

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: P691882

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691882
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-D-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8134 lumens
Efficiency: N/A
Efficacy: 115.9 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): 70.2
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



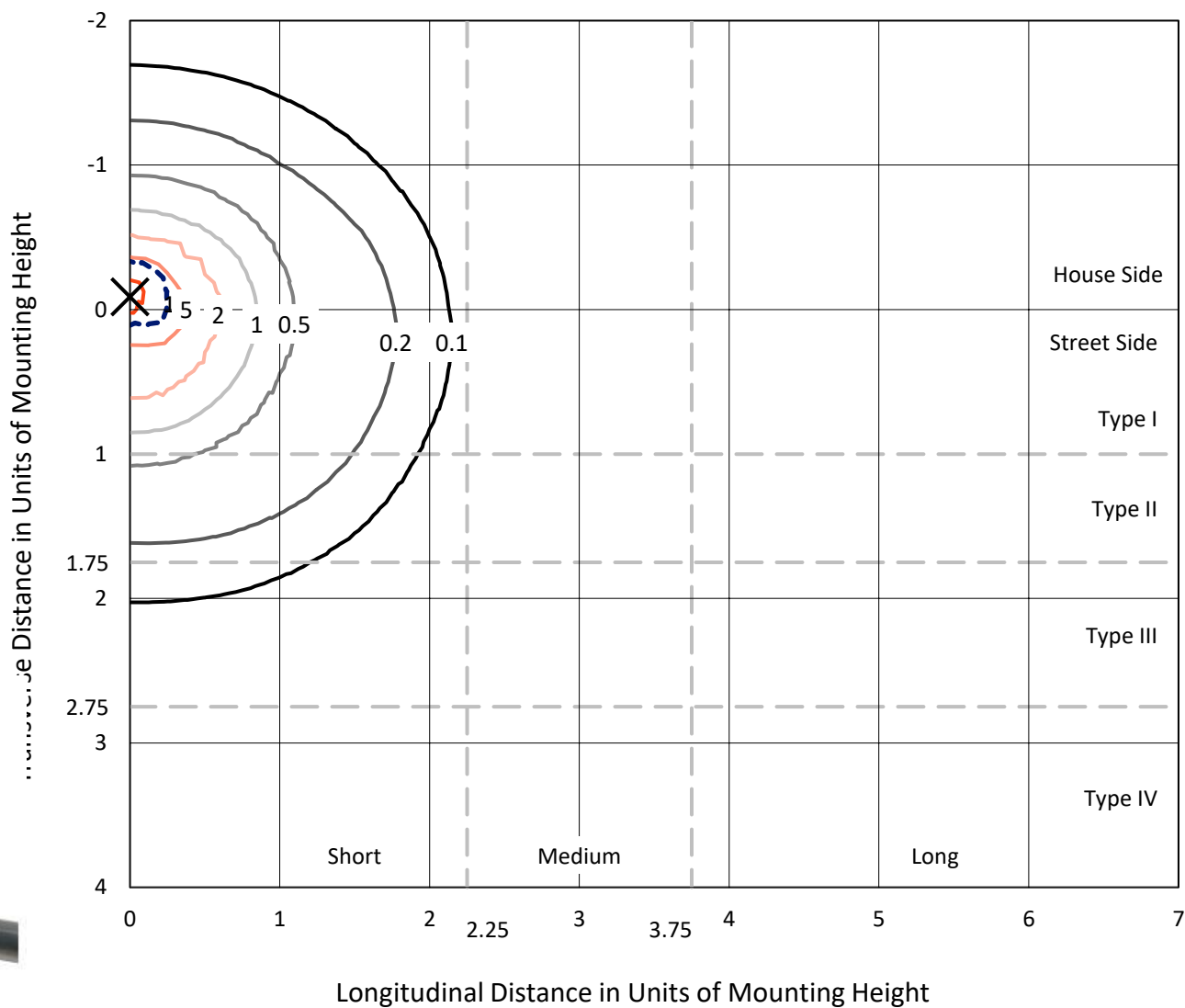
REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



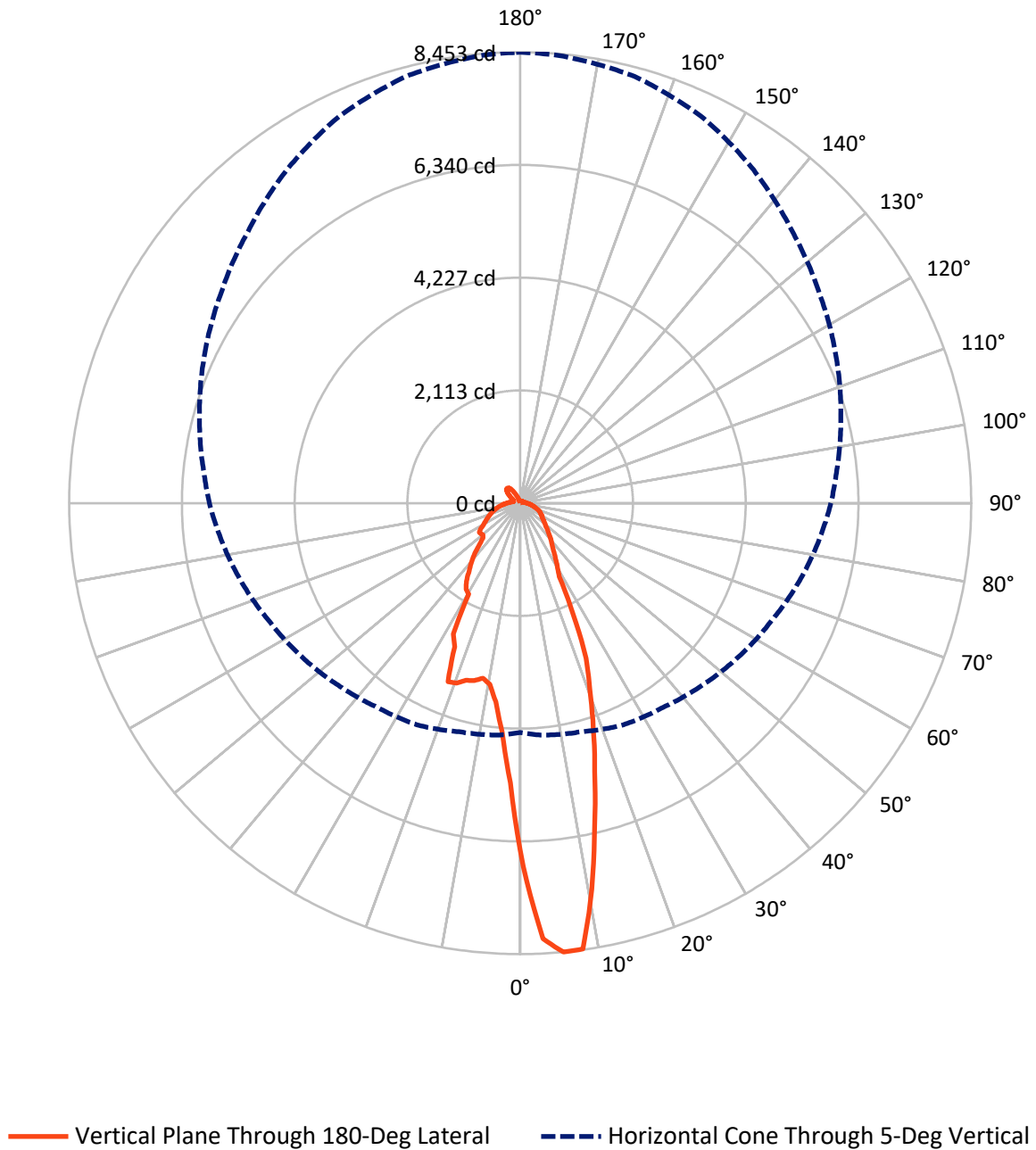
Based on 25 foot mounting height. Maximum calculated value = 13.2 fc

Type I - Short - N/A

REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

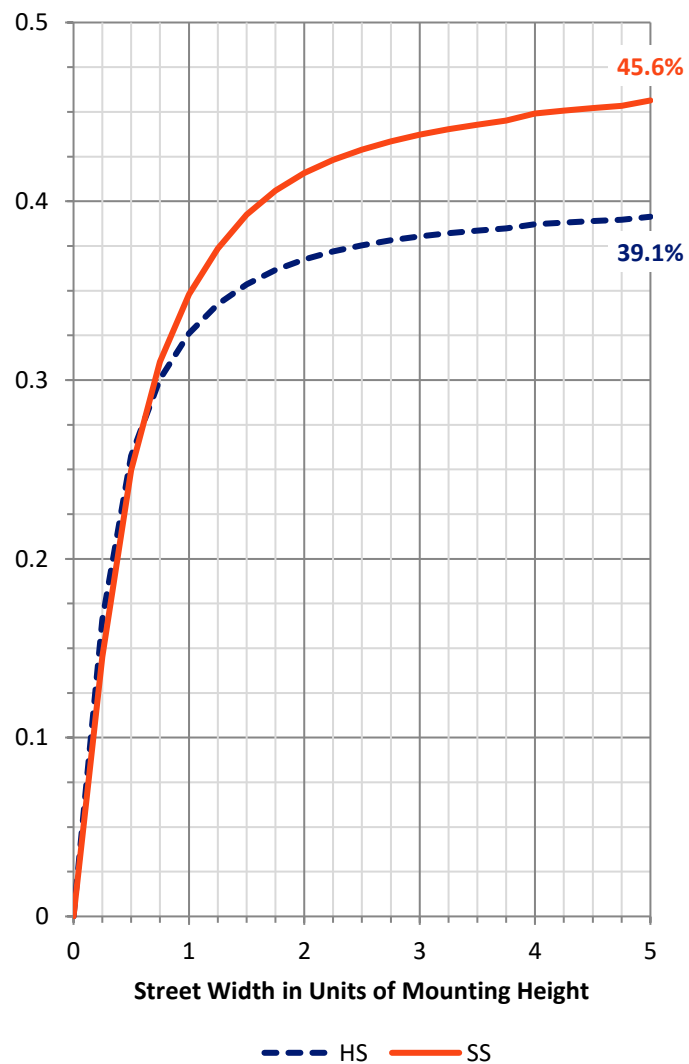
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3269.2	350.5	3619.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3815.1	699.2	4514.3
	% Fixture	46.9	8.6	55.5
Total	Lumens	7084.3	1049.7	8134.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.8	6.7
10°-20°	1172.6	14.4
20°-30°	1291.2	15.9
30°-40°	948.7	11.7
40°-50°	794.9	9.8
50°-60°	797.6	9.8
60°-70°	683.0	8.4
70°-80°	508.9	6.3
80°-90°	340.5	4.2
90°-100°	202.3	2.5
100°-110°	117.4	1.4
110°-120°	109.2	1.3
120°-130°	158.4	1.9
130°-140°	213.2	2.6
140°-150°	172.6	2.1
150°-160°	68.2	0.8
160°-170°	8.3	0.1
170°-180°	0.0	0.0
0°-90°	7084.3	87.1
0°-180°	8134.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691882

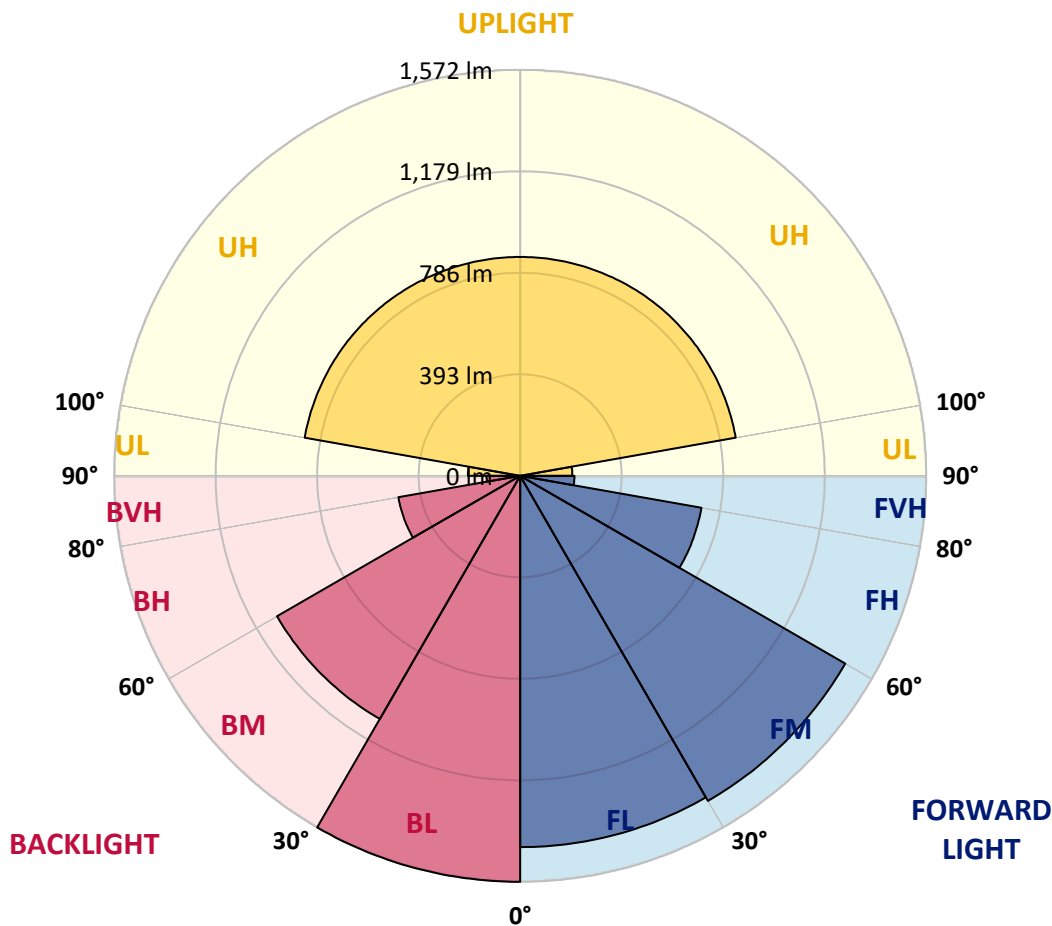
