

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: P691387

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691387
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-C016-5TLD-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: 6015 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

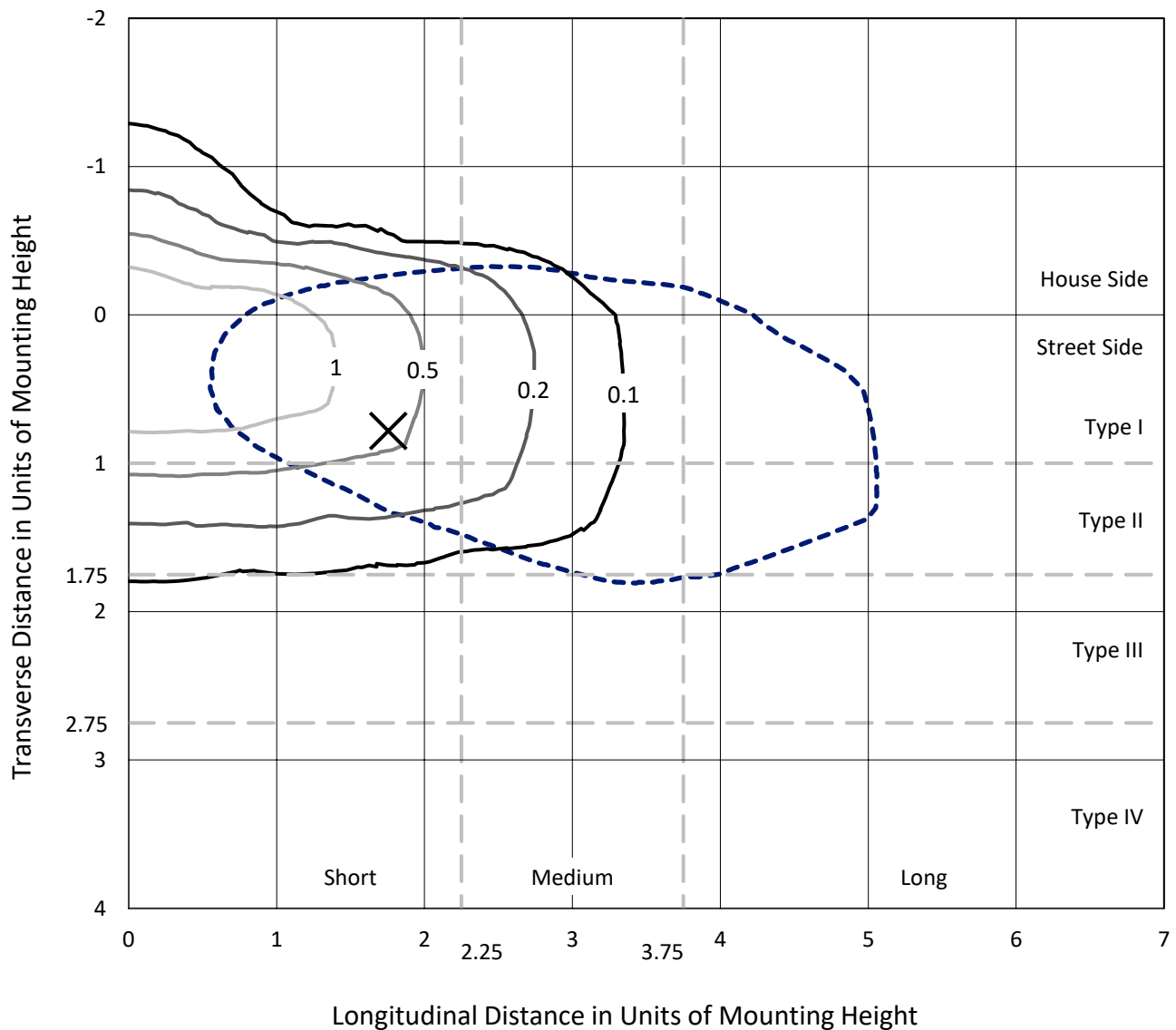
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691387
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

