

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: P691203

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4764 lumens
Efficiency: N/A
Efficacy: 145.7 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): 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

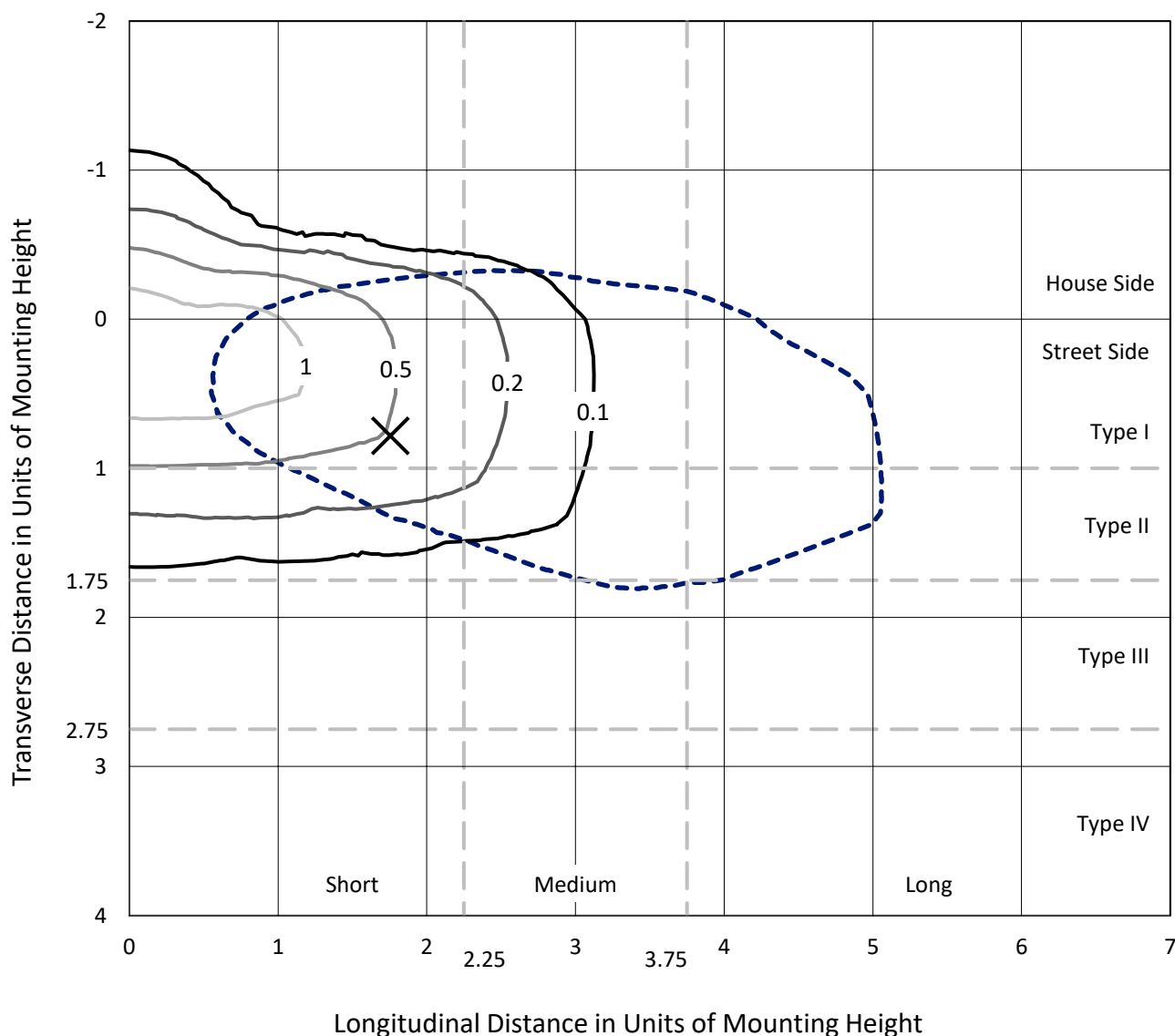


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

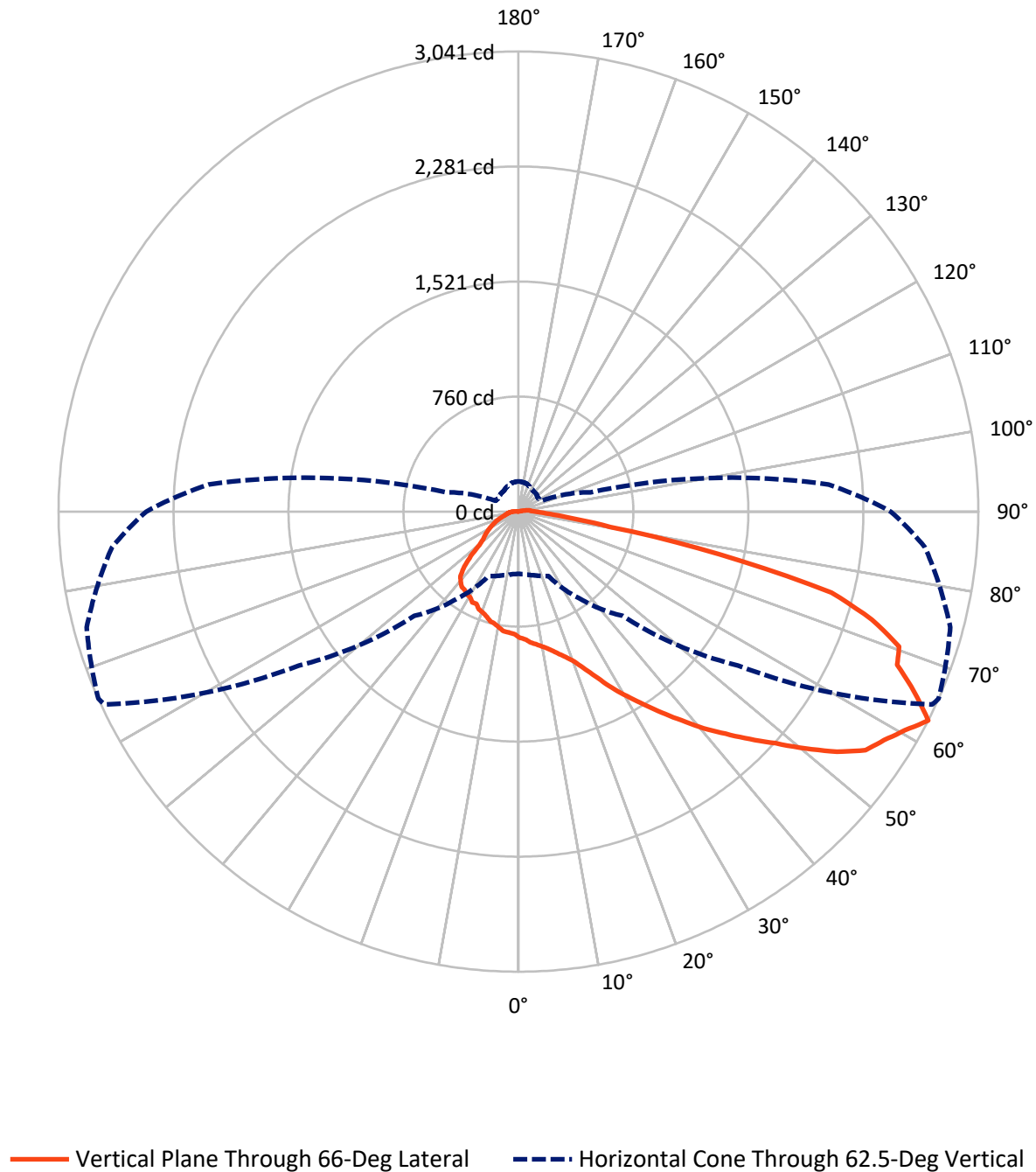
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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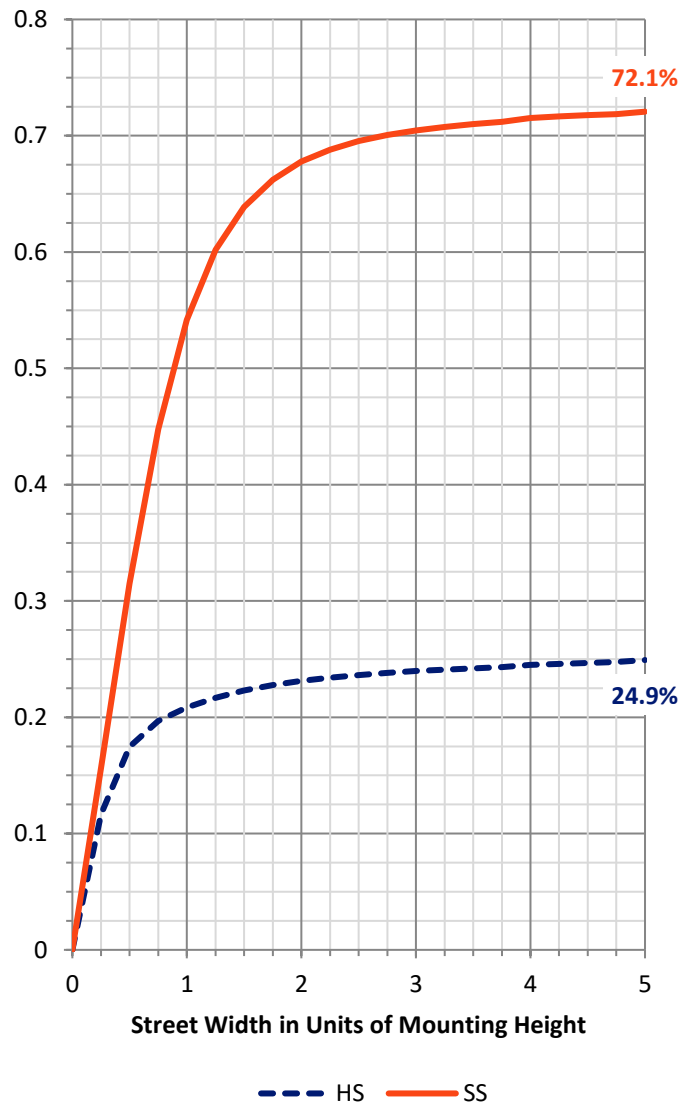
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1240.0	34.3	1274.3
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3455.8	33.9	3489.7
	% Fixture	72.5	0.7	73.3
Total	Lumens	4695.8	68.2	4764.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	1.7
10°-20°	239.5	5.0
20°-30°	405.3	8.5
30°-40°	593.0	12.4
40°-50°	775.1	16.3
50°-60°	901.9	18.9
60°-70°	902.3	18.9
70°-80°	622.6	13.1
80°-90°	176.0	3.7
90°-100°	58.0	1.2
100°-110°	7.9	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4695.8	98.6
0°-180°	4764.0	100.0

Coefficient of Utilization



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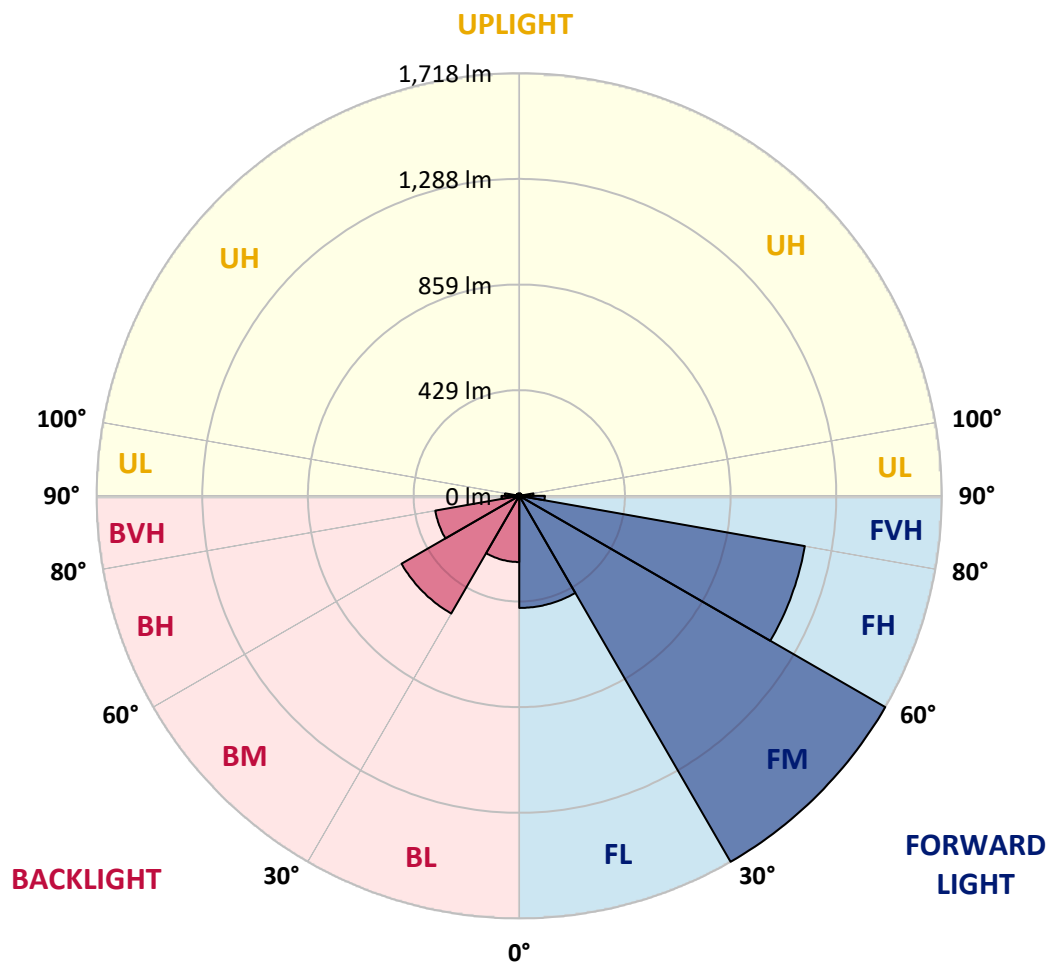
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.7	9.6			
FM	(30°-60°)	1717.6	36.1			
FH	(60°-80°)	1178.6	24.7			G1/1800
