

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: P691380

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5408 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - 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

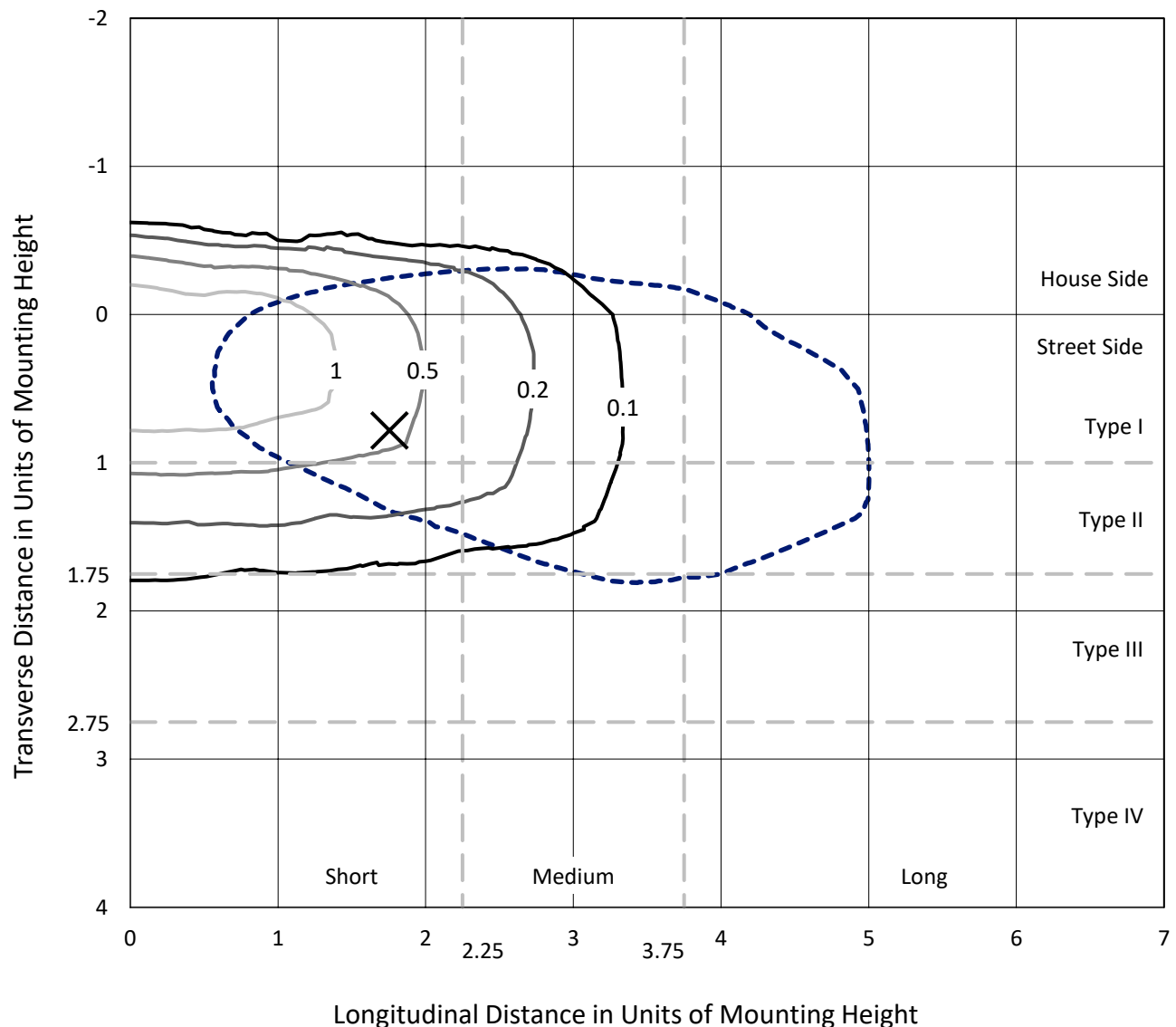


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

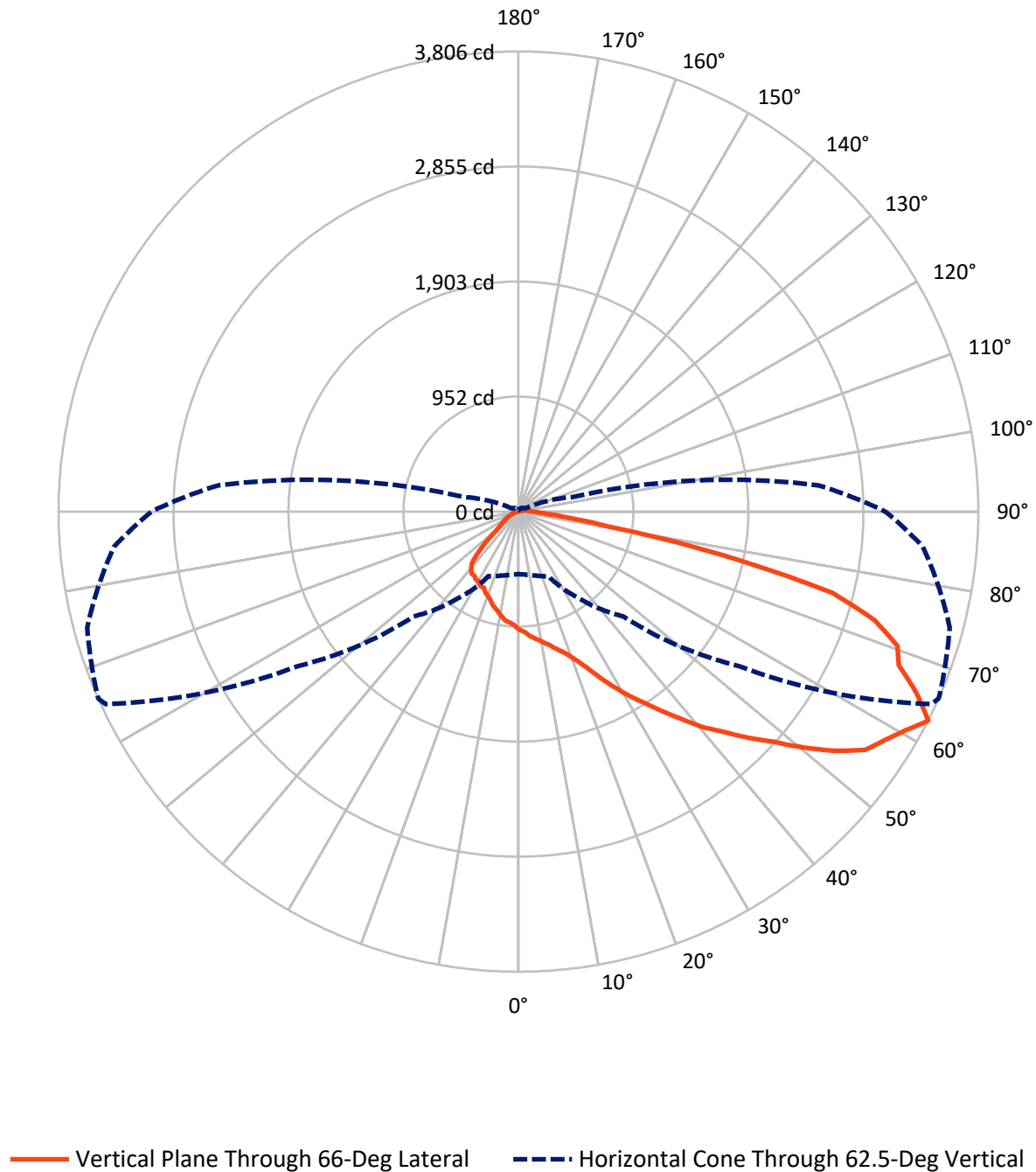