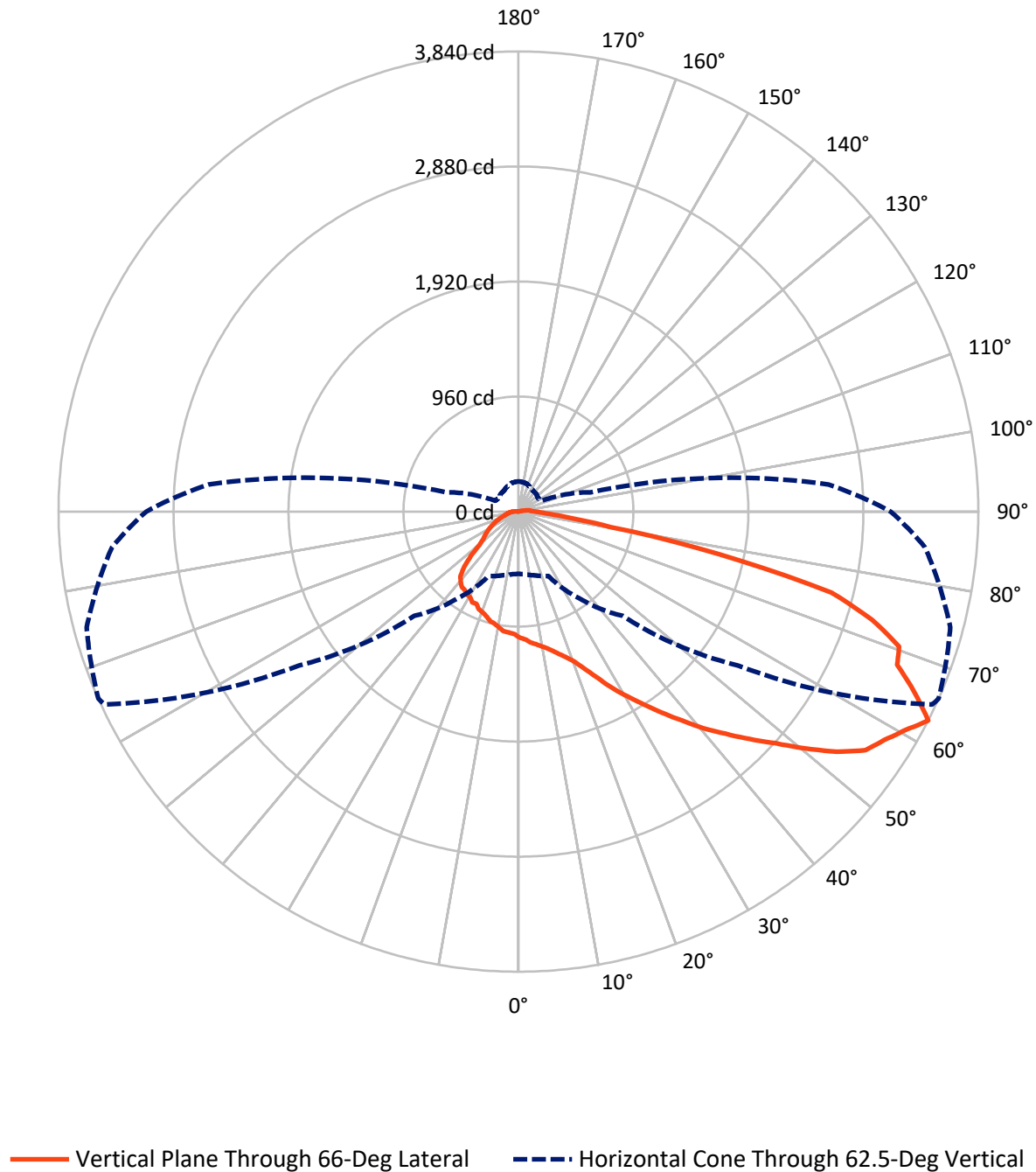
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

