

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: P691198

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
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-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3946 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

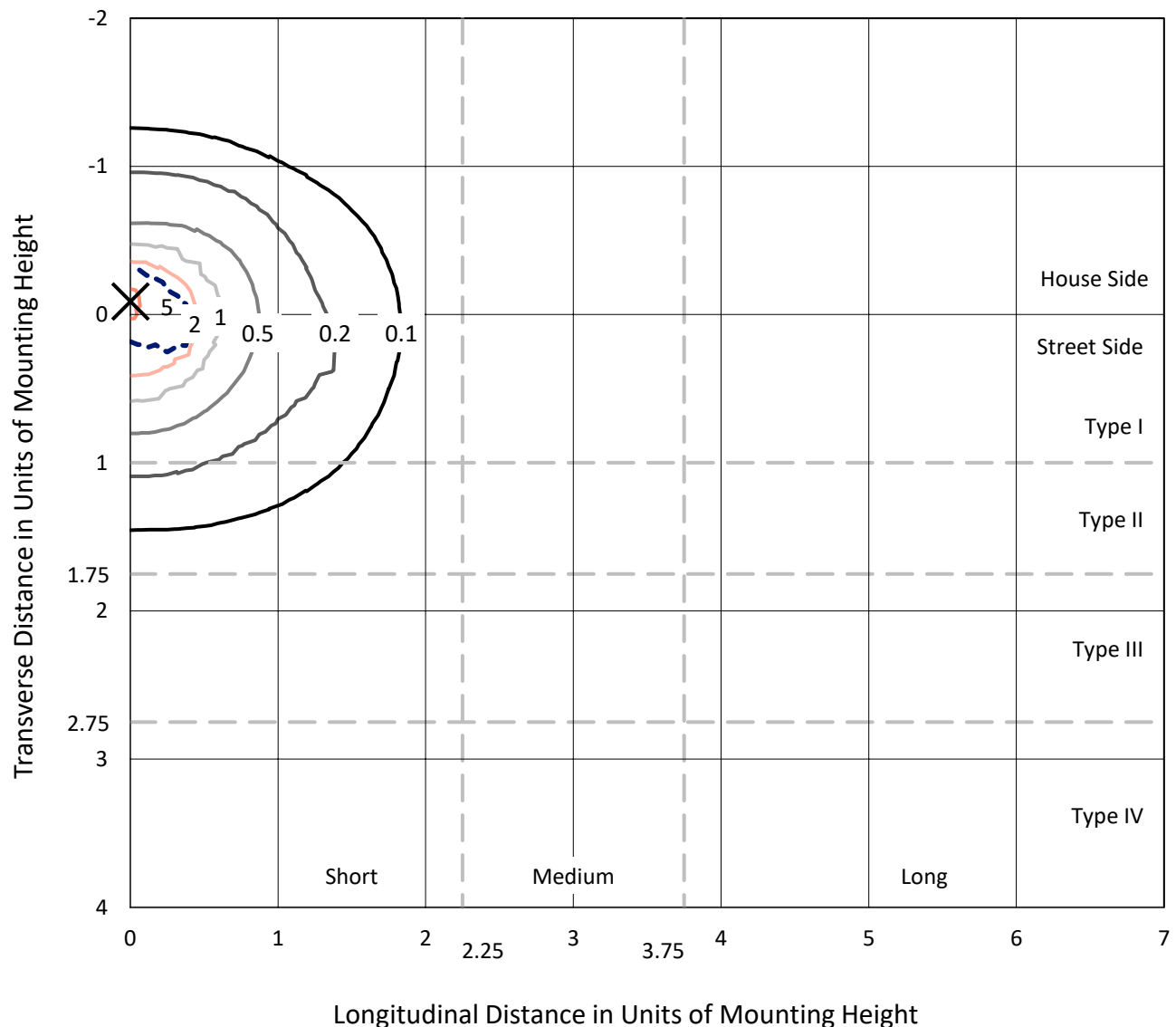
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

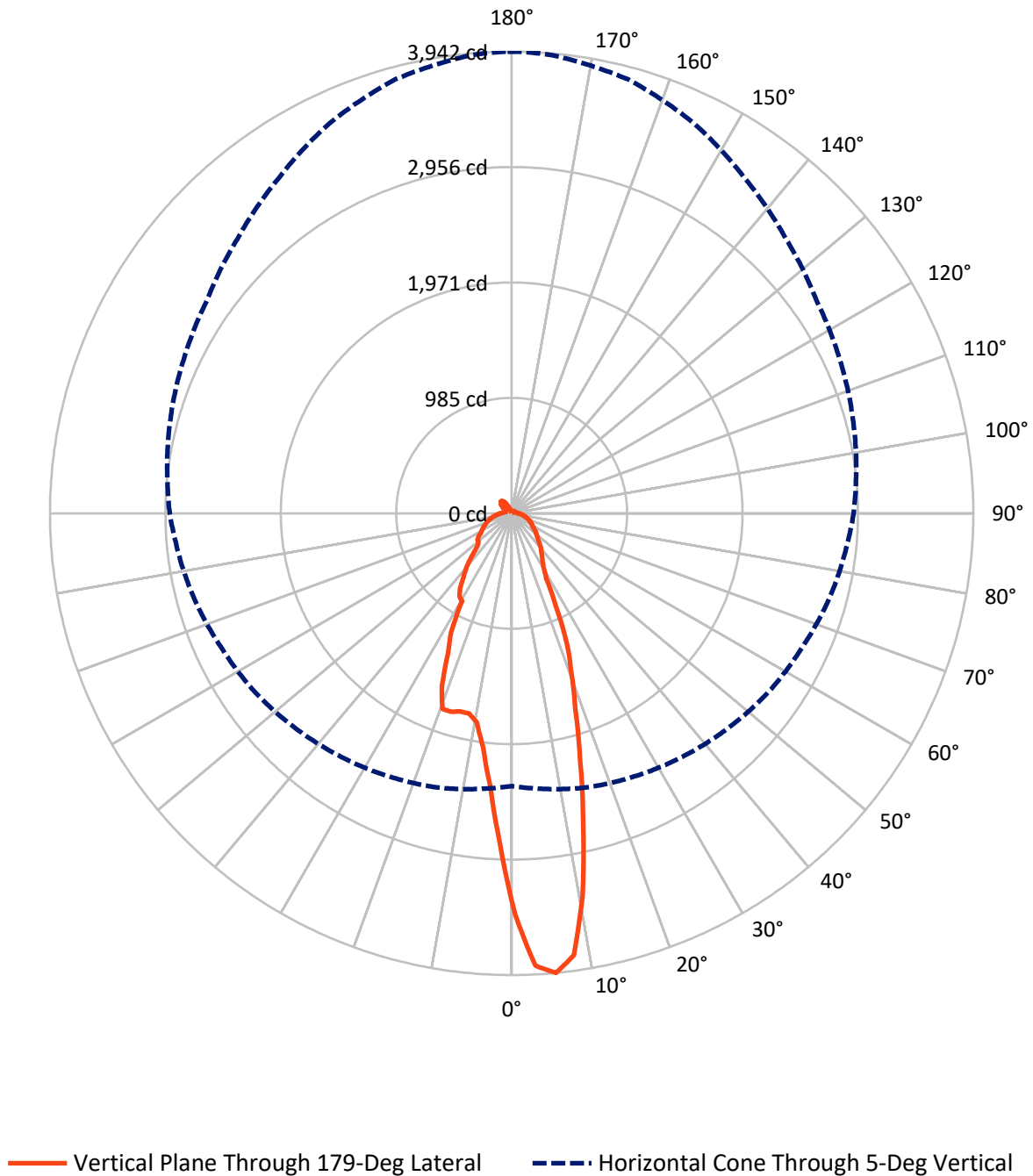
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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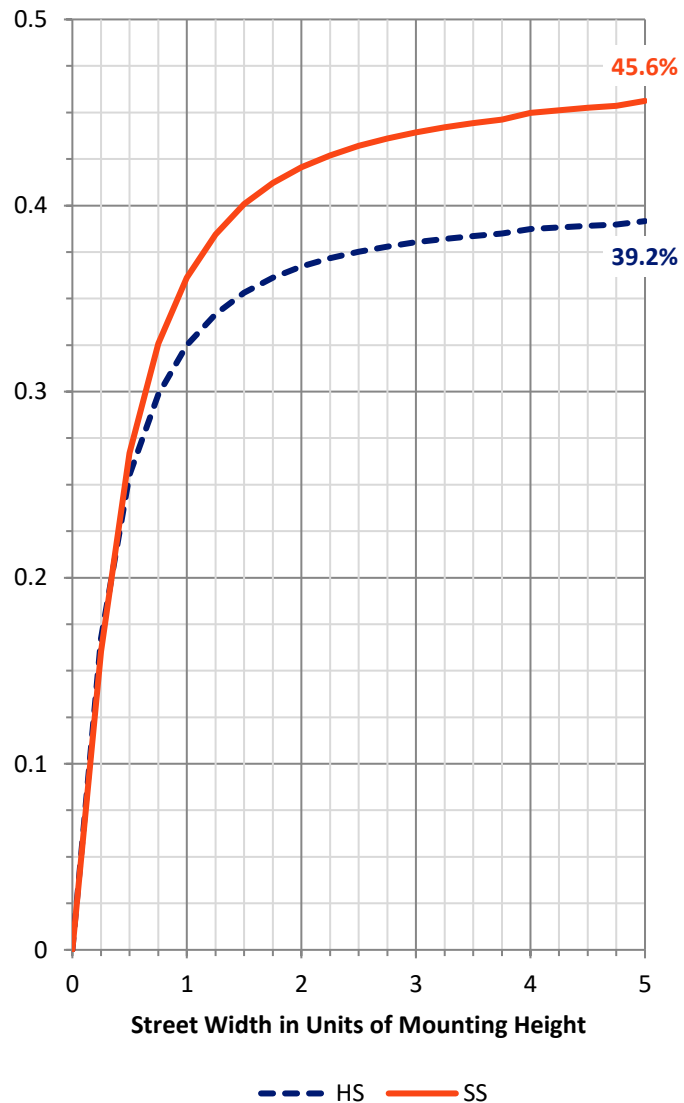
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1587.9	193.1	1781.0
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1843.1	321.9	2165.0
	% Fixture	46.7	8.2	54.9
Total	Lumens	3431.0	515.0	3946.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.7	6.8
10°-20°	571.1	14.5
20°-30°	620.5	15.7
30°-40°	459.2	11.6
40°-50°	384.6	9.7
50°-60°	386.7	9.8
60°-70°	329.2	8.3
70°-80°	245.9	6.2
80°-90°	166.0	4.2
90°-100°	99.2	2.5
100°-110°	57.3	1.5
110°-120°	52.8	1.3
120°-130°	76.3	1.9
130°-140°	104.4	2.6
140°-150°	86.1	2.2
150°-160°	34.7	0.9
160°-170°	4.3	0.1
170°-180°	0.0	0.0
0°-90°	3431.0	86.9
0°-180°	3946.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691198

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2
2.5°	2822.9	2838.7	2873.5	2890.9	2908.3	2930.5	2963.7	2989.0	3047.6	3101.4	3123.5
5°	2329.2	2357.7	2424.1	2477.9	2538.1	2601.3	2669.4	2729.5	2807.0	2878.3	2919.4
7.5°	2001.6	2025.4	2104.5	2208.9	2314.9	2403.6	2473.2	2519.1	2553.9	2582.4	2612.4
