

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: P690927

Luminaire Tested: **CRTK2-C01-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690927
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-C01-D-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: 8431 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

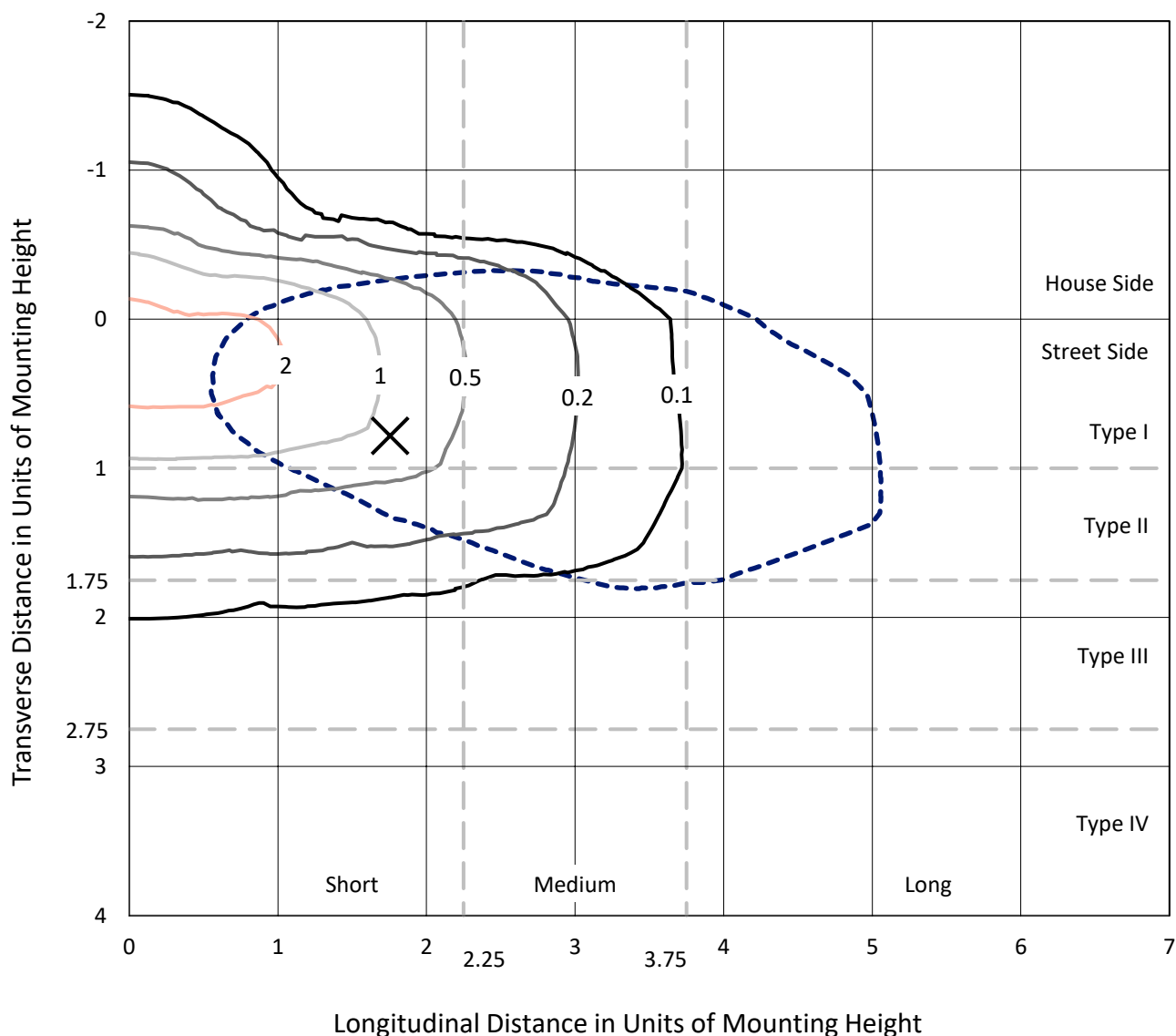
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

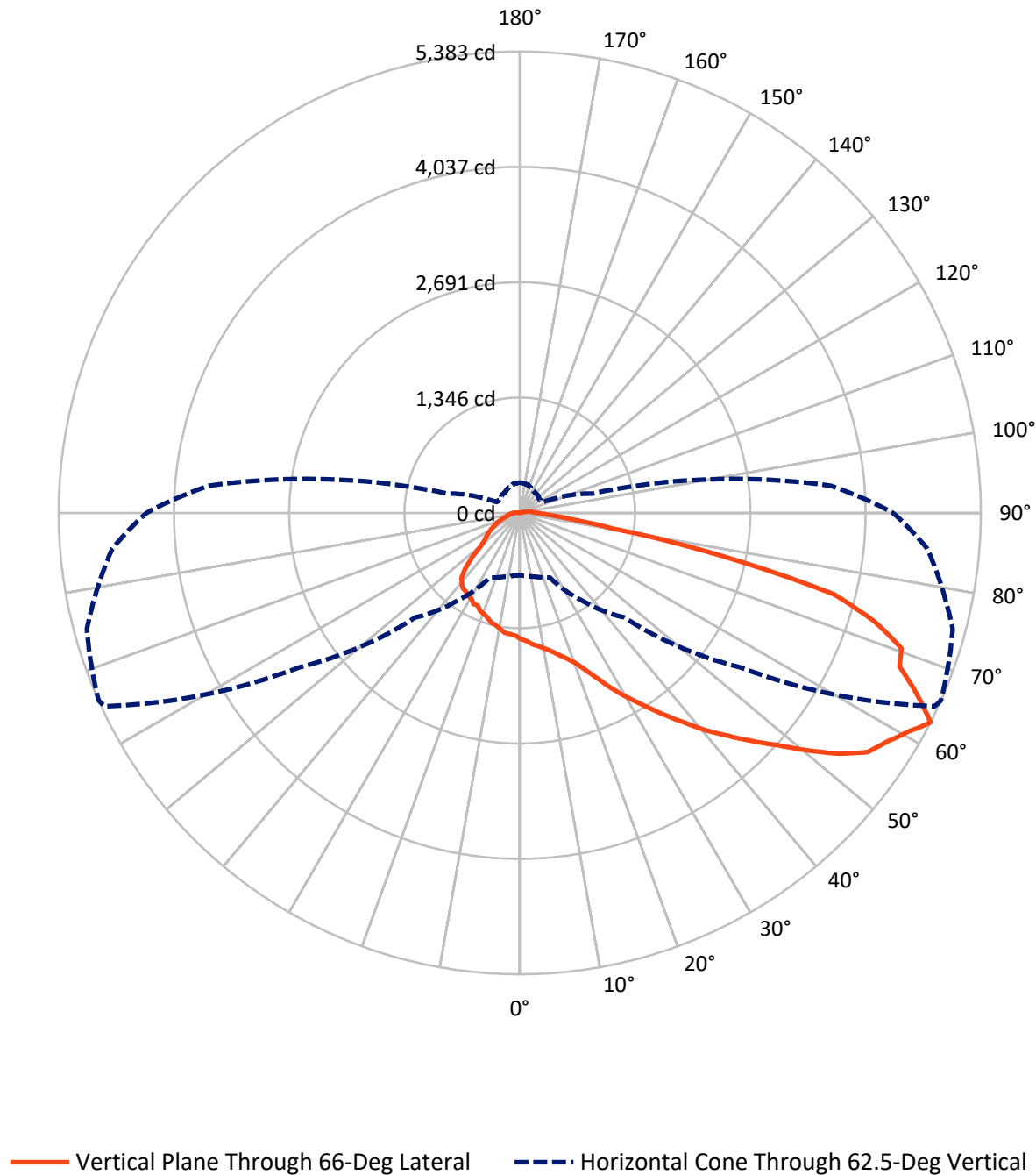
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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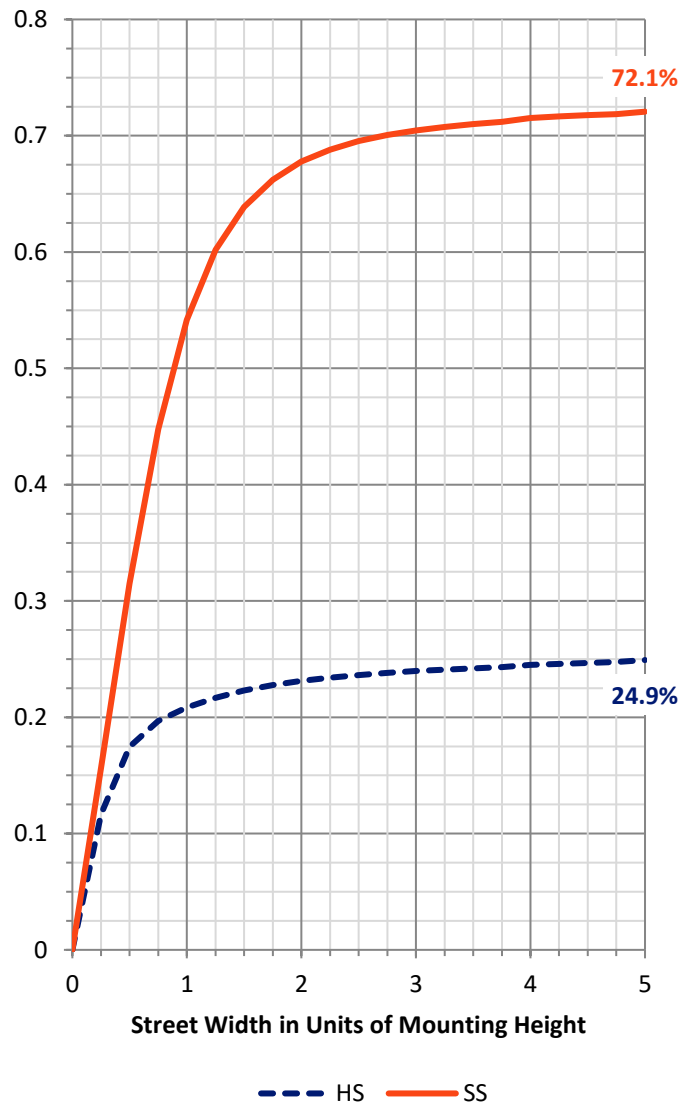
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2194.5	60.6	2255.1
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6115.8	60.0	6175.8
	% Fixture	72.5	0.7	73.3
Total	Lumens	8310.4	120.6	8431.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.7
10°-20°	423.9	5.0
20°-30°	717.3	8.5
30°-40°	1049.4	12.4
40°-50°	1371.7	16.3
50°-60°	1596.2	18.9
60°-70°	1596.9	18.9
70°-80°	1101.9	13.1
80°-90°	311.4	3.7
90°-100°	102.6	1.2
100°-110°	14.1	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	8310.4	98.6
0°-180°	8431.0	100.0

Coefficient of Utilization



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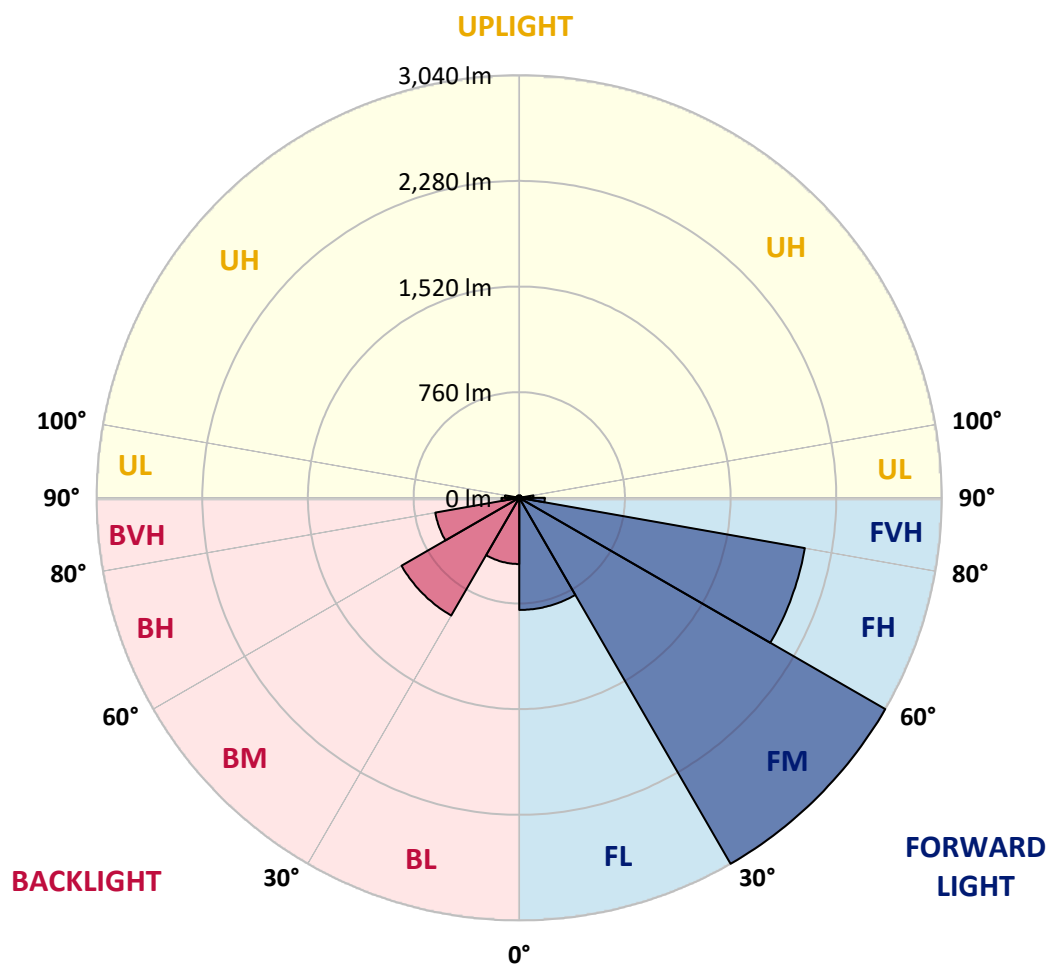
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.5	9.6			
FM	(30°-60°)	3039.6	36.1			
FH	(60°-80°)	2085.8	24.7			G2/5000
FVH	(80°-90°)	183.9	2.2			G2/225
