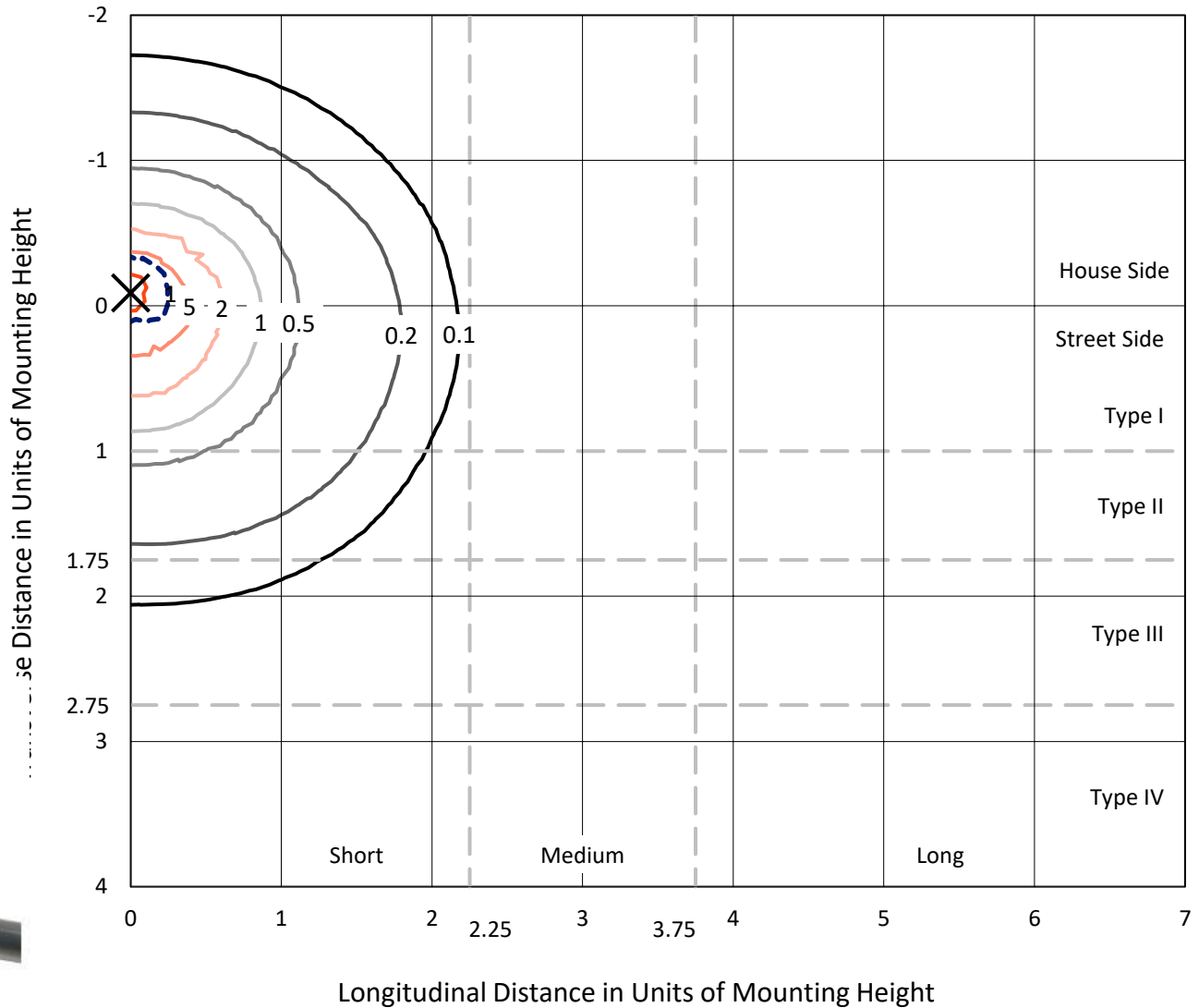
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

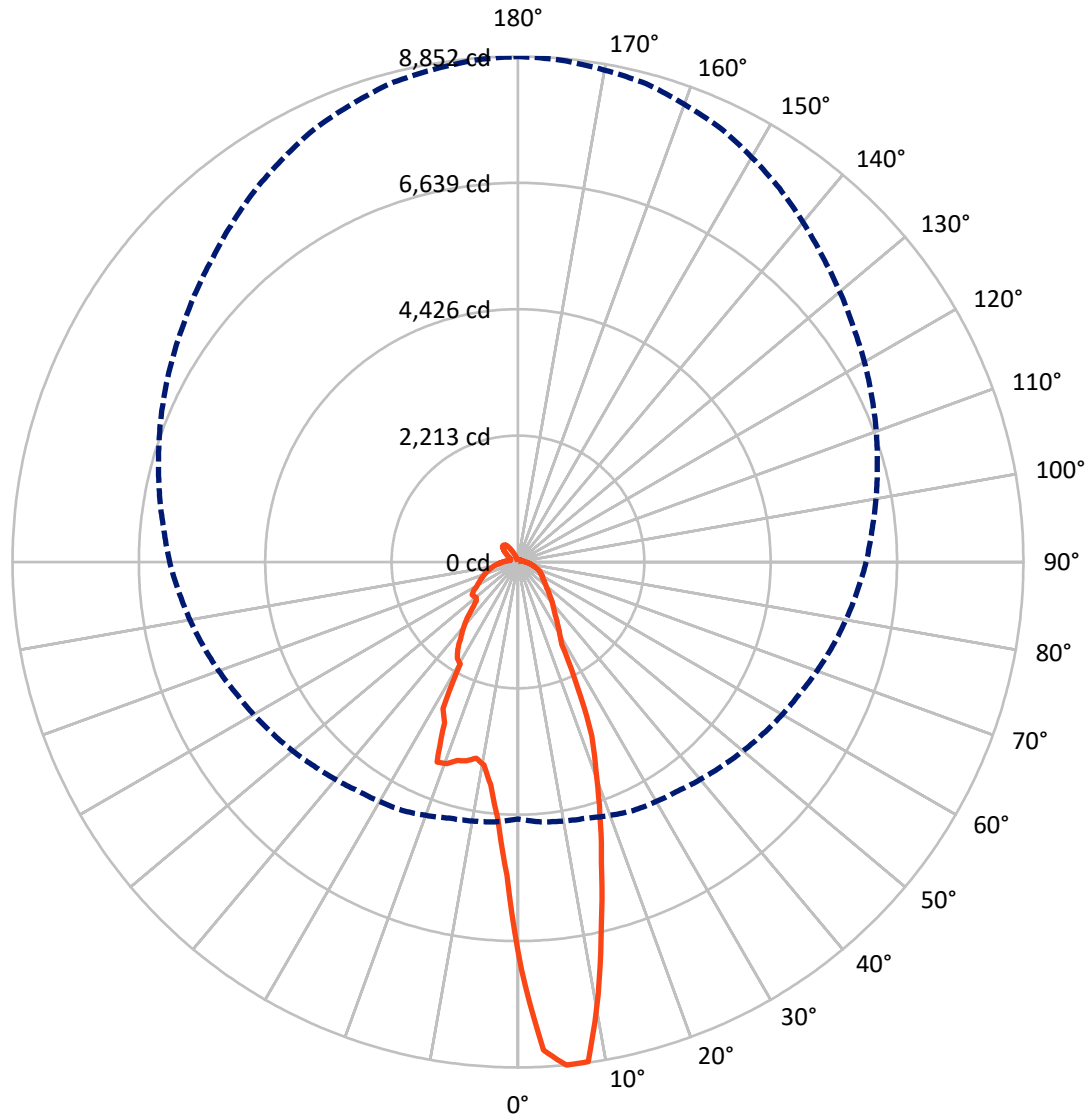
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

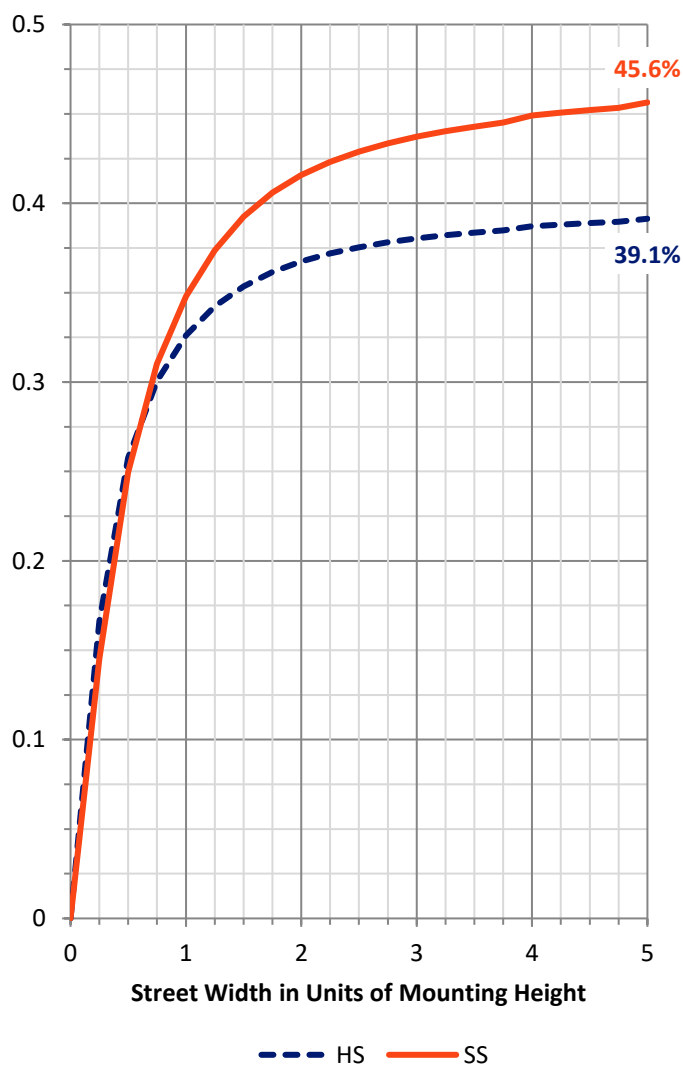
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3423.5	367.1	3790.6
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3995.2	732.2	4727.4
	% Fixture	46.9	8.6	55.5
Total	Lumens	7418.7	1099.3	8518.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.6	6.7
10°-20°	1228.0	14.4
20°-30°	1352.1	15.9
30°-40°	993.5	11.7
40°-50°	832.5	9.8
50°-60°	835.2	9.8
60°-70°	715.3	8.4
70°-80°	533.0	6.3
80°-90°	356.6	4.2
90°-100°	211.8	2.5
100°-110°	123.0	1.4
110°-120°	114.4	1.3
120°-130°	165.9	1.9
130°-140°	223.3	2.6
140°-150°	180.8	2.1
150°-160°	71.4	0.8
160°-170°	8.7	0.1
170°-180°	0.0	0.0
0°-90°	7418.7	87.1
0°-180°	8518.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691798

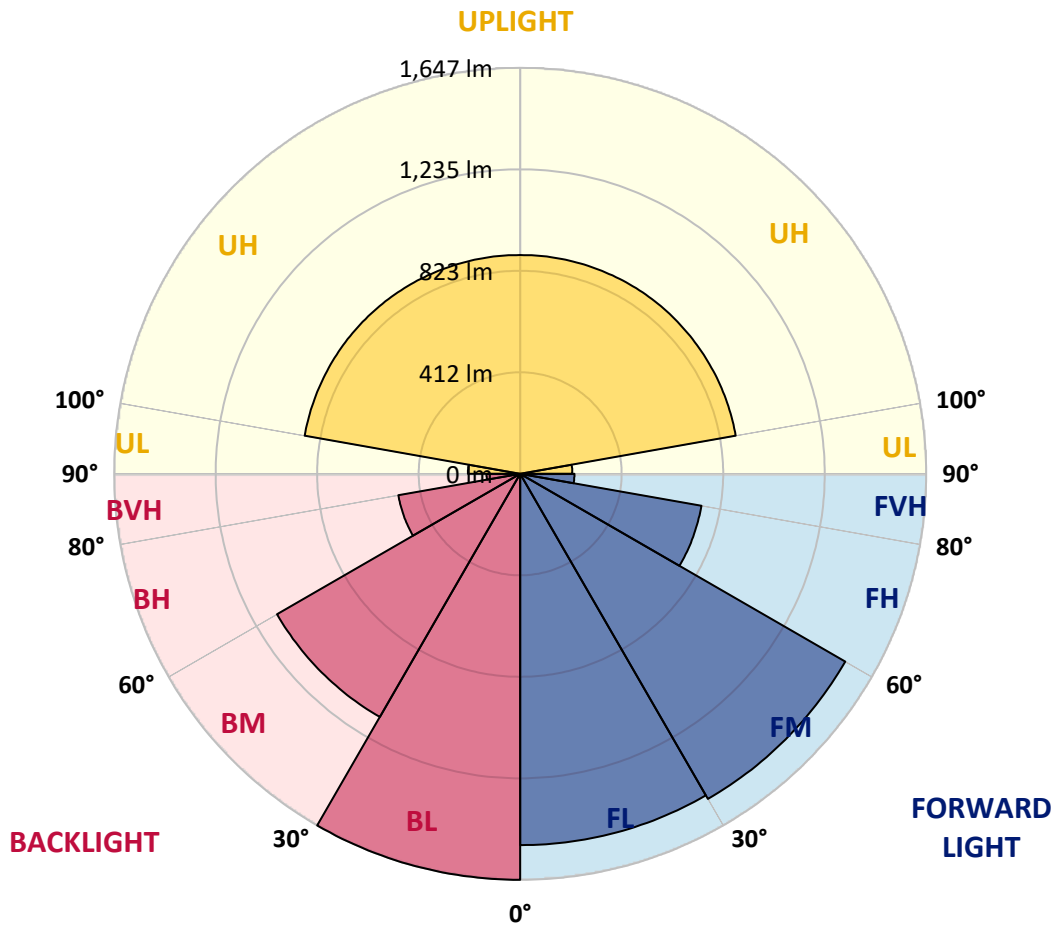
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1506.0	17.7			
FM (30°-60°)	1522.5	17.9			
FH (60°-80°)	746.5	8.8			G1/1800
FVH (80°-90°)	220.1	2.6			G2/225
BL (0°-30°)	1646.6	19.3	B3/2500		
BM (30°-60°)	1138.7	13.4	B2/2500		
BH (60°-80°)	501.8	5.9	B2/1000		G2/1000
BVH (80°-90°)	136.5	1.6			G2/225
UL (90°-100°)	211.8	2.5		U3/500	
UH (100°-180°)	887.5	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short





REPORT NUMBER: P691798

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4