10°	1802.3	1822.8	1902.0	1995.3	2085.5	2167.8	2226.3	2270.6	2283.3	2311.8	2326.0
12.5°	1745.3	1754.8	1810.2	1875.1	1930.4	2011.1	2080.8	2128.2	2148.8	2174.1	2182.0
15°	1746.9	1746.9	1778.5	1819.7	1870.3	1932.0	2009.6	2066.5	2096.6	2110.8	2109.2
17.5°	1770.6	1769.0	1783.3	1816.5	1859.2	1920.9	2000.1	2058.6	2093.4	2098.2	2093.4
20°	1770.6	1772.2	1777.0	1814.9	1856.1	1911.5	1992.1	2041.2	2068.1	2053.9	2038.0
22.5°	1590.2	1588.7	1629.8	1710.5	1821.3	1936.8	2009.6	2069.7	2076.0	2023.8	1981.1
25°	1313.3	1302.3	1326.0	1362.4	1436.8	1571.2	1723.2	1951.0	2087.1	2057.0	1992.1
27.5°	1139.3	1125.0	1145.6	1129.8	1121.9	1112.4	1102.9	1076.0	1093.4	1109.2	1178.8
30°	859.2	862.4	867.1	876.6	895.6	933.6	973.1	996.9	1017.4	1058.6	1053.8
32.5°	840.2	838.6	840.2	849.7	859.2	882.9	906.7	919.3	935.2	974.7	965.2
35°	776.9	773.8	784.8	789.6	788.0	794.3	818.1	832.3	846.5	871.9	862.4
37.5°	683.6	686.7	710.5	723.1	727.9	742.1	761.1	773.8	791.2	810.2	805.4
40°	613.9	612.4	637.7	655.1	666.2	688.3	716.8	735.8	764.3	780.1	769.0
42.5°	528.5	534.8	553.8	571.2	574.4	585.5	610.8	632.9	667.7	691.5	685.1
45°	444.6	449.4	465.2	479.4	490.5	504.8	523.7	542.7	571.2	590.2	588.6
47.5°	392.4	397.2	409.8	427.2	443.1	463.6	482.6	501.6	528.5	542.7	538.0
50°	371.8	375.0	389.3	408.2	432.0	457.3	482.6	503.2	528.5	538.0	530.1
52.5°	370.3	370.3	387.7	416.2	449.4	484.2	517.4	545.9	569.6	569.6	553.8
55°	348.1	351.3	373.4	411.4	462.0	519.0	577.5	631.3	663.0	656.7	626.6
57.5°	316.5	318.0	341.8	378.2	432.0	501.6	580.7	648.8	686.7	694.6	663.0
