

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: P691233

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4318 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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



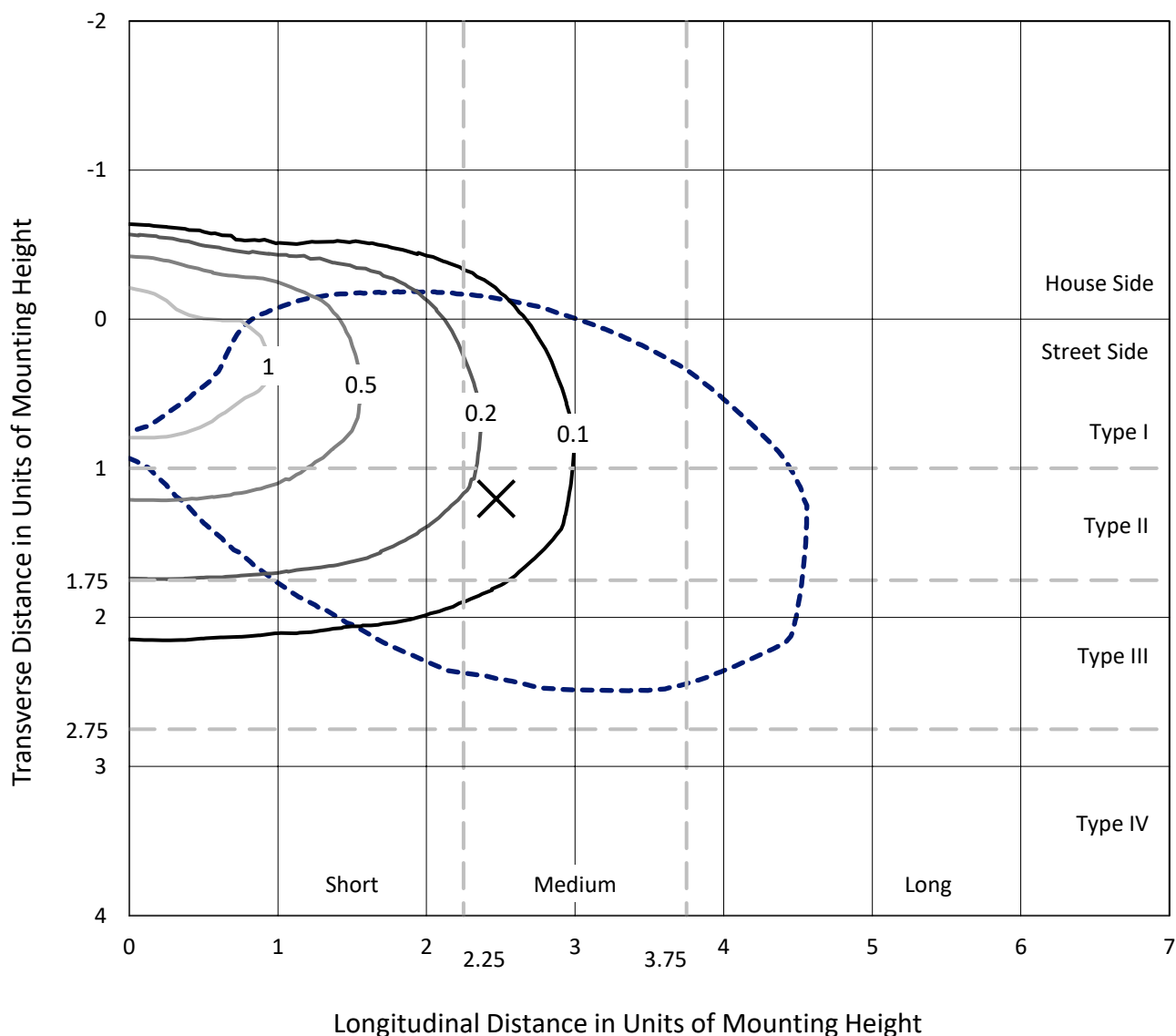
REPORT NUMBER: P691233

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

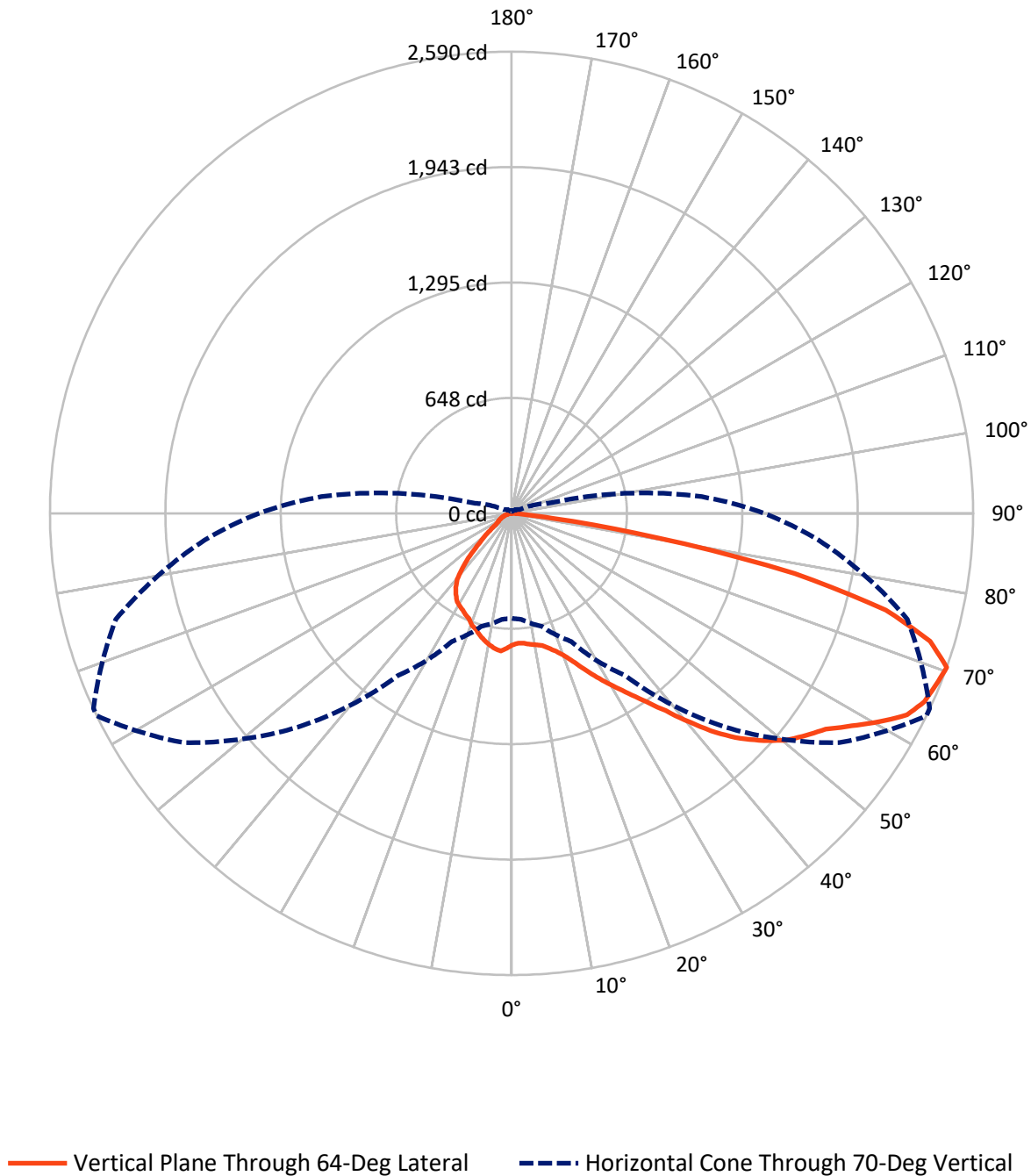
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P691233
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691233

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

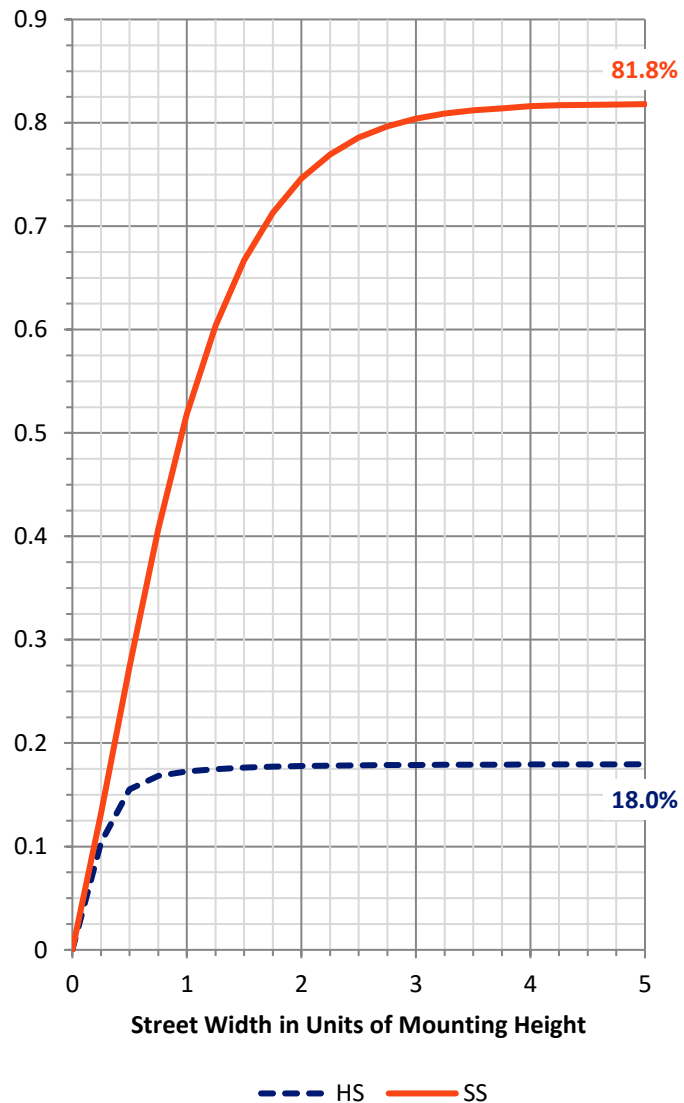
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	784.8	0.0	784.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3533.2	0.0	3533.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	4318.0	0.0	4318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.7
10°-20°	212.6	4.9
20°-30°	358.1	8.3
30°-40°	527.1	12.2
40°-50°	722.8	16.7
50°-60°	879.5	20.4
60°-70°	933.7	21.6
70°-80°	572.4	13.3
80°-90°	39.9	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4318.0	100.0