FVH	(80°-90°)	103.9	2.2			G2/225
BL	(0°-30°)	269.1	5.6	B1/500		
BM	(30°-60°)	552.5	11.6	B1/1000		
BH	(60°-80°)	346.4	7.3	B1/500		G1/500
BVH	(80°-90°)	72.0	1.5			G1/100
UL	(90°-100°)	58.0	1.2		U3/500	
UH	(100°-180°)	10.2	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°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4
2.5°	875.1	873.5	873.5	865.6	857.7	856.1	851.3	845.0	845.0	840.3	832.4
5°	927.3	925.7	927.3	916.2	905.1	895.7	879.8	871.9	870.3	859.3	843.4
7.5°	963.7	962.1	960.5	951.0	946.3	936.8	914.6	890.9	887.7	876.7	856.1
10°	977.9	979.5	987.4	971.6	962.1	954.2	941.5	913.1	909.9	884.6	852.9
12.5°	1015.9	1017.5	1012.8	993.8	990.6	984.3	963.7	940.0	936.8	905.1	860.8
15°	1055.5	1055.5	1049.1	1038.1	1030.2	1023.8	998.5	973.2	971.6	933.6	881.4
17.5°	1072.9	1076.0	1077.6	1063.4	1060.2	1058.6	1046.0	1014.3	1011.2	974.8	909.9
20°	1084.0	1085.5	1087.1	1085.5	1087.1	1085.5	1091.9	1066.6	1058.6	1020.7	941.5
22.5°	1106.1	1109.3	1120.4	1120.4	1125.1	1136.2	1131.4	1134.6	1131.4	1085.5	995.3
25°	1117.2	1121.9	1136.2	1153.6	1174.2	1186.8	1204.2	1216.9	1218.5	1177.3	1077.6
27.5°	1099.8	1110.9	1147.3	1174.2	1221.6	1254.9	1296.0	1316.6	1319.7	1280.2	1166.2
30°	1121.9	1121.9	1144.1	1182.1	1240.6	1318.2	1381.5	1413.1	1416.3	1386.2	1254.9
32.5°	1080.8	1090.3	1140.9	1213.7	1297.6	1386.2	1447.9	1509.6	1517.5	1508.1	1381.5
