

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: P691419

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

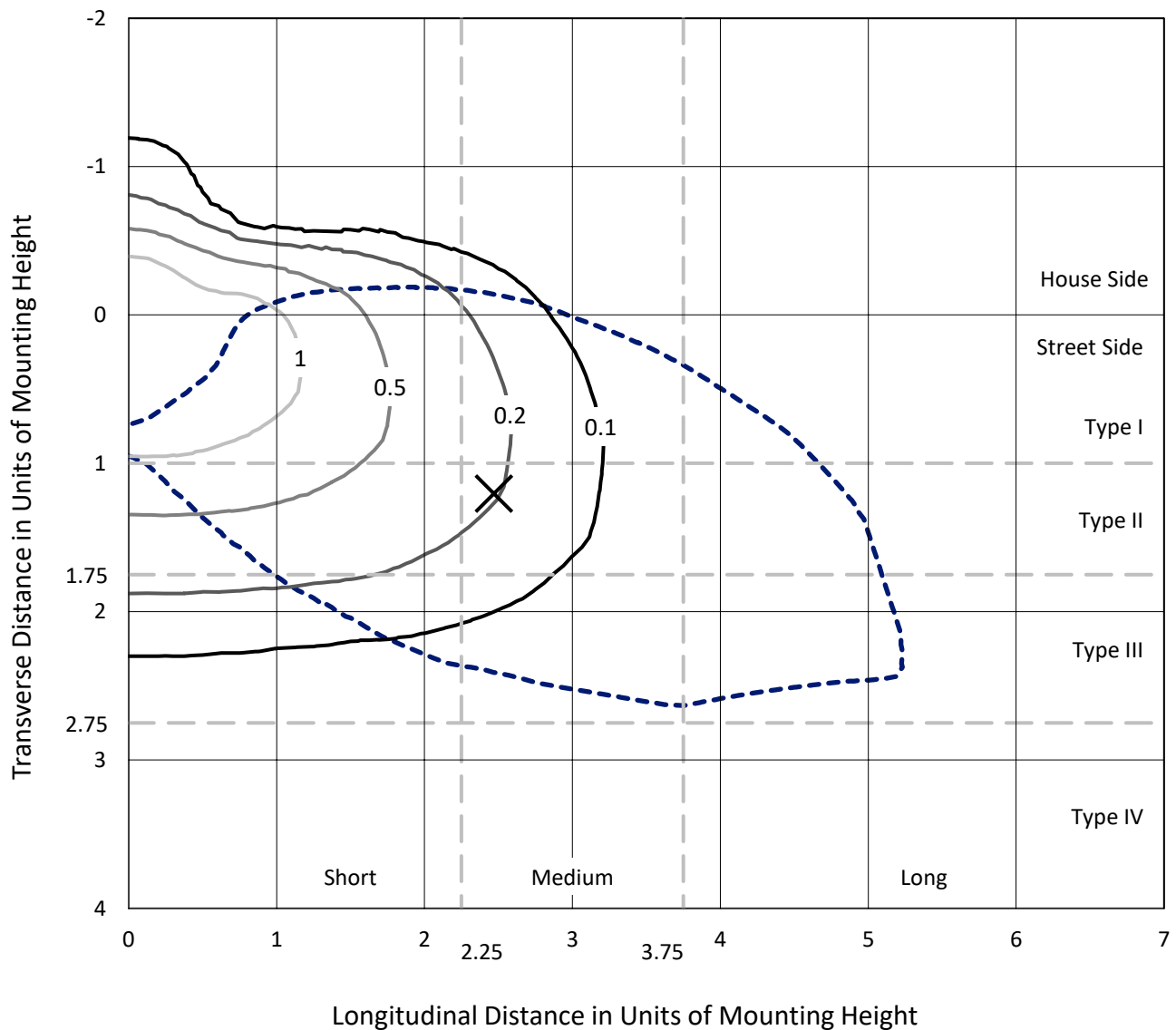
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691419
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

