

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: P691472

Luminaire Tested: **CRTK2-C016-D-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691472
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-D-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: 5147 lumens
Efficiency: N/A
Efficacy: 123.7 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): 41.6
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



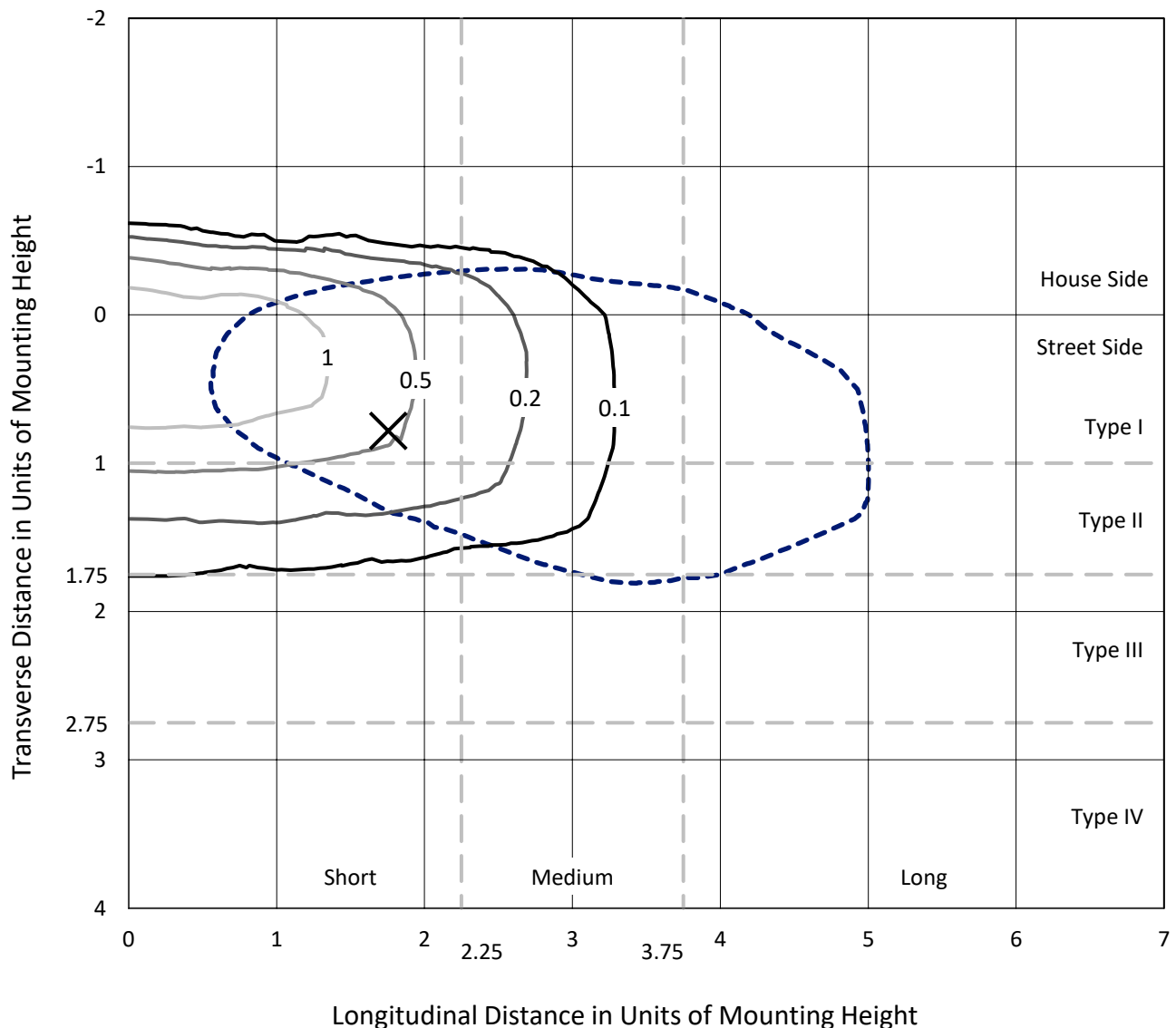
REPORT NUMBER: P691472

CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd



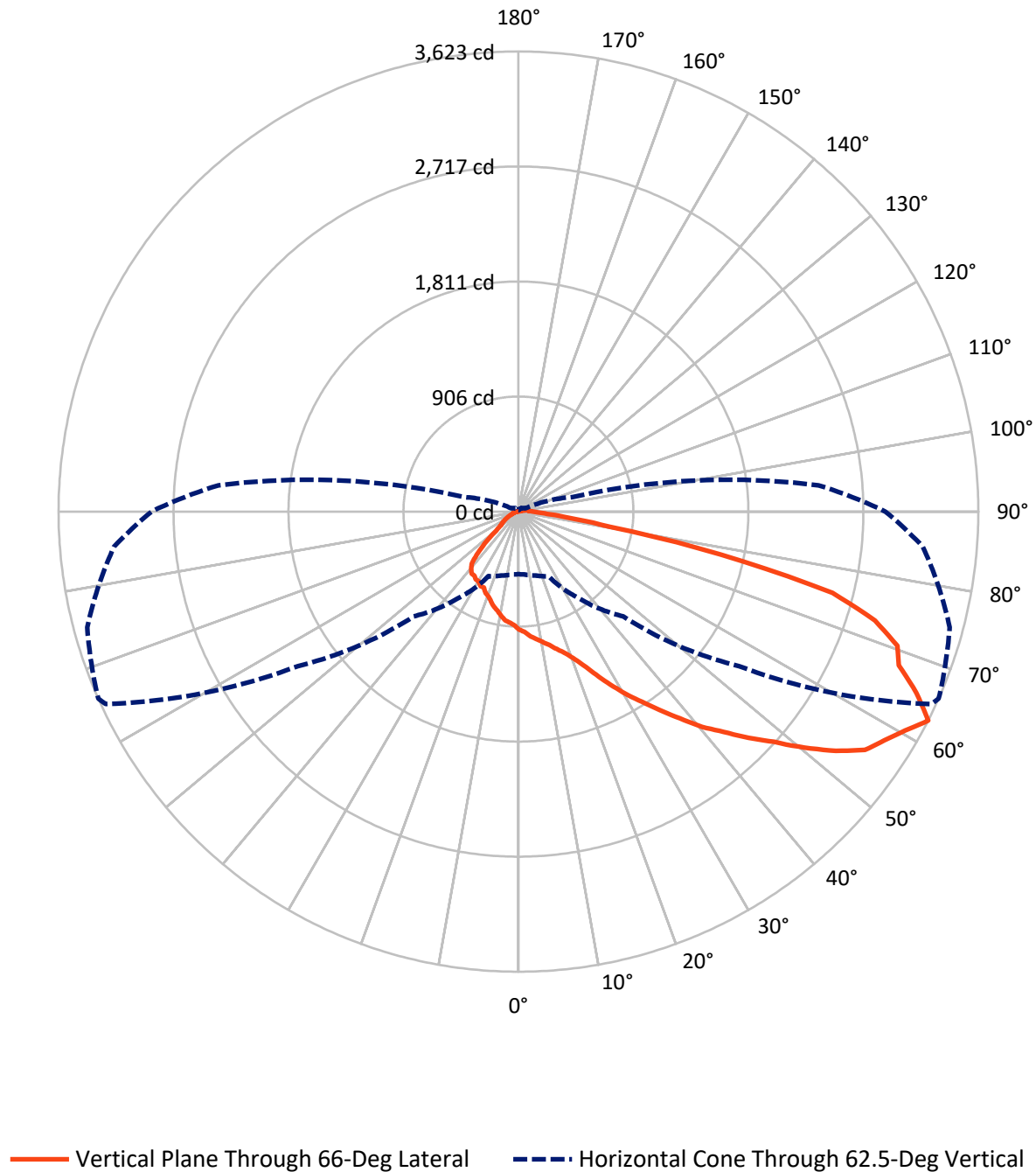
Based on 25 foot mounting height. Maximum calculated value = 1.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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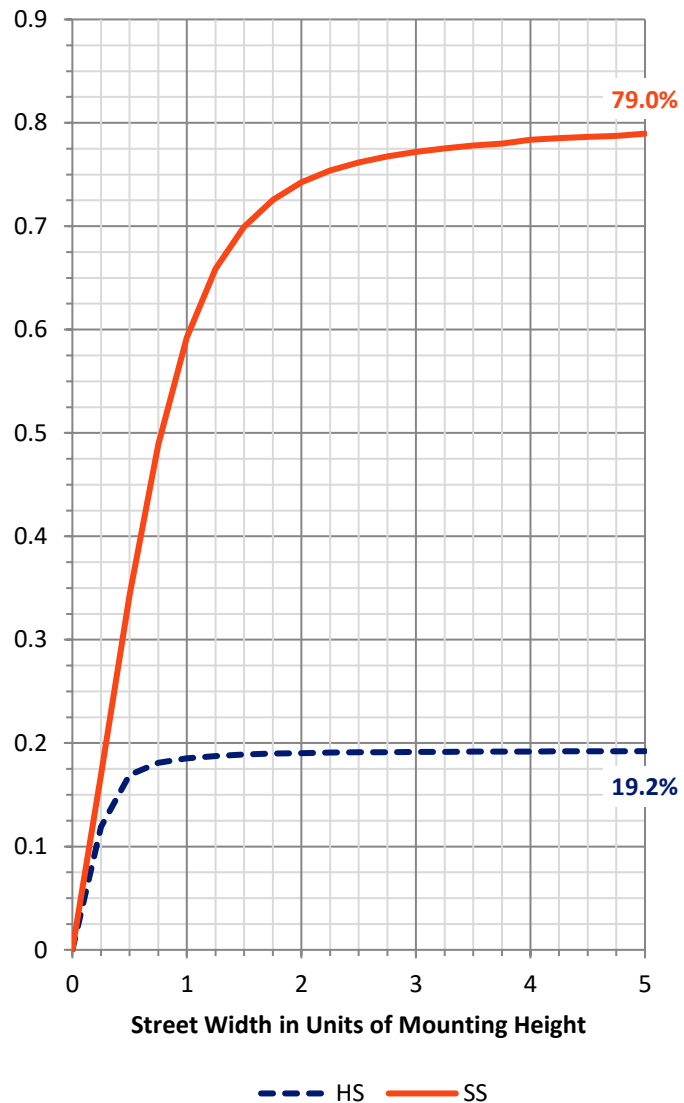
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1003.5	14.2	1017.6
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4090.1	39.2	4129.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	5093.6	53.4	5147.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.7
10°-20°	259.0	5.0
20°-30°	435.8	8.5
30°-40°	648.0	12.6
40°-50°	857.4	16.7
50°-60°	998.3	19.4
60°-70°	996.6	19.4
70°-80°	668.8	13.0
80°-90°	141.3	2.7
90°-100°	43.0	0.8
100°-110°	7.5	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°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5093.6	99.0
0°-180°	5147.0	100.0

Coefficient of Utilization



