

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: P690883

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8895 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

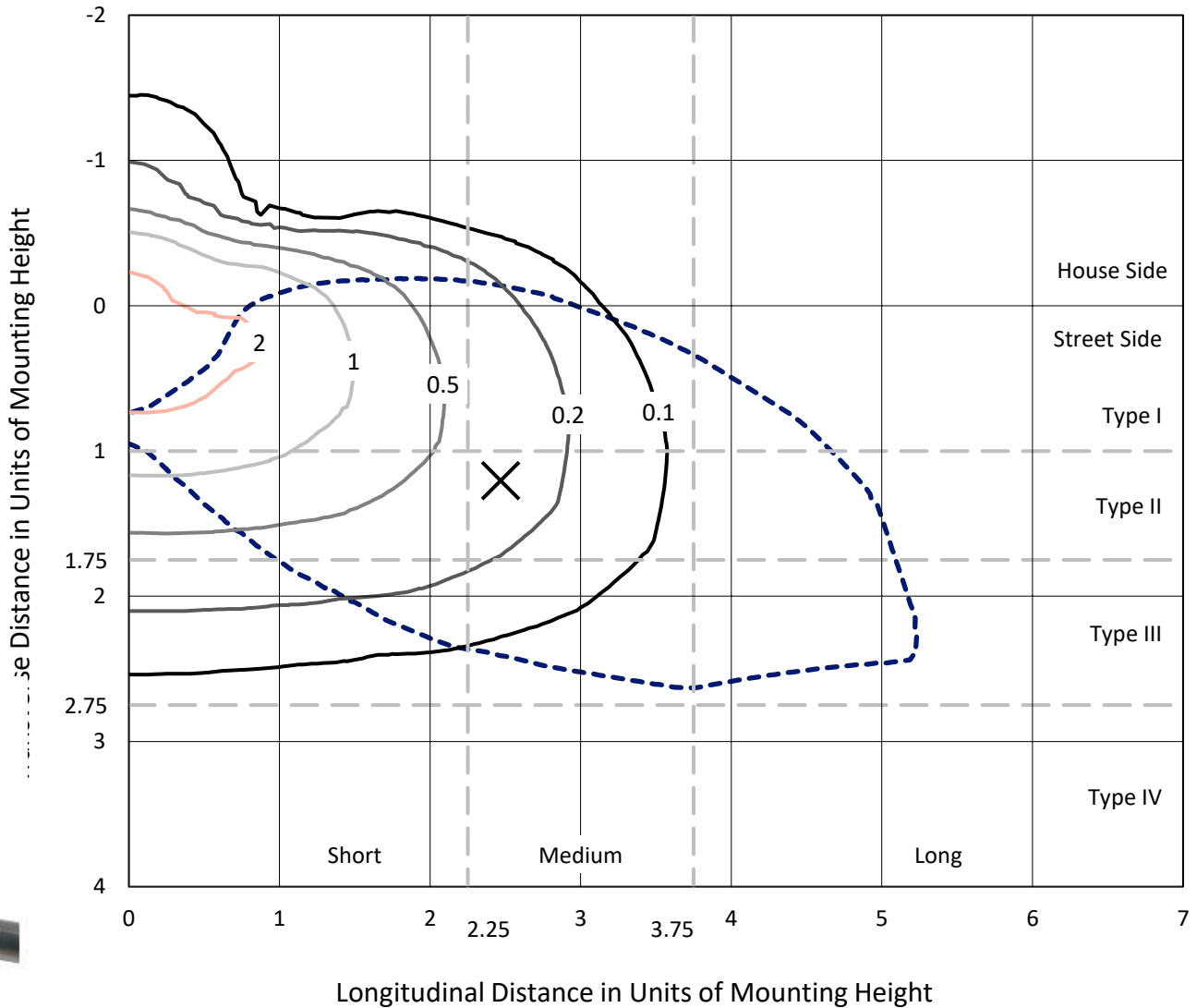
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

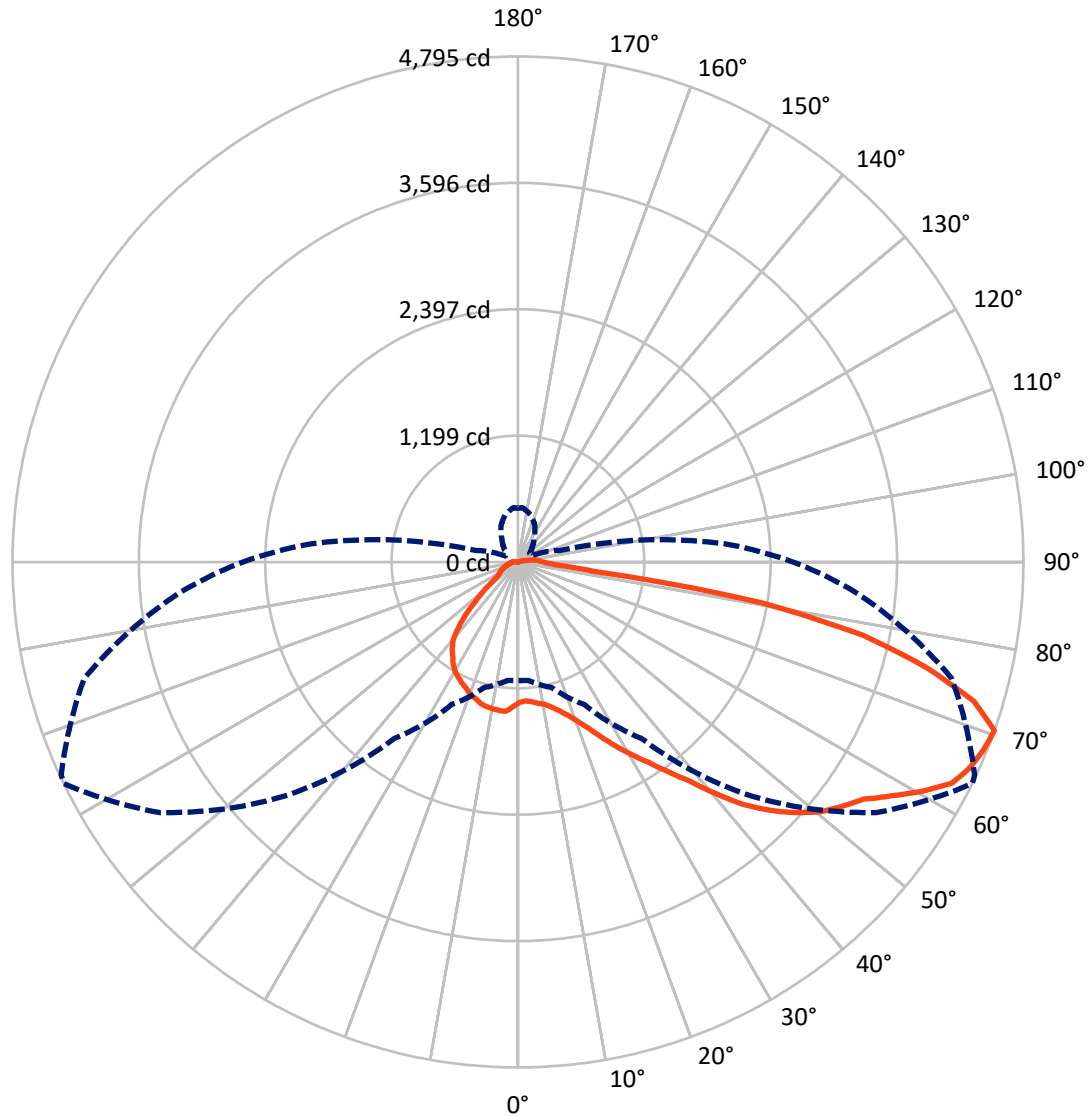
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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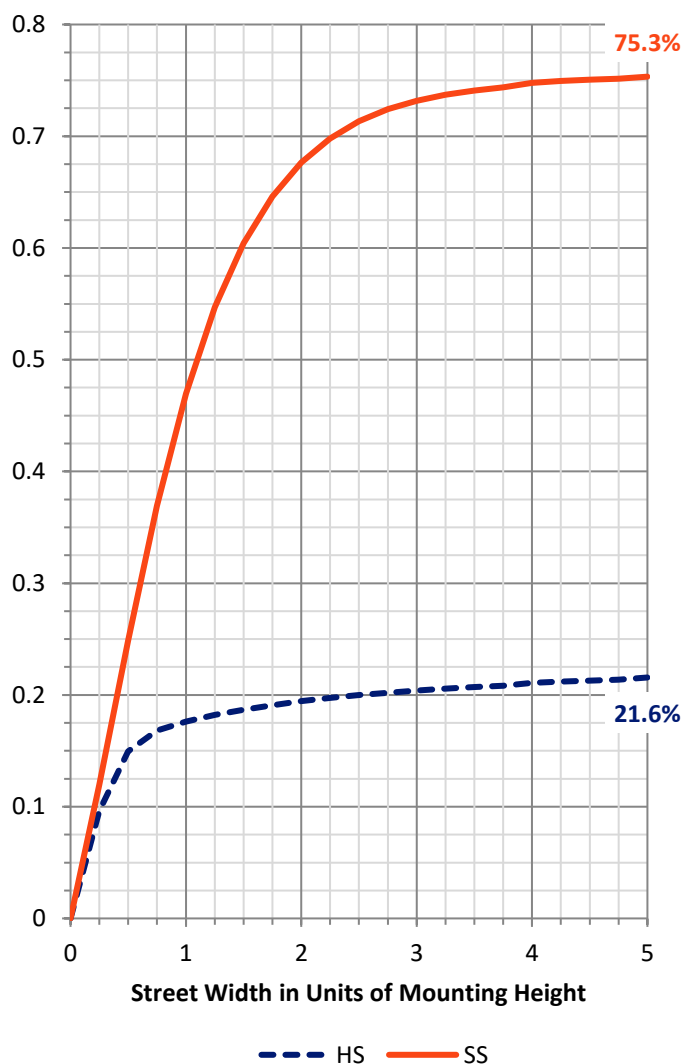
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.8	54.9	2082.7
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6741.3	70.9	6812.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	8769.1	125.9	8895.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.5
10°-20°	414.1	4.7
20°-30°	718.4	8.1
30°-40°	1042.6	11.7
40°-50°	1399.1	15.7
50°-60°	1691.7	19.0
60°-70°	1821.0	20.5
70°-80°	1250.7	14.1
80°-90°	298.4	3.4
90°-100°	108.0	1.2
100°-110°	13.5	0.2
110°-120°	1.0	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8769.1	98.6
0°-180°	8895.0	100.0

Coefficient of Utilization



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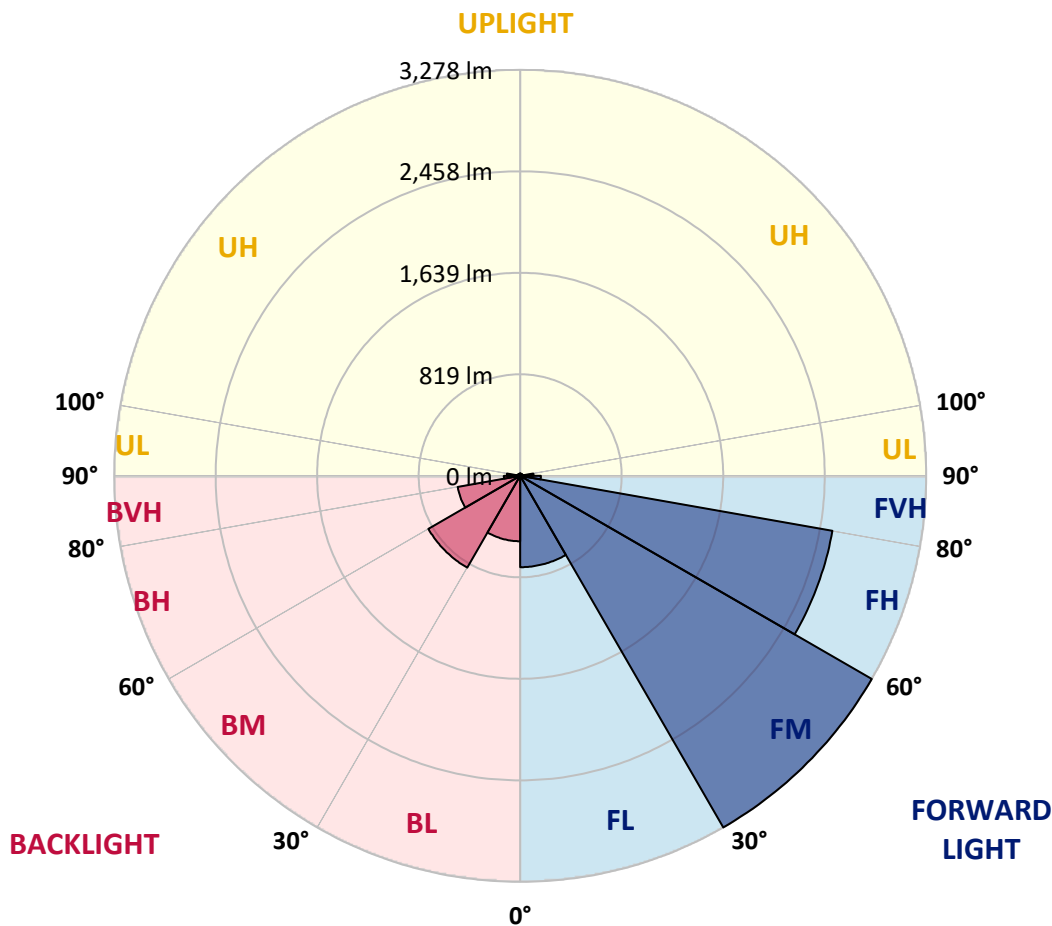
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.5	8.3			
FM (30°-60°)	3277.6	36.8			
FH (60°-80°)	2559.3	28.8			G2/5000
FVH (80°-90°)	166.9	1.9			G2/225
BL (0°-30°)	528.1	5.9	B2/1000		
BM (30°-60°)	855.8	9.6	B1/1000		