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1438.2	17.7			
FM	(30°-60°)	1453.9	17.9			
FH	(60°-80°)	712.8	8.8			G1/1800
FVH	(80°-90°)	210.2	2.6			G2/225
BL	(0°-30°)	1572.4	19.3	B3/2500		
BM	(30°-60°)	1087.4	13.4	B2/2500		
BH	(60°-80°)	479.1	5.9	B1/500		G1/500
BVH	(80°-90°)	130.3	1.6			G2/225
UL	(90°-100°)	202.3	2.5		U3/500	
UH	(100°-180°)	847.5	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9
2.5°	5245.6	5323.1	5361.9	5478.2	5516.9	5591.2	5704.3	5817.3	6007.9	6150.0	6259.8
5°	4299.2	4363.8	4434.9	4583.4	4670.6	4825.7	5006.6	5200.4	5445.9	5694.6	5823.8
7.5°	3746.9	3763.0	3866.4	4047.2	4205.5	4370.3	4567.3	4735.2	4903.2	5106.7	5235.9
10°	3443.2	3465.8	3533.7	3672.6	3808.2	3943.9	4098.9	4228.1	4399.3	4570.5	4648.0
12.5°	3352.8	3362.5	3420.6	3501.4	3588.6	3675.8	3795.3	3911.6	4063.4	4212.0	4263.7
15°	3433.5	3433.5	3443.2	3475.5	3520.8	3588.6	3679.0	3779.2	3918.0	4027.9	4082.8
17.5°	3472.3	3475.5	3501.4	3507.8	3549.8	3578.9	3659.6	3737.2	3869.6	3960.0	3989.1
20°	3575.7	3575.7	3578.9	3595.0	3601.5	3617.7	3653.2	3695.2	3805.0	3853.4	3847.0
22.5°	3608.0	3595.0	3646.7	3740.4	3737.2	3740.4	3708.1	3717.8	3779.2	3759.8	3714.6
25°	2962.0	2945.8	3003.9	3062.1	3146.1	3252.7	3517.5	3724.2	3801.8	3740.4	3640.3
27.5°	2755.2	2684.2	2668.0	2529.1	2403.2	2196.4	2177.1	2047.8	2034.9	2115.7	2190.0
30°	1957.4	1960.6	1957.4	1944.5	1934.8	1944.5	1954.2	1931.6	1938.0	1989.7	1967.1
32.5°	1909.0	1909.0	1896.0	1889.6	1860.5	1850.8	1834.7	1792.7	1799.1	1837.9	1828.2
