

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: P691211

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691211
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-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4905 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

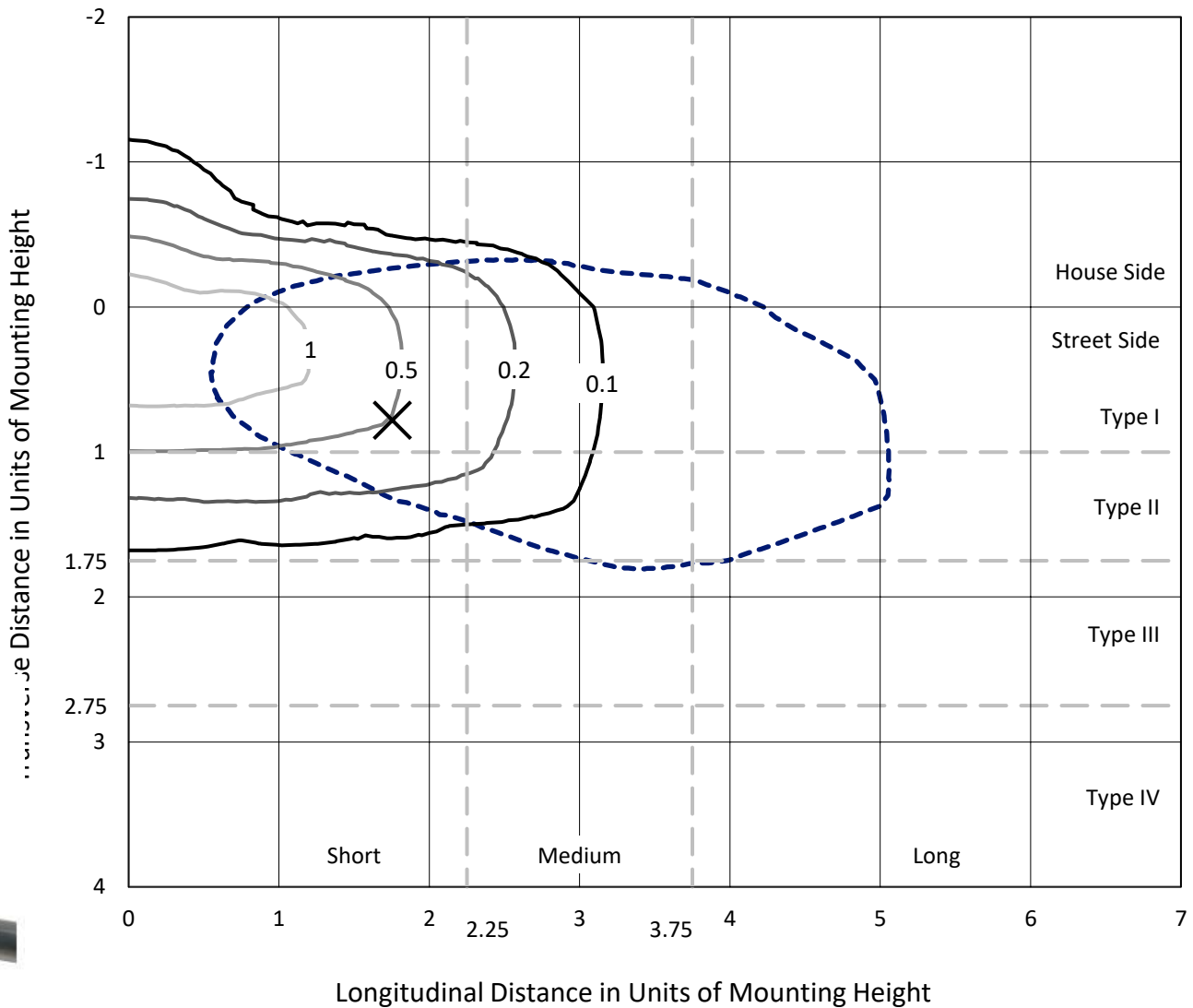
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

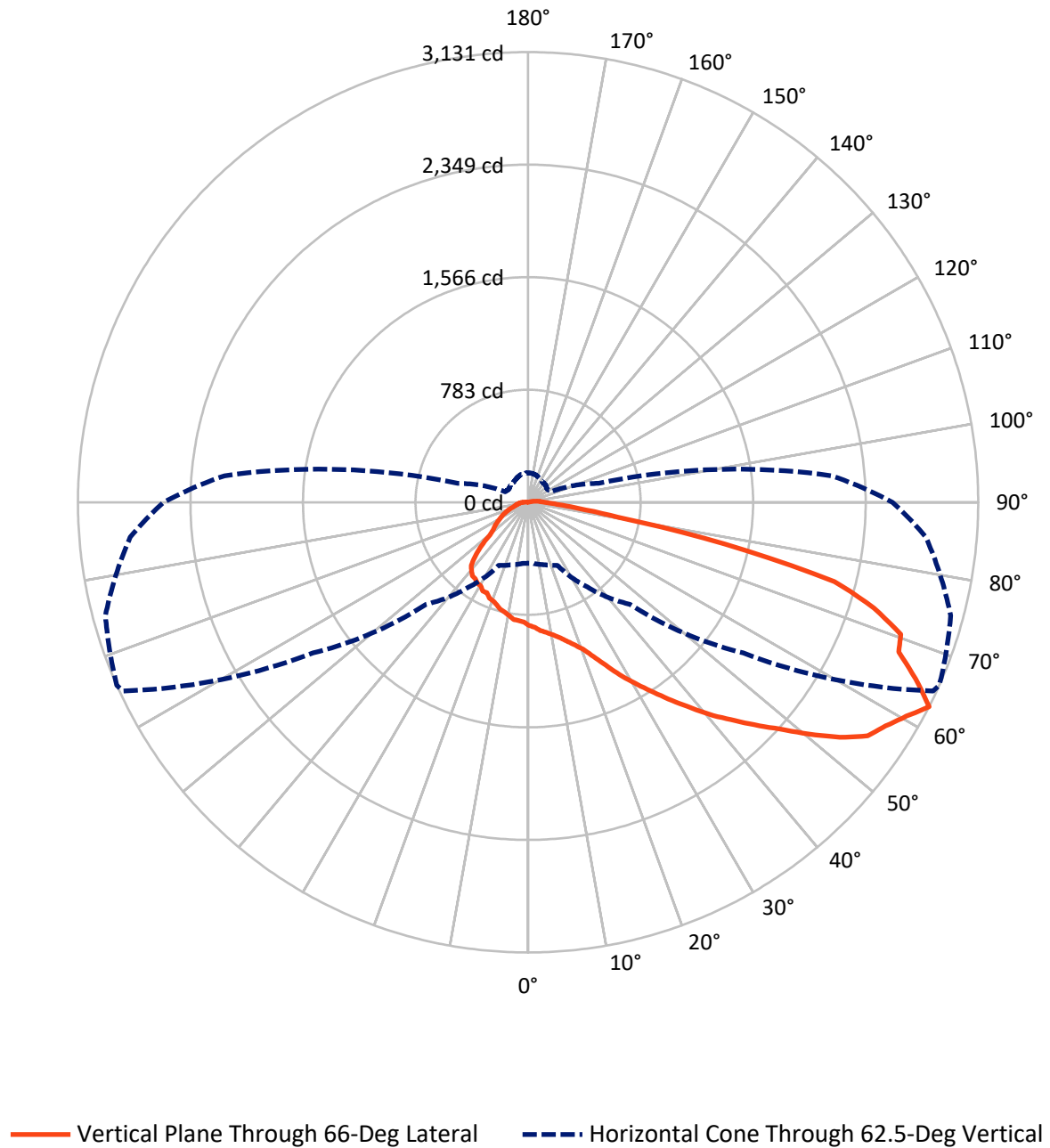
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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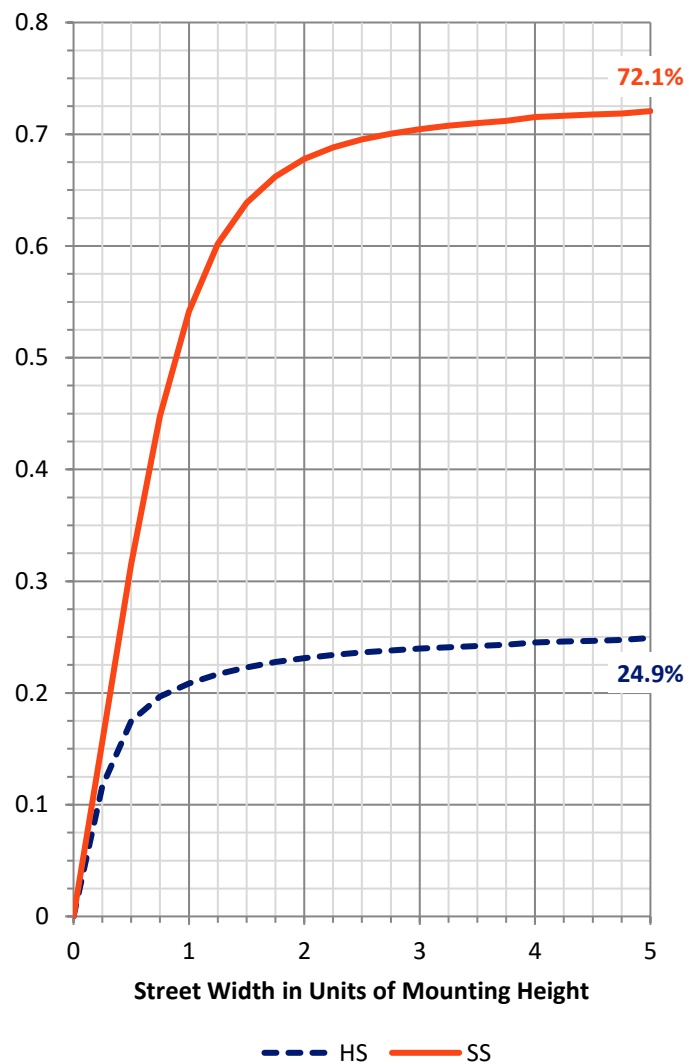
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1276.7	35.2	1312.0
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3558.1	34.9	3593.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	4834.8	70.2	4905.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.7
10°-20°	246.6	5.0
20°-30°	417.3	8.5
30°-40°	610.5	12.4
40°-50°	798.1	16.3
50°-60°	928.6	18.9
60°-70°	929.1	18.9
70°-80°	641.0	13.1
80°-90°	181.2	3.7
90°-100°	59.7	1.2
100°-110°	8.2	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°	4834.8	98.6
0°-180°	4905.0	100.0

Coefficient of Utilization



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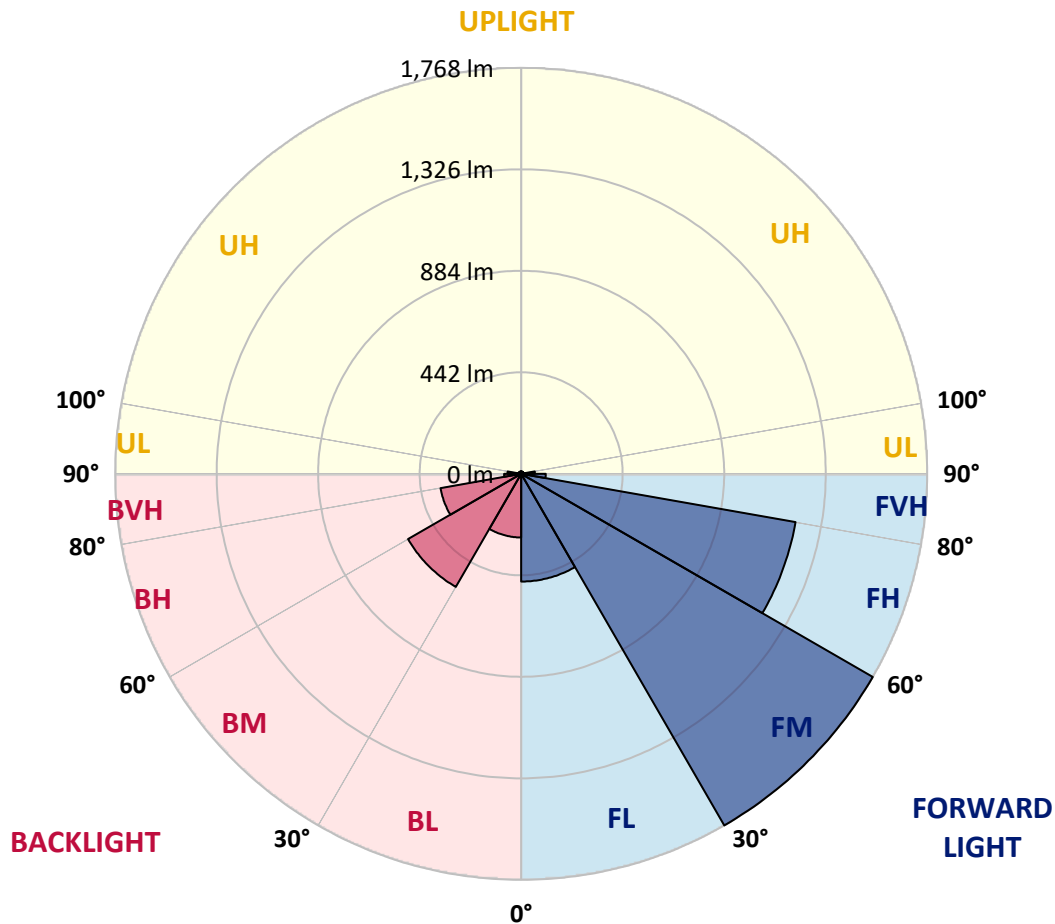
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.2	9.6			
FM	(30°-60°)	1768.4	36.1			
FH	(60°-80°)	1213.5	24.7			G1/1800
