

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: P691569

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6800 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - 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



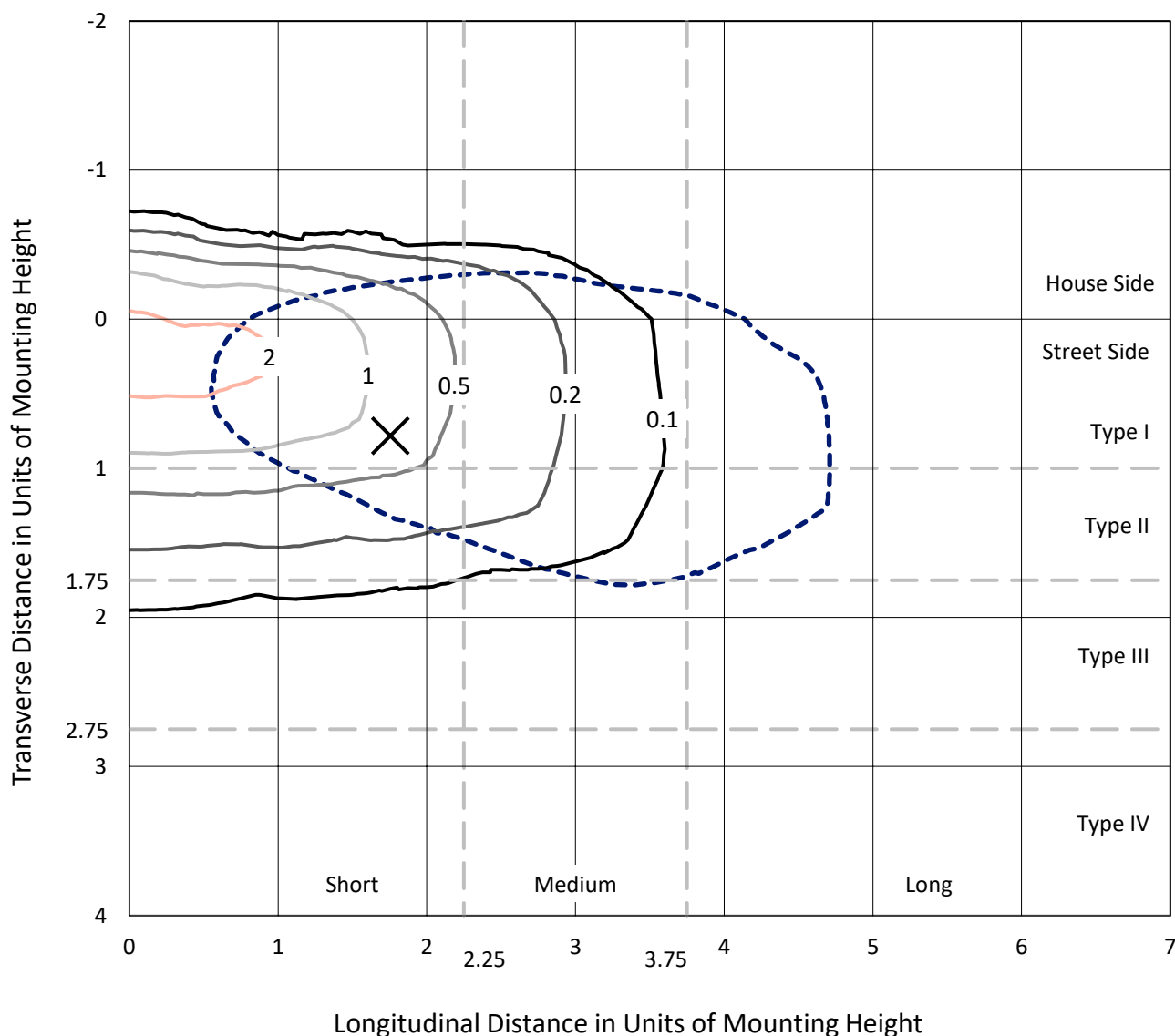
REPORT NUMBER: P691569

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



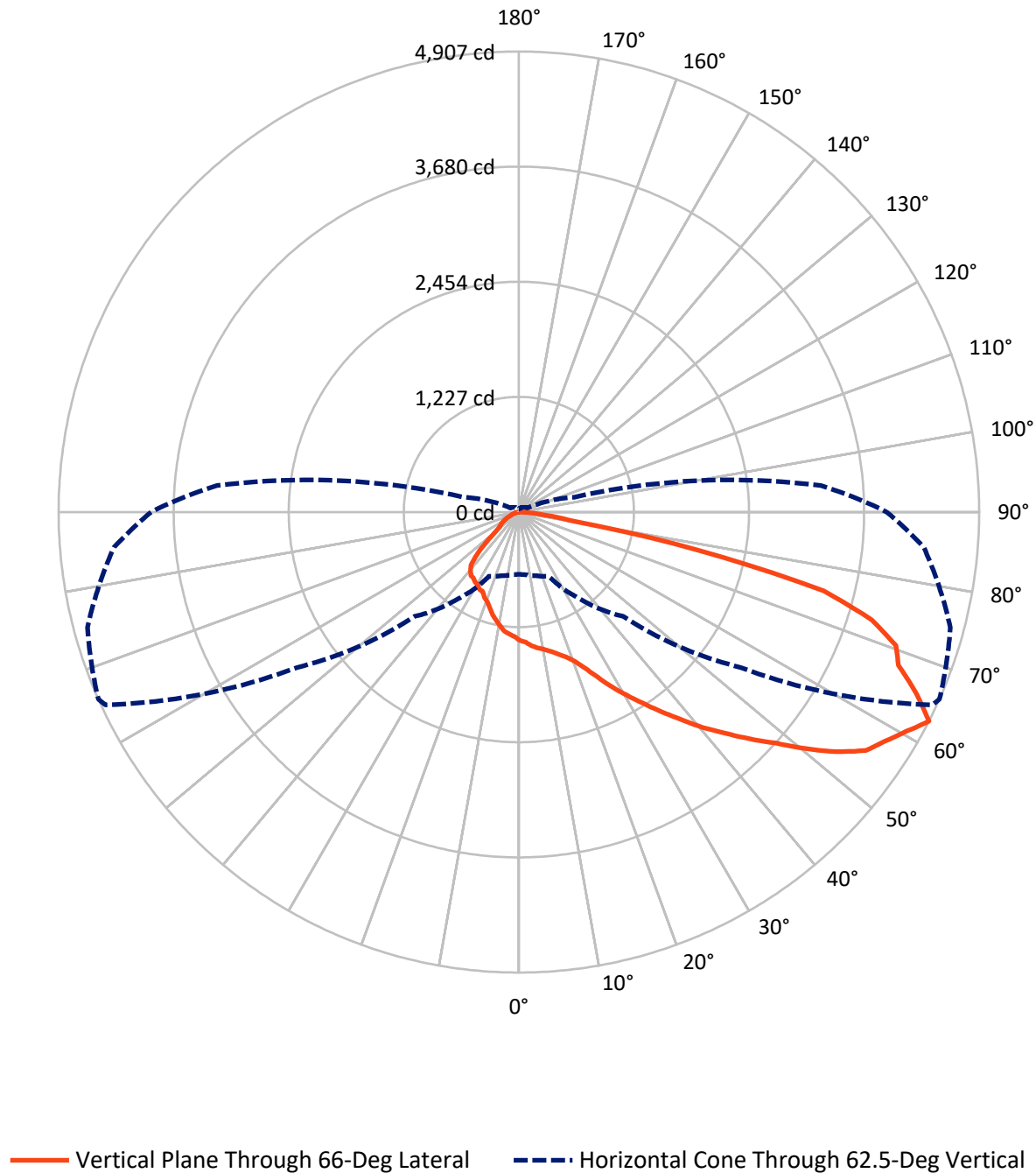
Based on 25 foot mounting height. Maximum calculated value = 2.5 fc