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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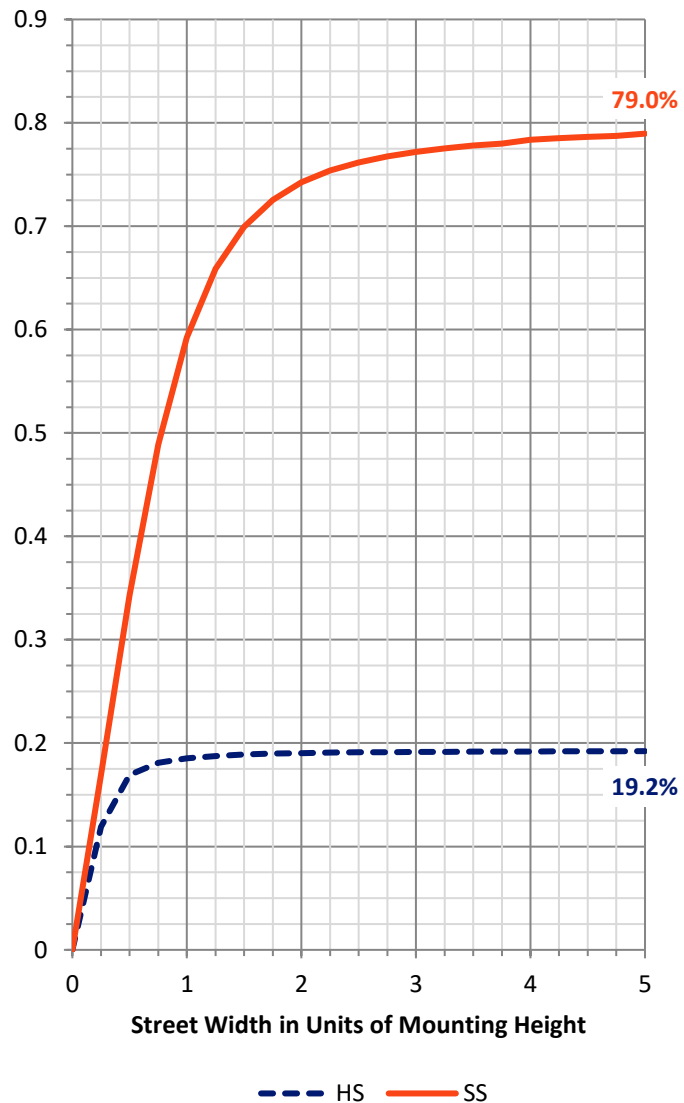
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.4	14.9	1069.3
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4297.5	41.2	4338.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	5351.9	56.1	5408.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	1.7
10°-20°	272.1	5.0
20°-30°	457.9	8.5
30°-40°	680.9	12.6
40°-50°	900.9	16.7
50°-60°	1048.9	19.4
60°-70°	1047.2	19.4
70°-80°	702.7	13.0
80°-90°	148.5	2.7
90°-100°	45.2	0.8
100°-110°	7.9	0.1
110°-120°	0.6	0.0
120°-130°	0.7	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°	5351.9	99.0
0°-180°	5408.0	100.0