60°	297.5	299.1	314.9	349.7	395.6	451.0	523.7	577.5	615.5	639.3	613.9
62.5°	281.7	281.7	297.5	321.2	359.2	400.3	441.5	477.9	507.9	525.3	511.1
65°	264.2	264.2	275.3	297.5	327.5	367.1	398.7	425.6	452.5	465.2	452.5
67.5°	246.8	246.8	257.9	278.5	305.4	338.6	370.3	395.6	422.5	432.0	422.5
70°	229.4	229.4	240.5	257.9	283.2	314.9	338.6	365.5	390.8	397.2	389.3
72.5°	212.0	212.0	223.1	238.9	261.1	291.1	313.3	333.9	357.6	362.4	354.4
75°	196.2	196.2	204.1	219.9	240.5	267.4	289.6	308.6	327.5	327.5	321.2
77.5°	178.8	180.4	186.7	201.0	219.9	245.3	265.8	283.2	299.1	299.1	291.1
80°	161.4	163.0	169.3	182.0	199.4	223.1	242.1	257.9	272.2	272.2	264.2
82.5°	144.0	145.6	151.9	163.0	178.8	201.0	219.9	235.8	248.4	246.8	238.9
85°	128.2	129.8	134.5	144.0	158.2	180.4	197.8	212.0	223.1	221.5	215.2
87.5°	112.3	113.9	118.7	126.6	139.2	159.8	177.2	189.9	199.4	197.8	191.5
90°	98.1	98.1	102.9	110.8	121.8	139.2	155.1	166.1	175.6	172.5	166.1
92.5°	85.4	87.0	90.2	96.5	106.0	121.8	136.1	145.6	155.1	153.5	147.2
95°	76.0	76.0	79.1	83.9	91.8	104.4	118.7	126.6	132.9	132.9	128.2
97.5°	66.5	68.0	69.6	72.8	79.1	88.6	99.7	107.6	112.3	112.3	109.2
100°	60.1	61.7	61.7	64.9	68.0	74.4	82.3	88.6	93.4	93.4	91.8
102.5°	57.0	57.0	57.0	58.5	60.1	63.3	68.0	71.2	74.4	76.0	74.4
105°	53.8	53.8	53.8	55.4	55.4	58.5	60.1	63.3	64.9	64.9	63.3
107.5°	52.2	52.2	53.8	53.8	53.8	55.4	58.5	58.5	60.1	58.5	58.5
110°	53.8	53.8	53.8	53.8	53.8	55.4	57.0	57.0	57.0	57.0	55.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.4	55.4	55.4	55.4	57.0	57.0	57.0	58.5	58.5	57.0	57.0
115°	60.1	60.1	60.1	60.1	60.1	61.7	61.7	61.7	61.7	60.1	58.5