35°	1779.8	1773.3	1776.5	1760.4	1708.7	1666.7	1660.2	1624.7	1624.7	1647.3	1637.6
37.5°	1586.0	1576.3	1615.0	1611.8	1569.8	1553.7	1537.5	1514.9	1514.9	1534.3	1514.9
40°	1434.1	1427.7	1469.7	1482.6	1456.8	1463.2	1466.4	1447.1	1466.4	1469.7	1443.8
42.5°	1272.6	1269.4	1304.9	1301.7	1279.1	1275.9	1272.6	1259.7	1292.0	1317.9	1298.5
45°	1082.1	1072.4	1098.2	1107.9	1101.4	1091.8	1088.5	1088.5	1107.9	1120.8	1101.4
47.5°	956.1	959.3	978.7	1001.3	1007.8	1014.2	1011.0	1004.5	1017.5	1020.7	1004.5
50°	914.1	917.3	946.4	972.2	991.6	1004.5	1004.5	994.9	1004.5	994.9	972.2
52.5°	933.5	933.5	972.2	1011.0	1043.3	1065.9	1069.1	1056.2	1056.2	1030.4	994.9
55°	939.9	946.4	998.1	1062.7	1120.8	1182.2	1211.3	1201.6	1211.3	1156.4	1098.2
57.5°	878.6	894.7	946.4	1023.9	1101.4	1198.3	1259.7	1266.2	1262.9	1214.5	1143.4
60°	797.8	810.7	846.3	914.1	988.4	1065.9	1127.3	1140.2	1153.1	1130.5	1065.9
62.5°	742.9	749.4	778.4	826.9	878.6	920.6	943.2	939.9	952.9	946.4	898.0
65°	694.5	697.7	730.0	768.8	801.1	843.0	849.5	849.5	859.2	846.3	807.5
67.5°	642.8	642.8	668.6	704.2	742.9	778.4	788.1	791.4	804.3	791.4	762.3
70°	597.6	597.6	620.2	649.2	678.3	713.8	723.5	726.8	742.9	726.8	697.7
72.5°	555.6	555.6	574.9	600.8	626.6	655.7	665.4	668.6	681.5	665.4	642.8
75°	510.3	513.6	529.7	552.3	574.9	600.8	613.7	613.7	623.4	604.0	584.6
77.5°	465.1	468.4	484.5	503.9	523.3	549.1	555.6	558.8	568.5	549.1	529.7
80°	419.9	426.4	439.3	455.4	474.8	494.2	507.1	507.1	513.6	494.2	481.3
82.5°	377.9	384.4	394.1	407.0	426.4	445.7	458.7	458.7	461.9	445.7	429.6