0°-180°	4318.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691233

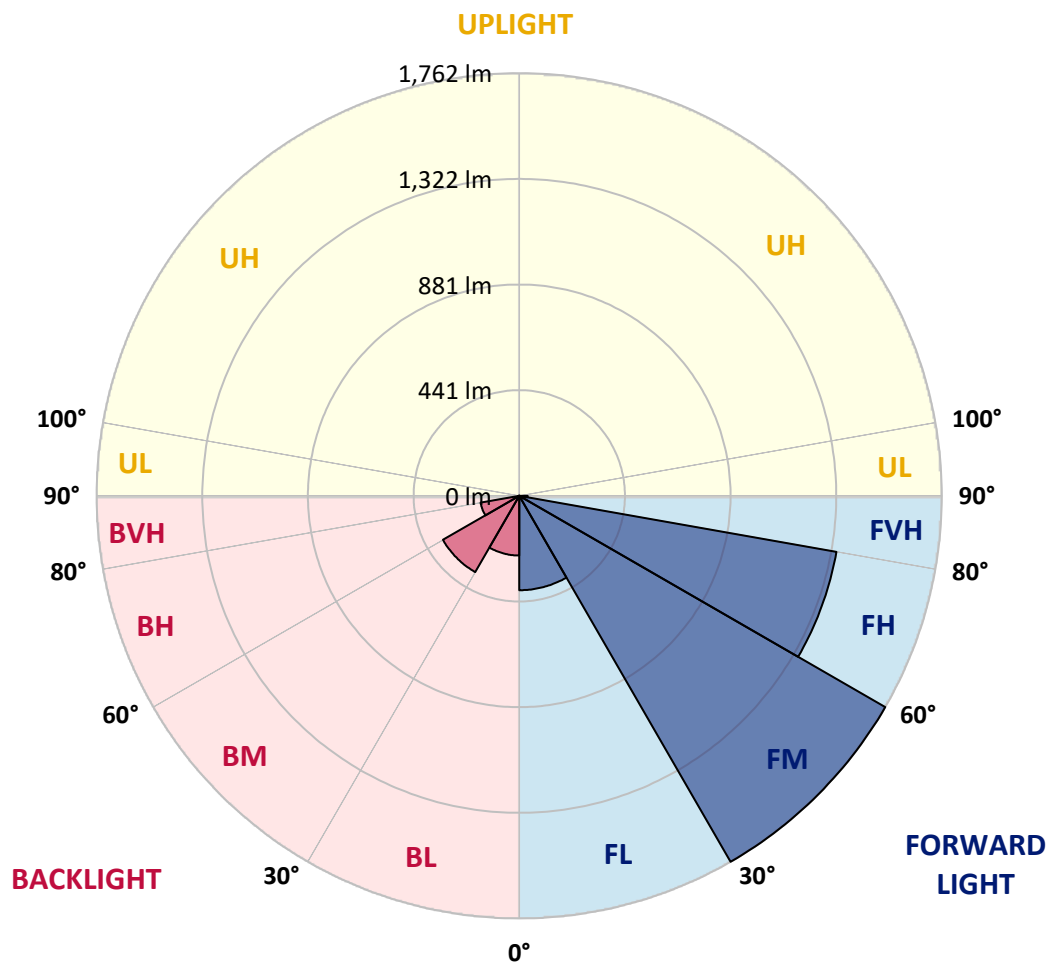
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.6	9.1			
FM	(30°-60°)	1762.0	40.8			
FH	(60°-80°)	1342.8	31.1			G1/1800
FVH	(80°-90°)	34.8	0.8			G1/100
BL	(0°-30°)	249.0	5.8	B1/500		
BM	(30°-60°)	367.3	8.5	B1/1000		
BH	(60°-80°)	163.4	3.8	B1/500		G1/500
BVH	(80°-90°)	5.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P691233

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	729.4	729.4	731.0	729.4	732.6	727.8	729.4	729.4	729.4	731.0	735.7
5°	751.5	751.5	748.4	743.6	738.9	732.6	732.6	732.6	732.6	735.7	746.8
7.5°	765.8	764.2	764.2	764.2	759.5	746.8	743.6	742.0	742.0	742.0	753.1
10°	800.6	795.8	789.5	780.0	775.3	764.2	751.5	750.0	750.0	751.5	765.8
12.5°	833.8	829.1	829.1	822.7	803.8	791.1	768.9	761.0	761.0	764.2	772.1
15°	889.2	884.4	871.8	860.7	843.3	821.2	799.0	784.8	783.2	789.5	778.4
17.5°	928.7	920.8	922.4	905.0	890.8	859.1	837.0	814.8	814.8	821.2	799.0
20°	966.7	966.7	968.3	966.7	943.0	917.7	881.3	854.4	856.0	857.5	822.7
22.5°	1023.7	1022.1	1022.1	1023.7	1007.9	979.4	939.8	909.8	908.2	895.5	852.8