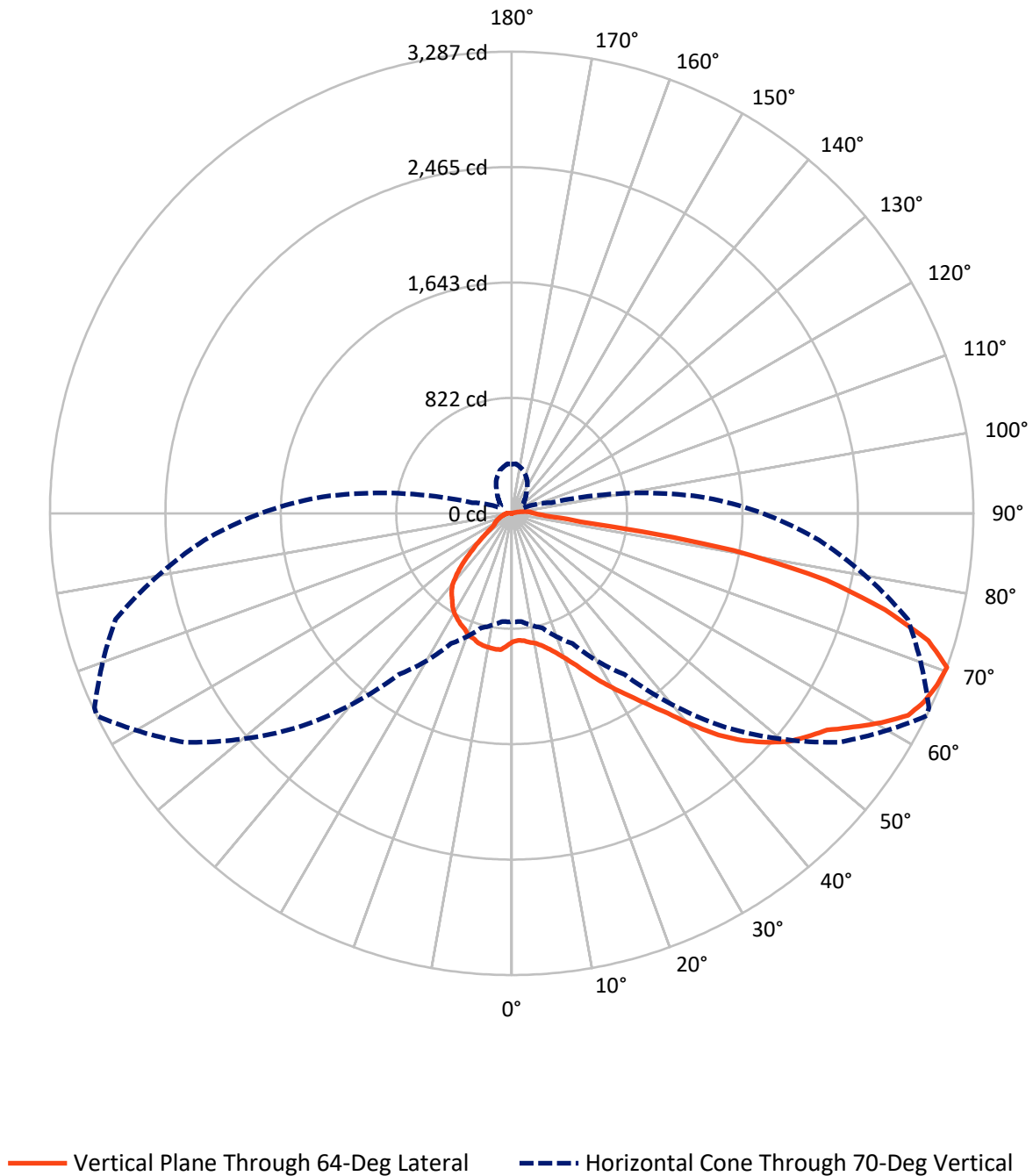
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P691419
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