FVH	(80°-90°)	107.0	2.2			G2/225
BL	(0°-30°)	277.1	5.6	B1/500		
BM	(30°-60°)	568.8	11.6	B1/1000		
BH	(60°-80°)	356.6	7.3	B1/500		G1/500
BVH	(80°-90°)	74.2	1.5			G1/100
UL	(90°-100°)	59.7	1.2		U3/500	
UH	(100°-180°)	10.4	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°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0
2.5°	901.0	899.4	899.4	891.2	883.1	881.4	876.5	870.0	870.0	865.1	857.0
5°	954.7	953.1	954.7	943.3	931.9	922.2	905.9	897.7	896.1	884.7	868.4
7.5°	992.2	990.6	989.0	979.2	974.3	964.5	941.7	917.3	914.0	902.6	881.4
10°	1006.9	1008.5	1016.7	1000.4	990.6	982.4	969.4	940.1	936.8	910.8	878.2
12.5°	1046.0	1047.6	1042.7	1023.2	1019.9	1013.4	992.2	967.8	964.5	931.9	886.3
15°	1086.7	1086.7	1080.2	1068.8	1060.6	1054.1	1028.1	1002.0	1000.4	961.3	907.5
17.5°	1104.6	1107.9	1109.5	1094.9	1091.6	1090.0	1076.9	1044.4	1041.1	1003.6	936.8
20°	1116.0	1117.7	1119.3	1117.7	1119.3	1117.7	1124.2	1098.1	1090.0	1050.9	969.4
22.5°	1138.9	1142.1	1153.5	1153.5	1158.4	1169.8	1164.9	1168.2	1164.9	1117.7	1024.8
25°	1150.3	1155.1	1169.8	1187.7	1208.9	1221.9	1239.9	1252.9	1254.5	1212.2	1109.5
27.5°	1132.3	1143.7	1181.2	1208.9	1257.8	1292.0	1334.4	1355.5	1358.8	1318.1	1200.8
30°	1155.1	1155.1	1178.0	1217.1	1277.3	1357.2	1422.3	1454.9	1458.2	1427.2	1292.0
32.5°	1112.8	1122.6	1174.7	1249.6	1336.0	1427.2	1490.8	1554.3	1562.5	1552.7	1422.3