25°	1090.1	1087.0	1080.6	1087.0	1079.1	1045.8	1007.9	977.8	973.0	955.6	897.1
27.5°	1145.5	1145.5	1145.5	1148.7	1148.7	1124.9	1082.2	1050.6	1053.7	1030.0	949.3
30°	1185.1	1185.1	1199.3	1205.6	1210.4	1202.5	1156.6	1123.4	1129.7	1101.2	1014.2
32.5°	1227.8	1226.2	1245.2	1259.4	1265.8	1268.9	1230.9	1204.0	1205.6	1180.3	1088.5
35°	1267.3	1264.2	1289.5	1319.5	1335.4	1332.2	1305.3	1295.8	1299.0	1291.1	1189.8
37.5°	1295.8	1300.6	1333.8	1373.3	1398.7	1405.0	1387.6	1405.0	1422.4	1433.5	1321.1
40°	1327.5	1327.5	1359.1	1401.8	1441.4	1465.1	1477.8	1541.1	1555.3	1563.2	1398.7
42.5°	1295.8	1306.9	1373.3	1435.0	1487.3	1523.6	1575.9	1681.9	1697.7	1648.6	1501.5
45°	1268.9	1278.4	1344.9	1449.3	1525.2	1596.4	1691.4	1802.1	1817.9	1734.1	1560.0
47.5°	1242.0	1253.1	1322.7	1438.2	1560.0	1677.1	1784.7	1905.0	1912.9	1808.4	1637.6
50°	1212.0	1223.0	1295.8	1424.0	1580.6	1764.1	1876.5	1999.9	2001.5	1873.3	1677.1
52.5°	1174.0	1188.2	1261.0	1403.4	1598.0	1822.7	1958.7	2069.5	2060.0	1952.4	1724.6
55°	1126.5	1142.3	1223.0	1376.5	1607.5	1860.7	2012.5	2137.5	2131.2	2044.2	1786.3
57.5°	1072.7	1090.1	1174.0	1335.4	1604.3	1879.6	2067.9	2249.9	2253.0	2120.1	1832.2
