

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: P690828

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - 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



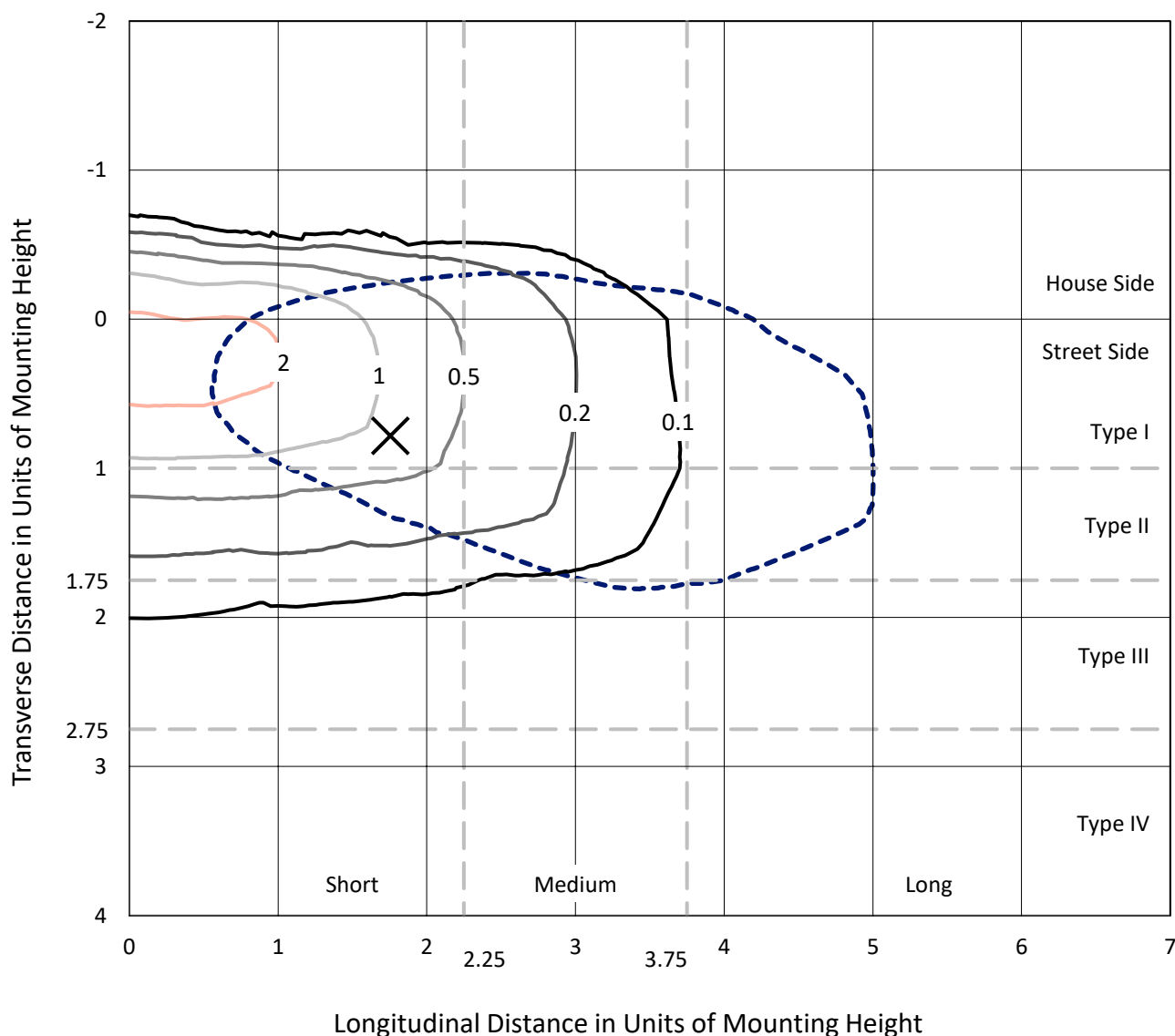
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

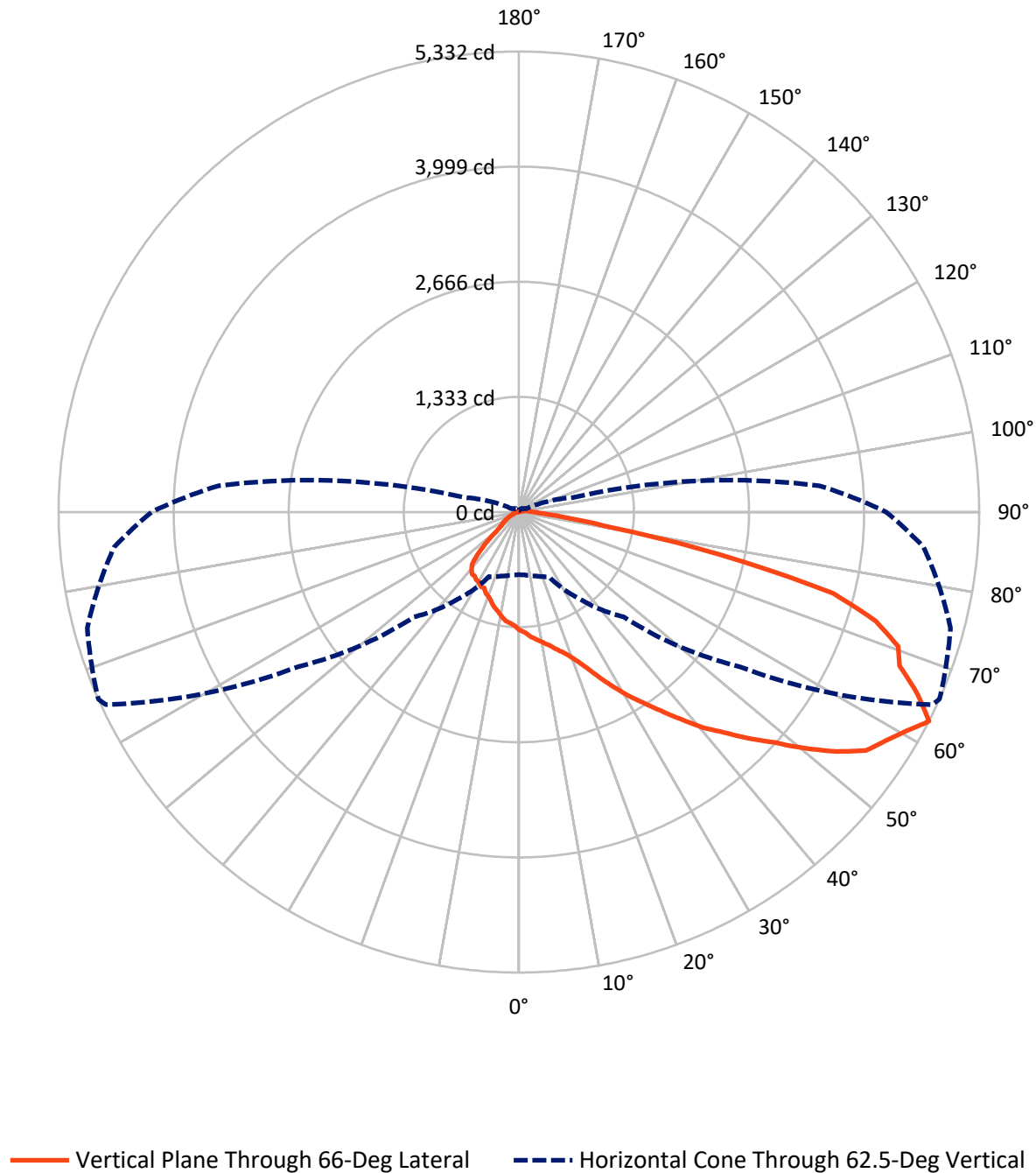


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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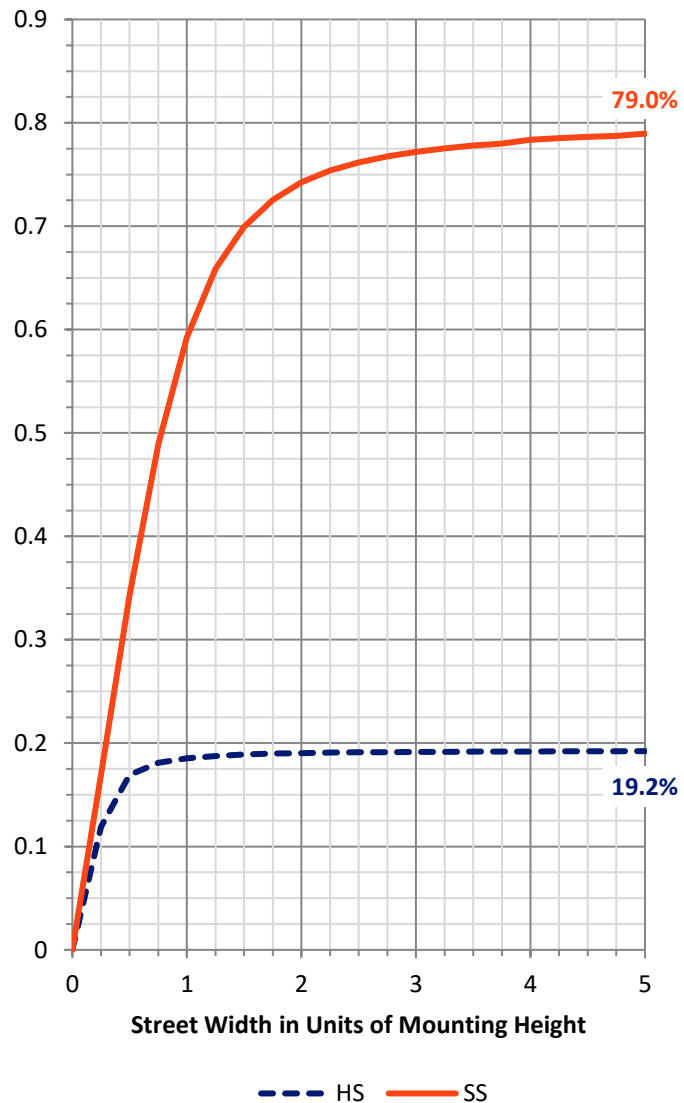
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1476.9	20.8	1497.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6019.5	57.8	6077.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	7496.4	78.6	7575.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	1.7
10°-20°	381.1	5.0
20°-30°	641.3	8.5
30°-40°	953.7	12.6
40°-50°	1261.9	16.7
50°-60°	1469.3	19.4
60°-70°	1466.8	19.4
70°-80°	984.3	13.0
80°-90°	208.0	2.7
90°-100°	63.3	0.8
100°-110°	11.1	0.1
110°-120°	0.8	0.0
120°-130°	1.0	0.0
130°-140°	0.9	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°	7496.4	99.0
0°-180°	7575.0	100.0

Coefficient of Utilization



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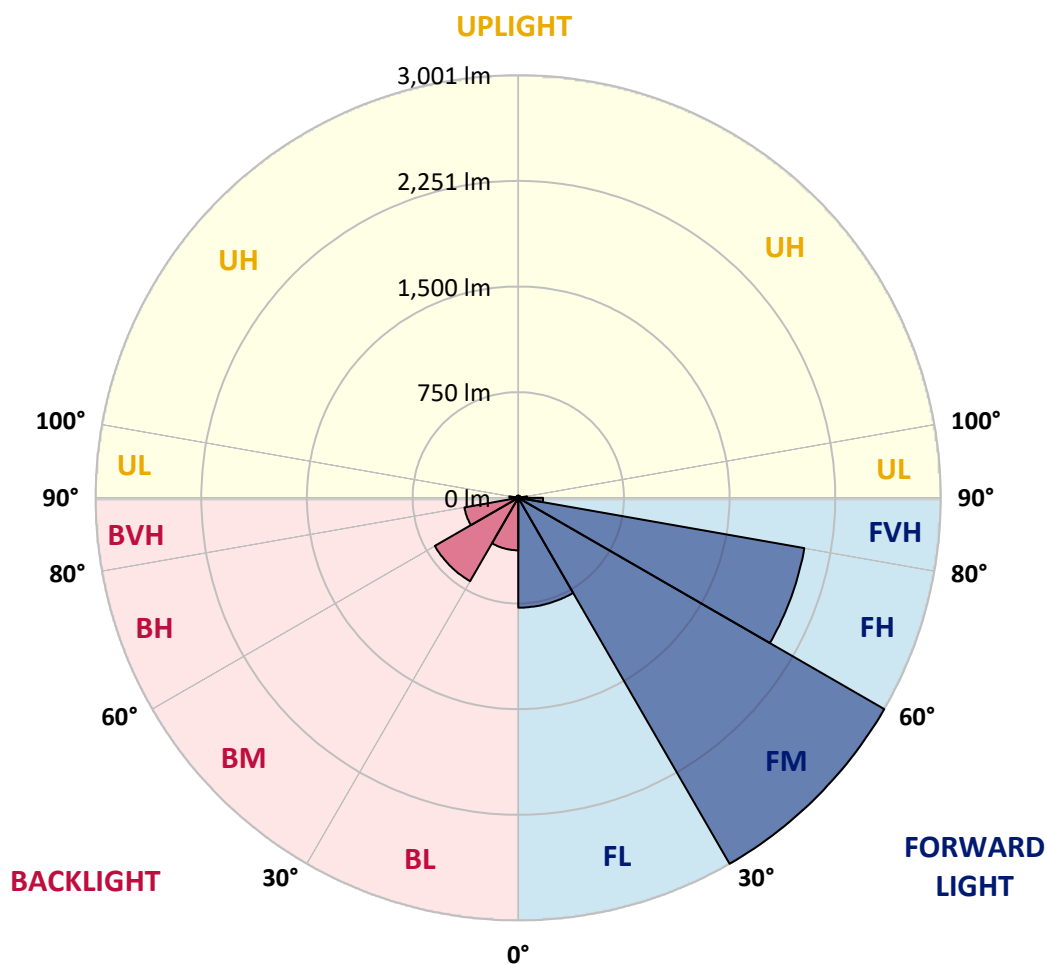
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	779.9	10.3			
FM	(30°-60°)	3001.0	39.6			
FH	(60°-80°)	2062.7	27.2			G2/5000
