

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: P691596

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7161.1 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 53.7
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

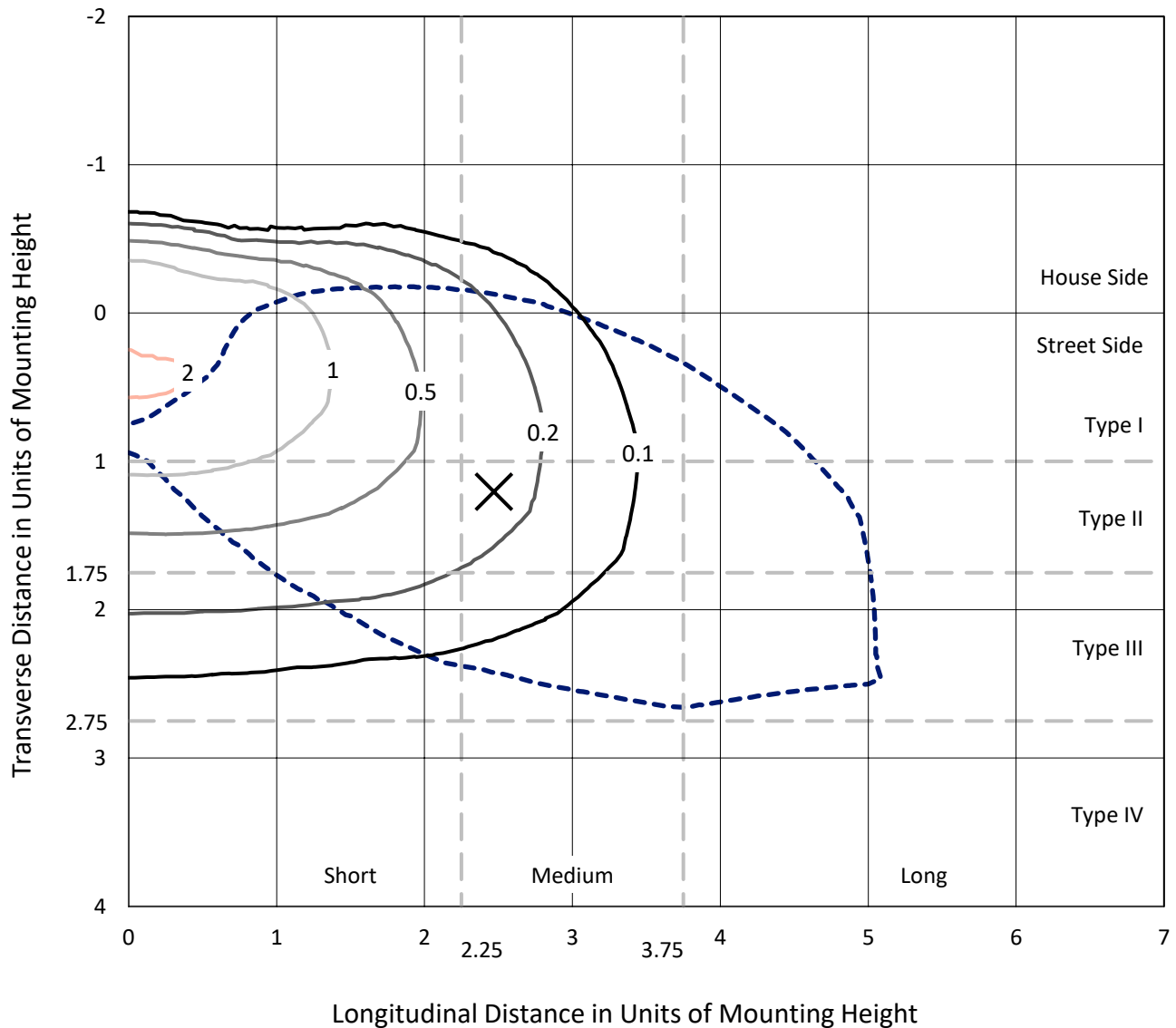


REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