Luminous Intensity Polar Plot



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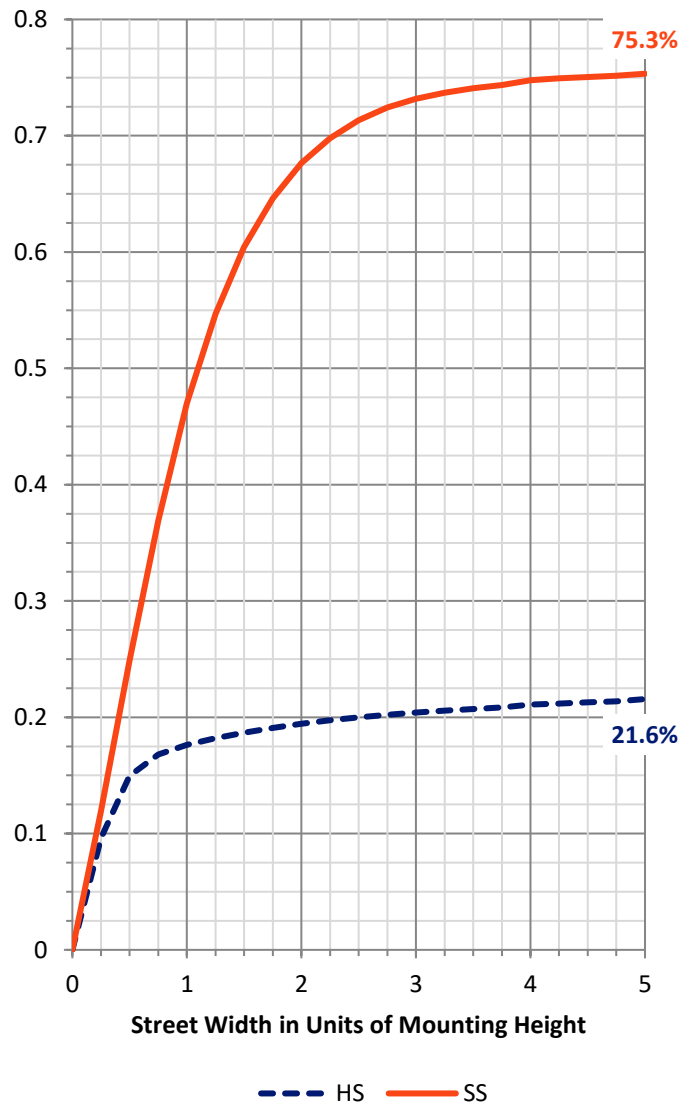
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1389.9	37.7	1427.6
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4620.8	48.6	4669.4
	% Fixture	75.8	0.8	76.6
Total	Lumens	6010.7	86.3	6097.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.5
10°-20°	283.9	4.7
20°-30°	492.5	8.1
30°-40°	714.6	11.7
40°-50°	959.0	15.7
50°-60°	1159.6	19.0
60°-70°	1248.2	20.5
70°-80°	857.3	14.1
80°-90°	204.5	3.4
90°-100°	74.0	1.2
100°-110°	9.3	0.2
110°-120°	0.7	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6010.7	98.6
0°-180°	6097.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691419