117.5°	64.9	64.9	64.9	66.5	66.5	68.0	66.5	68.0	66.5	64.9	64.9
120°	72.8	72.8	74.4	76.0	77.5	77.5	76.0	77.5	77.5	74.4	72.8
122.5°	82.3	82.3	83.9	88.6	90.2	91.8	90.2	90.2	90.2	87.0	85.4
125°	91.8	93.4	96.5	102.9	107.6	110.8	107.6	109.2	109.2	104.4	102.9
127.5°	102.9	104.4	110.8	120.3	128.2	131.3	129.8	131.3	132.9	125.0	121.8
130°	113.9	113.9	123.4	137.7	148.7	153.5	155.1	156.7	158.2	150.3	144.0
132.5°	123.4	123.4	136.1	153.5	167.7	175.6	178.8	182.0	185.1	174.1	166.1
135°	129.8	131.3	147.2	167.7	185.1	196.2	201.0	204.1	208.9	196.2	186.7
137.5°	134.5	137.7	153.5	175.6	194.6	210.4	219.9	224.7	227.9	215.2	202.5
140°	136.1	137.7	155.1	177.2	196.2	213.6	227.9	235.8	237.3	224.7	212.0
142.5°	131.3	134.5	150.3	172.5	191.5	210.4	226.3	234.2	235.8	224.7	212.0
145°	125.0	126.6	140.8	161.4	180.4	201.0	218.4	226.3	226.3	216.8	204.1
147.5°	113.9	115.5	128.2	145.6	164.6	185.1	202.5	210.4	212.0	202.5	191.5
150°	98.1	99.7	109.2	123.4	142.4	163.0	178.8	188.3	188.3	178.8	170.9
152.5°	79.1	80.7	88.6	99.7	115.5	134.5	148.7	158.2	158.2	151.9	142.4
155°	61.7	61.7	68.0	77.5	88.6	102.9	113.9	121.8	123.4	117.1	110.8
157.5°	44.3	44.3	49.1	57.0	66.5	77.5	85.4	91.8	91.8	87.0	83.9
160°	30.1	30.1	33.2	38.0	44.3	52.2	58.5	64.9	64.9	61.7	58.5
162.5°	15.8	15.8	19.0	22.2	26.9	33.2	36.4	41.1	41.1	39.6	38.0
165°	4.7	4.7	6.3	7.9	11.1	14.2	15.8	19.0	20.6	19.0	17.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	3.2	4.7	4.7	4.7	4.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2	3424.2