BH (60°-80°)	512.4	5.8	B2/1000		G2/1000
BVH (80°-90°)	131.5	1.5			G2/225
UL (90°-100°)	108.0	1.2		U3/500	
UH (100°-180°)	17.9	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9
2.5°	1323.3	1323.3	1320.4	1320.4	1323.3	1326.2	1323.3	1320.4	1323.3	1326.2	1334.9
5°	1375.7	1372.8	1369.9	1358.3	1346.6	1337.9	1332.0	1329.1	1332.0	1343.7	1364.1
7.5°	1410.7	1407.8	1407.8	1404.9	1393.2	1369.9	1355.3	1352.4	1352.4	1355.3	1381.6
10°	1483.6	1477.8	1466.1	1445.7	1434.0	1404.9	1378.7	1372.8	1372.8	1378.7	1410.7
12.5°	1562.3	1550.6	1553.5	1530.2	1495.3	1463.2	1425.3	1410.7	1404.9	1410.7	1428.2
15°	1670.1	1661.4	1638.1	1611.8	1576.9	1533.1	1486.5	1463.2	1460.3	1469.0	1454.4
17.5°	1748.8	1737.2	1740.1	1702.2	1673.0	1614.8	1571.0	1527.3	1527.3	1539.0	1501.1
20°	1830.4	1824.6	1833.4	1824.6	1780.9	1728.4	1664.3	1611.8	1603.1	1608.9	1553.5
22.5°	1935.4	1926.6	1926.6	1929.5	1894.6	1842.1	1766.3	1713.9	1710.9	1687.6	1611.8
25°	2043.2	2034.5	2031.6	2037.4	2031.6	1970.3	1891.7	1839.2	1830.4	1798.4	1690.5
27.5°	2145.2	2145.2	2148.1	2154.0	2162.7	2113.2	2037.4	1979.1	1979.1	1944.1	1795.5
30°	2221.0	2221.0	2247.2	2258.9	2267.7	2256.0	2174.4	2119.0	2124.8	2078.2	1915.0
32.5°	2291.0	2293.9	2323.0	2352.2	2360.9	2369.7	2299.7	2264.7	2264.7	2221.0	2043.2
35°	2360.9	2360.9	2401.7	2460.0	2489.2	2480.4	2448.4	2436.7	2439.6	2430.9	2232.7
37.5°	2416.3	2422.1	2483.3	2556.2	2597.0	2611.6	2594.1	2632.0	2667.0	2693.2	2480.4