35°	1076.0	1080.8	1112.4	1188.4	1300.8	1449.5	1535.0	1615.7	1631.5	1634.6	1503.3
37.5°	1031.7	1038.1	1096.6	1191.6	1345.1	1493.8	1603.0	1735.9	1750.2	1772.3	1609.3
40°	976.4	985.9	1033.3	1139.3	1332.4	1546.0	1675.8	1862.5	1883.1	1910.0	1748.6
42.5°	903.6	921.0	1001.7	1115.6	1326.1	1563.4	1745.4	1989.1	2008.1	2036.6	1865.7
45°	841.9	846.6	911.5	1030.2	1275.4	1587.2	1810.3	2131.5	2144.2	2158.4	1960.6
47.5°	786.5	796.0	851.3	962.1	1221.6	1582.4	1867.3	2266.0	2288.2	2330.9	2076.1
50°	621.9	644.0	800.7	903.6	1139.3	1568.2	1914.7	2424.3	2460.7	2476.5	2207.5
52.5°	538.0	544.4	623.5	846.6	1047.6	1520.7	1955.9	2596.8	2637.9	2601.5	2365.7
55°	496.9	503.2	539.6	731.1	976.4	1424.2	1987.5	2759.8	2785.1	2699.6	2482.8
57.5°	474.7	479.5	498.5	591.8	889.3	1270.7	1990.7	2840.5	2849.9	2777.2	2543.0
60°	436.7	441.5	474.7	515.9	792.8	1107.7	1935.3	2886.3	2935.4	2872.1	2658.5
62.5°	411.4	414.6	436.7	470.0	699.4	974.8	1773.9	3017.7	3041.4	2956.0	2698.0
65°	379.8	382.9	403.5	433.6	639.3	900.4	1704.3	2963.9	2876.9	2935.4	2750.3
67.5°	343.4	348.1	367.1	392.4	539.6	827.6	1503.3	2762.9	2701.2	2831.0	2614.2
70°	310.2	313.3	333.9	348.1	443.1	732.7	1248.5	2606.3	2671.1	2669.6	2490.7
72.5°	273.8	276.9	294.3	307.0	370.3	620.3	990.6	2425.9	2444.8	2376.8	2204.3
75°	235.8	237.4	253.2	265.8	303.8	496.9	723.2	2006.5	2137.9	2272.4	1906.8