2.5°	3147.2	3246.9	3337.1	3430.5	3546.0	3647.3	3756.4	3834.0	3867.2	3867.2	3879.9
5°	2949.5	3019.1	3091.9	3174.1	3311.8	3481.1	3675.7	3835.6	3927.3	3941.6	3940.0
7.5°	2621.9	2669.4	2743.8	2835.5	2962.1	3114.0	3364.0	3614.0	3780.2	3810.2	3799.2
10°	2333.9	2378.2	2422.5	2457.4	2547.5	2667.8	2851.4	3095.0	3286.5	3316.6	3292.8
12.5°	2186.8	2201.0	2199.4	2220.0	2256.4	2316.5	2409.9	2550.7	2682.0	2710.5	2690.0
15°	2109.2	2088.7	2057.0	2020.6	2017.5	2027.0	2050.7	2107.7	2163.0	2186.8	2171.0
17.5°	2077.6	2028.5	1963.7	1892.5	1845.0	1800.7	1770.6	1751.6	1759.5	1761.1	1748.5
20°	2003.2	1944.7	1840.2	1739.0	1663.0	1585.5	1519.0	1470.0	1462.1	1454.2	1444.7
22.5°	1919.4	1819.7	1694.7	1571.2	1458.9	1356.1	1281.7	1223.1	1201.0	1208.9	1204.2
25°	1902.0	1735.8	1583.9	1384.5	1242.1	1126.6	987.4	892.4	849.7	873.4	857.6
27.5°	1140.9	1145.6	1060.2	939.9	837.1	769.0	707.3	656.7	628.2	628.2	631.3
30°	1033.3	987.4	930.4	856.0	765.8	697.8	629.8	574.4	544.3	536.4	539.6
32.5°	944.6	913.0	859.2	788.0	705.7	636.1	564.9	514.3	485.8	484.2	482.6
35°	849.7	816.5	772.2	710.5	639.3	574.4	512.7	468.4	443.1	444.6	444.6
37.5°	784.8	754.8	715.2	656.7	591.8	526.9	471.5	430.4	409.8	409.8	408.2
40°	751.6	716.8	674.1	620.3	560.1	492.1	439.9	400.3	382.9	382.9	381.3
42.5°	678.8	648.8	620.3	564.9	504.8	449.4	400.3	365.5	348.1	348.1	348.1
45°	576.0	558.6	536.4	498.4	449.4	403.5	362.4	329.1	314.9	313.3	313.3
47.5°	531.7	512.7	485.8	451.0	411.4	368.7	329.1	305.4	291.1	291.1	291.1
50°	519.0	496.9	460.5	419.3	378.2	340.2	305.4	283.2	270.6	270.6	272.2
52.5°	536.4	500.0	451.0	400.3	357.6	314.9	284.8	262.7	253.2	253.2	251.6