BL	(0°-30°)	476.3	5.6	B1/500		
BM	(30°-60°)	977.8	11.6	B1/1000		
BH	(60°-80°)	613.0	7.3	B2/1000		G2/1000
BVH	(80°-90°)	127.5	1.5			G2/225
UL	(90°-100°)	102.6	1.2		U3/500	
UH	(100°-180°)	18.0	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1548.7	1545.9	1545.9	1531.9	1517.9	1515.1	1506.7	1495.5	1495.5	1487.0	1473.0
5°	1641.1	1638.3	1641.1	1621.5	1601.9	1585.1	1557.1	1543.1	1540.3	1520.7	1492.6
7.5°	1705.5	1702.7	1699.9	1683.1	1674.7	1657.9	1618.7	1576.7	1571.1	1551.5	1515.1
10°	1730.7	1733.5	1747.5	1719.5	1702.7	1688.7	1666.3	1615.9	1610.3	1565.5	1509.5
12.5°	1797.9	1800.7	1792.3	1758.7	1753.1	1741.9	1705.5	1663.5	1657.9	1601.9	1523.5
15°	1867.9	1867.9	1856.7	1837.1	1823.1	1811.9	1767.1	1722.3	1719.5	1652.3	1559.9
17.5°	1898.7	1904.3	1907.1	1881.9	1876.3	1873.5	1851.1	1795.1	1789.5	1725.1	1610.3
20°	1918.3	1921.1	1923.9	1921.1	1923.9	1921.1	1932.3	1887.5	1873.5	1806.3	1666.3
22.5°	1957.5	1963.1	1982.7	1982.7	1991.1	2010.7	2002.3	2007.9	2002.3	1921.1	1761.5
25°	1977.1	1985.5	2010.7	2041.5	2077.9	2100.4	2131.2	2153.6	2156.4	2083.5	1907.1
27.5°	1946.3	1965.9	2030.3	2077.9	2162.0	2220.8	2293.6	2330.0	2335.6	2265.6	2063.9
30°	1985.5	1985.5	2024.7	2092.0	2195.6	2332.8	2444.8	2500.8	2506.4	2453.2	2220.8
32.5°	1912.7	1929.5	2019.1	2148.0	2296.4	2453.2	2562.4	2671.6	2685.6	2668.8	2444.8
35°	1904.3	1912.7	1968.7	2103.2	2302.0	2565.2	2716.5	2859.3	2887.3	2892.9	2660.4