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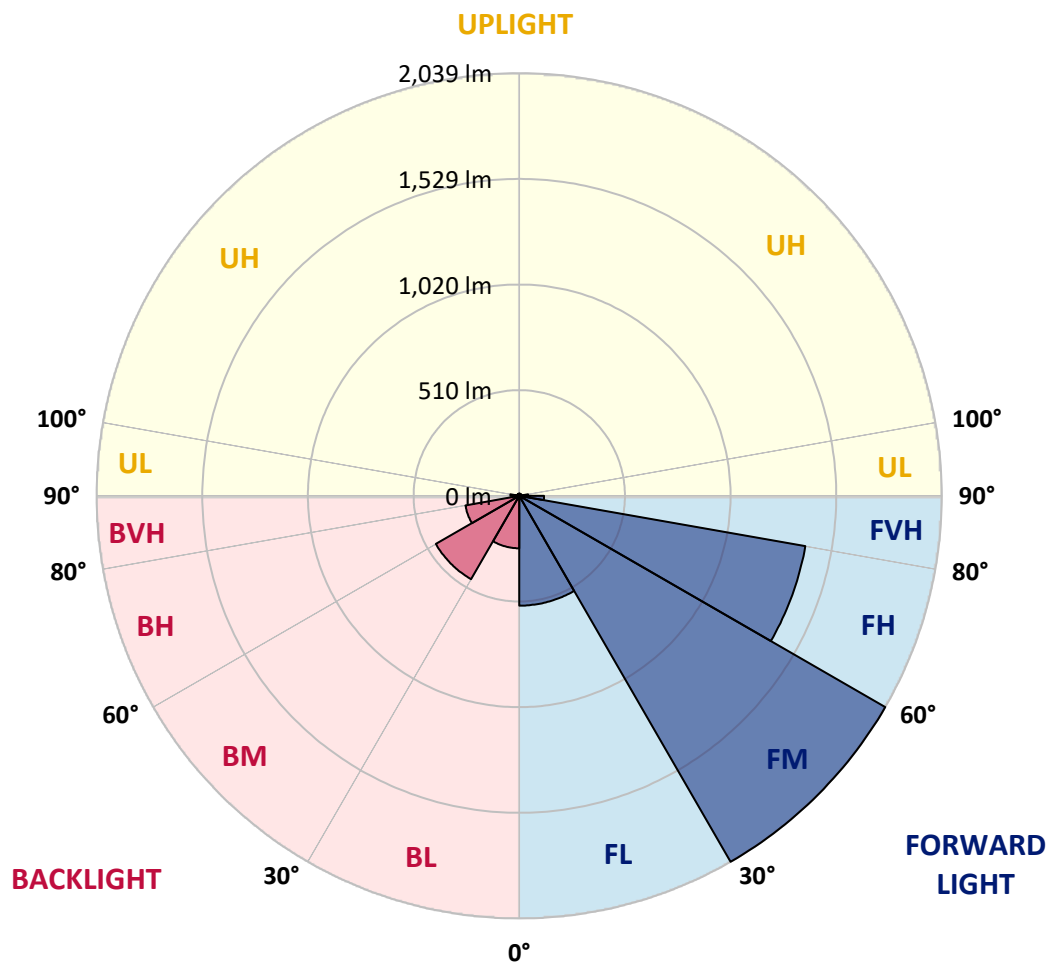
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.9	10.3			
FM	(30°-60°)	2039.1	39.6			
FH	(60°-80°)	1401.6	27.2			G1/1800
FVH	(80°-90°)	119.6	2.3			G2/225
BL	(0°-30°)	253.2	4.9	B1/500		
BM	(30°-60°)	464.7	9.0	B1/1000		
BH	(60°-80°)	263.9	5.1	B1/500		G1/500
BVH	(80°-90°)	21.7	0.4			G1/100
UL	(90°-100°)	43.0	0.8		U2/50	
UH	(100°-180°)	10.4	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°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	992.7	987.0	988.9	979.3	969.8	964.1	958.4	948.9	948.9	941.3	931.8
5°	1063.0	1064.9	1063.0	1051.6	1040.2	1023.1	1002.2	985.1	985.1	967.9	945.1
7.5°	1110.6	1108.7	1108.7	1095.3	1087.7	1078.2	1053.5	1015.5	1013.6	990.8	962.2
10°	1129.6	1131.5	1139.1	1120.1	1112.5	1099.2	1085.8	1047.8	1044.0	1006.0	960.3
12.5°	1171.4	1173.3	1169.5	1154.3	1144.8	1135.3	1114.4	1082.0	1078.2	1036.4	973.6
15°	1220.9	1220.9	1215.2	1199.9	1194.2	1180.9	1156.2	1125.8	1122.0	1074.4	998.4
17.5°	1247.5	1251.3	1251.3	1230.4	1232.3	1226.6	1213.3	1173.3	1167.6	1123.9	1032.6
20°	1260.8	1262.7	1266.5	1266.5	1264.6	1262.7	1270.3	1234.2	1230.4	1179.0	1072.5
22.5°	1298.8	1302.6	1312.1	1306.4	1312.1	1319.7	1321.6	1319.7	1314.0	1258.9	1139.1
25°	1315.9	1327.3	1340.7	1357.8	1374.9	1386.3	1412.9	1426.2	1422.4	1369.2	1243.7
27.5°	1296.9	1308.3	1355.9	1388.2	1441.4	1473.8	1523.2	1544.1	1542.2	1498.5	1352.1
30°	1329.3	1333.1	1354.0	1399.6	1468.1	1557.4	1625.9	1658.2	1665.8	1625.9	1466.2