60°	1011.0	1026.8	1105.9	1281.6	1563.2	1914.4	2186.6	2373.3	2384.4	2204.0	1851.2
62.5°	930.3	944.6	1020.5	1202.5	1511.0	1939.8	2276.8	2490.4	2485.6	2260.9	1857.5
65°	829.1	844.9	916.1	1098.0	1428.7	1923.9	2305.2	2545.7	2545.7	2302.1	1852.7
67.5°	726.2	740.5	800.6	965.1	1295.8	1844.8	2287.8	2567.9	2582.1	2329.0	1810.0
70°	588.6	596.5	656.6	792.7	1110.7	1696.1	2243.5	2590.0	2588.5	2298.9	1729.3
72.5°	431.9	441.4	490.5	594.9	859.1	1468.3	2104.3	2455.6	2430.2	2137.5	1572.7
75°	223.1	232.6	270.6	373.4	547.4	1036.3	1794.2	2169.2	2164.4	1892.3	1302.1
77.5°	30.1	30.1	34.8	61.7	126.6	413.0	1175.6	1624.9	1615.4	1443.0	946.1
80°	20.6	20.6	23.7	28.5	36.4	90.2	414.5	824.3	838.6	743.6	424.0
82.5°	15.8	14.2	17.4	20.6	22.2	41.1	126.6	227.8	231.0	207.3	129.7
85°	9.5	9.5	9.5	9.5	7.9	11.1	28.5	38.0	42.7	41.1	33.2
87.5°	4.7	4.7	4.7	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691233

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	737.3	742.0	748.4	756.3	764.2	770.5	776.9	780.0	783.2	784.8	786.3
5°	750.0	756.3	764.2	775.3	775.3	770.5	767.4	767.4	770.5	775.3	776.9