FVH	(80°-90°)	176.0	2.3			G2/225
BL	(0°-30°)	372.6	4.9	B1/500		
BM	(30°-60°)	683.9	9.0	B1/1000		
BH	(60°-80°)	388.4	5.1	B1/500		G1/500
BVH	(80°-90°)	32.0	0.4			G1/100
UL	(90°-100°)	63.3	0.8		U3/500	
UH	(100°-180°)	15.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6
2.5°	1460.9	1452.5	1455.3	1441.3	1427.3	1418.9	1410.6	1396.6	1396.6	1385.4	1371.4
5°	1564.5	1567.3	1564.5	1547.7	1530.9	1505.7	1474.9	1449.7	1449.7	1424.5	1391.0
7.5°	1634.4	1631.6	1631.6	1612.1	1600.9	1586.9	1550.5	1494.5	1491.7	1458.1	1416.1
10°	1662.4	1665.2	1676.4	1648.4	1637.2	1617.7	1598.1	1542.1	1536.5	1480.5	1413.4
12.5°	1724.0	1726.8	1721.2	1698.8	1684.8	1670.8	1640.0	1592.5	1586.9	1525.3	1432.9
15°	1796.8	1796.8	1788.4	1766.0	1757.6	1738.0	1701.6	1656.8	1651.2	1581.3	1469.3
17.5°	1836.0	1841.6	1841.6	1810.8	1813.6	1805.2	1785.6	1726.8	1718.4	1654.0	1519.7
20°	1855.5	1858.3	1863.9	1863.9	1861.1	1858.3	1869.5	1816.4	1810.8	1735.2	1578.5
22.5°	1911.5	1917.1	1931.1	1922.7	1931.1	1942.3	1945.1	1942.3	1933.9	1852.7	1676.4
25°	1936.7	1953.5	1973.1	1998.3	2023.5	2040.3	2079.4	2099.0	2093.4	2015.1	1830.4
27.5°	1908.7	1925.5	1995.5	2043.1	2121.4	2169.0	2241.8	2272.6	2269.8	2205.4	1989.9
30°	1956.3	1961.9	1992.7	2059.9	2160.6	2292.1	2392.9	2440.5	2451.7	2392.9	2157.8