40°	2471.7	2471.7	2530.0	2608.7	2681.5	2722.3	2745.7	2888.5	2914.7	2923.5	2620.3
42.5°	2413.4	2428.0	2550.4	2667.0	2760.2	2830.2	2935.1	3147.9	3180.0	3080.9	2809.8
45°	2358.0	2375.5	2497.9	2693.2	2827.3	2967.2	3147.9	3363.6	3389.8	3241.2	2923.5
47.5°	2302.6	2323.0	2457.1	2669.9	2888.5	3118.7	3314.0	3553.0	3564.7	3372.3	3051.7
50°	2244.3	2264.7	2407.6	2643.6	2926.4	3273.2	3480.2	3725.0	3725.0	3488.9	3127.5
52.5°	2171.5	2194.8	2340.5	2602.8	2955.5	3378.2	3631.7	3850.3	3827.0	3628.8	3212.0
55°	2078.2	2110.3	2264.7	2544.5	2967.2	3433.5	3727.9	3972.8	3966.9	3800.8	3319.9
57.5°	1979.1	2005.3	2171.5	2468.8	2955.5	3471.4	3829.9	4185.5	4194.3	3949.4	3404.4
60°	1868.3	1885.8	2046.1	2363.8	2879.7	3538.5	4060.2	4412.9	4424.5	4086.4	3436.5
62.5°	1722.6	1734.3	1885.8	2221.0	2777.7	3582.2	4226.3	4619.8	4614.0	4208.9	3442.3
65°	1539.0	1553.5	1696.4	2031.6	2626.2	3553.0	4267.1	4710.2	4716.0	4267.1	3433.5
67.5°	1361.2	1369.9	1489.4	1780.9	2381.3	3413.1	4226.3	4762.6	4788.9	4316.7	3349.0
70°	1125.1	1128.0	1232.9	1492.3	2043.2	3145.0	4144.7	4794.7	4780.1	4258.4	3203.3
72.5°	865.7	868.6	947.3	1142.6	1588.5	2678.6	3856.2	4523.6	4497.4	3937.8	2888.5
75°	615.0	626.7	673.3	801.5	1063.9	1955.8	3299.5	4004.8	4022.3	3503.5	2407.6
77.5°	349.8	361.4	399.3	501.3	612.1	1095.9	2492.1	3340.3	3351.9	2946.8	1847.9
