

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: P691202

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

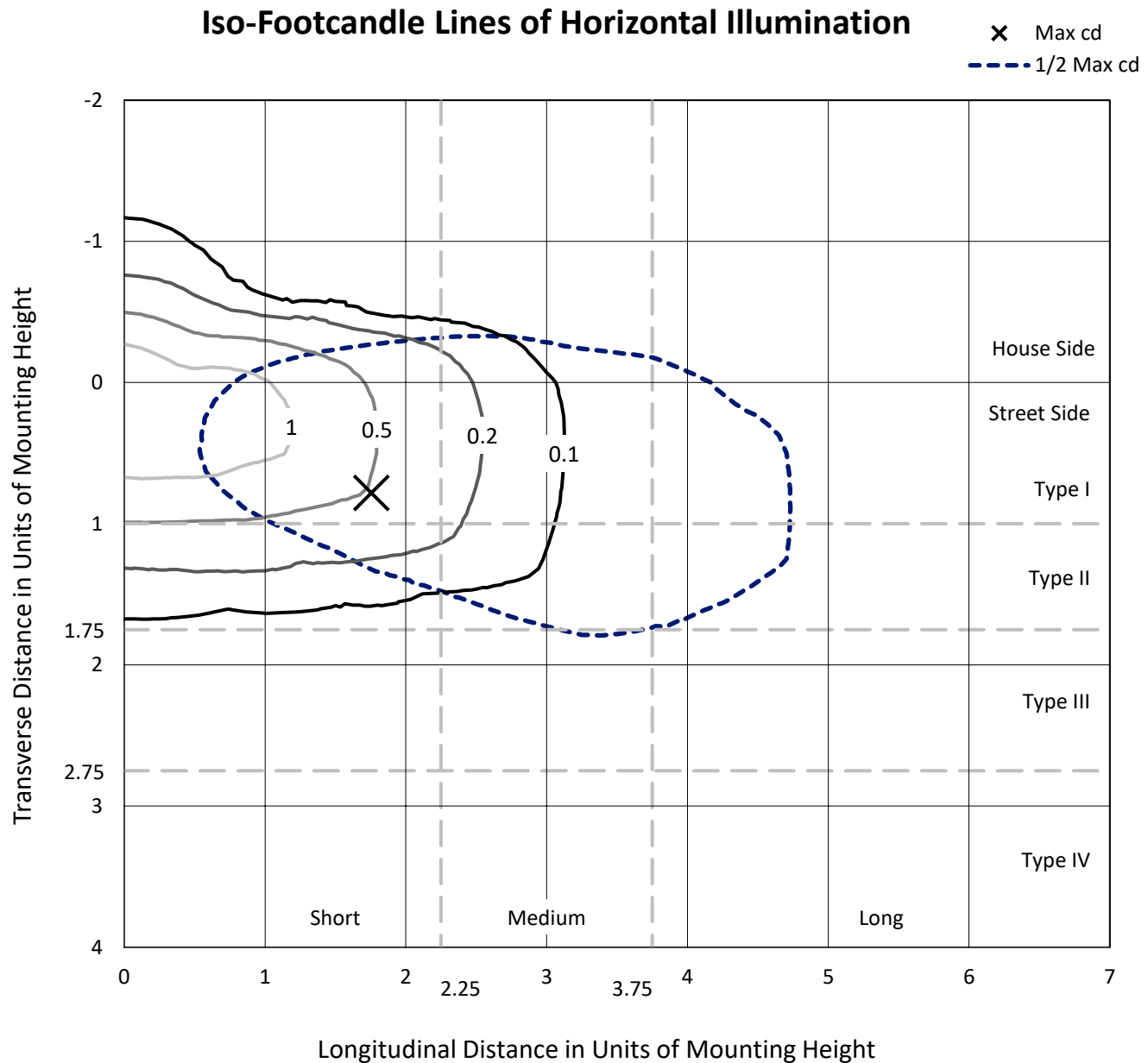
Lumens per Lamp: N/A
Luminaire Lumens: 4599 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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: P691202