Coefficient of Utilization



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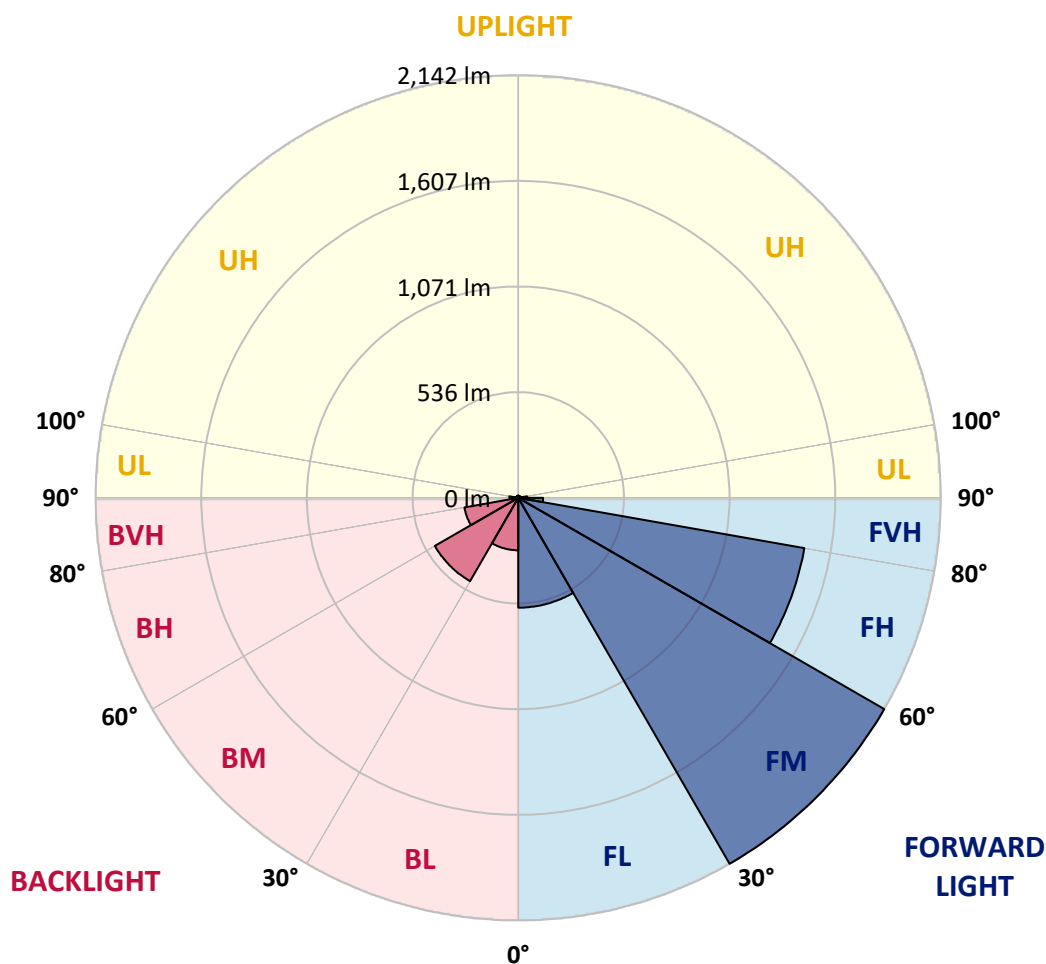
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.8	10.3			
FM	(30°-60°)	2142.5	39.6			
FH	(60°-80°)	1472.6	27.2			G1/1800
FVH	(80°-90°)	125.6	2.3			G2/225
BL	(0°-30°)	266.0	4.9	B1/500		
BM	(30°-60°)	488.2	9.0	B1/1000		
BH	(60°-80°)	277.3	5.1	B1/500		G1/500
BVH	(80°-90°)	22.8	0.4			G1/100
UL	(90°-100°)	45.2	0.8		U2/50	
UH	(100°-180°)	10.9	0.2		U2/50	