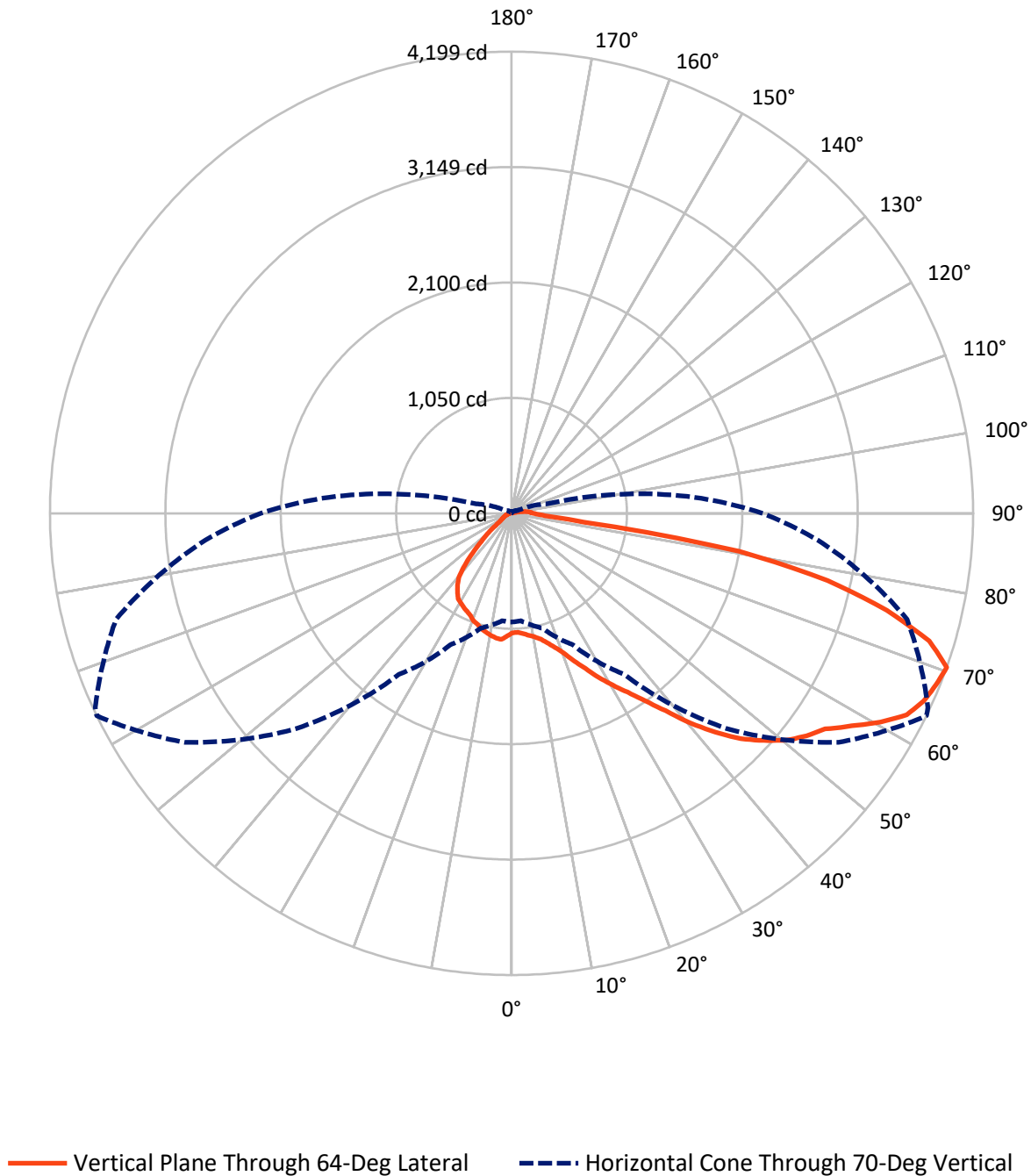


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

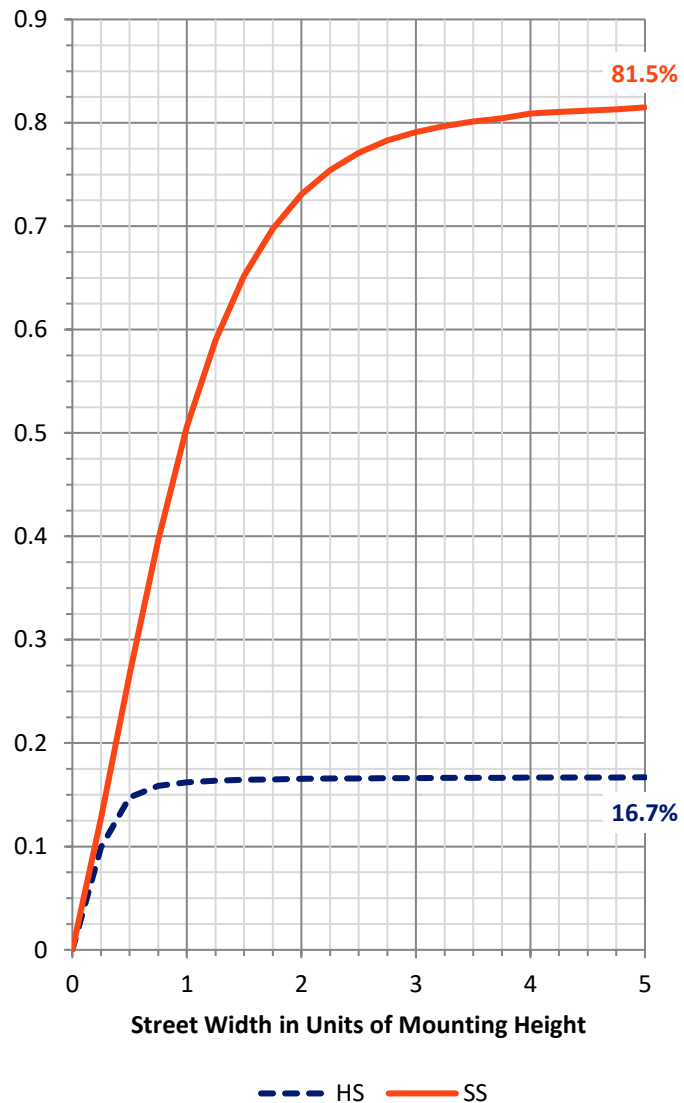
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.5	14.8	1229.3
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5871.4	60.4	5931.8
	% Fixture	82.0	0.8	82.8
Total	Lumens	7085.8	75.2	7161.1
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.5
10°-20°	330.0	4.6
20°-30°	570.5	8.0
30°-40°	846.6	11.8
40°-50°	1162.9	16.2
50°-60°	1412.3	19.7
60°-70°	1500.4	21.0
70°-80°	991.3	13.8
80°-90°	164.1	2.3
90°-100°	61.2	0.9
100°-110°	10.3	0.1
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7085.8	98.9
0°-180°	7161.1	100.0