32.5°	1281.7	1295.0	1354.0	1439.5	1542.2	1637.3	1703.9	1776.1	1785.6	1768.5	1616.4
35°	1277.9	1287.4	1319.7	1412.9	1544.1	1721.0	1812.3	1911.2	1918.8	1924.5	1768.5
37.5°	1224.7	1238.0	1302.6	1420.5	1601.2	1776.1	1903.5	2046.2	2065.2	2088.0	1895.9
40°	1165.7	1175.2	1230.4	1355.9	1587.9	1840.8	1991.0	2209.7	2228.7	2257.3	2065.2
42.5°	1078.2	1099.2	1192.3	1327.3	1580.3	1859.8	2078.5	2354.2	2371.4	2411.3	2207.8
45°	1000.3	1009.8	1082.0	1230.4	1519.4	1894.0	2152.7	2523.5	2540.6	2559.6	2320.0
47.5°	939.4	950.8	1019.3	1152.4	1458.6	1886.4	2221.1	2690.8	2709.8	2753.6	2458.8
50°	745.4	774.0	947.0	1076.3	1357.8	1871.2	2280.1	2877.2	2920.9	2938.0	2603.4
52.5°	640.9	650.4	739.7	1007.9	1258.9	1816.1	2331.4	3080.7	3130.1	3097.8	2797.3
55°	597.1	602.8	646.6	872.9	1169.5	1703.9	2373.3	3276.5	3312.7	3210.0	2939.9
57.5°	564.8	574.3	593.3	707.4	1064.9	1515.6	2375.2	3384.9	3398.2	3303.2	3008.4
60°	523.0	526.8	566.7	616.1	947.0	1319.7	2310.5	3440.1	3499.0	3411.6	3147.2
62.5°	492.5	496.3	521.1	561.0	834.8	1165.7	2120.3	3586.5	3622.6	3516.1	3198.6
65°	454.5	460.2	481.1	521.1	756.9	1072.5	2025.3	3548.5	3443.9	3491.4	3257.5
67.5°	414.6	418.4	441.2	471.6	644.7	983.2	1789.4	3307.0	3230.9	3367.8	3099.7
70°	372.7	376.5	397.4	418.4	530.6	872.9	1490.9	3101.6	3166.2	3173.8	2951.4
72.5°	329.0	332.8	351.8	368.9	439.3	734.0	1184.7	2896.2	2936.1	2820.1	2607.2
75°	285.2	287.1	302.4	319.5	365.1	591.4	848.1	2401.8	2553.9	2694.6	2249.6
77.5°	230.1	233.9	249.1	254.8	292.9	477.3	549.6	1428.1	1627.8	2358.0	2019.5