85°	335.9	342.4	352.1	361.8	377.9	397.3	410.2	410.2	413.4	397.3	384.4
87.5°	297.2	303.6	310.1	319.8	332.7	352.1	365.0	365.0	365.0	352.1	339.2
90°	258.4	261.6	268.1	277.8	290.7	306.9	316.5	319.8	319.8	303.6	297.2
92.5°	229.3	229.3	235.8	242.3	255.2	268.1	277.8	281.0	281.0	271.3	261.6
95°	197.0	200.3	203.5	210.0	219.6	229.3	242.3	242.3	242.3	235.8	229.3
97.5°	174.4	171.2	174.4	177.7	187.3	193.8	203.5	206.7	206.7	200.3	197.0
100°	148.6	151.8	151.8	155.0	158.3	161.5	168.0	171.2	171.2	168.0	168.0
102.5°	138.9	135.7	135.7	135.7	135.7	135.7	138.9	138.9	142.1	138.9	135.7
105°	129.2	129.2	129.2	129.2	126.0	126.0	126.0	126.0	122.7	119.5	119.5
107.5°	126.0	126.0	126.0	126.0	122.7	122.7	119.5	119.5	116.3	113.1	109.8
110°	126.0	126.0	126.0	126.0	122.7	119.5	119.5	116.3	113.1	109.8	106.6

REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	132.4	132.4	132.4	132.4	126.0	122.7	119.5	119.5	113.1	109.8	106.6
115°	145.4	145.4	142.1	142.1	138.9	132.4	129.2	126.0	122.7	116.3	113.1
117.5°	158.3	158.3	158.3	158.3	155.0	148.6	142.1	138.9	135.7	126.0	122.7
120°	180.9	180.9	180.9	184.1	177.7	171.2	164.7	158.3	155.0	145.4	138.9
122.5°	210.0	206.7	213.2	216.4	213.2	203.5	193.8	187.3	180.9	168.0	161.5
125°	239.0	239.0	245.5	255.2	255.2	245.5	232.6	222.9	216.4	197.0	187.3
127.5°	274.6	274.6	284.2	300.4	303.6	293.9	281.0	268.1	258.4	232.6	222.9
130°	306.9	306.9	326.2	345.6	355.3	345.6	332.7	316.5	303.6	274.6	258.4
132.5°	332.7	335.9	358.5	384.4	397.3	394.1	377.9	365.0	352.1	316.5	297.2