2.5°	5493.2	5574.4	5615.0	5736.8	5777.4	5855.2	5973.6	6091.9	6291.5	6440.3	6555.4
5°	4502.2	4569.8	4644.2	4799.8	4891.1	5053.5	5242.9	5445.9	5703.0	5963.4	6098.7
7.5°	3923.7	3940.7	4048.9	4238.3	4404.1	4576.6	4782.9	4958.8	5134.7	5347.8	5483.1
10°	3605.8	3629.5	3700.5	3845.9	3988.0	4130.1	4292.4	4427.7	4607.0	4786.3	4867.5
12.5°	3511.1	3521.2	3582.1	3666.7	3758.0	3849.3	3974.5	4096.2	4255.2	4410.8	4464.9
15°	3595.6	3595.6	3605.8	3639.6	3687.0	3758.0	3852.7	3957.6	4103.0	4218.0	4275.5
17.5°	3636.2	3639.6	3666.7	3673.4	3717.4	3747.8	3832.4	3913.6	4052.3	4147.0	4177.4
20°	3744.5	3744.5	3747.8	3764.8	3771.5	3788.4	3825.6	3869.6	3984.6	4035.4	4028.6
22.5°	3778.3	3764.8	3818.9	3917.0	3913.6	3917.0	3883.1	3893.3	3957.6	3937.3	3889.9
25°	3101.8	3084.9	3145.8	3206.6	3294.6	3406.2	3683.6	3900.1	3981.2	3917.0	3812.1
27.5°	2885.3	2810.9	2794.0	2648.5	2516.6	2300.1	2279.8	2144.5	2131.0	2215.6	2293.4
30°	2049.8	2053.2	2049.8	2036.3	2026.1	2036.3	2046.4	2022.8	2029.5	2083.6	2060.0
32.5°	1999.1	1999.1	1985.5	1978.8	1948.3	1938.2	1921.3	1877.3	1884.1	1924.7	1914.5
35°	1863.8	1857.0	1860.4	1843.5	1789.4	1745.4	1738.6	1701.4	1701.4	1725.1	1714.9
37.5°	1660.8	1650.7	1691.3	1687.9	1643.9	1627.0	1610.1	1586.4	1586.4	1606.7	1586.4
40°	1501.8	1495.1	1539.1	1552.6	1525.5	1532.3	1535.7	1515.4	1535.7	1539.1	1512.0
42.5°	1332.7	1329.3	1366.5	1363.2	1339.5	1336.1	1332.7	1319.2	1353.0	1380.1	1359.8
45°	1133.1	1123.0	1150.1	1160.2	1153.4	1143.3	1139.9	1139.9	1160.2	1173.7	1153.4