35°	1107.9	1112.8	1145.4	1223.6	1339.3	1492.4	1580.4	1663.5	1679.8	1683.0	1547.8
37.5°	1062.3	1068.8	1129.1	1226.8	1384.9	1538.0	1650.4	1787.3	1802.0	1824.8	1657.0
40°	1005.3	1015.0	1063.9	1173.1	1371.8	1591.8	1725.4	1917.6	1938.8	1966.5	1800.3
42.5°	930.3	948.2	1031.3	1148.6	1365.3	1609.7	1797.1	2048.0	2067.5	2096.9	1920.9
45°	866.8	871.7	938.5	1060.6	1313.2	1634.1	1863.9	2194.6	2207.6	2222.3	2018.7
47.5°	809.7	819.5	876.5	990.6	1257.8	1629.3	1922.5	2333.1	2355.9	2399.9	2137.6
50°	640.3	663.1	824.4	930.3	1173.1	1614.6	1971.4	2496.0	2533.5	2549.8	2272.8
52.5°	553.9	560.5	641.9	871.7	1078.6	1565.7	2013.8	2673.6	2716.0	2678.5	2435.7
55°	511.6	518.1	555.6	752.7	1005.3	1466.3	2046.4	2841.4	2867.5	2779.5	2556.3
57.5°	488.8	493.7	513.2	609.3	915.6	1308.3	2049.6	2924.5	2934.3	2859.4	2618.2
60°	449.7	454.6	488.8	531.1	816.3	1140.5	1992.6	2971.8	3022.3	2957.1	2737.2
62.5°	423.6	426.9	449.7	483.9	720.1	1003.6	1826.4	3107.0	3131.4	3043.5	2777.9
65°	391.0	394.3	415.5	446.4	658.2	927.0	1754.7	3051.6	2962.0	3022.3	2831.7
67.5°	353.5	358.4	378.0	404.1	555.6	852.1	1547.8	2844.7	2781.1	2914.7	2691.5
70°	319.3	322.6	343.8	358.4	456.2	754.3	1285.5	2683.4	2750.2	2748.6	2564.5
72.5°	281.9	285.1	303.0	316.1	381.2	638.7	1019.9	2497.7	2517.2	2447.2	2269.6
75°	242.8	244.4	260.7	273.7	312.8	511.6	744.6	2065.9	2201.1	2339.6	1963.3