80°	151.6	154.5	169.1	239.0	326.4	524.6	1276.6	2340.5	2509.6	2002.4	1055.1
82.5°	128.2	128.2	134.1	139.9	142.8	239.0	495.5	725.8	749.1	591.7	343.9
85°	110.8	110.8	116.6	122.4	125.3	163.2	300.2	364.3	378.9	338.1	241.9
87.5°	87.4	87.4	96.2	102.0	102.0	134.1	224.4	271.1	279.8	271.1	215.7
90°	78.7	78.7	75.8	75.8	78.7	96.2	174.9	227.3	236.1	288.6	247.8
92.5°	67.0	70.0	70.0	70.0	61.2	70.0	125.3	201.1	218.6	285.6	224.4
95°	67.0	64.1	64.1	61.2	58.3	61.2	93.3	174.9	195.3	247.8	189.5
97.5°	46.6	43.7	46.6	49.6	52.5	55.4	78.7	128.2	142.8	192.4	139.9
100°	29.1	29.1	29.1	29.1	35.0	37.9	64.1	78.7	87.4	122.4	93.3
102.5°	17.5	14.6	14.6	14.6	17.5	23.3	32.1	43.7	46.6	70.0	55.4
105°	5.8	5.8	5.8	5.8	8.7	11.7	11.7	17.5	17.5	23.3	23.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9



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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	2.9	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9	1334.9
2.5°	1340.8	1346.6	1358.3	1372.8	1390.3	1404.9	1416.6	1419.5	1425.3	1425.3	1431.1
5°	1369.9	1381.6	1399.1	1419.5	1428.2	1422.4	1422.4	1425.3	1431.1	1445.7	1451.5
7.5°	1402.0	1410.7	1410.7	1419.5	1437.0	1431.1	1428.2	1425.3	1425.3	1419.5	1428.2
10°	1413.6	1402.0	1416.6	1413.6	1407.8	1419.5	1422.4	1404.9	1407.8	1407.8	1410.7
12.5°	1416.6	1416.6	1404.9	1404.9	1404.9	1378.7	1372.8	1387.4	1372.8	1378.7	1375.7
15°	1448.6	1425.3	1410.7	1393.2	1369.9	1361.2	1340.8	1317.5	1317.5	1323.3	1323.3