135°	358.5	361.8	387.6	419.9	436.1	436.1	423.1	407.0	390.8	352.1	329.5
137.5°	371.5	374.7	407.0	439.3	458.7	465.1	458.7	442.5	426.4	384.4	355.3
140°	371.5	377.9	410.2	442.5	461.9	471.6	471.6	455.4	439.3	400.5	371.5
142.5°	361.8	368.2	397.3	429.6	449.0	461.9	465.1	452.2	436.1	397.3	368.2
145°	342.4	345.6	374.7	403.8	423.1	439.3	445.7	436.1	416.7	384.4	355.3
147.5°	310.1	310.1	335.9	358.5	384.4	400.5	410.2	403.8	387.6	358.5	332.7
150°	264.9	264.9	284.2	306.9	329.5	348.8	358.5	358.5	342.4	319.8	293.9
152.5°	210.0	213.2	226.1	245.5	268.1	284.2	297.2	297.2	287.5	268.1	245.5
155°	161.5	161.5	171.2	184.1	203.5	219.6	229.3	229.3	222.9	206.7	193.8
157.5°	116.3	116.3	122.7	135.7	148.6	161.5	171.2	171.2	164.7	155.0	145.4
160°	77.5	77.5	80.8	90.4	100.1	109.8	116.3	119.5	116.3	109.8	100.1
162.5°	42.0	42.0	45.2	51.7	58.1	67.8	71.1	74.3	74.3	67.8	64.6
165°	12.9	12.9	12.9	19.4	22.6	29.1	32.3	35.5	35.5	35.5	32.3
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	6.5	9.7	9.7	9.7	9.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9	6808.9
2.5°	6363.2	6602.2	6867.1	7138.4	7416.2	7677.8	7897.5	8071.9	8165.6	8188.2	8175.2
5°	5940.1	6221.1	6531.2	6847.7	7209.5	7626.1	8007.3	8281.8	8424.0	8446.6	8453.0
7.5°	5336.0	5581.5	5885.1	6250.1	6705.6	7151.3	7739.2	8149.4	8378.7	8440.1	8440.1
10°	4699.7	4916.1	5106.7	5426.5	5823.8	6240.5	6741.1	7119.0	7351.6	7425.9	7361.3
12.5°	4341.2	4434.9	4564.1	4799.8	5048.6	5365.1	5797.9	6043.4	6195.2	6240.5	6201.7