47.5°	1001.2	1004.6	1024.9	1048.6	1055.4	1062.1	1058.7	1052.0	1065.5	1068.9	1052.0
50°	957.3	960.6	991.1	1018.1	1038.4	1052.0	1052.0	1041.8	1052.0	1041.8	1018.1
52.5°	977.6	977.6	1018.1	1058.7	1092.6	1116.2	1119.6	1106.1	1106.1	1079.0	1041.8
55°	984.3	991.1	1045.2	1112.9	1173.7	1238.0	1268.5	1258.3	1268.5	1210.9	1150.1
57.5°	920.0	937.0	991.1	1072.3	1153.4	1254.9	1319.2	1326.0	1322.6	1271.8	1197.4
60°	835.5	849.0	886.2	957.3	1035.1	1116.2	1180.5	1194.0	1207.6	1183.9	1116.2
62.5°	778.0	784.7	815.2	865.9	920.0	964.0	987.7	984.3	997.8	991.1	940.3
65°	727.2	730.6	764.5	805.0	838.9	882.8	889.6	889.6	899.8	886.2	845.6
67.5°	673.1	673.1	700.2	737.4	778.0	815.2	825.3	828.7	842.3	828.7	798.3
70°	625.8	625.8	649.4	679.9	710.3	747.5	757.7	761.1	778.0	761.1	730.6
72.5°	581.8	581.8	602.1	629.2	656.2	686.7	696.8	700.2	713.7	696.8	673.1
75°	534.4	537.8	554.7	578.4	602.1	629.2	642.7	642.7	652.8	632.5	612.2
77.5°	487.1	490.5	507.4	527.7	548.0	575.0	581.8	585.2	595.3	575.0	554.7
80°	439.7	446.5	460.0	476.9	497.2	517.5	531.1	531.1	537.8	517.5	504.0
82.5°	395.8	402.5	412.7	426.2	446.5	466.8	480.3	480.3	483.7	466.8	449.9
85°	351.8	358.5	368.7	378.8	395.8	416.1	429.6	429.6	433.0	416.1	402.5
87.5°	311.2	318.0	324.7	334.9	348.4	368.7	382.2	382.2	382.2	368.7	355.2
90°	270.6	274.0	280.8	290.9	304.4	321.3	331.5	334.9	334.9	318.0	311.2
92.5°	240.2	240.2	246.9	253.7	267.2	280.8	290.9	294.3	294.3	284.1	274.0