77.5°	189.9	194.6	207.3	213.6	243.7	397.2	471.6	1188.4	1357.7	1998.6	1704.3
80°	142.4	142.4	151.9	155.1	180.4	295.9	297.5	572.8	615.6	1270.7	1265.9
82.5°	90.2	94.9	104.4	102.9	121.8	169.3	188.3	318.1	341.8	503.2	561.8
85°	72.8	74.4	80.7	76.0	80.7	91.8	106.0	201.0	208.9	307.0	305.4
87.5°	60.1	61.7	66.5	63.3	64.9	69.6	82.3	134.5	137.7	197.8	204.1
90°	45.9	47.5	53.8	52.2	50.6	57.0	68.0	102.9	107.6	156.7	167.7
92.5°	30.1	30.1	34.8	34.8	34.8	41.1	60.1	79.1	82.3	142.4	150.3
95°	22.2	22.2	23.7	25.3	23.7	30.1	44.3	71.2	77.5	132.9	129.8
97.5°	14.2	14.2	15.8	17.4	15.8	19.0	25.3	50.6	57.0	102.9	101.3
100°	9.5	9.5	9.5	9.5	9.5	9.5	14.2	33.2	38.0	64.9	63.3
102.5°	6.3	6.3	6.3	6.3	4.7	4.7	6.3	15.8	17.4	34.8	33.2
105°	1.6	1.6	3.2	3.2	3.2	1.6	1.6	6.3	7.9	14.2	14.2
107.5°	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.6	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°	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4	832.4
2.5°	829.2	824.4	816.5	808.6	803.9	799.1	791.2	784.9	784.9	792.8	792.8
5°	832.4	822.9	807.0	800.7	792.8	781.7	769.1	759.6	754.8	761.1	762.7
7.5°	840.3	826.0	810.2	796.0	769.1	748.5	737.4	724.8	723.2	729.5	732.7
10°	833.9	819.7	800.7	773.8	745.3	729.5	708.9	693.1	693.1	688.4	691.5
12.5°	840.3	821.3	783.3	754.8	729.5	694.7	669.4	653.5	652.0	656.7	656.7
15°	856.1	827.6	778.6	743.7	702.6	667.8	642.5	625.1	629.8	620.3	621.9