Type II - Short - N/A

REPORT NUMBER: P691569

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691569

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

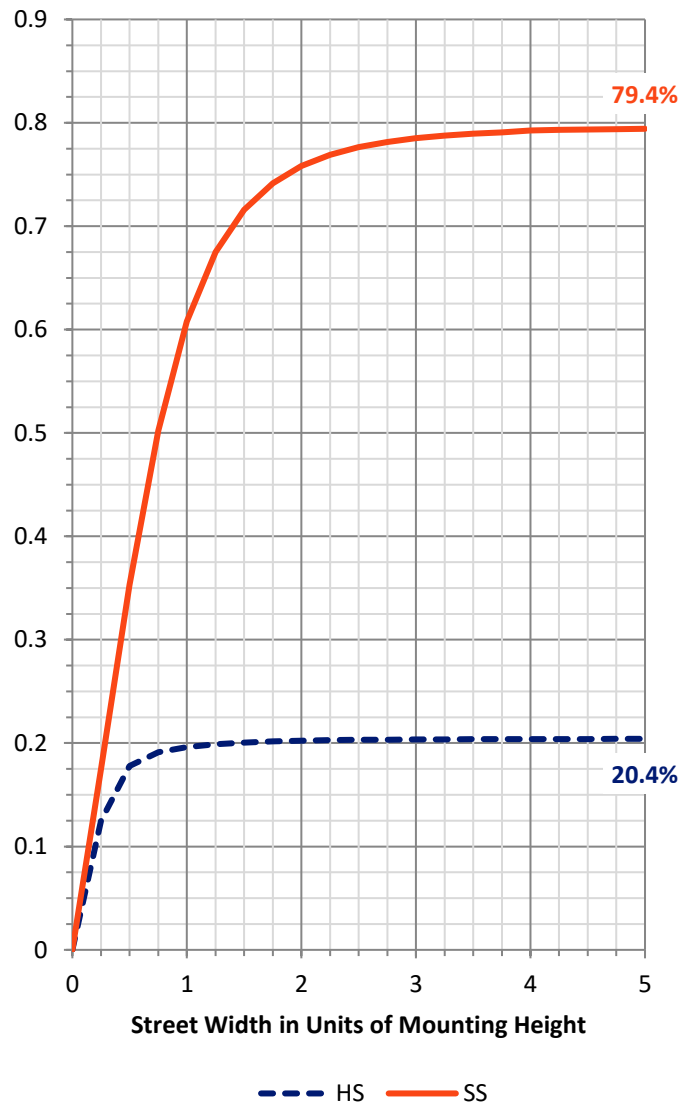
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1404.7	0.0	1404.7
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5395.3	0.0	5395.3
	% Fixture	79.3	0.0	79.3
Total	Lumens	6800.0	0.0	6800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	1.9
10°-20°	368.1	5.4
20°-30°	603.9	8.9
30°-40°	888.6	13.1
40°-50°	1171.9	17.2
50°-60°	1364.2	20.1
60°-70°	1355.6	19.9
70°-80°	838.6	12.3
80°-90°	80.2	1.2
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°	6800.0	100.0
0°-180°	6800.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691569