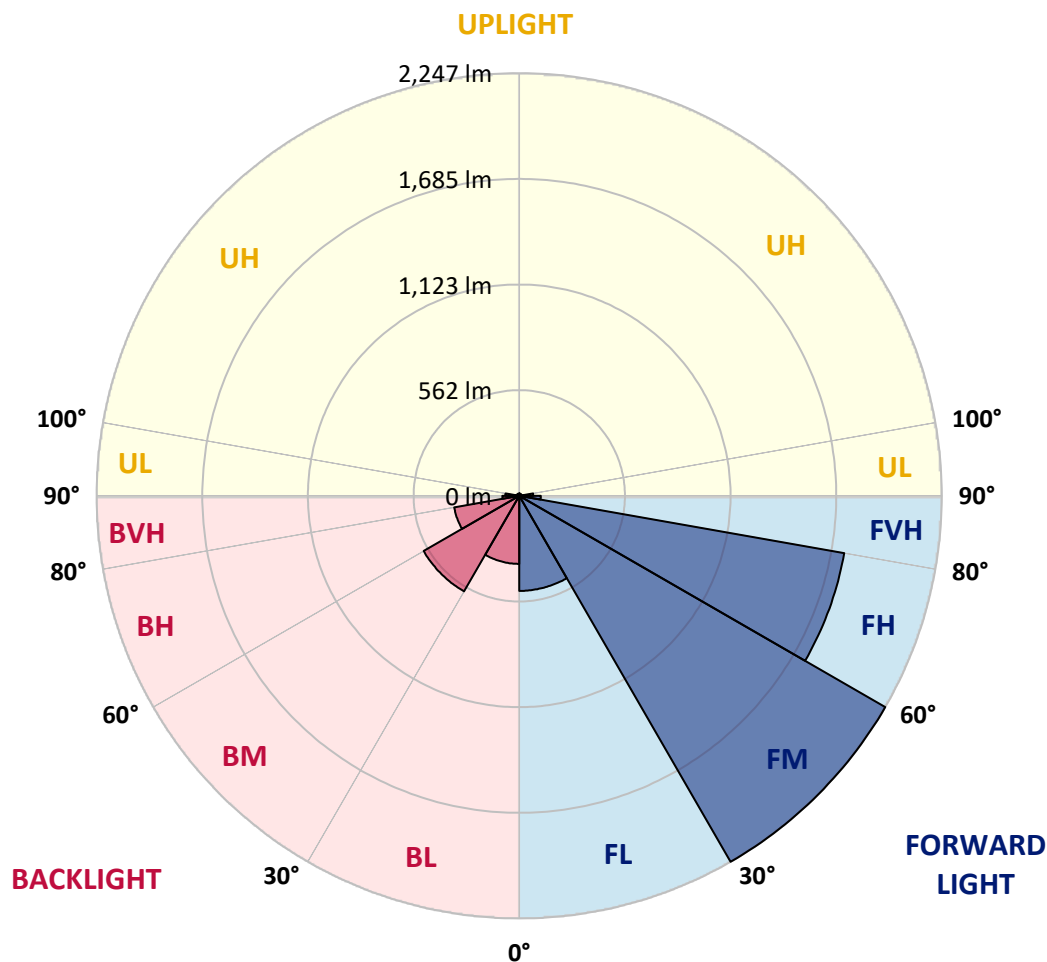
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	505.5	8.3			
FM	(30°-60°)	2246.6	36.8			
FH	(60°-80°)	1754.2	28.8			G1/1800
FVH	(80°-90°)	114.4	1.9			G2/225
BL	(0°-30°)	362.0	5.9	B1/500		
BM	(30°-60°)	586.6	9.6	B1/1000		
BH	(60°-80°)	351.2	5.8	B1/500		G1/500
BVH	(80°-90°)	90.1	1.5			G1/100
UL	(90°-100°)	74.0	1.2		U3/500	
UH	(100°-180°)	12.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