Coefficient of Utilization



REPORT NUMBER: P691596

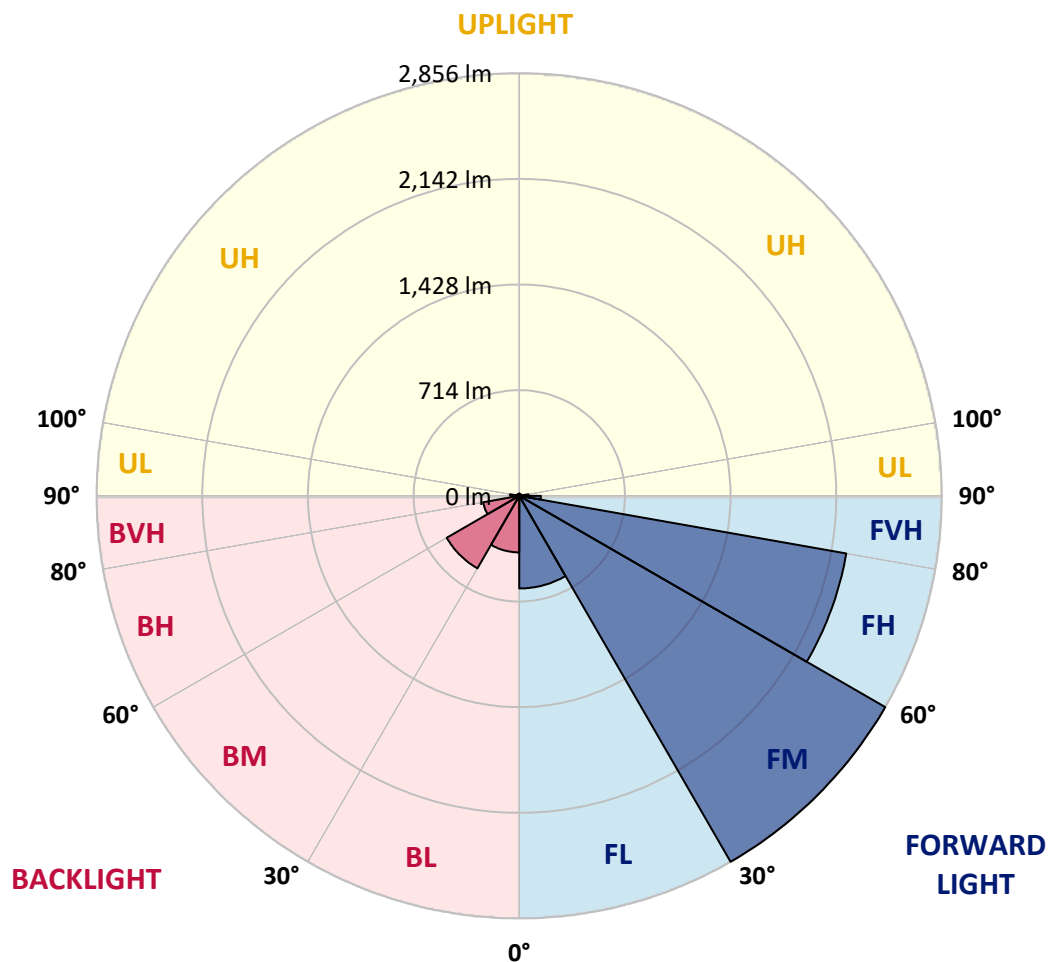
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	625.9	8.7			
FM	(30°-60°)	2855.7	39.9			
FH	(60°-80°)	2244.0	31.3			G2/5000
FVH	(80°-90°)	145.7	2.0			G2/225
BL	(0°-30°)	382.3	5.3	B1/500		
BM	(30°-60°)	566.1	7.9	B1/1000		
BH	(60°-80°)	247.6	3.5	B1/500		G1/500
BVH	(80°-90°)	18.4	0.3			G1/100
UL	(90°-100°)	61.2	0.9		U3/500	
UH	(100°-180°)	14.0	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3
2.5°	1094.0	1091.4	1094.0	1091.4	1088.8	1086.3	1083.7	1083.7	1081.2	1083.7	1086.3
5°	1142.7	1145.2	1140.1	1129.8	1117.0	1106.8	1101.7	1099.1	1099.1	1101.7	1111.9
7.5°	1178.5	1176.0	1173.4	1170.8	1160.6	1137.5	1124.7	1119.6	1119.6	1114.5	1132.4
10°	1242.6	1237.4	1224.6	1209.3	1199.0	1173.4	1150.3	1142.7	1140.1	1142.7	1158.0
12.5°	1311.7	1306.6	1304.1	1288.7	1252.8	1229.8	1191.3	1173.4	1173.4	1173.4	1181.1
15°	1411.7	1404.0	1378.4	1360.4	1329.7	1291.2	1247.7	1222.1	1222.1	1227.2	1206.7
17.5°	1483.4	1478.3	1475.7	1445.0	1419.3	1360.4	1327.1	1283.6	1283.6	1293.8	1250.3
20°	1557.7	1552.6	1555.1	1550.0	1511.6	1465.5	1406.5	1355.3	1355.3	1357.9	1296.4
22.5°	1657.6	1649.9	1649.9	1647.4	1626.9	1573.1	1503.9	1460.3	1452.7	1432.2	1355.3
25°	1757.5	1755.0	1749.8	1752.4	1747.3	1685.8	1611.5	1562.8	1562.8	1534.6	1434.7
27.5°	1857.4	1857.4	1854.9	1857.4	1854.9	1816.5	1742.2	1690.9	1693.5	1657.6	1521.8
30°	1929.2	1926.6	1944.6	1952.2	1957.4	1942.0	1870.3	1813.9	1819.0	1783.1	1624.3
32.5°	1995.8	1993.2	2024.0	2041.9	2047.0	2044.5	1985.5	1939.4	1952.2	1918.9	1747.3
35°	2057.3	2054.7	2095.7	2141.8	2162.3	2157.2	2118.8	2093.2	2106.0	2103.4	1913.8
37.5°	2103.4	2111.1	2164.9	2228.9	2264.8	2267.4	2249.4	2277.6	2293.0	2344.2	2121.3
40°	2157.2	2157.2	2208.4	2277.6	2341.7	2367.3	2382.7	2510.8	2526.1	2536.4	2259.7
42.5°	2100.8	2116.2	2226.4	2328.9	2410.8	2469.8	2554.3	2720.8	2754.1	2677.3	2428.8