BUG Rating: B1-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1
2.5°	1043.0	1037.0	1039.0	1029.0	1019.0	1013.0	1007.0	997.0	997.0	989.0	979.1
5°	1116.9	1118.9	1116.9	1104.9	1092.9	1075.0	1053.0	1035.0	1035.0	1017.0	993.0
7.5°	1166.9	1164.9	1164.9	1150.9	1142.9	1132.9	1106.9	1067.0	1065.0	1041.0	1011.0
10°	1186.9	1188.9	1196.8	1176.9	1168.9	1154.9	1140.9	1100.9	1096.9	1057.0	1009.0
12.5°	1230.8	1232.8	1228.8	1212.8	1202.8	1192.9	1170.9	1136.9	1132.9	1089.0	1023.0
15°	1282.8	1282.8	1276.8	1260.8	1254.8	1240.8	1214.8	1182.9	1178.9	1128.9	1049.0
17.5°	1310.7	1314.7	1314.7	1292.8	1294.8	1288.8	1274.8	1232.8	1226.8	1180.9	1085.0
20°	1324.7	1326.7	1330.7	1330.7	1328.7	1326.7	1334.7	1296.8	1292.8	1238.8	1126.9
22.5°	1364.7	1368.7	1378.7	1372.7	1378.7	1386.7	1388.7	1386.7	1380.7	1322.7	1196.8
25°	1382.7	1394.7	1408.6	1426.6	1444.6	1456.6	1484.6	1498.6	1494.6	1438.6	1306.7
27.5°	1362.7	1374.7	1424.6	1458.6	1514.5	1548.5	1600.5	1622.4	1620.4	1574.5	1420.6
30°	1396.7	1400.7	1422.6	1470.6	1542.5	1636.4	1708.4	1742.3	1750.3	1708.4	1540.5
32.5°	1346.7	1360.7	1422.6	1512.5	1620.4	1720.3	1790.3	1866.2	1876.2	1858.2	1698.4
35°	1342.7	1352.7	1386.7	1484.6	1622.4	1808.3	1904.2	2008.1	2016.1	2022.1	1858.2
37.5°	1286.8	1300.7	1368.7	1492.6	1682.4	1866.2	2000.1	2149.9	2169.9	2193.9	1992.1
40°	1224.8	1234.8	1292.8	1424.6	1668.4	1934.1	2092.0	2321.8	2341.7	2371.7	2169.9
42.5°	1132.9	1154.9	1252.8	1394.7	1660.4	1954.1	2183.9	2473.6	2491.6	2533.6	2319.8
45°	1051.0	1061.0	1136.9	1292.8	1596.5	1990.1	2261.8	2651.4	2669.4	2689.4	2437.7
47.5°	987.1	999.0	1071.0	1210.8	1532.5	1982.1	2333.8	2827.3	2847.3	2893.2	2583.5
50°	783.2	813.2	995.0	1130.9	1426.6	1966.1	2395.7	3023.1	3069.0	3087.0	2735.4
52.5°	673.4	683.3	777.3	1059.0	1322.7	1908.2	2449.6	3236.9	3288.8	3254.9	2939.2
55°	627.4	633.4	679.3	917.1	1228.8	1790.3	2493.6	3442.7	3480.7	3372.8	3089.0
57.5°	593.4	603.4	623.4	743.3	1118.9	1592.5	2495.6	3556.6	3570.6	3470.7	3161.0
60°	549.5	553.5	595.4	647.4	995.0	1386.7	2427.7	3614.5	3676.5	3584.6	3306.8
62.5°	517.5	521.5	547.5	589.4	877.2	1224.8	2227.9	3768.4	3806.3	3694.4	3360.8
65°	477.5	483.5	505.5	547.5	795.2	1126.9	2128.0	3728.4	3618.5	3668.5	3422.7
67.5°	435.6	439.6	463.6	495.5	677.3	1033.0	1880.2	3474.7	3394.7	3538.6	3256.9
70°	391.6	395.6	417.6	439.6	557.5	917.1	1566.5	3258.9	3326.8	3334.8	3101.0
72.5°	345.7	349.7	369.6	387.6	461.6	771.3	1244.8	3043.1	3085.0	2963.1	2739.4
75°	299.7	301.7	317.7	335.7	383.6	621.4	891.1	2523.6	2683.4	2831.3	2363.7
77.5°	241.8	245.8	261.7	267.7	307.7	501.5	577.4	1500.6	1710.4	2477.6	2122.0
80°	177.8	179.8	195.8	193.8	229.8	365.6	363.7	713.3	767.3	1530.5	1558.5
82.5°	117.9	121.9	135.9	131.9	155.9	221.8	227.8	383.6	409.6	593.4	683.3
85°	93.9	95.9	103.9	95.9	103.9	111.9	125.9	231.8	235.8	351.7	349.7
87.5°	75.9	77.9	85.9	79.9	81.9	85.9	99.9	147.9	151.9	221.8	229.8
90°	59.9	61.9	71.9	65.9	65.9	71.9	83.9	109.9	115.9	173.8	187.8
92.5°	40.0	40.0	46.0	44.0	44.0	52.0	73.9	81.9	87.9	161.8	169.8
95°	30.0	30.0	32.0	32.0	32.0	38.0	55.9	77.9	85.9	157.8	153.9
97.5°	20.0	20.0	22.0	22.0	22.0	24.0	32.0	63.9	71.9	127.9	125.9
100°	14.0	14.0	14.0	12.0	12.0	12.0	18.0	42.0	48.0	81.9	81.9
102.5°	10.0	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	8.0	18.0	18.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0
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	2.0