REPORT NUMBER: P691419

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	907.0	907.0	905.0	905.0	907.0	909.0	907.0	905.0	907.0	909.0	915.0
5°	943.0	941.0	939.0	931.0	923.0	917.0	913.0	911.0	913.0	921.0	935.0
7.5°	967.0	965.0	965.0	963.0	955.0	939.0	929.0	927.0	927.0	929.0	947.0
10°	1016.9	1012.9	1004.9	990.9	983.0	963.0	945.0	941.0	941.0	945.0	967.0
12.5°	1070.9	1062.9	1064.9	1048.9	1024.9	1002.9	977.0	967.0	963.0	967.0	979.0
15°	1144.8	1138.8	1122.8	1104.8	1080.8	1050.9	1018.9	1002.9	1000.9	1006.9	996.9
17.5°	1198.7	1190.7	1192.7	1166.8	1146.8	1106.8	1076.9	1046.9	1046.9	1054.9	1028.9
20°	1254.7	1250.7	1256.7	1250.7	1220.7	1184.7	1140.8	1104.8	1098.8	1102.8	1064.9
22.5°	1326.6	1320.6	1320.6	1322.6	1298.6	1262.7	1210.7	1174.7	1172.7	1156.8	1104.8
25°	1400.5	1394.5	1392.5	1396.5	1392.5	1350.6	1296.6	1260.7	1254.7	1232.7	1158.8
27.5°	1470.4	1470.4	1472.4	1476.4	1482.4	1448.5	1396.5	1356.6	1356.6	1332.6	1230.7
30°	1522.4	1522.4	1540.4	1548.3	1554.3	1546.3	1490.4	1452.4	1456.4	1424.5	1312.6
32.5°	1570.3	1572.3	1592.3	1612.3	1618.3	1624.3	1576.3	1552.3	1552.3	1522.4	1400.5
35°	1618.3	1618.3	1646.2	1686.2	1706.2	1700.2	1678.2	1670.2	1672.2	1666.2	1530.4
37.5°	1656.2	1660.2	1702.2	1752.1	1780.1	1790.1	1778.1	1804.1	1828.0	1846.0	1700.2
40°	1694.2	1694.2	1734.1	1788.1	1838.0	1866.0	1882.0	1979.9	1997.9	2003.9	1796.1
42.5°	1654.2	1664.2	1748.1	1828.0	1892.0	1939.9	2011.9	2157.7	2179.7	2111.7	1925.9
45°	1616.3	1628.3	1712.2	1846.0	1937.9	2033.8	2157.7	2305.5	2323.5	2221.6	2003.9
47.5°	1578.3	1592.3	1684.2	1830.0	1979.9	2137.7	2271.6	2435.4	2443.4	2311.5	2091.8
50°	1538.4	1552.3	1650.2	1812.1	2005.9	2243.6	2385.5	2553.3	2553.3	2391.4	2143.7
52.5°	1488.4	1504.4	1604.3	1784.1	2025.8	2315.5	2489.3	2639.2	2623.2	2487.3	2201.7
55°	1424.5	1446.5	1552.3	1744.1	2033.8	2353.5	2555.3	2723.1	2719.1	2605.2	2275.6
57.5°	1356.6	1374.5	1488.4	1692.2	2025.8	2379.5	2625.2	2868.9	2874.9	2707.1	2333.5
60°	1280.6	1292.6	1402.5	1620.3	1973.9	2425.4	2783.0	3024.8	3032.8	2801.0	2355.5
62.5°	1180.7	1188.7	1292.6	1522.4	1904.0	2455.4	2896.9	3166.6	3162.6	2884.9	2359.5
65°	1054.9	1064.9	1162.8	1392.5	1800.1	2435.4	2924.9	3228.6	3232.6	2924.9	2353.5
67.5°	933.0	939.0	1020.9	1220.7	1632.3	2339.5	2896.9	3264.5	3282.5	2958.8	2295.6
70°	771.2	773.2	845.1	1022.9	1400.5	2155.7	2841.0	3286.5	3276.5	2918.9	2195.7
72.5°	593.4	595.4	649.3	783.2	1088.8	1836.0	2643.2	3100.7	3082.7	2699.1	1979.9
75°	421.6	429.5	461.5	549.4	729.2	1340.6	2261.6	2745.1	2757.1	2401.4	1650.2
77.5°	239.7	247.7	273.7	343.6	419.6	751.2	1708.2	2289.6	2297.5	2019.8	1266.6
80°	103.9	105.9	115.9	163.8	223.8	359.6	875.1	1604.3	1720.2	1372.5	723.2
82.5°	87.9	87.9	91.9	95.9	97.9	163.8	339.6	497.5	513.5	405.6	235.7
85°	75.9	75.9	79.9	83.9	85.9	111.9	205.8	249.7	259.7	231.8	165.8
87.5°	59.9	59.9	65.9	69.9	69.9	91.9	153.8	185.8	191.8	185.8	147.8
90°	53.9	53.9	51.9	51.9	53.9	65.9	119.9	155.8	161.8	197.8	169.8
92.5°	46.0	47.9	47.9	47.9	42.0	47.9	85.9	137.9	149.8	195.8	153.8
95°	46.0	44.0	44.0	42.0	40.0	42.0	63.9	119.9	133.9	169.8	129.9
97.5°	32.0	30.0	32.0	34.0	36.0	38.0	53.9	87.9	97.9	131.9	95.9
100°	20.0	20.0	20.0	20.0	24.0	26.0	44.0	53.9	59.9	83.9	63.9
102.5°	12.0	10.0	10.0	10.0	12.0	16.0	22.0	30.0	32.0	47.9	38.0
105°	4.0	4.0	4.0	4.0	6.0	8.0	8.0	12.0	12.0	16.0	16.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0