15°	4111.8	4160.3	4215.2	4315.3	4489.8	4686.8	4942.0	5093.8	5187.5	5242.4	5223.0
17.5°	4002.0	4002.0	3992.3	4014.9	4060.2	4150.6	4325.0	4379.9	4421.9	4444.5	4431.6
20°	3834.1	3782.4	3740.4	3675.8	3650.0	3646.7	3688.7	3746.9	3743.6	3746.9	3721.0
22.5°	3666.1	3559.5	3456.2	3359.2	3249.4	3194.5	3155.8	3175.1	3159.0	3175.1	3159.0
25°	3585.4	3368.9	3162.2	2926.4	2729.4	2577.6	2477.4	2416.1	2312.7	2351.5	2315.9
27.5°	2225.5	2135.1	2047.8	1873.4	1708.7	1650.6	1602.1	1576.3	1556.9	1566.6	1560.1
30°	1928.3	1854.0	1786.2	1695.8	1569.8	1492.3	1434.1	1382.5	1366.3	1369.5	1366.3
32.5°	1789.4	1731.3	1647.3	1553.7	1440.6	1343.7	1275.9	1227.4	1201.6	1217.7	1204.8
35°	1602.1	1544.0	1472.9	1385.7	1288.8	1201.6	1137.0	1091.8	1062.7	1069.1	1065.9
37.5°	1479.4	1424.5	1363.1	1269.4	1185.4	1101.4	1036.8	991.6	962.6	969.0	962.6
40°	1408.3	1346.9	1282.3	1198.3	1114.4	1027.2	965.8	914.1	885.0	885.0	885.0
42.5°	1262.9	1214.5	1159.6	1072.4	998.1	923.8	862.4	823.7	791.4	794.6	788.1
45°	1078.8	1043.3	1001.3	943.2	881.8	823.7	772.0	742.9	717.1	720.3	717.1
47.5°	985.2	952.9	904.4	859.2	804.3	752.6	707.4	671.8	652.5	655.7	649.2
50°	949.6	910.9	856.0	794.6	742.9	691.2	646.0	620.2	600.8	604.0	600.8
52.5°	962.6	901.2	823.7	749.4	688.0	636.3	600.8	571.7	558.8	562.0	555.6
55°	1046.5	939.9	823.7	730.0	652.5	594.3	558.8	526.5	513.6	513.6	513.6
57.5°	1075.6	959.3	814.0	707.4	623.4	565.3	523.3	491.0	478.0	478.0	478.0
60°	1007.8	907.6	775.2	675.1	597.6	542.6	507.1	484.5	474.8	474.8	474.8