95°	206.3	209.7	213.1	219.9	230.0	240.2	253.7	253.7	253.7	246.9	240.2
97.5°	182.7	179.3	182.7	186.0	196.2	203.0	213.1	216.5	216.5	209.7	206.3
100°	155.6	159.0	159.0	162.4	165.7	169.1	175.9	179.3	179.3	175.9	175.9
102.5°	145.4	142.1	142.1	142.1	142.1	142.1	145.4	145.4	148.8	145.4	142.1
105°	135.3	135.3	135.3	135.3	131.9	131.9	131.9	131.9	128.5	125.2	125.2
107.5°	131.9	131.9	131.9	131.9	128.5	128.5	125.2	125.2	121.8	118.4	115.0
110°	131.9	131.9	131.9	131.9	128.5	125.2	125.2	121.8	118.4	115.0	111.6



REPORT NUMBER: P691798

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	138.7	138.7	138.7	138.7	131.9	128.5	125.2	125.2	118.4	115.0	111.6
115°	152.2	152.2	148.8	148.8	145.4	138.7	135.3	131.9	128.5	121.8	118.4
117.5°	165.7	165.7	165.7	165.7	162.4	155.6	148.8	145.4	142.1	131.9	128.5
120°	189.4	189.4	189.4	192.8	186.0	179.3	172.5	165.7	162.4	152.2	145.4
122.5°	219.9	216.5	223.2	226.6	223.2	213.1	203.0	196.2	189.4	175.9	169.1
125°	250.3	250.3	257.1	267.2	267.2	257.1	243.5	233.4	226.6	206.3	196.2
127.5°	287.5	287.5	297.7	314.6	318.0	307.8	294.3	280.8	270.6	243.5	233.4
130°	321.3	321.3	341.6	361.9	372.1	361.9	348.4	331.5	318.0	287.5	270.6
132.5°	348.4	351.8	375.5	402.5	416.1	412.7	395.8	382.2	368.7	331.5	311.2
135°	375.5	378.8	405.9	439.7	456.6	456.6	443.1	426.2	409.3	368.7	345.0
137.5°	389.0	392.4	426.2	460.0	480.3	487.1	480.3	463.4	446.5	402.5	372.1
140°	389.0	395.8	429.6	463.4	483.7	493.9	493.9	476.9	460.0	419.4	389.0