37.5°	1825.9	1837.1	1940.7	2108.8	2380.4	2643.6	2836.9	3072.1	3097.3	3136.5	2848.1
40°	1727.9	1744.7	1828.7	2016.3	2358.0	2736.1	2965.7	3296.2	3332.6	3380.2	3094.5
42.5°	1599.1	1629.9	1772.7	1974.3	2346.8	2766.9	3088.9	3520.2	3553.8	3604.2	3301.8
45°	1489.8	1498.3	1613.1	1823.1	2257.2	2808.9	3203.7	3772.2	3794.6	3819.8	3469.8
47.5°	1391.8	1408.6	1506.7	1702.7	2162.0	2800.5	3304.6	4010.3	4049.5	4125.1	3674.2
50°	1100.6	1139.8	1417.0	1599.1	2016.3	2775.3	3388.6	4290.3	4354.7	4382.7	3906.7
52.5°	952.2	963.4	1103.4	1498.3	1853.9	2691.3	3461.4	4595.6	4668.4	4604.0	4186.7
55°	879.3	890.5	955.0	1293.8	1727.9	2520.4	3517.4	4884.0	4928.8	4777.6	4393.9
57.5°	840.1	848.5	882.1	1047.4	1573.9	2248.8	3523.0	5026.8	5043.6	4914.8	4500.4
60°	772.9	781.3	840.1	913.0	1403.0	1960.3	3425.0	5108.1	5194.9	5082.9	4704.8
62.5°	728.1	733.7	772.9	831.7	1237.8	1725.1	3139.3	5340.5	5382.5	5231.3	4774.8
65°	672.1	677.7	714.1	767.3	1131.4	1593.5	3016.1	5245.3	5091.3	5194.9	4867.2
67.5°	607.7	616.1	649.7	694.5	955.0	1464.6	2660.4	4889.6	4780.4	5010.0	4626.4
70°	548.9	554.5	590.9	616.1	784.1	1296.6	2209.6	4612.4	4727.2	4724.4	4407.9
72.5°	484.5	490.1	520.9	543.3	655.3	1097.8	1753.1	4293.1	4326.7	4206.3	3901.1
75°	417.3	420.1	448.1	470.5	537.7	879.3	1279.8	3551.0	3783.4	4021.5	3374.6
77.5°	336.1	344.5	366.9	378.1	431.3	702.9	834.5	2103.2	2402.8	3537.0	3016.1
80°	252.0	252.0	268.8	274.4	319.3	523.7	526.5	1013.8	1089.4	2248.8	2240.4