REPORT NUMBER: P691387
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

Luminous Intensity Polar Plot



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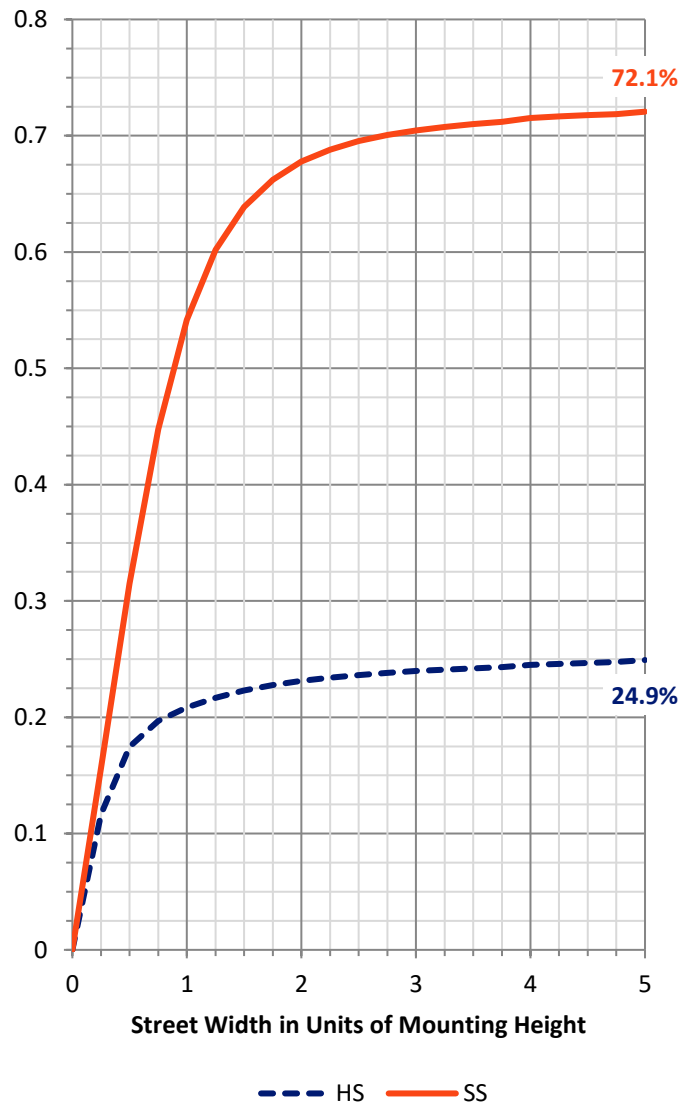
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1565.6	43.3	1608.9
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4363.3	42.8	4406.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	5928.9	86.1	6015.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	1.7
10°-20°	302.4	5.0
20°-30°	511.8	8.5
30°-40°	748.7	12.4
40°-50°	978.7	16.3
50°-60°	1138.8	18.9
60°-70°	1139.3	18.9
70°-80°	786.1	13.1
80°-90°	222.2	3.7