155°	0.0	0.0	0.0	0.0	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	2.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1	977.1
2.5°	973.1	967.1	953.1	941.1	931.1	921.1	905.1	899.1	895.1	901.1	901.1
5°	979.1	963.1	939.1	919.1	901.1	879.2	855.2	841.2	829.2	835.2	835.2
7.5°	989.0	967.1	937.1	903.1	857.2	819.2	789.2	771.3	761.3	767.3	771.3
10°	983.1	959.1	919.1	867.2	813.2	773.3	735.3	707.3	697.3	693.3	697.3
12.5°	989.0	961.1	893.1	831.2	779.3	715.3	669.4	639.4	627.4	627.4	627.4
15°	1009.0	967.1	877.2	805.2	725.3	663.4	615.4	583.4	579.4	565.5	565.5
17.5°	1037.0	973.1	871.2	765.3	677.3	613.4	557.5	525.5	515.5	517.5	517.5
20°	1065.0	985.1	859.2	731.3	633.4	557.5	499.5	469.5	445.6	437.6	441.6
22.5°	1112.9	1019.0	849.2	713.3	583.4	511.5	447.6	397.6	357.7	345.7	339.7
25°	1182.9	1073.0	863.2	671.4	553.5	459.6	383.6	313.7	265.7	253.8	251.8
27.5°	1310.7	1156.9	879.2	671.4	505.5	413.6	305.7	231.8	193.8	181.8	185.8
30°	1430.6	1270.8	925.1	635.4	485.5	331.7	227.8	173.8	139.9	125.9	129.9
32.5°	1530.5	1378.7	989.0	627.4	427.6	245.8	165.8	121.9	97.9	89.9	91.9
35°	1674.4	1470.6	1039.0	599.4	351.7	179.8	115.9	85.9	75.9	71.9	71.9
37.5°	1812.3	1582.5	1089.0	593.4	259.8	131.9	77.9	69.9	67.9	61.9	61.9
40°	1944.1	1696.4	1110.9	559.5	183.8	85.9	65.9	63.9	61.9	55.9	55.9
42.5°	2106.0	1806.3	1130.9	515.5	127.9	63.9	57.9	59.9	57.9	52.0	50.0
45°	2229.9	1880.2	1136.9	403.6	81.9	59.9	53.9	55.9	53.9	48.0	48.0
47.5°	2333.8	1980.1	1112.9	275.7	67.9	55.9	50.0	52.0	50.0	46.0	44.0
50°	2439.7	2072.0	1091.0	147.9	63.9	53.9	48.0	44.0	46.0	42.0	40.0
52.5°	2583.5	2139.9	1033.0	89.9	59.9	50.0	44.0	40.0	40.0	36.0	38.0
55°	2781.3	2307.8	925.1	83.9	57.9	48.0	42.0	36.0	36.0	32.0	32.0
57.5°	2869.2	2373.7	751.3	75.9	55.9	48.0	38.0	32.0	28.0	26.0	24.0
60°	2977.1	2471.6	591.4	69.9	52.0	46.0	34.0	28.0	22.0	20.0	20.0
62.5°	3037.1	2491.6	461.6	63.9	50.0	40.0	30.0	22.0	18.0	14.0	14.0
65°	3067.0	2477.6	307.7	57.9	46.0	38.0	26.0	18.0	12.0	10.0	10.0
67.5°	2953.2	2403.7	177.8	53.9	44.0	34.0	22.0	14.0	10.0	8.0	6.0
70°	2759.3	2187.9	111.9	48.0	42.0	30.0	20.0	12.0	8.0	6.0	4.0
72.5°	2531.6	1786.3	81.9	44.0	40.0	26.0	16.0	10.0	6.0	4.0	4.0
75°	2311.8	1556.5	69.9	38.0	34.0	22.0	14.0	8.0	6.0	4.0	2.0
77.5°	1654.4	1061.0	61.9	34.0	30.0	18.0	10.0	8.0	4.0	2.0	2.0
80°	1174.9	623.4	55.9	28.0	24.0	14.0	10.0	6.0	4.0	2.0	2.0
82.5°	563.5	323.7	53.9	24.0	18.0	12.0	8.0	6.0	4.0	2.0	2.0
85°	255.8	137.9	40.0	22.0	16.0	12.0	8.0	6.0	4.0	4.0	2.0
87.5°	155.9	71.9	32.0	18.0	12.0	10.0	6.0	4.0	4.0	4.0	4.0
90°	145.9	93.9	24.0	14.0	10.0	8.0	6.0	2.0	0.0	0.0	0.0
92.5°	139.9	107.9	18.0	10.0	6.0	6.0	2.0	0.0	0.0	0.0	0.0
95°	131.9	101.9	20.0	6.0	10.0	4.0	2.0	0.0	0.0	0.0	0.0
97.5°	103.9	79.9	22.0	6.0	50.0	4.0	2.0	0.0	0.0	0.0	0.0
100°	65.9	50.0	16.0	6.0	59.9	4.0	0.0	0.0	0.0	0.0	0.0
102.5°	38.0	28.0	8.0	6.0	18.0	2.0	0.0	0.0	0.0	0.0	0.0
105°	16.0	14.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	4.0	4.0	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: P691380

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

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	2.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	4.0	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	2.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	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)