142.5°	378.8	385.6	416.1	449.9	470.2	483.7	487.1	473.6	456.6	416.1	385.6
145°	358.5	361.9	392.4	422.8	443.1	460.0	466.8	456.6	436.3	402.5	372.1
147.5°	324.7	324.7	351.8	375.5	402.5	419.4	429.6	422.8	405.9	375.5	348.4
150°	277.4	277.4	297.7	321.3	345.0	365.3	375.5	375.5	358.5	334.9	307.8
152.5°	219.9	223.2	236.8	257.1	280.8	297.7	311.2	311.2	301.0	280.8	257.1
155°	169.1	169.1	179.3	192.8	213.1	230.0	240.2	240.2	233.4	216.5	203.0
157.5°	121.8	121.8	128.5	142.1	155.6	169.1	179.3	179.3	172.5	162.4	152.2
160°	81.2	81.2	84.6	94.7	104.9	115.0	121.8	125.2	121.8	115.0	104.9
162.5°	44.0	44.0	47.4	54.1	60.9	71.0	74.4	77.8	77.8	71.0	67.7
165°	13.5	13.5	13.5	20.3	23.7	30.4	33.8	37.2	37.2	37.2	33.8
167.5°	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.1	10.1	10.1	10.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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



REPORT NUMBER: P691798

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4	7130.4
2.5°	6663.6	6913.9	7191.3	7475.4	7766.3	8040.3	8270.3	8453.0	8551.0	8574.7	8561.2
5°	6220.5	6514.8	6839.5	7171.0	7549.8	7986.2	8385.3	8672.8	8821.7	8845.3	8852.1
7.5°	5587.9	5845.0	6163.0	6545.2	7022.1	7488.9	8104.6	8534.1	8774.3	8838.6	8838.6
10°	4921.6	5148.2	5347.8	5682.7	6098.7	6535.1	7059.4	7455.1	7698.6	7776.4	7708.8
12.5°	4546.1	4644.2	4779.5	5026.4	5286.9	5618.4	6071.7	6328.7	6487.7	6535.1	6494.5
15°	4306.0	4356.7	4414.2	4519.1	4701.7	4908.1	5175.3	5334.3	5432.4	5489.9	5469.6