77.5°	195.5	200.4	213.4	220.0	250.9	408.9	485.5	1223.6	1397.9	2057.8	1754.7
80°	146.6	146.6	156.4	159.7	185.7	304.7	306.3	589.8	633.8	1308.3	1303.4
82.5°	92.9	97.8	107.5	105.9	125.5	174.3	193.9	327.5	351.9	518.1	578.4
85°	74.9	76.6	83.1	78.2	83.1	94.5	109.2	206.9	215.1	316.1	314.4
87.5°	61.9	63.5	68.4	65.2	66.8	71.7	84.7	138.5	141.7	203.7	210.2
90°	47.2	48.9	55.4	53.8	52.1	58.7	70.1	105.9	110.8	161.3	172.7
92.5°	31.0	31.0	35.8	35.8	35.8	42.4	61.9	81.5	84.7	146.6	154.8
95°	22.8	22.8	24.4	26.1	24.4	31.0	45.6	73.3	79.8	136.9	133.6
97.5°	14.7	14.7	16.3	17.9	16.3	19.6	26.1	52.1	58.7	105.9	104.3
100°	9.8	9.8	9.8	9.8	9.8	9.8	14.7	34.2	39.1	66.8	65.2
102.5°	6.5	6.5	6.5	6.5	4.9	4.9	6.5	16.3	17.9	35.8	34.2
105°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	6.5	8.1	14.7	14.7
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°	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0	857.0
2.5°	853.7	848.8	840.7	832.6	827.7	822.8	814.6	808.1	808.1	816.3	816.3
5°	857.0	847.2	830.9	824.4	816.3	804.9	791.8	782.0	777.2	783.7	785.3
7.5°	865.1	850.5	834.2	819.5	791.8	770.6	759.2	746.2	744.6	751.1	754.3
10°	858.6	844.0	824.4	796.7	767.4	751.1	729.9	713.6	713.6	708.7	712.0
12.5°	865.1	845.6	806.5	777.2	751.1	715.2	689.2	672.9	671.3	676.1	676.1
15°	881.4	852.1	801.6	765.8	723.4	687.5	661.5	643.6	648.4	638.7	640.3
17.5°	901.0	857.0	801.6	739.7	692.4	658.2	622.4	601.2	602.8	604.5	606.1