17.5°	875.1	832.4	778.6	718.4	672.5	639.3	604.5	583.9	585.5	587.1	588.7
20°	898.8	845.0	770.6	699.4	644.0	596.6	557.0	541.2	536.4	539.6	541.2
22.5°	935.2	873.5	767.5	689.9	604.5	558.6	523.8	492.1	489.0	489.0	489.0
25°	995.3	916.2	781.7	658.3	583.9	514.3	474.7	444.7	430.4	432.0	433.6
27.5°	1087.1	984.3	796.0	659.9	536.4	474.7	425.7	392.4	384.5	386.1	387.7
30°	1183.7	1076.0	832.4	628.2	509.5	414.6	364.0	340.2	330.7	326.0	327.6
32.5°	1258.0	1156.8	883.0	618.7	460.5	349.7	318.1	299.1	286.4	281.7	281.7
35°	1376.7	1235.9	924.1	595.0	409.8	308.6	283.3	262.7	256.4	253.2	253.2
37.5°	1478.0	1322.9	966.9	585.5	348.1	276.9	245.3	232.6	232.6	229.5	227.9
40°	1587.2	1414.7	990.6	557.0	300.7	243.7	212.0	210.5	215.2	215.2	215.2
42.5°	1718.5	1509.6	1015.9	523.8	264.3	205.7	188.3	201.0	212.0	215.2	215.2
45°	1816.6	1569.8	1027.0	452.6	227.9	178.8	185.1	197.8	212.0	216.8	215.2
47.5°	1900.5	1656.8	1011.2	365.5	196.2	174.1	182.0	193.1	210.5	216.8	216.8
50°	1984.4	1731.2	1000.1	264.3	183.6	174.1	182.0	186.7	205.7	213.6	213.6
52.5°	2107.8	1789.7	955.8	221.5	174.1	175.6	185.1	185.1	202.6	212.0	216.8
55°	2266.0	1924.2	871.9	207.3	170.9	174.1	186.7	186.7	199.4	208.9	212.0
57.5°	2330.9	1971.7	727.9	194.6	167.7	174.1	182.0	185.1	201.0	207.3	205.7
60°	2416.4	2049.2	596.6	182.0	161.4	170.9	175.6	186.7	199.4	201.0	199.4
62.5°	2462.3	2058.7	493.7	169.3	156.7	166.2	167.7	180.4	193.1	197.8	199.4