90°-100°	73.3	1.2
100°-110°	10.0	0.2
110°-120°	0.6	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°	5928.9	98.6
0°-180°	6015.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691387

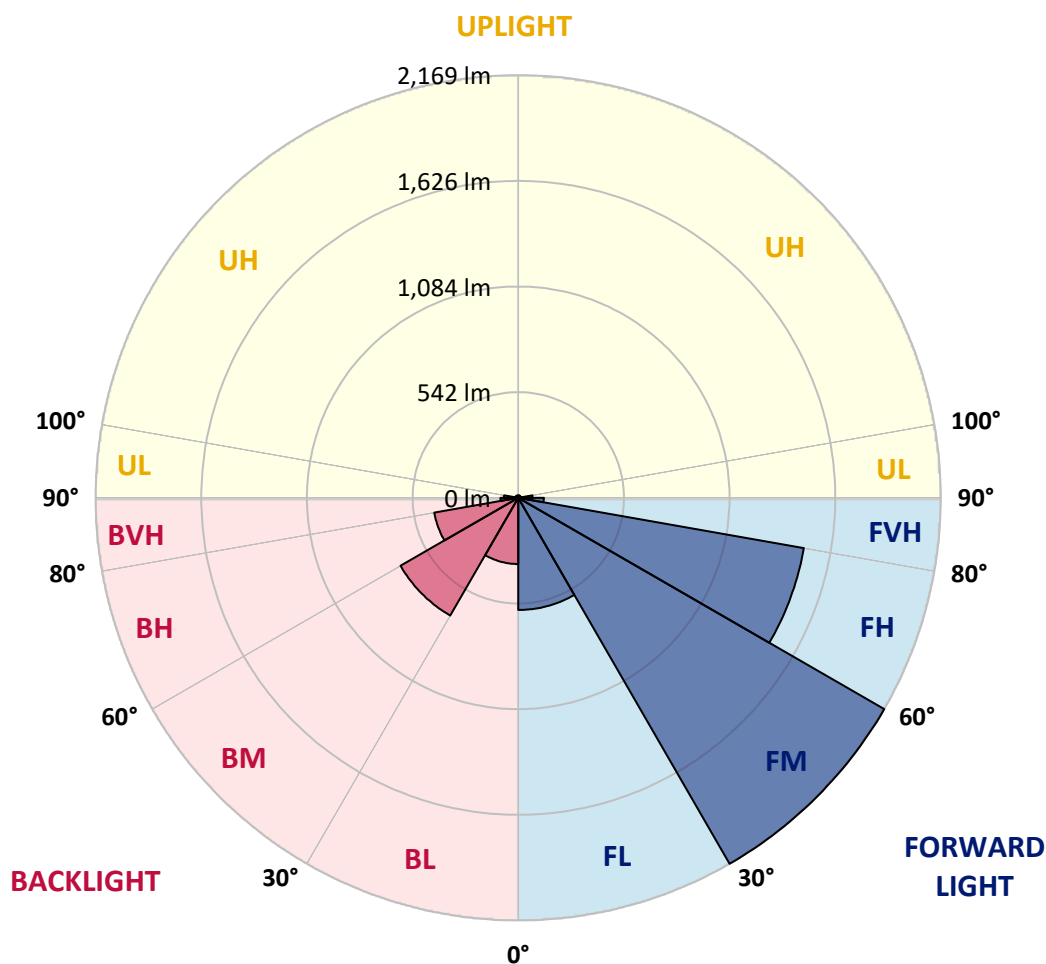
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	575.4	9.6			
FM	(30°-60°)	2168.6	36.1			
FH	(60°-80°)	1488.1	24.7			G1/1800
FVH	(80°-90°)	131.2	2.2			G2/225
BL	(0°-30°)	339.8	5.6	B1/500		
BM	(30°-60°)	697.6	11.6	B1/1000		
BH	(60°-80°)	437.3	7.3	B1/500		G1/500
BVH	(80°-90°)	91.0	1.5			G1/100
UL	(90°-100°)	73.3	1.2		U3/500	
UH	(100°-180°)	12.8	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P691387

CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9
2.5°	1104.9	1102.9	1102.9	1092.9	1082.9	1080.9	1074.9	1066.9	1066.9	1060.9	1050.9
5°	1170.8	1168.8	1170.8	1156.8	1142.8	1130.8	1110.9	1100.9	1098.9	1084.9	1064.9
7.5°	1216.8	1214.8	1212.8	1200.8	1194.8	1182.8	1154.8	1124.9	1120.9	1106.9	1080.9
10°	1234.7	1236.7	1246.7	1226.7	1214.8	1204.8	1188.8	1152.8	1148.8	1116.9	1076.9
12.5°	1282.7	1284.7	1278.7	1254.7	1250.7	1242.7	1216.8	1186.8	1182.8	1142.8	1086.9
15°	1332.6	1332.6	1324.6	1310.7	1300.7	1292.7	1260.7	1228.7	1226.7	1178.8	1112.9
17.5°	1354.6	1358.6	1360.6	1342.6	1338.6	1336.6	1320.7	1280.7	1276.7	1230.7	1148.8
20°	1368.6	1370.6	1372.6	1370.6	1372.6	1370.6	1378.6	1346.6	1336.6	1288.7	1188.8
22.5°	1396.6	1400.6	1414.6	1414.6	1420.6	1434.5	1428.5	1432.5	1428.5	1370.6	1256.7
25°	1410.6	1416.6	1434.5	1456.5	1482.5	1498.5	1520.4	1536.4	1538.4	1486.5	1360.6
27.5°	1388.6	1402.6	1448.5	1482.5	1542.4	1584.4	1636.3	1662.3	1666.3	1616.4	1472.5
30°	1416.6	1416.6	1444.5	1492.5	1566.4	1664.3	1744.2	1784.2	1788.2	1750.2	1584.4
32.5°	1364.6	1376.6	1440.5	1532.4	1638.3	1750.2	1828.1	1906.1	1916.0	1904.1	1744.2
35°	1358.6	1364.6	1404.6	1500.5	1642.3	1830.1	1938.0	2039.9	2059.9	2063.9	1898.1
37.5°	1302.7	1310.7	1384.6	1504.5	1698.3	1886.1	2023.9	2191.8	2209.7	2237.7	2031.9
40°	1232.7	1244.7	1304.7	1438.5	1682.3	1952.0	2115.8	2351.6	2377.6	2411.5	2207.7
42.5°	1140.8	1162.8	1264.7	1408.6	1674.3	1974.0	2203.8	2511.4	2535.4	2571.4	2355.6
45°	1062.9	1068.9	1150.8	1300.7	1610.4	2004.0	2285.7	2691.3	2707.2	2725.2	2475.5
47.5°	993.0	1005.0	1074.9	1214.8	1542.4	1998.0	2357.6	2861.1	2889.1	2943.0	2621.3
50°	785.2	813.2	1011.0	1140.8	1438.5	1980.0	2417.5	3060.9	3106.8	3126.8	2787.2
52.5°	679.3	687.3	787.2	1068.9	1322.7	1920.0	2469.5	3278.7	3330.6	3284.7	2987.0
55°	627.4	635.4	681.3	923.1	1232.7	1798.2	2509.4	3484.4	3516.4	3408.5	3134.8
57.5°	599.4	605.4	629.4	747.2	1122.9	1604.4	2513.4	3586.3	3598.3	3506.4	3210.7
60°	551.4	557.4	599.4	651.3	1001.0	1398.6	2443.5	3644.3	3706.2	3626.3	3356.6
62.5°	519.5	523.5	551.4	593.4	883.1	1230.7	2239.7	3810.1	3840.1	3732.2	3406.5
65°	479.5	483.5	509.5	547.4	807.2	1136.8	2151.8	3742.2	3632.3	3706.2	3472.5
67.5°	433.6	439.6	463.5	495.5	681.3	1044.9	1898.1	3488.4	3410.5	3574.4	3300.6
70°	391.6	395.6	421.6	439.6	559.4	925.1	1576.4	3290.6	3372.6	3370.6	3144.8
72.5°	345.6	349.6	371.6	387.6	467.5	783.2	1250.7	3062.9	3086.9	3000.9	2783.2
75°	297.7	299.7	319.7	335.7	383.6	627.4	913.1	2533.4	2699.2	2869.1	2407.5
77.5°	239.8	245.7	261.7	269.7	307.7	501.5	595.4	1500.5	1714.3	2523.4	2151.8
80°	179.8	179.8	191.8	195.8	227.8	373.6	375.6	723.3	777.2	1604.4	1598.4
82.5°	113.9	119.9	131.9	129.9	153.8	213.8	237.8	401.6	431.6	635.4	709.3
85°	91.9	93.9	101.9	95.9	101.9	115.9	133.9	253.7	263.7	387.6	385.6
87.5°	75.9	77.9	83.9	79.9	81.9	87.9	103.9	169.8	173.8	249.7	257.7
90°	57.9	59.9	67.9	65.9	63.9	71.9	85.9	129.9	135.9	197.8	211.8
92.5°	38.0	38.0	44.0	44.0	44.0	51.9	75.9	99.9	103.9	179.8	189.8
95°	28.0	28.0	30.0	32.0	30.0	38.0	55.9	89.9	97.9	167.8	163.8
97.5°	18.0	18.0	20.0	22.0	20.0	24.0	32.0	63.9	71.9	129.9	127.9
100°	12.0	12.0	12.0	12.0	12.0	12.0	18.0	42.0	48.0	81.9	79.9
102.5°	8.0	8.0	8.0	8.0	6.0	6.0	8.0	20.0	22.0	44.0	42.0
105°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	8.0	10.0	18.0	18.0
107.5°	0.0	0.0	0.0	2.0	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	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	2.0
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	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	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	2.0	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