REPORT NUMBER: P691419

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691419

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	919.0	923.0	931.0	941.0	953.0	963.0	971.0	973.0	977.0	977.0	981.0
5°	939.0	947.0	959.0	973.0	979.0	975.0	975.0	977.0	981.0	990.9	994.9
7.5°	961.0	967.0	967.0	973.0	984.9	981.0	979.0	977.0	977.0	973.0	979.0
10°	969.0	961.0	971.0	969.0	965.0	973.0	975.0	963.0	965.0	965.0	967.0
12.5°	971.0	971.0	963.0	963.0	963.0	945.0	941.0	951.0	941.0	945.0	943.0
15°	992.9	977.0	967.0	955.0	939.0	933.0	919.0	903.0	903.0	907.0	907.0
17.5°	1008.9	992.9	963.0	931.0	925.0	897.0	887.1	883.1	881.1	883.1	887.1
20°	1032.9	1008.9	959.0	927.0	875.1	865.1	847.1	845.1	841.1	827.1	823.1
22.5°	1064.9	1026.9	957.0	893.0	851.1	817.1	785.2	765.2	763.2	753.2	747.2
25°	1100.8	1062.9	965.0	877.1	807.1	757.2	731.2	685.3	663.3	671.3	667.3
27.5°	1174.7	1104.8	979.0	855.1	771.2	693.3	633.3	605.4	577.4	577.4	581.4
30°	1242.7	1158.8	979.0	835.1	711.2	617.3	539.4	495.5	483.5	475.5	471.5
32.5°	1344.6	1226.7	1020.9	807.1	655.3	519.4	431.5	379.6	381.6	389.6	387.6
35°	1462.4	1334.6	1032.9	767.2	573.4	421.6	333.6	305.7	321.7	325.7	325.7
37.5°	1604.3	1466.4	1086.8	735.2	487.5	311.7	263.7	251.7	265.7	263.7	271.7
40°	1682.2	1530.4	1132.8	695.3	373.6	229.8	203.8	195.8	217.8	235.7	239.7
42.5°	1792.1	1606.3	1176.7	619.3	253.7	167.8	155.8	181.8	213.8	233.8	235.7
45°	1852.0	1650.2	1158.8	525.4	161.8	135.9	151.8	183.8	217.8	237.7	239.7
47.5°	1923.9	1708.2	1126.8	409.6	129.9	133.9	153.8	187.8	223.8	241.7	241.7
50°	1995.9	1766.1	1048.9	321.7	121.9	131.9	157.8	189.8	221.8	233.8	233.8
52.5°	2037.8	1816.1	957.0	233.8	119.9	131.9	159.8	191.8	219.8	225.8	225.8
55°	2075.8	1820.1	877.1	173.8	117.9	133.9	161.8	195.8	221.8	227.8	225.8
57.5°	2097.8	1794.1	821.1	149.8	115.9	133.9	163.8	199.8	237.7	251.7	247.7
60°	2085.8	1754.1	779.2	139.9	113.9	133.9	165.8	211.8	301.7	325.7	317.7
62.5°	2065.8	1726.2	691.3	127.9	109.9	133.9	167.8	239.7	335.6	347.6	337.6
65°	2039.8	1644.2	591.4	115.9	105.9	131.9	169.8	259.7	319.7	319.7	317.7
67.5°	1931.9	1534.4	441.5	103.9	99.9	131.9	173.8	255.7	307.7	333.6	333.6
70°	1788.1	1350.6	291.7	91.9	93.9	127.9	181.8	259.7	317.7	353.6	349.6
72.5°	1514.4	1120.8	161.8	79.9	85.9	125.9	181.8	275.7	343.6	383.6	377.6
75°	1236.7	829.1	115.9	71.9	77.9	121.9	183.8	285.7	367.6	409.6	399.6
77.5°	871.1	475.5	91.9	61.9	69.9	115.9	181.8	281.7	379.6	417.6	405.6
80°	367.6	171.8	75.9	55.9	59.9	103.9	167.8	269.7	379.6	441.5	435.5
82.5°	165.8	121.9	65.9	49.9	55.9	85.9	155.8	259.7	367.6	443.5	479.5
85°	129.9	99.9	55.9	44.0	49.9	81.9	139.9	247.7	351.6	409.6	449.5
87.5°	123.9	99.9	49.9	40.0	46.0	69.9	107.9	229.8	315.7	377.6	409.6
90°	133.9	103.9	40.0	34.0	42.0	61.9	87.9	193.8	273.7	331.6	331.6
92.5°	123.9	95.9	30.0	26.0	44.0	49.9	83.9	119.9	197.8	165.8	205.8
95°	103.9	79.9	20.0	18.0	42.0	42.0	46.0	55.9	137.9	4.0	0.0
97.5°	75.9	57.9	12.0	10.0	32.0	34.0	22.0	26.0	55.9	0.0	0.0
100°	55.9	38.0	8.0	8.0	20.0	28.0	14.0	14.0	0.0	0.0	0.0
102.5°	30.0	20.0	6.0	4.0	10.0	16.0	6.0	4.0	0.0	0.0	0.0
105°	16.0	8.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691419

CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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)