17.5°	1471.9	1448.6	1404.9	1358.3	1349.5	1308.7	1294.1	1288.3	1285.4	1288.3	1294.1
20°	1506.9	1471.9	1399.1	1352.4	1276.6	1262.1	1235.8	1232.9	1227.1	1206.7	1200.9
22.5°	1553.5	1498.2	1396.1	1302.9	1241.7	1192.1	1145.5	1116.3	1113.4	1098.8	1090.1
25°	1606.0	1550.6	1407.8	1279.6	1177.5	1104.7	1066.8	999.7	967.7	979.3	973.5
27.5°	1713.9	1611.8	1428.2	1247.5	1125.1	1011.4	924.0	883.2	842.4	842.4	848.2
30°	1813.0	1690.5	1428.2	1218.4	1037.6	900.6	787.0	722.8	705.4	693.7	687.9
32.5°	1961.6	1789.6	1489.4	1177.5	956.0	757.8	629.6	553.8	556.7	568.4	565.5
35°	2133.6	1947.0	1506.9	1119.3	836.5	615.0	486.8	446.0	469.3	475.1	475.1
37.5°	2340.5	2139.4	1585.6	1072.6	711.2	454.7	384.7	367.3	387.7	384.7	396.4
40°	2454.2	2232.7	1652.6	1014.3	545.1	335.2	297.3	285.6	317.7	343.9	349.8
42.5°	2614.5	2343.4	1716.8	903.6	370.2	244.8	227.3	265.2	311.9	341.0	343.9
45°	2701.9	2407.6	1690.5	766.6	236.1	198.2	221.5	268.2	317.7	346.9	349.8
47.5°	2806.9	2492.1	1643.9	597.5	189.5	195.3	224.4	274.0	326.4	352.7	352.7
50°	2911.8	2576.6	1530.2	469.3	177.8	192.4	230.3	276.9	323.5	341.0	341.0
52.5°	2973.0	2649.5	1396.1	341.0	174.9	192.4	233.2	279.8	320.6	329.4	329.4
55°	3028.4	2655.3	1279.6	253.6	172.0	195.3	236.1	285.6	323.5	332.3	329.4
57.5°	3060.5	2617.4	1197.9	218.6	169.1	195.3	239.0	291.5	346.9	367.3	361.4
60°	3043.0	2559.1	1136.7	204.0	166.1	195.3	241.9	309.0	440.1	475.1	463.4