55°	596.5	528.5	457.3	395.6	341.8	295.9	264.2	240.5	229.4	229.4	229.4
57.5°	629.8	549.1	462.0	389.3	327.5	281.7	248.4	223.1	212.0	212.0	212.0
60°	591.8	525.3	443.1	376.6	316.5	269.0	234.2	210.4	199.4	197.8	196.2
62.5°	495.3	454.1	395.6	340.2	292.7	251.6	223.1	199.4	188.3	188.3	186.7
65°	441.5	406.7	356.0	308.6	269.0	234.2	207.3	188.3	177.2	175.6	175.6
67.5°	411.4	379.8	329.1	284.8	248.4	216.8	191.5	174.1	166.1	163.0	163.0
70°	378.2	343.4	299.1	259.5	226.3	197.8	177.2	159.8	151.9	150.3	148.7
72.5°	344.9	313.3	272.2	234.2	204.1	180.4	161.4	145.6	137.7	136.1	136.1
75°	310.1	280.1	240.5	208.9	183.5	161.4	144.0	131.3	125.0	123.4	121.8
77.5°	281.7	254.8	216.8	186.7	163.0	145.6	129.8	118.7	112.3	112.3	110.8
80°	254.8	229.4	193.0	166.1	145.6	128.2	115.5	106.0	101.3	99.7	99.7
82.5°	229.4	204.1	170.9	147.2	128.2	113.9	101.3	93.4	88.6	88.6	88.6
85°	205.7	182.0	151.9	129.8	112.3	99.7	88.6	80.7	77.5	76.0	77.5
87.5°	182.0	159.8	134.5	113.9	98.1	85.4	76.0	69.6	66.5	66.5	66.5
90°	159.8	139.2	115.5	96.5	83.9	72.8	64.9	58.5	57.0	55.4	55.4
92.5°	140.8	123.4	102.9	87.0	74.4	66.5	58.5	53.8	50.6	50.6	50.6
95°	123.4	107.6	91.8	77.5	68.0	60.1	53.8	49.1	47.5	47.5	47.5
97.5°	106.0	93.4	80.7	69.6	61.7	55.4	49.1	45.9	44.3	42.7	44.3
100°	88.6	79.1	69.6	61.7	55.4	49.1	44.3	41.1	39.6	39.6	39.6
102.5°	71.2	66.5	58.5	52.2	47.5	44.3	39.6	36.4	34.8	34.8	34.8
105°	61.7	57.0	52.2	47.5	44.3	39.6	36.4	33.2	31.6	31.6	31.6
107.5°	57.0	53.8	49.1	45.9	41.1	38.0	34.8	30.1	28.5	28.5	28.5
110°	55.4	52.2	49.1	44.3	41.1	38.0	34.8	28.5	26.9	26.9	26.9