7.5°	762.6	768.9	765.8	764.2	765.8	759.5	751.5	746.8	743.6	743.6	746.8
10°	767.4	761.0	757.9	750.0	734.1	731.0	724.6	712.0	708.8	712.0	700.9
12.5°	764.2	759.5	743.6	731.0	715.1	688.3	672.4	672.4	664.5	662.9	664.5
15°	772.1	756.3	737.3	710.4	681.9	659.8	634.5	612.3	606.0	607.6	607.6
17.5°	778.4	762.6	724.6	683.5	658.2	618.6	590.2	577.5	566.4	564.8	564.8
20°	792.7	770.5	716.7	672.4	609.1	579.1	547.4	531.6	514.2	490.5	482.6
22.5°	814.8	784.8	712.0	642.4	587.0	539.5	493.6	446.2	417.7	398.7	403.5
25°	844.9	811.7	716.7	631.3	553.8	493.6	433.5	368.6	325.9	313.3	321.2
27.5°	898.7	841.7	731.0	615.5	530.0	439.8	349.7	292.7	253.2	240.5	245.2
30°	947.7	887.6	732.6	606.0	492.1	376.6	275.3	212.0	180.4	161.4	156.6
32.5°	1036.3	936.7	772.1	593.3	452.5	306.9	202.5	140.8	112.3	101.3	98.1
35°	1123.4	1023.7	783.2	569.6	379.7	227.8	125.0	83.9	68.0	60.1	58.5
37.5°	1243.6	1129.7	829.1	544.3	306.9	139.2	75.9	50.6	47.5	45.9	45.9
40°	1303.7	1185.1	867.0	507.9	215.2	79.1	49.0	44.3	42.7	41.1	41.1
42.5°	1389.2	1248.3	898.7	443.0	126.6	52.2	44.3	41.1	39.6	38.0	38.0
45°	1436.6	1281.6	890.8	363.9	63.3	49.0	42.7	39.6	36.4	36.4	36.4