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0

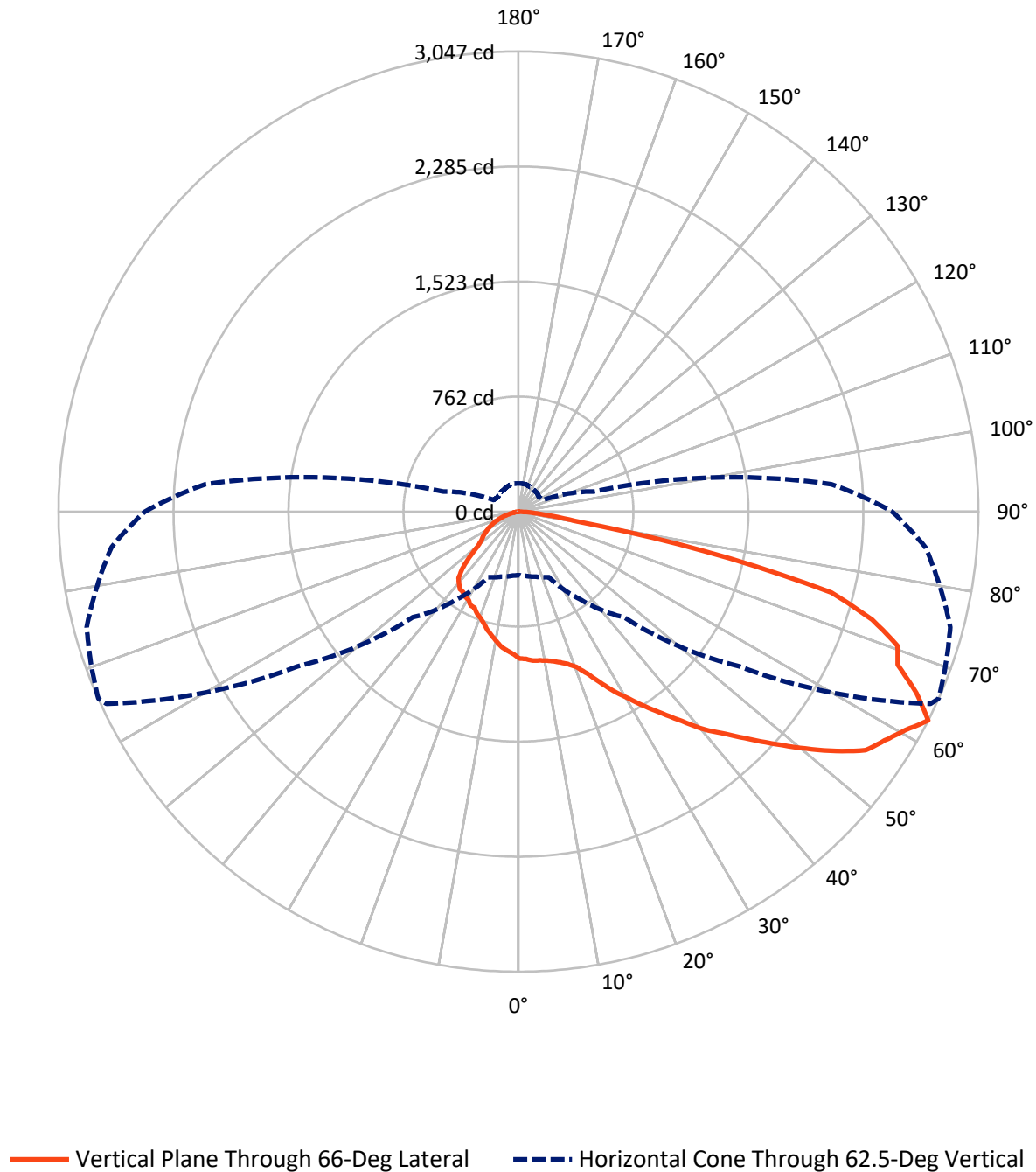


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc

Type II - Short - N/A

REPORT NUMBER: P691202
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0

Luminous Intensity Polar Plot



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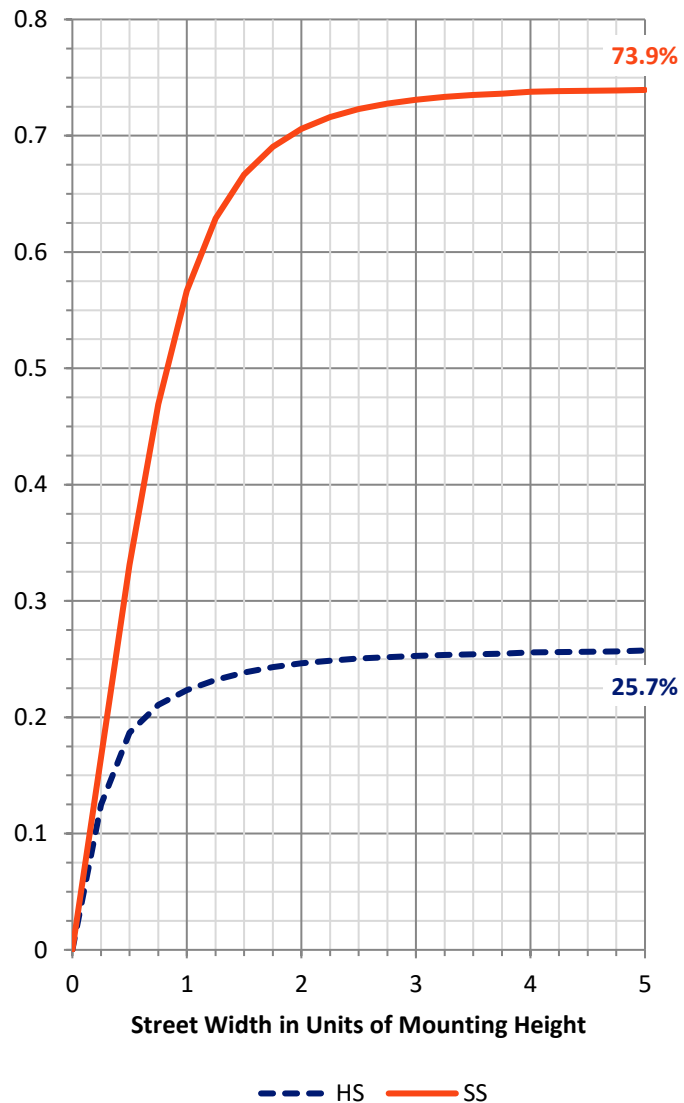
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.7	0.0	1201.7
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	3397.3	0.0	3397.3
	% Fixture	73.9	0.0	73.9
Total	Lumens	4599.0	0.0	4599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	2.0
10°-20°	258.3	5.6
20°-30°	419.4	9.1
30°-40°	604.8	13.2
40°-50°	786.8	17.1
50°-60°	913.8	19.9
60°-70°	904.1	19.7
70°-80°	560.0	12.2
80°-90°	60.8	1.3
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°	4599.0	100.0
0°-180°	4599.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691202