REPORT NUMBER: P691198

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	55.4	52.2	49.1	45.9	42.7	38.0	34.8	28.5	25.3	25.3	25.3
115°	58.5	55.4	52.2	49.1	44.3	39.6	36.4	28.5	25.3	25.3	25.3
117.5°	63.3	60.1	57.0	52.2	47.5	42.7	36.4	28.5	26.9	26.9	26.9
120°	71.2	68.0	63.3	58.5	52.2	45.9	39.6	30.1	25.3	26.9	26.9
122.5°	82.3	79.1	72.8	64.9	58.5	50.6	41.1	31.6	23.7	26.9	26.9
125°	98.1	93.4	83.9	74.4	64.9	55.4	44.3	33.2	25.3	28.5	28.5
127.5°	115.5	109.2	96.5	83.9	72.8	60.1	47.5	34.8	26.9	28.5	28.5
130°	136.1	125.0	109.2	93.4	79.1	64.9	50.6	36.4	28.5	28.5	28.5
132.5°	156.7	140.8	120.3	102.9	85.4	68.0	52.2	36.4	28.5	28.5	28.5
135°	174.1	155.1	131.3	109.2	88.6	69.6	53.8	36.4	28.5	28.5	28.5
137.5°	189.9	164.6	137.7	112.3	90.2	69.6	52.2	36.4	26.9	26.9	26.9
140°	197.8	169.3	140.8	112.3	88.6	68.0	49.1	33.2	25.3	25.3	25.3
142.5°	197.8	167.7	137.7	109.2	85.4	64.9	45.9	31.6	22.2	23.7	23.7
145°	191.5	161.4	131.3	102.9	79.1	58.5	41.1	26.9	20.6	20.6	20.6
147.5°	177.2	148.7	120.3	93.4	71.2	50.6	36.4	23.7	17.4	15.8	17.4
150°	158.2	131.3	104.4	80.7	60.1	42.7	30.1	19.0	14.2	14.2	14.2
152.5°	132.9	109.2	87.0	66.5	47.5	33.2	22.2	14.2	11.1	11.1	11.1
155°	104.4	85.4	68.0	50.6	36.4	25.3	17.4	11.1	7.9	7.9	7.9
157.5°	79.1	64.9	50.6	36.4	26.9	19.0	12.7	7.9	6.3	6.3	6.3
160°	55.4	44.3	34.8	25.3	17.4	12.7	7.9	4.7	3.2	3.2	3.2
162.5°	34.8	28.5	22.2	14.2	11.1	7.9	4.7	3.2	1.6	1.6	1.6
165°	15.8	14.2	9.5	6.3	4.7	3.2	1.6	1.6	0.0	0.0	0.0
167.5°	4.7	3.2	3.2	1.6	1.6	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

(END OF REPORT)