32.5°	1886.3	1905.9	1992.7	2118.6	2269.8	2409.7	2507.6	2614.0	2628.0	2602.8	2378.9
35°	1880.7	1894.7	1942.3	2079.4	2272.6	2532.8	2667.2	2812.7	2823.9	2832.3	2602.8
37.5°	1802.4	1822.0	1917.1	2090.6	2356.5	2614.0	2801.5	3011.4	3039.4	3073.0	2790.3
40°	1715.6	1729.6	1810.8	1995.5	2336.9	2709.2	2930.3	3252.1	3280.1	3322.1	3039.4
42.5°	1586.9	1617.7	1754.8	1953.5	2325.7	2737.1	3059.0	3464.8	3490.0	3548.8	3249.3
45°	1472.1	1486.1	1592.5	1810.8	2236.2	2787.5	3168.1	3713.9	3739.1	3767.1	3414.4
47.5°	1382.6	1399.4	1500.1	1696.0	2146.6	2776.3	3268.9	3960.2	3988.2	4052.5	3618.7
50°	1097.1	1139.1	1393.8	1584.1	1998.3	2753.9	3355.7	4234.5	4298.8	4324.0	3831.4
52.5°	943.2	957.2	1088.7	1483.3	1852.7	2672.8	3431.2	4533.9	4606.7	4559.1	4116.9
55°	878.8	887.2	951.6	1284.6	1721.2	2507.6	3492.8	4822.2	4875.4	4724.2	4326.8
57.5°	831.2	845.2	873.2	1041.1	1567.3	2230.6	3495.6	4981.7	5001.3	4861.4	4427.6
60°	769.6	775.2	834.0	906.8	1393.8	1942.3	3400.4	5062.9	5149.6	5020.9	4631.9
62.5°	724.9	730.5	766.8	825.6	1228.6	1715.6	3120.6	5278.4	5331.5	5174.8	4707.4
65°	668.9	677.3	708.1	766.8	1113.9	1578.5	2980.6	5222.4	5068.5	5138.4	4794.2
67.5°	610.1	615.7	649.3	694.1	948.8	1446.9	2633.6	4867.0	4755.0	4956.5	4561.9
70°	548.5	554.1	584.9	615.7	780.8	1284.6	2194.2	4564.7	4659.9	4671.1	4343.6
72.5°	484.2	489.8	517.8	543.0	646.5	1080.3	1743.6	4262.4	4321.2	4150.5	3837.0