17.5°	4191.0	4191.0	4180.8	4204.5	4251.8	4346.6	4529.2	4586.7	4630.7	4654.4	4640.8
20°	4015.1	3960.9	3917.0	3849.3	3822.3	3818.9	3862.9	3923.7	3920.4	3923.7	3896.7
22.5°	3839.2	3727.6	3619.3	3517.8	3402.8	3345.3	3304.7	3325.0	3308.1	3325.0	3308.1
25°	3754.6	3528.0	3311.5	3064.6	2858.2	2699.3	2594.4	2530.1	2421.9	2462.5	2425.3
27.5°	2330.6	2235.9	2144.5	1961.9	1789.4	1728.5	1677.7	1650.7	1630.4	1640.5	1633.8
30°	2019.4	1941.6	1870.5	1775.8	1643.9	1562.7	1501.8	1447.7	1430.8	1434.2	1430.8
32.5°	1873.9	1813.0	1725.1	1627.0	1508.6	1407.1	1336.1	1285.4	1258.3	1275.2	1261.7
35°	1677.7	1616.9	1542.4	1451.1	1349.6	1258.3	1190.7	1143.3	1112.9	1119.6	1116.2
37.5°	1549.2	1491.7	1427.4	1329.3	1241.4	1153.4	1085.8	1038.4	1008.0	1014.8	1008.0
40°	1474.8	1410.5	1342.9	1254.9	1167.0	1075.6	1011.4	957.3	926.8	926.8	926.8
42.5°	1322.6	1271.8	1214.3	1123.0	1045.2	967.4	903.1	862.5	828.7	832.1	825.3
45°	1129.8	1092.6	1048.6	987.7	923.4	862.5	808.4	778.0	750.9	754.3	750.9
47.5°	1031.7	997.8	947.1	899.8	842.3	788.1	740.8	703.6	683.3	686.7	679.9
50°	994.5	953.9	896.4	832.1	778.0	723.9	676.5	649.4	629.2	632.5	629.2
52.5°	1008.0	943.7	862.5	784.7	720.5	666.4	629.2	598.7	585.2	588.6	581.8
55°	1095.9	984.3	862.5	764.5	683.3	622.4	585.2	551.4	537.8	537.8	537.8
57.5°	1126.4	1004.6	852.4	740.8	652.8	591.9	548.0	514.1	500.6	500.6	500.6
60°	1055.4	950.5	811.8	706.9	625.8	568.3	531.1	507.4	497.2	497.2	497.2
62.5°	903.1	835.5	730.6	646.1	585.2	534.4	497.2	466.8	456.6	453.3	453.3