47.5°	1499.9	1330.6	870.2	269.0	57.0	47.5	41.1	38.0	36.4	38.0	36.4
50°	1560.0	1378.1	813.2	213.6	55.4	45.9	41.1	36.4	36.4	36.4	36.4
52.5°	1593.3	1422.4	742.0	156.6	57.0	45.9	39.6	36.4	36.4	34.8	36.4
55°	1624.9	1428.7	685.1	113.9	57.0	44.3	38.0	34.8	33.2	31.6	31.6
57.5°	1647.1	1414.5	639.2	94.9	57.0	44.3	36.4	33.2	28.5	26.9	26.9
60°	1640.7	1379.7	601.2	87.0	53.8	41.1	33.2	28.5	25.3	22.2	22.2
62.5°	1623.3	1359.1	531.6	75.9	49.0	38.0	30.1	23.7	20.6	19.0	19.0
65°	1607.5	1294.2	450.9	68.0	45.9	33.2	25.3	20.6	17.4	15.8	15.8
67.5°	1531.6	1208.8	335.4	58.5	41.1	30.1	22.2	19.0	15.8	14.2	12.7
70°	1419.2	1071.1	219.9	50.6	36.4	25.3	19.0	15.8	12.7	11.1	11.1
72.5°	1227.8	884.4	113.9	41.1	30.1	22.2	17.4	14.2	11.1	9.5	9.5
75°	996.8	650.3	68.0	31.6	23.7	19.0	14.2	11.1	9.5	7.9	7.9
77.5°	689.8	359.2	49.0	23.7	15.8	14.2	11.1	9.5	7.9	6.3	6.3
80°	232.6	98.1	34.8	17.4	11.1	11.1	7.9	6.3	6.3	4.7	4.7
82.5°	91.8	60.1	23.7	12.7	9.5	7.9	6.3	4.7	4.7	4.7	4.7
85°	25.3	17.4	9.5	6.3	4.7	4.7	4.7	3.2	3.2	3.2	3.2
87.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6
90°	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)