20°	925.4	870.0	793.5	720.1	663.1	614.2	573.5	557.2	552.3	555.6	557.2
22.5°	962.9	899.4	790.2	710.4	622.4	575.1	539.3	506.7	503.4	503.4	503.4
25°	1024.8	943.3	804.9	677.8	601.2	529.5	488.8	457.8	443.2	444.8	446.4
27.5°	1119.3	1013.4	819.5	679.4	552.3	488.8	438.3	404.1	395.9	397.5	399.2
30°	1218.7	1107.9	857.0	646.8	524.6	426.9	374.7	350.3	340.5	335.6	337.3
32.5°	1295.3	1191.0	909.1	637.0	474.1	360.1	327.5	307.9	294.9	290.0	290.0
35°	1417.5	1272.5	951.5	612.6	422.0	317.7	291.6	270.5	263.9	260.7	260.7
37.5°	1521.7	1362.1	995.5	602.8	358.4	285.1	252.5	239.5	239.5	236.2	234.6
40°	1634.1	1456.6	1019.9	573.5	309.6	250.9	218.3	216.7	221.6	221.6	221.6
42.5°	1769.4	1554.3	1046.0	539.3	272.1	211.8	193.9	206.9	218.3	221.6	221.6
45°	1870.4	1616.2	1057.4	466.0	234.6	184.1	190.6	203.7	218.3	223.2	221.6
47.5°	1956.7	1705.8	1041.1	376.4	202.0	179.2	187.4	198.8	216.7	223.2	223.2
50°	2043.1	1782.4	1029.7	272.1	189.0	179.2	187.4	192.3	211.8	220.0	220.0
52.5°	2170.2	1842.7	984.1	228.1	179.2	180.8	190.6	190.6	208.5	218.3	223.2
55°	2333.1	1981.2	897.7	213.4	176.0	179.2	192.3	192.3	205.3	215.1	218.3
57.5°	2399.9	2030.1	749.5	200.4	172.7	179.2	187.4	190.6	206.9	213.4	211.8
60°	2487.9	2109.9	614.2	187.4	166.2	176.0	180.8	192.3	205.3	206.9	205.3
62.5°	2535.1	2119.7	508.3	174.3	161.3	171.1	172.7	185.7	198.8	203.7	205.3