80°	169.2	171.1	186.4	184.5	218.7	348.0	346.1	678.9	730.2	1456.7	1483.3
82.5°	112.2	116.0	129.3	125.5	148.3	211.1	216.8	365.1	389.8	564.8	650.4
85°	89.4	91.3	98.9	91.3	98.9	106.5	119.8	220.6	224.4	334.7	332.8
87.5°	72.3	74.2	81.8	76.1	78.0	81.8	95.1	140.7	144.5	211.1	218.7
90°	57.0	59.0	68.5	62.8	62.8	68.5	79.9	104.6	110.3	165.4	178.8
92.5°	38.0	38.0	43.7	41.8	41.8	49.4	70.4	78.0	83.7	154.0	161.6
95°	28.5	28.5	30.4	30.4	30.4	36.1	53.2	74.2	81.8	150.2	146.4
97.5°	19.0	19.0	20.9	20.9	20.9	22.8	30.4	60.9	68.5	121.7	119.8
100°	13.3	13.3	13.3	11.4	11.4	11.4	17.1	39.9	45.6	78.0	78.0
102.5°	9.5	7.6	7.6	7.6	5.7	5.7	7.6	19.0	20.9	41.8	39.9
105°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	7.6	7.6	17.1	17.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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	1.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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	1.9
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°	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9	929.9
2.5°	926.1	920.4	907.1	895.7	886.2	876.7	861.4	855.7	851.9	857.6	857.6
5°	931.8	916.6	893.8	874.8	857.6	836.7	813.9	800.6	789.2	794.9	794.9
7.5°	941.3	920.4	891.9	859.5	815.8	779.7	751.2	734.0	724.5	730.2	734.0
10°	935.6	912.8	874.8	825.3	774.0	735.9	699.8	673.2	663.7	659.9	663.7
12.5°	941.3	914.7	850.0	791.1	741.6	680.8	637.1	608.5	597.1	597.1	597.1
15°	960.3	920.4	834.8	766.4	690.3	631.3	585.7	555.3	551.5	538.2	538.2