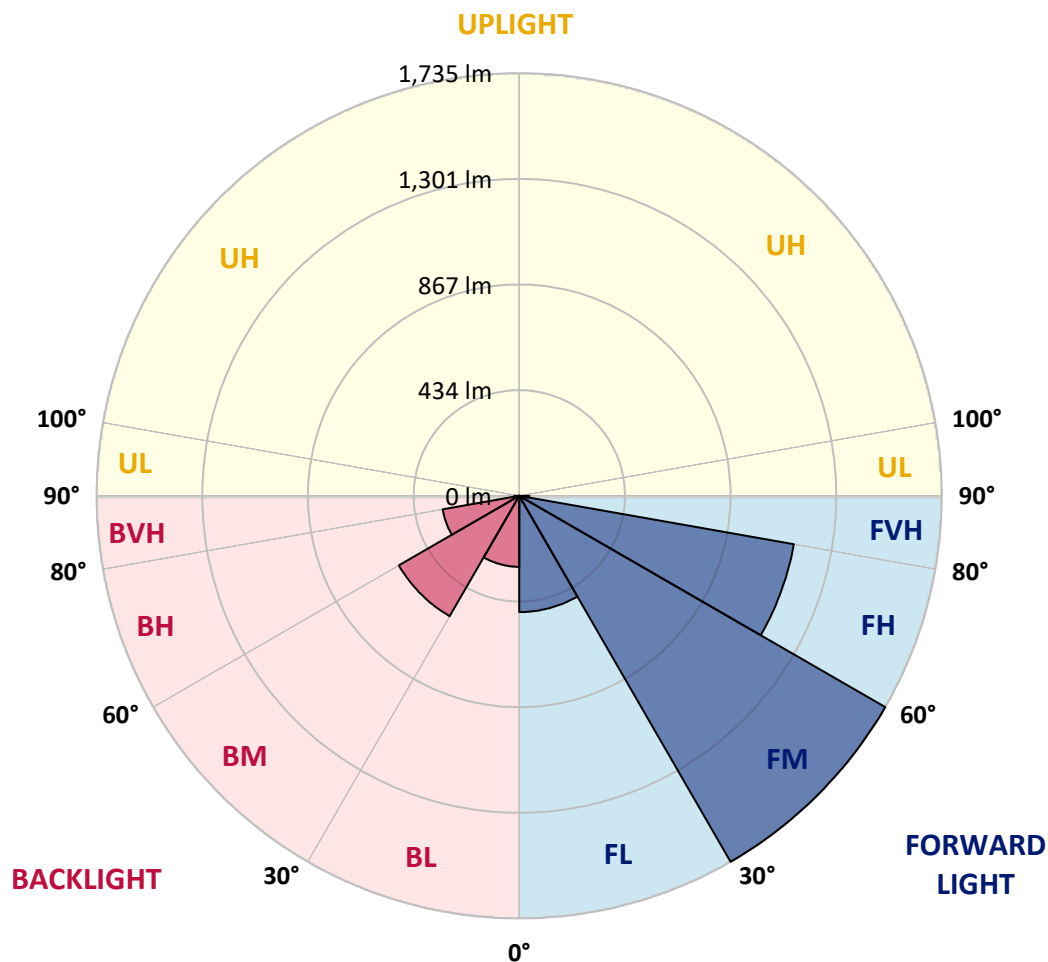
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	477.1	10.4			
FM	(30°-60°)	1734.8	37.7			
FH	(60°-80°)	1144.6	24.9			G1/1800
FVH	(80°-90°)	40.8	0.9			G1/100
BL	(0°-30°)	291.5	6.3	B1/500		
BM	(30°-60°)	570.6	12.4	B1/1000		
BH	(60°-80°)	319.6	6.9	B1/500		G1/500
BVH	(80°-90°)	20.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P691202