65°	818.6	754.3	666.4	595.3	541.2	500.6	466.8	443.1	429.6	429.6	429.6
67.5°	764.5	703.6	622.4	554.7	504.0	460.0	429.6	405.9	399.1	395.8	395.8
70°	703.6	646.1	564.9	504.0	456.6	419.4	389.0	368.7	361.9	361.9	358.5
72.5°	642.7	588.6	510.8	453.3	409.3	375.5	348.4	331.5	324.7	321.3	321.3
75°	585.2	531.1	460.0	405.9	365.3	334.9	311.2	294.3	287.5	287.5	287.5
77.5°	531.1	480.3	412.7	361.9	328.1	297.7	277.4	263.8	257.1	257.1	257.1
80°	480.3	429.6	368.7	321.3	287.5	263.8	246.9	233.4	226.6	230.0	226.6
82.5°	426.2	385.6	328.1	284.1	257.1	233.4	216.5	206.3	199.6	203.0	199.6
85°	382.2	341.6	287.5	250.3	223.2	203.0	189.4	179.3	172.5	175.9	172.5
87.5°	338.3	301.0	253.7	219.9	196.2	179.3	162.4	155.6	152.2	152.2	148.8
90°	290.9	257.1	216.5	189.4	165.7	152.2	138.7	131.9	128.5	125.2	125.2
92.5°	257.1	230.0	192.8	169.1	148.8	138.7	125.2	118.4	115.0	115.0	115.0
95°	226.6	203.0	172.5	152.2	138.7	125.2	115.0	111.6	108.2	108.2	104.9
97.5°	196.2	175.9	155.6	138.7	125.2	115.0	104.9	101.5	98.1	98.1	98.1
100°	165.7	152.2	135.3	121.8	111.6	104.9	94.7	91.3	87.9	87.9	87.9
102.5°	138.7	128.5	115.0	104.9	98.1	91.3	84.6	81.2	77.8	77.8	77.8
105°	121.8	111.6	104.9	94.7	87.9	81.2	77.8	71.0	67.7	67.7	67.7
107.5°	111.6	104.9	98.1	91.3	84.6	77.8	71.0	64.3	60.9	60.9	60.9
110°	108.2	101.5	94.7	87.9	81.2	74.4	71.0	60.9	57.5	57.5	57.5



REPORT NUMBER: P691798
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	108.2	104.9	98.1	91.3	84.6	77.8	71.0	57.5	54.1	54.1	54.1