82.5°	159.6	168.0	184.8	182.0	215.6	299.7	333.3	562.9	604.9	890.5	994.2
85°	128.8	131.6	142.8	134.4	142.8	162.4	187.6	355.7	369.7	543.3	540.5
87.5°	106.4	109.2	117.6	112.0	114.8	123.2	145.6	238.0	243.6	350.1	361.3
90°	81.2	84.0	95.2	92.4	89.6	100.8	120.4	182.0	190.4	277.2	296.8
92.5°	53.2	53.2	61.6	61.6	61.6	72.8	106.4	140.0	145.6	252.0	266.0
95°	39.2	39.2	42.0	44.8	42.0	53.2	78.4	126.0	137.2	235.2	229.6
97.5°	25.2	25.2	28.0	30.8	28.0	33.6	44.8	89.6	100.8	182.0	179.2
100°	16.8	16.8	16.8	16.8	16.8	16.8	25.2	58.8	67.2	114.8	112.0
102.5°	11.2	11.2	11.2	11.2	8.4	8.4	11.2	28.0	30.8	61.6	58.8
105°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	11.2	14.0	25.2	25.2
107.5°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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	2.8
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	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	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	2.8	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°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1467.4	1459.0	1445.0	1431.0	1422.6	1414.2	1400.2	1389.0	1389.0	1403.0	1403.0
5°	1473.0	1456.2	1428.2	1417.0	1403.0	1383.4	1361.0	1344.2	1335.8	1347.0	1349.8
7.5°	1487.0	1461.8	1433.8	1408.6	1361.0	1324.6	1305.0	1282.6	1279.8	1291.0	1296.6
10°	1475.8	1450.6	1417.0	1369.4	1319.0	1291.0	1254.6	1226.6	1226.6	1218.2	1223.8
12.5°	1487.0	1453.4	1386.2	1335.8	1291.0	1229.4	1184.6	1156.6	1153.8	1162.2	1162.2