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8
2.5°	1007.6	1007.6	1010.8	999.7	993.4	988.6	983.9	979.1	977.5	972.8	966.5
5°	1051.9	1051.9	1053.5	1042.4	1029.7	1015.5	1001.3	991.8	991.8	980.7	964.9
7.5°	1075.6	1075.6	1075.6	1063.0	1055.1	1045.6	1023.4	996.5	994.9	983.9	961.7
10°	1075.6	1075.6	1081.9	1063.0	1056.6	1047.1	1034.5	1006.0	1002.9	977.5	947.5
12.5°	1094.6	1097.8	1094.6	1074.0	1067.7	1059.8	1042.4	1018.7	1017.1	983.9	941.2
15°	1121.5	1123.1	1118.3	1104.1	1097.8	1085.1	1064.5	1039.2	1036.1	996.5	945.9
17.5°	1127.8	1129.4	1132.6	1115.2	1115.2	1110.4	1099.3	1069.3	1061.4	1026.6	960.1
20°	1124.7	1126.2	1131.0	1127.8	1129.4	1126.2	1134.1	1108.8	1099.3	1061.4	982.3
22.5°	1138.9	1142.1	1151.5	1153.1	1159.5	1165.8	1168.9	1170.5	1164.2	1119.9	1028.2
25°	1143.6	1153.1	1165.8	1183.2	1205.3	1218.0	1235.4	1252.8	1251.2	1206.9	1104.1
27.5°	1121.5	1132.6	1172.1	1199.0	1248.0	1282.8	1322.4	1346.1	1346.1	1309.7	1191.1
30°	1142.1	1146.8	1167.4	1205.3	1262.3	1341.4	1403.0	1433.1	1436.3	1412.5	1276.5
32.5°	1099.3	1110.4	1161.0	1233.8	1320.8	1407.8	1469.5	1534.3	1537.5	1529.6	1401.5
35°	1094.6	1100.9	1129.4	1206.9	1319.2	1469.5	1551.7	1634.0	1641.9	1651.4	1523.3
37.5°	1045.6	1058.2	1113.6	1210.1	1363.5	1510.6	1621.3	1747.9	1760.5	1790.6	1627.7
40°	993.4	1002.9	1048.7	1153.1	1349.3	1562.8	1689.4	1882.3	1898.1	1923.5	1771.6
42.5°	922.2	941.2	1020.3	1129.4	1342.9	1578.6	1765.3	2005.7	2012.0	2056.3	1885.5
45°	855.7	862.1	922.2	1047.1	1287.6	1602.4	1822.2	2144.9	2149.7	2178.1	1980.4
47.5°	802.0	809.9	871.6	977.5	1237.0	1596.0	1879.2	2279.4	2301.5	2333.1	2095.9
50°	635.9	653.3	816.2	917.4	1150.0	1585.0	1925.0	2440.7	2466.0	2496.1	2219.3
52.5°	548.9	556.8	639.0	857.3	1064.5	1537.5	1967.7	2605.2	2635.3	2619.4	2375.8
55°	510.9	515.7	553.6	738.7	988.6	1447.3	1999.4	2758.6	2790.3	2714.4	2499.2
57.5°	484.0	490.4	512.5	604.2	903.2	1289.2	2002.5	2848.8	2859.9	2793.4	2549.8
60°	447.6	452.4	484.0	528.3	803.5	1123.1	1945.6	2888.3	2940.5	2877.3	2663.7
62.5°	420.8	425.5	446.1	479.3	707.1	990.2	1787.4	3011.7	3046.5	2961.1	2706.4
65°	389.1	389.1	409.7	442.9	645.4	909.5	1705.2	2972.2	2896.3	2937.4	2758.6
67.5°	343.2	346.4	367.0	393.9	541.0	832.0	1502.7	2788.7	2709.6	2823.5	2621.0
70°	305.3	302.1	324.3	344.8	442.9	734.0	1244.9	2598.9	2663.7	2651.1	2494.5
72.5°	254.7	251.5	270.5	292.6	357.5	609.0	983.9	2412.2	2450.2	2371.1	2212.9
75°	197.7	178.7	205.6	234.1	281.6	482.4	697.6	1997.8	2140.2	2235.1	1887.1
77.5°	31.6	31.6	39.5	55.4	91.7	245.2	311.6	1097.8	1259.1	1902.9	1654.6
80°	25.3	25.3	28.5	38.0	55.4	134.5	104.4	340.1	379.6	820.9	952.2
82.5°	14.2	14.2	20.6	25.3	34.8	41.1	45.9	166.1	185.1	291.0	368.6
85°	7.9	7.9	11.1	12.7	14.2	14.2	14.2	75.9	85.4	155.0	167.7
87.5°	4.7	4.7	4.7	4.7	4.7	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