75°	419.8	422.6	445.0	470.2	537.4	870.4	1248.2	3534.8	3758.7	3965.8	3310.9
77.5°	338.6	344.2	366.6	375.0	431.0	702.5	808.8	2101.8	2395.7	3470.4	2972.2
80°	249.1	251.9	274.3	271.5	321.9	512.2	509.4	999.1	1074.7	2143.8	2183.0
82.5°	165.1	170.7	190.3	184.7	218.3	310.7	319.1	537.4	573.7	831.2	957.2
85°	131.5	134.3	145.5	134.3	145.5	156.7	176.3	324.7	330.2	492.6	489.8
87.5°	106.4	109.1	120.3	111.9	114.7	120.3	139.9	207.1	212.7	310.7	321.9
90°	84.0	86.8	100.8	92.4	92.4	100.8	117.5	153.9	162.3	243.5	263.1
92.5°	56.0	56.0	64.4	61.6	61.6	72.8	103.6	114.7	123.1	226.7	237.9
95°	42.0	42.0	44.8	44.8	44.8	53.2	78.4	109.1	120.3	221.1	215.5
97.5°	28.0	28.0	30.8	30.8	30.8	33.6	44.8	89.6	100.8	179.1	176.3
100°	19.6	19.6	19.6	16.8	16.8	16.8	25.2	58.8	67.2	114.7	114.7
102.5°	14.0	11.2	11.2	11.2	8.4	8.4	11.2	28.0	30.8	61.6	58.8
105°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	11.2	11.2	25.2	25.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6	1368.6
2.5°	1363.0	1354.6	1335.0	1318.2	1304.2	1290.2	1267.8	1259.4	1253.8	1262.2	1262.2
5°	1371.4	1349.0	1315.4	1287.4	1262.2	1231.4	1197.8	1178.3	1161.5	1169.9	1169.9
7.5°	1385.4	1354.6	1312.6	1265.0	1200.6	1147.5	1105.5	1080.3	1066.3	1074.7	1080.3
10°	1377.0	1343.4	1287.4	1214.6	1139.1	1083.1	1029.9	990.7	976.8	971.2	976.8