15°	1515.1	1464.6	1377.8	1316.2	1243.4	1181.8	1137.0	1106.2	1114.6	1097.8	1100.6
17.5°	1548.7	1473.0	1377.8	1271.4	1190.2	1131.4	1069.8	1033.4	1036.2	1039.0	1041.8
20°	1590.7	1495.5	1363.8	1237.8	1139.8	1055.8	985.8	957.8	949.4	955.0	957.8
22.5°	1655.1	1545.9	1358.2	1221.0	1069.8	988.6	927.0	870.9	865.3	865.3	865.3
25°	1761.5	1621.5	1383.4	1165.0	1033.4	910.2	840.1	786.9	761.7	764.5	767.3
27.5°	1923.9	1741.9	1408.6	1167.8	949.4	840.1	753.3	694.5	680.5	683.3	686.1
30°	2094.8	1904.3	1473.0	1111.8	901.8	733.7	644.1	602.1	585.3	576.9	579.7
32.5°	2226.4	2047.1	1562.7	1095.0	814.9	618.9	562.9	529.3	506.9	498.5	498.5
35°	2436.4	2187.2	1635.5	1053.0	725.3	546.1	501.3	464.9	453.7	448.1	448.1
37.5°	2615.6	2341.2	1711.1	1036.2	616.1	490.1	434.1	411.7	411.7	406.1	403.3
40°	2808.9	2503.6	1753.1	985.8	532.1	431.3	375.3	372.5	380.9	380.9	380.9
42.5°	3041.3	2671.6	1797.9	927.0	467.7	364.1	333.3	355.7	375.3	380.9	380.9
45°	3214.9	2778.1	1817.5	800.9	403.3	316.5	327.7	350.1	375.3	383.7	380.9
47.5°	3363.4	2932.1	1789.5	646.9	347.3	308.1	322.1	341.7	372.5	383.7	383.7
50°	3511.8	3063.7	1769.9	467.7	324.9	308.1	322.1	330.5	364.1	378.1	378.1
52.5°	3730.2	3167.3	1691.5	392.1	308.1	310.9	327.7	327.7	358.5	375.3	383.7
55°	4010.3	3405.4	1543.1	366.9	302.5	308.1	330.5	330.5	352.9	369.7	375.3
57.5°	4125.1	3489.4	1288.2	344.5	296.8	308.1	322.1	327.7	355.7	366.9	364.1