115°	115.0	108.2	101.5	94.7	87.9	81.2	74.4	57.5	54.1	54.1	54.1
117.5°	125.2	118.4	108.2	101.5	94.7	84.6	74.4	60.9	54.1	54.1	54.1
120°	142.1	131.9	121.8	111.6	101.5	91.3	77.8	60.9	50.7	54.1	54.1
122.5°	162.4	152.2	135.3	121.8	111.6	98.1	81.2	64.3	50.7	54.1	54.1
125°	189.4	175.9	155.6	138.7	121.8	104.9	84.6	64.3	50.7	54.1	57.5
127.5°	219.9	199.6	175.9	152.2	131.9	111.6	91.3	67.7	50.7	57.5	57.5
130°	253.7	230.0	199.6	169.1	145.4	118.4	94.7	67.7	54.1	54.1	54.1
132.5°	290.9	257.1	216.5	182.7	152.2	121.8	94.7	67.7	54.1	54.1	54.1
135°	318.0	277.4	233.4	192.8	159.0	125.2	98.1	67.7	50.7	50.7	50.7
137.5°	341.6	294.3	246.9	199.6	162.4	125.2	94.7	64.3	50.7	47.4	47.4
140°	355.2	301.0	246.9	199.6	159.0	121.8	87.9	60.9	44.0	44.0	44.0
142.5°	355.2	297.7	243.5	192.8	148.8	115.0	84.6	54.1	40.6	40.6	40.6
145°	341.6	284.1	230.0	182.7	138.7	104.9	74.4	50.7	37.2	37.2	37.2
147.5°	318.0	260.5	209.7	165.7	121.8	91.3	64.3	40.6	30.4	30.4	30.4
150°	284.1	230.0	182.7	142.1	104.9	74.4	54.1	33.8	23.7	23.7	23.7
152.5°	236.8	192.8	148.8	118.4	84.6	60.9	40.6	27.1	20.3	20.3	20.3
155°	186.0	152.2	118.4	91.3	64.3	44.0	30.4	20.3	13.5	13.5	13.5
157.5°	142.1	115.0	87.9	67.7	47.4	33.8	23.7	13.5	10.1	10.1	10.1
160°	98.1	77.8	60.9	47.4	30.4	23.7	16.9	10.1	6.8	6.8	6.8
162.5°	64.3	50.7	37.2	27.1	20.3	13.5	10.1	6.8	3.4	3.4	3.4
165°	30.4	23.7	20.3	13.5	10.1	6.8	3.4	3.4	0.0	0.0	0.0
167.5°	10.1	6.8	6.8	3.4	3.4	3.4	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)