REPORT NUMBER: P691387

CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9
2.5°	1046.9	1040.9	1030.9	1021.0	1015.0	1009.0	999.0	991.0	991.0	1001.0	1001.0
5°	1050.9	1038.9	1019.0	1011.0	1001.0	987.0	971.0	959.0	953.0	961.0	963.0
7.5°	1060.9	1042.9	1023.0	1005.0	971.0	945.0	931.1	915.1	913.1	921.1	925.1
10°	1052.9	1034.9	1011.0	977.0	941.0	921.1	895.1	875.1	875.1	869.1	873.1
12.5°	1060.9	1036.9	989.0	953.0	921.1	877.1	845.1	825.2	823.2	829.2	829.2
15°	1080.9	1044.9	983.0	939.0	887.1	843.1	811.2	789.2	795.2	783.2	785.2
17.5°	1104.9	1050.9	983.0	907.1	849.1	807.2	763.2	737.2	739.2	741.2	743.2
20°	1134.8	1066.9	973.0	883.1	813.2	753.2	703.3	683.3	677.3	681.3	683.3
22.5°	1180.8	1102.9	969.0	871.1	763.2	705.3	661.3	621.4	617.4	617.4	617.4
25°	1256.7	1156.8	987.0	831.2	737.2	649.3	599.4	561.4	543.4	545.4	547.4
27.5°	1372.6	1242.7	1005.0	833.2	677.3	599.4	537.5	495.5	485.5	487.5	489.5
30°	1494.5	1358.6	1050.9	793.2	643.3	523.5	459.5	429.6	417.6	411.6	413.6
32.5°	1588.4	1460.5	1114.9	781.2	581.4	441.5	401.6	377.6	361.6	355.6	355.6
35°	1738.2	1560.4	1166.8	751.2	517.5	389.6	357.6	331.7	323.7	319.7	319.7
37.5°	1866.1	1670.3	1220.8	739.2	439.6	349.6	309.7	293.7	293.7	289.7	287.7
40°	2004.0	1786.2	1250.7	703.3	379.6	307.7	267.7	265.7	271.7	271.7	271.7
42.5°	2169.8	1906.1	1282.7	661.3	333.7	259.7	237.8	253.7	267.7	271.7	271.7
45°	2293.7	1982.0	1296.7	571.4	287.7	225.8	233.8	249.7	267.7	273.7	271.7
47.5°	2399.6	2091.9	1276.7	461.5	247.7	219.8	229.8	243.8	265.7	273.7	273.7
50°	2505.4	2185.8	1262.7	333.7	231.8	219.8	229.8	235.8	259.7	269.7	269.7
52.5°	2661.3	2259.7	1206.8	279.7	219.8	221.8	233.8	233.8	255.7	267.7	273.7
55°	2861.1	2429.5	1100.9	261.7	215.8	219.8	235.8	235.8	251.7	263.7	267.7
57.5°	2943.0	2489.5	919.1	245.7	211.8	219.8	229.8	233.8	253.7	261.7	259.7
60°	3050.9	2587.4	753.2	229.8	203.8	215.8	221.8	235.8	251.7	253.7	251.7
62.5°	3108.8	2599.3	623.4	213.8	197.8	209.8	211.8	227.8	243.8	249.7	251.7
65°	3140.8	2587.4	461.5	197.8	191.8	201.8	203.8	217.8	233.8	237.8	239.8
67.5°	3024.9	2505.4	319.7	181.8	185.8	191.8	195.8	209.8	221.8	233.8	237.8
70°	2817.1	2267.7	227.8	161.8	175.8	181.8	189.8	203.8	215.8	231.8	235.8
72.5°	2587.4	1826.1	167.8	137.9	161.8	169.8	183.8	193.8	211.8	231.8	237.8
75°	2371.6	1602.4	133.9	117.9	137.9	155.8	173.8	187.8	213.8	283.7	293.7
77.5°	1682.3	1082.9	119.9	103.9	117.9	135.9	159.8	183.8	297.7	337.7	339.7
80°	1220.8	637.4	107.9	91.9	101.9	109.9	145.9	225.8	329.7	311.7	311.7
82.5°	611.4	341.7	101.9	81.9	87.9	89.9	129.9	287.7	265.7	277.7	279.7
85°	295.7	165.8	83.9	71.9	75.9	73.9	121.9	273.7	251.7	253.7	249.7
87.5°	185.8	101.9	65.9	59.9	61.9	59.9	115.9	261.7	263.7	215.8	219.8
90°	167.8	119.9	51.9	48.0	42.0	49.9	103.9	243.8	257.7	155.8	129.9
92.5°	161.8	129.9	38.0	34.0	30.0	40.0	77.9	197.8	157.8	65.9	40.0
95°	143.9	113.9	32.0	24.0	28.0	34.0	49.9	131.9	105.9	0.0	0.0
97.5°	107.9	83.9	26.0	16.0	89.9	30.0	28.0	85.9	30.0	0.0	0.0
100°	67.9	51.9	20.0	12.0	101.9	20.0	18.0	49.9	0.0	0.0	0.0
102.5°	38.0	28.0	10.0	8.0	44.0	10.0	12.0	12.0	0.0	0.0	0.0
105°	16.0	14.0	4.0	4.0	4.0	2.0	6.0	0.0	0.0	0.0	0.0
107.5°	4.0	6.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691387
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030

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	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	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	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	4.0	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	2.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.0	2.0	2.0	2.0	2.0	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)