60°	4276.3	3626.6	1055.8	322.1	285.6	302.5	310.9	330.5	352.9	355.7	352.9
62.5°	4357.5	3643.4	873.7	299.7	277.2	294.0	296.8	319.3	341.7	350.1	352.9
65°	4402.3	3626.6	646.9	277.2	268.8	282.8	285.6	305.3	327.7	333.3	336.1
67.5°	4239.9	3511.8	448.1	254.8	260.4	268.8	274.4	294.0	310.9	327.7	333.3
70°	3948.7	3178.5	319.3	226.8	246.4	254.8	266.0	285.6	302.5	324.9	330.5
72.5°	3626.6	2559.6	235.2	193.2	226.8	238.0	257.6	271.6	296.8	324.9	333.3
75°	3324.2	2246.0	187.6	165.2	193.2	218.4	243.6	263.2	299.7	397.7	411.7
77.5°	2358.0	1517.9	168.0	145.6	165.2	190.4	224.0	257.6	417.3	473.3	476.1
80°	1711.1	893.3	151.2	128.8	142.8	154.0	204.4	316.5	462.1	436.9	436.9
82.5°	856.9	478.9	142.8	114.8	123.2	126.0	182.0	403.3	372.5	389.3	392.1
85°	414.5	232.4	117.6	100.8	106.4	103.6	170.8	383.7	352.9	355.7	350.1
87.5°	260.4	142.8	92.4	84.0	86.8	84.0	162.4	366.9	369.7	302.5	308.1
90°	235.2	168.0	72.8	67.2	58.8	70.0	145.6	341.7	361.3	218.4	182.0
92.5°	226.8	182.0	53.2	47.6	42.0	56.0	109.2	277.2	221.2	92.4	56.0
95°	201.6	159.6	44.8	33.6	39.2	47.6	70.0	184.8	148.4	0.0	0.0
97.5°	151.2	117.6	36.4	22.4	126.0	42.0	39.2	120.4	42.0	0.0	0.0
100°	95.2	72.8	28.0	16.8	142.8	28.0	25.2	70.0	0.0	0.0	0.0
102.5°	53.2	39.2	14.0	11.2	61.6	14.0	16.8	16.8	0.0	0.0	0.0
105°	22.4	19.6	5.6	5.6	5.6	2.8	8.4	0.0	0.0	0.0	0.0
107.5°	5.6	8.4	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690927
 CATALOG NUMBER: CRTK2-C01-D-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)