12.5°	1385.4	1346.2	1251.0	1164.3	1091.5	1001.9	937.6	895.6	878.8	878.8	878.8
15°	1413.4	1354.6	1228.6	1127.9	1015.9	929.2	862.0	817.2	811.6	792.0	792.0
17.5°	1452.5	1363.0	1220.2	1071.9	948.8	859.2	780.8	736.1	722.1	724.9	724.9
20°	1491.7	1379.8	1203.4	1024.3	887.2	780.8	699.7	657.7	624.1	612.9	618.5
22.5°	1558.9	1427.3	1189.5	999.1	817.2	716.5	626.9	556.9	501.0	484.2	475.8
25°	1656.8	1502.9	1209.0	940.4	775.2	643.7	537.4	439.4	372.2	355.4	352.6
27.5°	1836.0	1620.5	1231.4	940.4	708.1	579.3	428.2	324.7	271.5	254.7	260.3
30°	2003.9	1780.0	1295.8	890.0	680.1	464.6	319.1	243.5	195.9	176.3	181.9
32.5°	2143.8	1931.1	1385.4	878.8	598.9	344.2	232.3	170.7	137.1	125.9	128.7
35°	2345.3	2059.9	1455.3	839.6	492.6	251.9	162.3	120.3	106.4	100.8	100.8
37.5°	2538.4	2216.6	1525.3	831.2	363.8	184.7	109.1	98.0	95.2	86.8	86.8
40°	2723.1	2376.1	1556.1	783.6	257.5	120.3	92.4	89.6	86.8	78.4	78.4
42.5°	2949.8	2530.0	1584.1	722.1	179.1	89.6	81.2	84.0	81.2	72.8	70.0
45°	3123.4	2633.6	1592.5	565.3	114.7	84.0	75.6	78.4	75.6	67.2	67.2
47.5°	3268.9	2773.5	1558.9	386.2	95.2	78.4	70.0	72.8	70.0	64.4	61.6
50°	3417.2	2902.3	1528.1	207.1	89.6	75.6	67.2	61.6	64.4	58.8	56.0
52.5°	3618.7	2997.4	1446.9	125.9	84.0	70.0	61.6	56.0	56.0	50.4	53.2
55°	3895.8	3232.5	1295.8	117.5	81.2	67.2	58.8	50.4	50.4	44.8	44.8