65°	2561.2	2109.9	376.4	161.3	156.4	164.6	166.2	177.6	190.6	193.9	195.5
67.5°	2466.7	2043.1	260.7	148.3	151.5	156.4	159.7	171.1	180.8	190.6	193.9
70°	2297.3	1849.2	185.7	132.0	143.4	148.3	154.8	166.2	176.0	189.0	192.3
72.5°	2109.9	1489.1	136.9	112.4	132.0	138.5	149.9	158.0	172.7	189.0	193.9
75°	1933.9	1306.7	109.2	96.1	112.4	127.1	141.7	153.2	174.3	231.4	239.5
77.5°	1371.8	883.1	97.8	84.7	96.1	110.8	130.3	149.9	242.8	275.3	277.0
80°	995.5	519.7	88.0	74.9	83.1	89.6	118.9	184.1	268.8	254.2	254.2
82.5°	498.6	278.6	83.1	66.8	71.7	73.3	105.9	234.6	216.7	226.5	228.1
85°	241.1	135.2	68.4	58.7	61.9	60.3	99.4	223.2	205.3	206.9	203.7
87.5°	151.5	83.1	53.8	48.9	50.5	48.9	94.5	213.4	215.1	176.0	179.2
90°	136.9	97.8	42.4	39.1	34.2	40.7	84.7	198.8	210.2	127.1	105.9
92.5°	132.0	105.9	31.0	27.7	24.4	32.6	63.5	161.3	128.7	53.8	32.6
95°	117.3	92.9	26.1	19.6	22.8	27.7	40.7	107.5	86.4	0.0	0.0
97.5°	88.0	68.4	21.2	13.0	73.3	24.4	22.8	70.1	24.4	0.0	0.0
100°	55.4	42.4	16.3	9.8	83.1	16.3	14.7	40.7	0.0	0.0	0.0
102.5°	31.0	22.8	8.1	6.5	35.8	8.1	9.8	9.8	0.0	0.0	0.0
105°	13.0	11.4	3.3	3.3	3.3	1.6	4.9	0.0	0.0	0.0	0.0
107.5°	3.3	4.9	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: P691211

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040

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	3.3	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)