62.5°	3013.8	2518.3	1008.5	186.5	160.3	195.3	244.8	349.8	489.7	507.2	492.6
65°	2975.9	2398.8	862.8	169.1	154.5	192.4	247.8	378.9	466.4	466.4	463.4
67.5°	2818.5	2238.5	644.2	151.6	145.7	192.4	253.6	373.1	448.9	486.8	486.8
70°	2608.7	1970.3	425.5	134.1	137.0	186.5	265.2	378.9	463.4	515.9	510.1
72.5°	2209.4	1635.2	236.1	116.6	125.3	183.6	265.2	402.2	501.3	559.6	550.9
75°	1804.2	1209.6	169.1	104.9	113.7	177.8	268.2	416.8	536.3	597.5	582.9
77.5°	1270.8	693.7	134.1	90.4	102.0	169.1	265.2	411.0	553.8	609.2	591.7
80°	536.3	250.7	110.8	81.6	87.4	151.6	244.8	393.5	553.8	644.2	635.4
82.5°	241.9	177.8	96.2	72.9	81.6	125.3	227.3	378.9	536.3	647.1	699.5
85°	189.5	145.7	81.6	64.1	72.9	119.5	204.0	361.4	513.0	597.5	655.8
87.5°	180.7	145.7	72.9	58.3	67.0	102.0	157.4	335.2	460.5	550.9	597.5
90°	195.3	151.6	58.3	49.6	61.2	90.4	128.2	282.7	399.3	483.8	483.8
92.5°	180.7	139.9	43.7	37.9	64.1	72.9	122.4	174.9	288.6	241.9	300.2
95°	151.6	116.6	29.1	26.2	61.2	61.2	67.0	81.6	201.1	5.8	0.0
97.5°	110.8	84.5	17.5	14.6	46.6	49.6	32.1	37.9	81.6	0.0	0.0
100°	81.6	55.4	11.7	11.7	29.1	40.8	20.4	20.4	0.0	0.0	0.0
102.5°	43.7	29.1	8.7	5.8	14.6	23.3	8.7	5.8	0.0	0.0	0.0
105°	23.3	11.7	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690883
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	2.9	2.9	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)