17.5°	987.0	926.1	829.1	728.3	644.7	583.8	530.6	500.1	490.6	492.5	492.5
20°	1013.6	937.5	817.7	696.0	602.8	530.6	475.4	446.9	424.1	416.5	420.3
22.5°	1059.2	969.8	808.2	678.9	555.3	486.8	426.0	378.4	340.4	329.0	323.3
25°	1125.8	1021.2	821.5	639.0	526.8	437.4	365.1	298.6	252.9	241.5	239.6
27.5°	1247.5	1101.1	836.7	639.0	481.1	393.6	291.0	220.6	184.5	173.0	176.9
30°	1361.6	1209.4	880.5	604.7	462.1	315.7	216.8	165.4	133.1	119.8	123.6
32.5°	1456.7	1312.1	941.3	597.1	407.0	233.9	157.8	116.0	93.2	85.6	87.5
35°	1593.6	1399.6	988.9	570.5	334.7	171.1	110.3	81.8	72.3	68.5	68.5
37.5°	1724.8	1506.1	1036.4	564.8	247.2	125.5	74.2	66.6	64.7	59.0	59.0
40°	1850.3	1614.5	1057.3	532.5	175.0	81.8	62.8	60.9	59.0	53.2	53.2
42.5°	2004.3	1719.1	1076.3	490.6	121.7	60.9	55.1	57.0	55.1	49.4	47.5
45°	2122.2	1789.4	1082.0	384.1	78.0	57.0	51.3	53.2	51.3	45.6	45.6
47.5°	2221.1	1884.5	1059.2	262.4	64.7	53.2	47.5	49.4	47.5	43.7	41.8
50°	2321.9	1972.0	1038.3	140.7	60.9	51.3	45.6	41.8	43.7	39.9	38.0
52.5°	2458.8	2036.7	983.2	85.6	57.0	47.5	41.8	38.0	38.0	34.2	36.1
55°	2647.1	2196.4	880.5	79.9	55.1	45.6	39.9	34.2	34.2	30.4	30.4
57.5°	2730.8	2259.2	715.0	72.3	53.2	45.6	36.1	30.4	26.6	24.7	22.8
60°	2833.5	2352.3	562.9	66.6	49.4	43.7	32.3	26.6	20.9	19.0	19.0
62.5°	2890.5	2371.4	439.3	60.9	47.5	38.0	28.5	20.9	17.1	13.3	13.3
65°	2919.0	2358.0	292.9	55.1	43.7	36.1	24.7	17.1	11.4	9.5	9.5
67.5°	2810.6	2287.7	169.2	51.3	41.8	32.3	20.9	13.3	9.5	7.6	5.7