65°	2487.6	2049.2	365.5	156.7	151.9	159.8	161.4	172.5	185.1	188.3	189.9
67.5°	2395.8	1984.4	253.2	144.0	147.2	151.9	155.1	166.2	175.6	185.1	188.3
70°	2231.2	1796.1	180.4	128.2	139.3	144.0	150.3	161.4	170.9	183.6	186.7
72.5°	2049.2	1446.3	132.9	109.2	128.2	134.5	145.6	153.5	167.7	183.6	188.3
75°	1878.3	1269.1	106.0	93.4	109.2	123.4	137.7	148.7	169.3	224.7	232.6
77.5°	1332.4	857.7	94.9	82.3	93.4	107.6	126.6	145.6	235.8	267.4	269.0
80°	966.9	504.8	85.5	72.8	80.7	87.0	115.5	178.8	261.1	246.9	246.9
82.5°	484.2	270.6	80.7	64.9	69.6	71.2	102.9	227.9	210.5	220.0	221.5
85°	234.2	131.3	66.5	57.0	60.1	58.5	96.5	216.8	199.4	201.0	197.8
87.5°	147.2	80.7	52.2	47.5	49.1	47.5	91.8	207.3	208.9	170.9	174.1
90°	132.9	94.9	41.1	38.0	33.2	39.6	82.3	193.1	204.1	123.4	102.9
92.5°	128.2	102.9	30.1	26.9	23.7	31.6	61.7	156.7	125.0	52.2	31.6
95°	113.9	90.2	25.3	19.0	22.2	26.9	39.6	104.4	83.9	0.0	0.0
97.5°	85.5	66.5	20.6	12.7	71.2	23.7	22.2	68.0	23.7	0.0	0.0
100°	53.8	41.1	15.8	9.5	80.7	15.8	14.2	39.6	0.0	0.0	0.0
102.5°	30.1	22.2	7.9	6.3	34.8	7.9	9.5	9.5	0.0	0.0	0.0
105°	12.7	11.1	3.2	3.2	3.2	1.6	4.7	0.0	0.0	0.0	0.0
107.5°	3.2	4.7	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691203

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.6	1.6	1.6	1.6	1.6	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)