REPORT NUMBER: P691202

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8	972.8
2.5°	963.3	958.6	950.7	944.3	939.6	934.8	926.9	922.2	922.2	930.1	931.7
5°	955.4	944.3	930.1	923.8	915.9	907.9	895.3	889.0	887.4	892.1	895.3
7.5°	949.1	933.3	919.0	903.2	879.5	858.9	847.8	839.9	843.1	851.0	847.8
10°	930.1	915.9	893.7	870.0	841.5	824.1	806.7	797.2	798.8	803.5	798.8
12.5°	922.2	903.2	866.8	838.3	813.0	779.8	757.7	743.4	743.4	751.4	751.4
15°	922.2	893.7	844.7	809.9	770.3	737.1	711.8	699.2	707.1	702.3	699.2
17.5°	930.1	885.8	830.4	771.9	724.5	691.2	661.2	643.8	648.5	651.7	648.5
20°	939.6	885.8	813.0	741.9	686.5	639.0	605.8	586.8	585.3	586.8	590.0
22.5°	971.2	906.4	802.0	722.9	639.0	593.2	560.0	526.7	525.2	523.6	526.7
25°	1025.0	944.3	809.9	688.1	612.2	544.1	503.0	474.5	465.0	463.5	466.6
27.5°	1113.6	1010.8	822.5	683.3	563.1	501.4	450.8	419.2	409.7	412.8	411.3
30°	1210.1	1096.2	858.9	650.1	534.6	438.2	390.7	363.8	354.3	348.0	349.6
32.5°	1281.2	1181.6	904.8	639.0	479.3	370.1	335.3	319.5	308.4	300.5	299.0
35°	1393.6	1254.4	945.9	613.7	430.2	325.8	297.4	280.0	273.6	268.9	268.9
37.5°	1501.1	1342.9	987.0	605.8	367.0	295.8	261.0	249.9	246.8	243.6	243.6
40°	1608.7	1433.1	1010.8	574.2	316.4	259.4	226.2	224.6	229.4	226.2	227.8
42.5°	1741.6	1526.4	1034.5	544.1	280.0	221.5	202.5	215.1	224.6	226.2	226.2
45°	1833.3	1589.7	1044.0	471.4	242.0	193.0	197.7	212.0	223.0	227.8	226.2
47.5°	1917.1	1675.1	1029.7	382.8	210.4	188.2	196.1	205.6	221.5	227.8	227.8
50°	1999.4	1746.3	1017.1	283.1	199.3	189.8	196.1	200.9	218.3	224.6	224.6
52.5°	2114.9	1803.2	974.4	237.3	189.8	191.4	200.9	199.3	213.5	223.0	226.2
55°	2274.6	1936.1	892.1	224.6	188.2	189.8	200.9	200.9	210.4	218.3	223.0
57.5°	2345.8	1993.1	752.9	212.0	183.5	188.2	196.1	197.7	208.8	213.5	212.0
60°	2426.5	2064.2	616.9	197.7	175.6	185.1	188.2	194.6	202.5	202.5	200.9
62.5°	2475.5	2081.6	514.1	181.9	166.1	174.0	174.0	180.3	186.7	186.7	186.7
65°	2499.2	2064.2	384.4	167.7	155.0	161.3	159.8	162.9	167.7	159.8	159.8
67.5°	2405.9	1999.4	265.7	148.7	142.4	148.7	147.1	148.7	147.1	140.8	142.4
70°	2246.1	1817.5	183.5	126.5	125.0	136.0	137.6	134.5	125.0	120.2	120.2
72.5°	2045.3	1458.4	126.5	101.2	106.0	120.2	123.4	117.1	107.6	102.8	102.8
75°	1855.4	1260.7	90.2	69.6	71.2	91.7	98.1	98.1	94.9	126.5	134.5
77.5°	1290.7	816.2	52.2	36.4	34.8	52.2	60.1	61.7	118.6	128.1	125.0
80°	765.6	384.4	38.0	22.1	22.1	30.1	41.1	80.7	136.0	91.7	82.3
82.5°	292.6	147.1	23.7	14.2	12.7	15.8	23.7	125.0	79.1	52.2	47.5
85°	106.0	36.4	11.1	7.9	7.9	9.5	14.2	106.0	55.4	39.5	38.0
87.5°	1.6	1.6	3.2	3.2	3.2	1.6	1.6	3.2	3.2	3.2	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)