70°	2626.2	2082.3	106.5	45.6	39.9	28.5	19.0	11.4	7.6	5.7	3.8
72.5°	2409.4	1700.1	78.0	41.8	38.0	24.7	15.2	9.5	5.7	3.8	3.8
75°	2200.2	1481.4	66.6	36.1	32.3	20.9	13.3	7.6	5.7	3.8	1.9
77.5°	1574.6	1009.8	59.0	32.3	28.5	17.1	9.5	7.6	3.8	1.9	1.9
80°	1118.2	593.3	53.2	26.6	22.8	13.3	9.5	5.7	3.8	1.9	1.9
82.5°	536.3	308.1	51.3	22.8	17.1	11.4	7.6	5.7	3.8	1.9	1.9
85°	243.4	131.2	38.0	20.9	15.2	11.4	7.6	5.7	3.8	3.8	1.9
87.5°	148.3	68.5	30.4	17.1	11.4	9.5	5.7	3.8	3.8	3.8	3.8
90°	138.8	89.4	22.8	13.3	9.5	7.6	5.7	1.9	0.0	0.0	0.0
92.5°	133.1	102.7	17.1	9.5	5.7	5.7	1.9	0.0	0.0	0.0	0.0
95°	125.5	97.0	19.0	5.7	9.5	3.8	1.9	0.0	0.0	0.0	0.0
97.5°	98.9	76.1	20.9	5.7	47.5	3.8	1.9	0.0	0.0	0.0	0.0
100°	62.8	47.5	15.2	5.7	57.0	3.8	0.0	0.0	0.0	0.0	0.0
102.5°	36.1	26.6	7.6	5.7	17.1	1.9	0.0	0.0	0.0	0.0	0.0
105°	15.2	13.3	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
107.5°	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
110°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691472

CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
115°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
120°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
122.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
125°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0
132.5°	1.9	1.9	1.9	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
170°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.9	1.9	1.9	1.9	1.9	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)