62.5°	862.4	797.8	697.7	616.9	558.8	510.3	474.8	445.7	436.1	432.8	432.8
65°	781.7	720.3	636.3	568.5	516.8	478.0	445.7	423.1	410.2	410.2	410.2
67.5°	730.0	671.8	594.3	529.7	481.3	439.3	410.2	387.6	381.1	377.9	377.9
70°	671.8	616.9	539.4	481.3	436.1	400.5	371.5	352.1	345.6	345.6	342.4
72.5°	613.7	562.0	487.7	432.8	390.8	358.5	332.7	316.5	310.1	306.9	306.9
75°	558.8	507.1	439.3	387.6	348.8	319.8	297.2	281.0	274.6	274.6	274.6
77.5°	507.1	458.7	394.1	345.6	313.3	284.2	264.9	251.9	245.5	245.5	245.5
80°	458.7	410.2	352.1	306.9	274.6	251.9	235.8	222.9	216.4	219.6	216.4
82.5°	407.0	368.2	313.3	271.3	245.5	222.9	206.7	197.0	190.6	193.8	190.6
85°	365.0	326.2	274.6	239.0	213.2	193.8	180.9	171.2	164.7	168.0	164.7
87.5°	323.0	287.5	242.3	210.0	187.3	171.2	155.0	148.6	145.4	145.4	142.1
90°	277.8	245.5	206.7	180.9	158.3	145.4	132.4	126.0	122.7	119.5	119.5
92.5°	245.5	219.6	184.1	161.5	142.1	132.4	119.5	113.1	109.8	109.8	109.8
95°	216.4	193.8	164.7	145.4	132.4	119.5	109.8	106.6	103.4	103.4	100.1
97.5°	187.3	168.0	148.6	132.4	119.5	109.8	100.1	96.9	93.7	93.7	93.7
100°	158.3	145.4	129.2	116.3	106.6	100.1	90.4	87.2	84.0	84.0	84.0
102.5°	132.4	122.7	109.8	100.1	93.7	87.2	80.8	77.5	74.3	74.3	74.3
105°	116.3	106.6	100.1	90.4	84.0	77.5	74.3	67.8	64.6	64.6	64.6
107.5°	106.6	100.1	93.7	87.2	80.8	74.3	67.8	61.4	58.1	58.1	58.1
110°	103.4	96.9	90.4	84.0	77.5	71.1	67.8	58.1	54.9	54.9	54.9

REPORT NUMBER: P691882

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	103.4	100.1	93.7	87.2	80.8	74.3	67.8	54.9	51.7	51.7	51.7