57.5°	4019.0	3324.9	1052.3	106.4	78.4	67.2	53.2	44.8	39.2	36.4	33.6
60°	4170.1	3462.0	828.4	98.0	72.8	64.4	47.6	39.2	30.8	28.0	28.0
62.5°	4254.0	3490.0	646.5	89.6	70.0	56.0	42.0	30.8	25.2	19.6	19.6
65°	4296.0	3470.4	431.0	81.2	64.4	53.2	36.4	25.2	16.8	14.0	14.0
67.5°	4136.5	3366.9	249.1	75.6	61.6	47.6	30.8	19.6	14.0	11.2	8.4
70°	3865.0	3064.6	156.7	67.2	58.8	42.0	28.0	16.8	11.2	8.4	5.6
72.5°	3546.0	2502.0	114.7	61.6	56.0	36.4	22.4	14.0	8.4	5.6	5.6
75°	3238.1	2180.2	98.0	53.2	47.6	30.8	19.6	11.2	8.4	5.6	2.8
77.5°	2317.3	1486.1	86.8	47.6	42.0	25.2	14.0	11.2	5.6	2.8	2.8
80°	1645.6	873.2	78.4	39.2	33.6	19.6	14.0	8.4	5.6	2.8	2.8
82.5°	789.2	453.4	75.6	33.6	25.2	16.8	11.2	8.4	5.6	2.8	2.8
85°	358.2	193.1	56.0	30.8	22.4	16.8	11.2	8.4	5.6	5.6	2.8
87.5°	218.3	100.8	44.8	25.2	16.8	14.0	8.4	5.6	5.6	5.6	5.6
90°	204.3	131.5	33.6	19.6	14.0	11.2	8.4	2.8	0.0	0.0	0.0
92.5°	195.9	151.1	25.2	14.0	8.4	8.4	2.8	0.0	0.0	0.0	0.0
95°	184.7	142.7	28.0	8.4	14.0	5.6	2.8	0.0	0.0	0.0	0.0
97.5°	145.5	111.9	30.8	8.4	70.0	5.6	2.8	0.0	0.0	0.0	0.0
100°	92.4	70.0	22.4	8.4	84.0	5.6	0.0	0.0	0.0	0.0	0.0
102.5°	53.2	39.2	11.2	8.4	25.2	2.8	0.0	0.0	0.0	0.0	0.0
105°	22.4	19.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
107.5°	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690828

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)