45°	2057.3	2070.1	2182.8	2354.5	2472.3	2582.5	2741.3	2925.8	2951.4	2818.2	2518.4
47.5°	2011.2	2031.7	2147.0	2336.5	2531.3	2720.8	2897.6	3087.2	3110.3	2938.6	2644.0
50°	1957.4	1980.4	2103.4	2310.9	2562.0	2851.5	3038.5	3243.5	3246.1	3043.7	2713.2
52.5°	1906.1	1921.5	2049.6	2277.6	2587.6	2951.4	3171.8	3361.3	3346.0	3176.9	2787.5
55°	1819.0	1849.8	1985.5	2231.5	2600.4	3007.8	3264.0	3461.3	3471.5	3320.3	2887.4
57.5°	1739.6	1760.1	1903.6	2164.9	2590.2	3041.1	3353.7	3648.3	3668.8	3448.4	2959.1
60°	1639.7	1652.5	1790.8	2072.7	2523.6	3097.5	3553.5	3855.8	3878.9	3571.4	2987.3
62.5°	1514.1	1514.1	1652.5	1949.7	2439.0	3138.4	3691.8	4035.1	4035.1	3668.8	2997.5
65°	1352.7	1360.4	1483.4	1783.1	2298.1	3115.4	3732.8	4119.7	4127.4	3738.0	2992.4
67.5°	1196.5	1193.9	1301.5	1565.4	2085.5	2995.0	3702.1	4163.2	4194.0	3778.9	2925.8
70°	988.9	981.2	1081.2	1319.4	1788.3	2767.0	3630.3	4199.1	4178.6	3725.1	2795.1
72.5°	760.9	753.2	827.5	1009.4	1409.1	2375.0	3420.3	3973.7	3937.8	3433.1	2526.1
75°	540.6	530.3	589.3	709.7	927.4	1737.0	2933.5	3525.3	3484.3	3087.2	2108.5
77.5°	307.4	297.2	351.0	448.3	561.1	983.8	2221.3	2938.6	2995.0	2546.6	1611.5
80°	135.8	130.7	153.7	215.2	315.1	468.8	1209.3	2100.8	2024.0	1737.0	917.2
82.5°	115.3	115.3	117.9	123.0	128.1	215.2	453.5	661.0	632.8	509.8	292.1
85°	99.9	97.4	102.5	107.6	110.2	140.9	263.9	317.7	312.6	281.8	202.4
87.5°	82.0	76.9	84.5	89.7	89.7	115.3	197.3	233.1	233.1	235.7	179.3
90°	71.7	71.7	66.6	66.6	69.2	82.0	151.2	192.1	197.3	243.4	207.5
92.5°	61.5	61.5	61.5	61.5	51.2	58.9	107.6	171.7	184.5	238.3	187.0
95°	58.9	56.4	58.9	53.8	51.2	53.8	82.0	151.2	166.5	210.1	164.0
97.5°	41.0	38.4	43.6	43.6	46.1	48.7	69.2	112.7	117.9	156.3	123.0
100°	28.2	25.6	25.6	25.6	33.3	33.3	56.4	69.2	71.7	99.9	82.0
102.5°	15.4	12.8	12.8	12.8	17.9	20.5	28.2	38.4	38.4	53.8	46.1
105°	5.1	5.1	7.7	7.7	7.7	10.2	10.2	12.8	12.8	15.4	20.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6



REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3	1086.3
2.5°	1088.8	1094.0	1106.8	1114.5	1124.7	1135.0	1142.7	1142.7	1150.3	1145.2	1142.7
5°	1122.2	1124.7	1140.1	1150.3	1147.8	1137.5	1129.8	1124.7	1127.3	1132.4	1132.4
7.5°	1145.2	1155.5	1142.7	1142.7	1140.1	1127.3	1111.9	1096.5	1088.8	1086.3	1086.3
10°	1158.0	1147.8	1142.7	1129.8	1101.7	1094.0	1081.2	1053.0	1045.3	1045.3	1035.0
12.5°	1165.7	1160.6	1132.4	1109.3	1083.7	1042.7	1014.6	1009.4	986.4	983.8	986.4
15°	1196.5	1170.8	1135.0	1091.4	1042.7	1006.9	968.4	927.4	909.5	912.1	914.6
17.5°	1216.9	1193.9	1129.8	1060.7	1017.1	950.5	906.9	883.9	855.7	855.7	855.7
20°	1250.3	1211.8	1122.2	1047.9	945.4	896.7	845.5	819.8	791.7	743.0	737.9
22.5°	1293.8	1245.1	1119.6	1009.4	917.2	837.8	763.5	684.1	643.1	614.9	607.2
25°	1347.6	1291.2	1137.5	991.5	863.4	766.0	671.2	563.6	486.8	471.4	471.4
27.5°	1439.8	1350.2	1160.6	973.6	832.6	686.6	538.0	443.2	376.6	356.1	353.6
30°	1529.5	1424.5	1168.3	955.6	773.7	579.0	415.0	315.1	256.2	230.6	225.5
32.5°	1670.4	1527.0	1234.9	940.3	707.1	466.3	294.6	199.8	151.2	135.8	133.2
35°	1813.9	1665.3	1257.9	899.3	586.7	340.7	169.1	107.6	82.0	69.2	66.6
37.5°	1998.4	1839.5	1327.1	855.7	466.3	194.7	94.8	58.9	51.2	51.2	51.2
40°	2106.0	1916.4	1388.6	799.3	320.2	99.9	56.4	46.1	46.1	43.6	43.6
42.5°	2244.3	2011.2	1442.4	689.2	169.1	61.5	48.7	43.6	38.4	38.4	38.4
45°	2323.7	2072.7	1424.5	553.4	79.4	56.4	46.1	38.4	35.9	35.9	35.9
47.5°	2421.1	2149.5	1386.0	409.9	69.2	51.2	43.6	35.9	33.3	35.9	35.9
50°	2518.4	2226.4	1288.7	315.1	64.0	48.7	38.4	30.7	30.7	33.3	33.3
52.5°	2567.1	2280.2	1173.4	217.8	64.0	46.1	35.9	30.7	28.2	28.2	28.2
55°	2623.5	2293.0	1076.0	143.5	61.5	43.6	33.3	25.6	25.6	23.1	23.1
57.5°	2654.2	2259.7	1004.3	120.4	58.9	41.0	30.7	23.1	20.5	17.9	17.9
60°	2641.4	2211.0	942.8	105.0	53.8	38.4	28.2	20.5	15.4	12.8	12.8
62.5°	2615.8	2170.0	830.1	92.2	51.2	33.3	23.1	17.9	12.8	10.2	10.2
65°	2587.6	2059.8	699.4	79.4	46.1	30.7	20.5	15.4	10.2	7.7	7.7
67.5°	2457.0	1913.8	512.4	71.7	43.6	28.2	17.9	12.8	10.2	7.7	7.7
70°	2285.3	1670.4	330.5	61.5	38.4	25.6	17.9	10.2	7.7	5.1	5.1
72.5°	1944.6	1363.0	166.5	53.8	35.9	25.6	15.4	10.2	7.7	5.1	2.6
75°	1588.4	1017.1	107.6	46.1	33.3	25.6	15.4	10.2	5.1	2.6	2.6
77.5°	1137.5	550.8	82.0	41.0	28.2	25.6	12.8	7.7	5.1	5.1	2.6
80°	474.0	199.8	66.6	33.3	25.6	23.1	12.8	7.7	5.1	5.1	2.6
82.5°	199.8	138.3	58.9	28.2	23.1	23.1	10.2	7.7	5.1	5.1	5.1
85°	156.3	115.3	51.2	25.6	20.5	25.6	10.2	7.7	7.7	7.7	7.7
87.5°	146.0	117.9	46.1	23.1	20.5	17.9	10.2	7.7	12.8	12.8	15.4
90°	164.0	123.0	35.9	20.5	17.9	15.4	7.7	5.1	5.1	0.0	0.0
92.5°	151.2	112.7	25.6	15.4	23.1	10.2	5.1	0.0	0.0	0.0	0.0
95°	130.7	94.8	15.4	10.2	25.6	12.8	2.6	0.0	0.0	0.0	0.0
97.5°	97.4	69.2	10.2	5.1	20.5	15.4	2.6	0.0	0.0	0.0	0.0
100°	69.2	43.6	7.7	5.1	12.8	15.4	2.6	0.0	0.0	0.0	0.0
102.5°	38.4	23.1	5.1	2.6	5.1	5.1	0.0	0.0	0.0	0.0	0.0
105°	17.9	7.7	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691596

CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	2.6	2.6	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)