115°	109.8	103.4	96.9	90.4	84.0	77.5	71.1	54.9	51.7	51.7	51.7
117.5°	119.5	113.1	103.4	96.9	90.4	80.8	71.1	58.1	51.7	51.7	51.7
120°	135.7	126.0	116.3	106.6	96.9	87.2	74.3	58.1	48.5	51.7	51.7
122.5°	155.0	145.4	129.2	116.3	106.6	93.7	77.5	61.4	48.5	51.7	51.7
125°	180.9	168.0	148.6	132.4	116.3	100.1	80.8	61.4	48.5	51.7	54.9
127.5°	210.0	190.6	168.0	145.4	126.0	106.6	87.2	64.6	48.5	54.9	54.9
130°	242.3	219.6	190.6	161.5	138.9	113.1	90.4	64.6	51.7	51.7	51.7
132.5°	277.8	245.5	206.7	174.4	145.4	116.3	90.4	64.6	51.7	51.7	51.7
135°	303.6	264.9	222.9	184.1	151.8	119.5	93.7	64.6	48.5	48.5	48.5
137.5°	326.2	281.0	235.8	190.6	155.0	119.5	90.4	61.4	48.5	45.2	45.2
140°	339.2	287.5	235.8	190.6	151.8	116.3	84.0	58.1	42.0	42.0	42.0
142.5°	339.2	284.2	232.6	184.1	142.1	109.8	80.8	51.7	38.8	38.8	38.8
145°	326.2	271.3	219.6	174.4	132.4	100.1	71.1	48.5	35.5	35.5	35.5
147.5°	303.6	248.7	200.3	158.3	116.3	87.2	61.4	38.8	29.1	29.1	29.1
150°	271.3	219.6	174.4	135.7	100.1	71.1	51.7	32.3	22.6	22.6	22.6
152.5°	226.1	184.1	142.1	113.1	80.8	58.1	38.8	25.8	19.4	19.4	19.4
155°	177.7	145.4	113.1	87.2	61.4	42.0	29.1	19.4	12.9	12.9	12.9
157.5°	135.7	109.8	84.0	64.6	45.2	32.3	22.6	12.9	9.7	9.7	9.7
160°	93.7	74.3	58.1	45.2	29.1	22.6	16.2	9.7	6.5	6.5	6.5
162.5°	61.4	48.5	35.5	25.8	19.4	12.9	9.7	6.5	3.2	3.2	3.2
165°	29.1	22.6	19.4	12.9	9.7	6.5	3.2	3.2	0.0	0.0	0.0
167.5°	9.7	6.5	6.5	3.2	3.2	3.2	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)