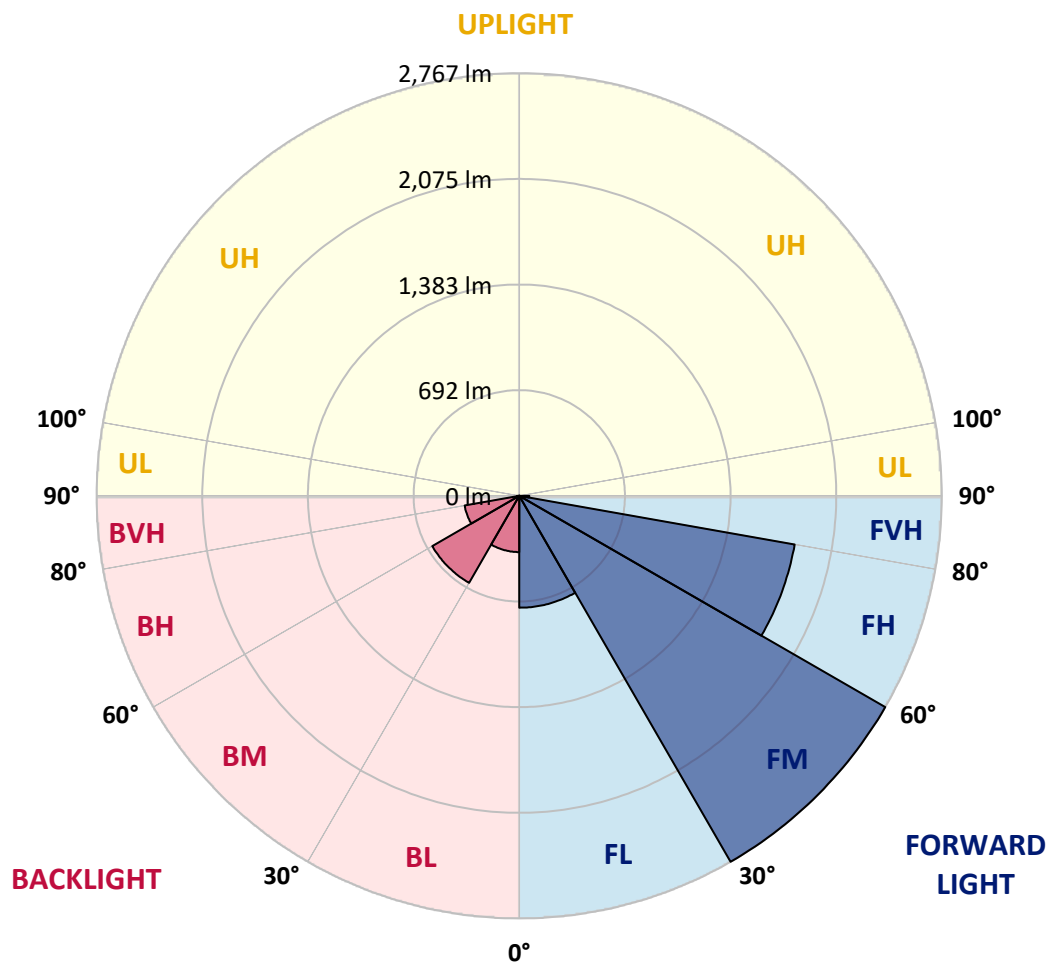
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	732.7	10.8			
FM	(30°-60°)	2766.8	40.7			
FH	(60°-80°)	1831.0	26.9			G2/5000
FVH	(80°-90°)	64.8	1.0			G1/100
BL	(0°-30°)	368.4	5.4	B1/500		
BM	(30°-60°)	657.7	9.7	B1/1000		
BH	(60°-80°)	363.2	5.3	B1/500		G1/500
BVH	(80°-90°)	15.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P691569

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4
2.5°	1445.3	1445.3	1442.7	1424.8	1417.1	1406.8	1399.1	1391.5	1388.9	1381.2	1368.4
5°	1529.8	1527.3	1527.3	1511.9	1496.5	1476.0	1455.5	1435.0	1432.5	1412.0	1383.8
7.5°	1578.5	1578.5	1573.4	1563.2	1552.9	1540.1	1509.3	1465.8	1463.2	1435.0	1396.6
10°	1591.3	1593.9	1604.2	1578.5	1570.8	1558.0	1542.6	1496.5	1488.8	1447.8	1386.3
12.5°	1637.5	1637.5	1634.9	1611.8	1604.2	1593.9	1568.3	1532.4	1524.7	1473.5	1388.9
15°	1693.8	1696.4	1688.7	1668.2	1658.0	1645.2	1611.8	1573.4	1570.8	1504.2	1409.4
17.5°	1722.0	1722.0	1727.2	1699.0	1701.5	1696.4	1681.0	1627.2	1624.7	1563.2	1445.3
20°	1732.3	1734.8	1737.4	1737.4	1740.0	1734.8	1750.2	1704.1	1696.4	1627.2	1494.0
22.5°	1778.4	1783.5	1796.3	1788.7	1801.5	1809.2	1814.3	1816.8	1806.6	1734.8	1576.0
25°	1798.9	1811.7	1829.7	1857.8	1878.3	1893.7	1932.2	1950.1	1947.5	1886.0	1711.8
27.5°	1768.2	1783.5	1845.0	1893.7	1965.5	2006.5	2078.2	2101.3	2109.0	2052.6	1857.8
30°	1809.2	1814.3	1842.5	1904.0	1993.7	2116.7	2214.0	2265.3	2265.3	2221.7	2001.3
32.5°	1745.1	1760.5	1842.5	1955.2	2093.6	2226.8	2319.1	2429.3	2429.3	2408.8	2206.3
35°	1737.4	1745.1	1793.8	1919.3	2096.2	2339.6	2462.6	2593.3	2611.2	2613.8	2408.8
37.5°	1665.7	1681.0	1768.2	1929.6	2173.0	2408.8	2580.5	2782.9	2803.4	2831.6	2577.9
40°	1586.2	1591.3	1668.2	1837.3	2155.1	2498.5	2693.2	2995.6	3018.7	3057.1	2803.4
42.5°	1468.3	1488.8	1617.0	1801.5	2147.4	2526.7	2818.8	3195.5	3221.1	3274.9	2990.5
45°	1363.3	1371.0	1465.8	1670.8	2062.8	2567.7	2916.2	3431.2	3446.6	3479.9	3146.8
47.5°	1278.7	1283.8	1378.6	1555.5	1983.4	2557.4	3011.0	3643.9	3679.8	3731.1	3331.3
50°	1025.0	1053.2	1289.0	1460.6	1845.0	2539.5	3085.3	3910.4	3964.3	3984.8	3544.0
52.5°	873.8	879.0	1002.0	1365.8	1701.5	2462.6	3157.1	4182.1	4243.6	4187.2	3800.2
55°	809.8	814.9	871.3	1176.2	1581.1	2314.0	3210.9	4443.4	4487.0	4348.6	3992.4
57.5°	768.8	779.0	804.6	955.8	1437.6	2065.4	3221.1	4586.9	4604.9	4476.8	4089.8
60°	712.4	712.4	763.6	835.4	1281.3	1798.9	3136.6	4658.7	4745.8	4622.8	4269.2
62.5°	663.7	668.8	702.1	755.9	1127.5	1573.4	2888.0	4863.7	4907.3	4761.2	4333.3
65°	607.3	612.4	643.2	697.0	1025.0	1447.8	2754.7	4781.7	4653.6	4725.3	4412.7
67.5°	543.3	545.8	576.6	625.3	861.0	1335.1	2434.4	4469.1	4364.0	4556.2	4192.3
70°	479.2	479.2	504.8	543.3	702.1	1171.1	2011.6	4184.6	4264.1	4274.3	3974.5
72.5°	399.8	402.3	427.9	461.3	563.8	978.9	1591.3	3900.2	3936.1	3800.2	3495.3
75°	287.0	297.3	325.4	358.8	445.9	776.5	1130.1	3169.9	3356.9	3597.8	3003.3
77.5°	43.6	43.6	53.8	82.0	146.1	389.5	522.8	1750.2	1942.4	3011.0	2624.0
80°	35.9	35.9	38.4	53.8	84.6	217.8	169.1	548.4	589.4	1383.8	1478.6
82.5°	17.9	17.9	28.2	38.4	51.3	64.1	71.8	263.9	304.9	471.5	589.4
85°	10.3	10.3	12.8	17.9	20.5	20.5	23.1	125.6	130.7	256.3	266.5
87.5°	2.6	2.6	5.1	5.1	5.1	2.6	2.6	2.6	2.6	2.6	2.6
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: P691569

CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7030-U0-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4	1368.4
2.5°	1363.3	1355.6	1340.2	1327.4	1319.7	1304.3	1291.5	1281.3	1276.1	1289.0	1291.5
5°	1365.8	1347.9	1319.7	1301.8	1281.3	1255.6	1224.9	1207.0	1199.3	1201.8	1209.5
7.5°	1371.0	1345.3	1312.0	1273.6	1219.8	1168.5	1132.6	1112.1	1101.9	1114.7	1114.7
10°	1355.6	1327.4	1281.3	1222.3	1153.1	1101.9	1060.9	1025.0	1012.2	1017.3	1019.9
12.5°	1355.6	1317.1	1240.3	1168.5	1104.5	1019.9	958.4	925.1	912.3	914.8	920.0
15°	1363.3	1312.0	1204.4	1117.3	1022.5	932.8	879.0	838.0	825.1	812.3	817.5
17.5°	1388.9	1304.3	1186.5	1048.1	943.0	858.5	784.1	738.0	727.8	727.8	730.3
20°	1414.5	1314.6	1155.7	996.8	871.3	766.2	689.3	656.0	632.9	622.7	632.9
22.5°	1468.3	1350.5	1135.2	963.5	797.0	697.0	625.3	550.9	509.9	492.0	497.1
25°	1565.7	1414.5	1150.6	904.6	755.9	632.9	533.0	443.3	386.9	369.0	374.1
27.5°	1716.9	1519.6	1168.5	899.5	681.6	568.9	433.1	335.7	292.1	274.2	279.3
30°	1865.5	1663.1	1227.5	848.2	653.4	466.4	328.0	258.8	215.3	197.3	202.4
32.5°	1993.7	1801.5	1301.8	835.4	579.1	351.1	246.0	192.2	158.9	143.5	146.1
35°	2183.3	1919.3	1365.8	797.0	492.0	263.9	179.4	138.4	120.4	115.3	115.3
37.5°	2352.4	2057.7	1427.3	784.1	369.0	197.3	128.1	112.8	110.2	102.5	102.5
40°	2529.2	2203.8	1455.5	738.0	269.1	138.4	105.1	105.1	102.5	94.8	94.8
42.5°	2736.8	2352.4	1481.1	684.2	192.2	105.1	97.4	99.9	97.4	89.7	87.1
45°	2885.4	2444.7	1488.8	548.4	133.3	99.9	92.3	94.8	92.3	87.1	84.6
47.5°	3021.2	2577.9	1455.5	384.4	107.6	94.8	89.7	89.7	89.7	82.0	79.4
50°	3162.2	2688.1	1427.3	207.6	105.1	92.3	84.6	82.0	84.6	79.4	76.9
52.5°	3349.2	2772.7	1353.0	140.9	102.5	89.7	82.0	76.9	79.4	74.3	76.9
55°	3597.8	2995.6	1217.2	133.3	102.5	87.1	79.4	71.8	71.8	69.2	69.2
57.5°	3710.6	3080.2	999.4	128.1	99.9	87.1	74.3	66.6	61.5	58.9	56.4
60°	3848.9	3203.2	771.3	117.9	92.3	82.0	66.6	58.9	51.3	48.7	48.7
62.5°	3920.7	3231.4	609.9	105.1	84.6	71.8	58.9	48.7	41.0	35.9	35.9
65°	3961.7	3216.0	425.4	94.8	74.3	64.1	51.3	41.0	30.8	28.2	25.6
67.5°	3823.3	3123.7	248.6	82.0	64.1	56.4	43.6	33.3	25.6	23.1	20.5
70°	3546.6	2841.9	156.3	71.8	56.4	48.7	38.4	28.2	20.5	17.9	17.9
72.5°	3249.3	2290.9	107.6	56.4	43.6	38.4	28.2	23.1	17.9	12.8	12.8
75°	2923.9	1988.5	79.4	41.0	30.8	28.2	23.1	17.9	15.4	10.3	10.3
77.5°	2073.1	1317.1	64.1	30.8	20.5	17.9	15.4	12.8	10.3	10.3	7.7
80°	1224.9	643.2	48.7	20.5	15.4	12.8	10.3	10.3	7.7	7.7	7.7
82.5°	458.7	246.0	33.3	15.4	10.3	10.3	7.7	7.7	5.1	5.1	5.1
85°	166.6	61.5	15.4	7.7	7.7	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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)