

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: P691231

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4130 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 32.7
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

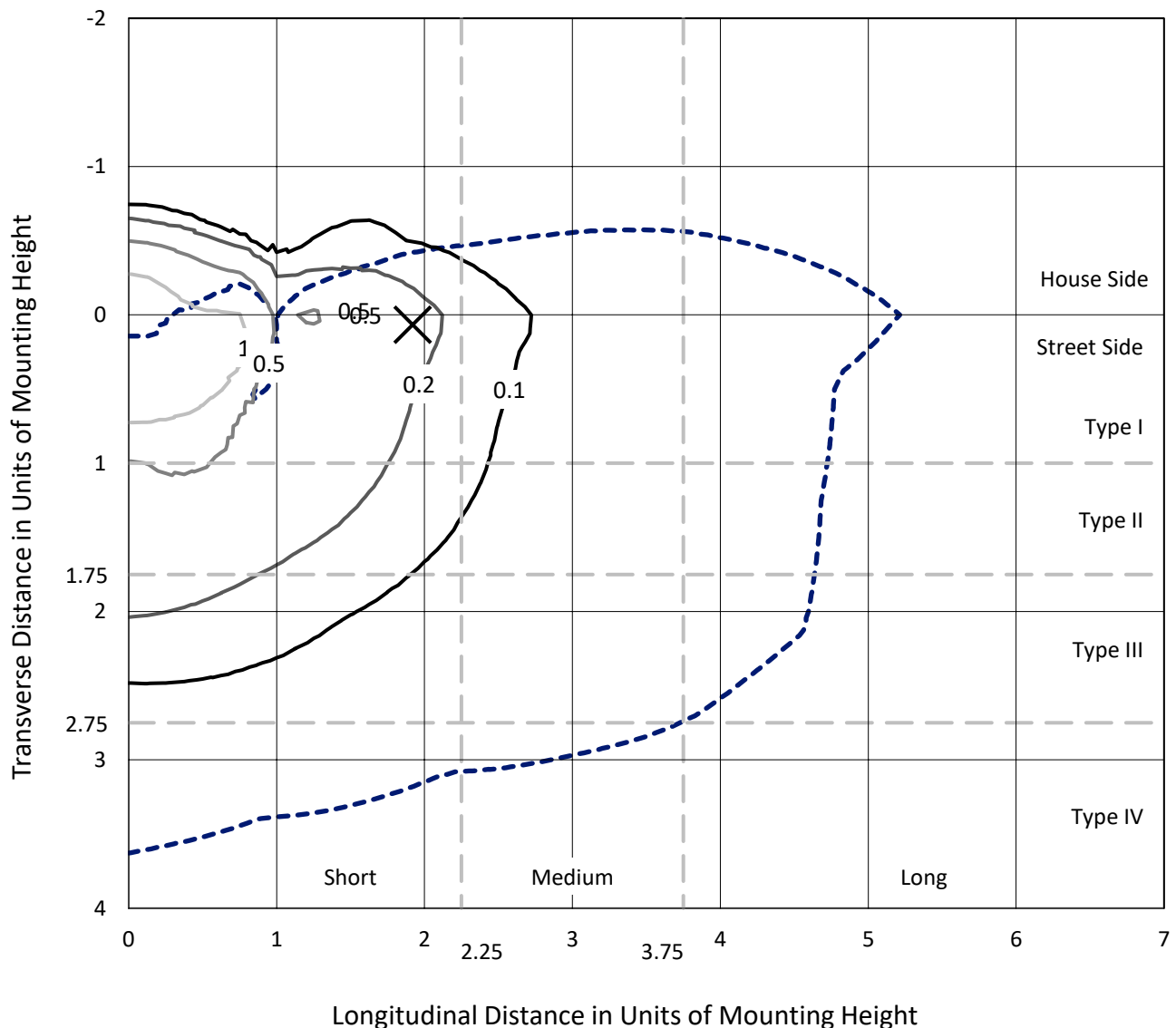


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

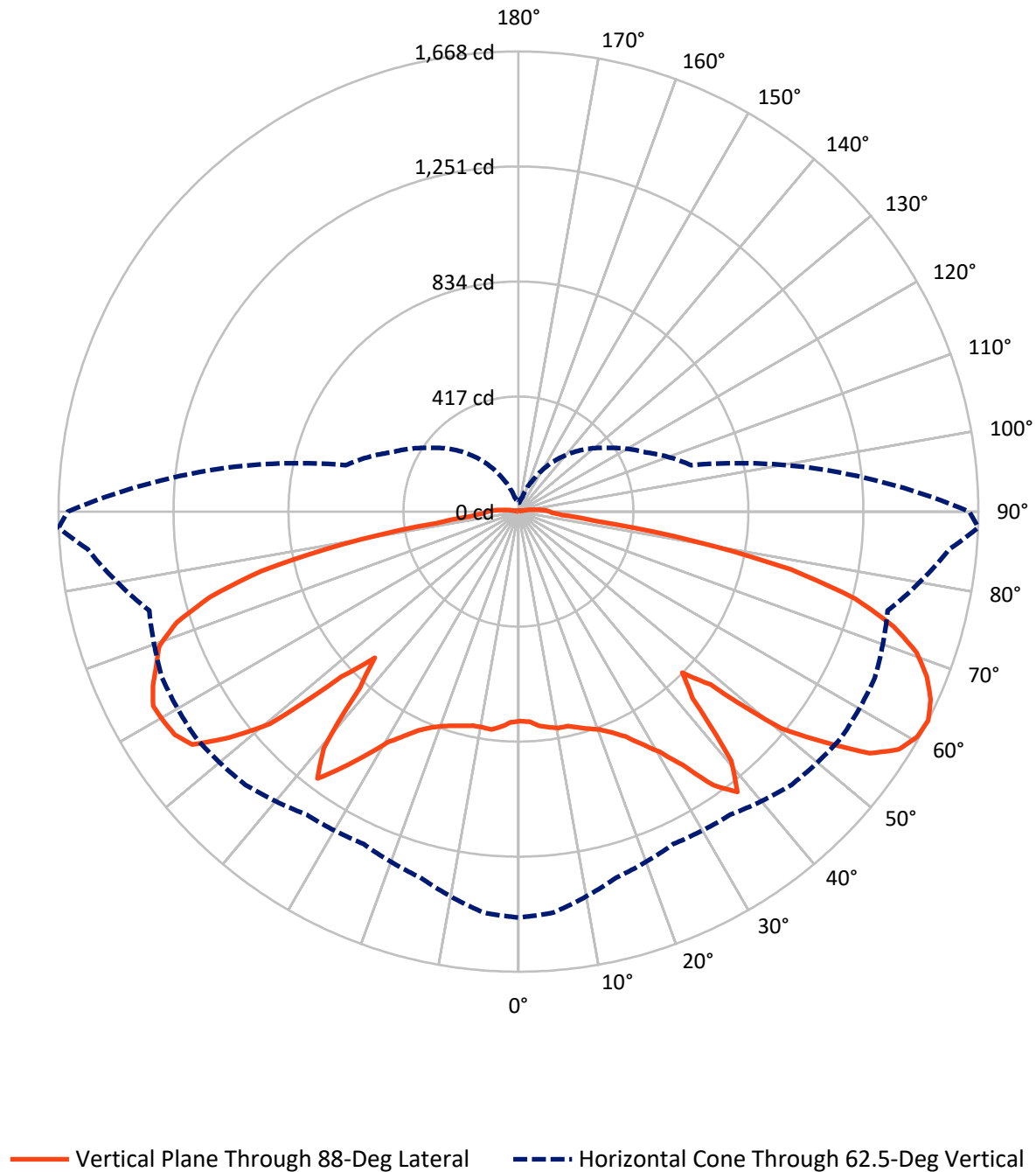


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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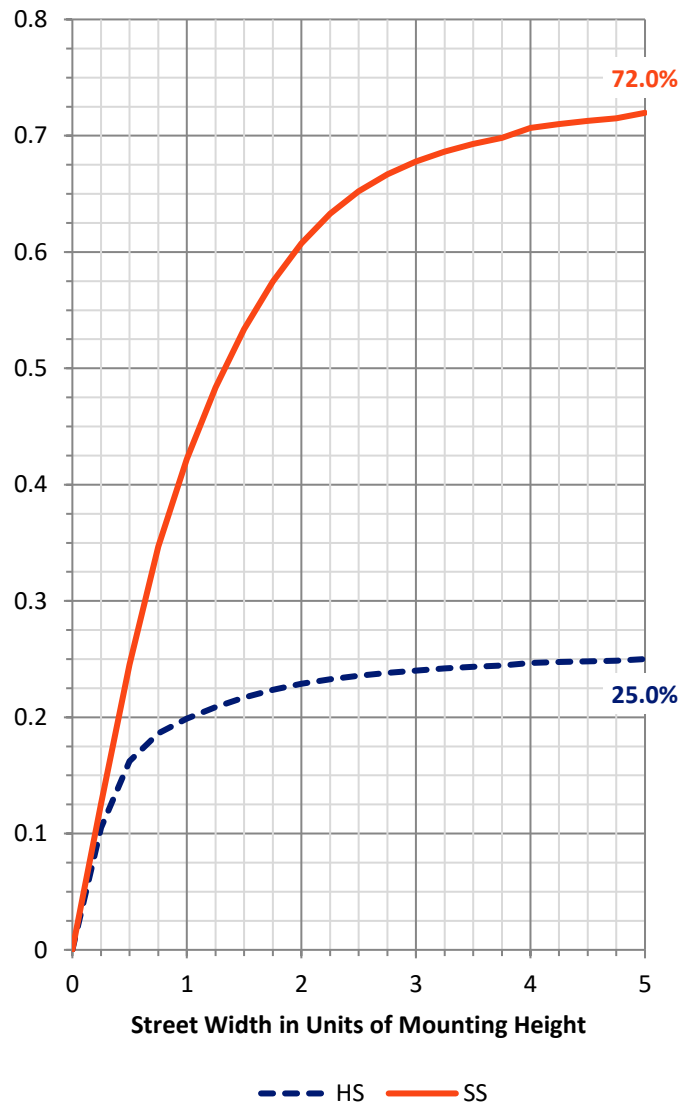
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1050.7	19.8	1070.5
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3010.7	48.8	3059.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	4061.4	68.6	4130.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	1.8
10°-20°	228.5	5.5
20°-30°	387.1	9.4
30°-40°	534.3	12.9
40°-50°	462.1	11.2
50°-60°	669.0	16.2
60°-70°	875.8	21.2
70°-80°	664.0	16.1
80°-90°	165.7	4.0
90°-100°	48.7	1.2
100°-110°	11.3	0.3
110°-120°	5.0	0.1
120°-130°	3.3	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4061.4	98.3
0°-180°	4130.0	100.0

Coefficient of Utilization



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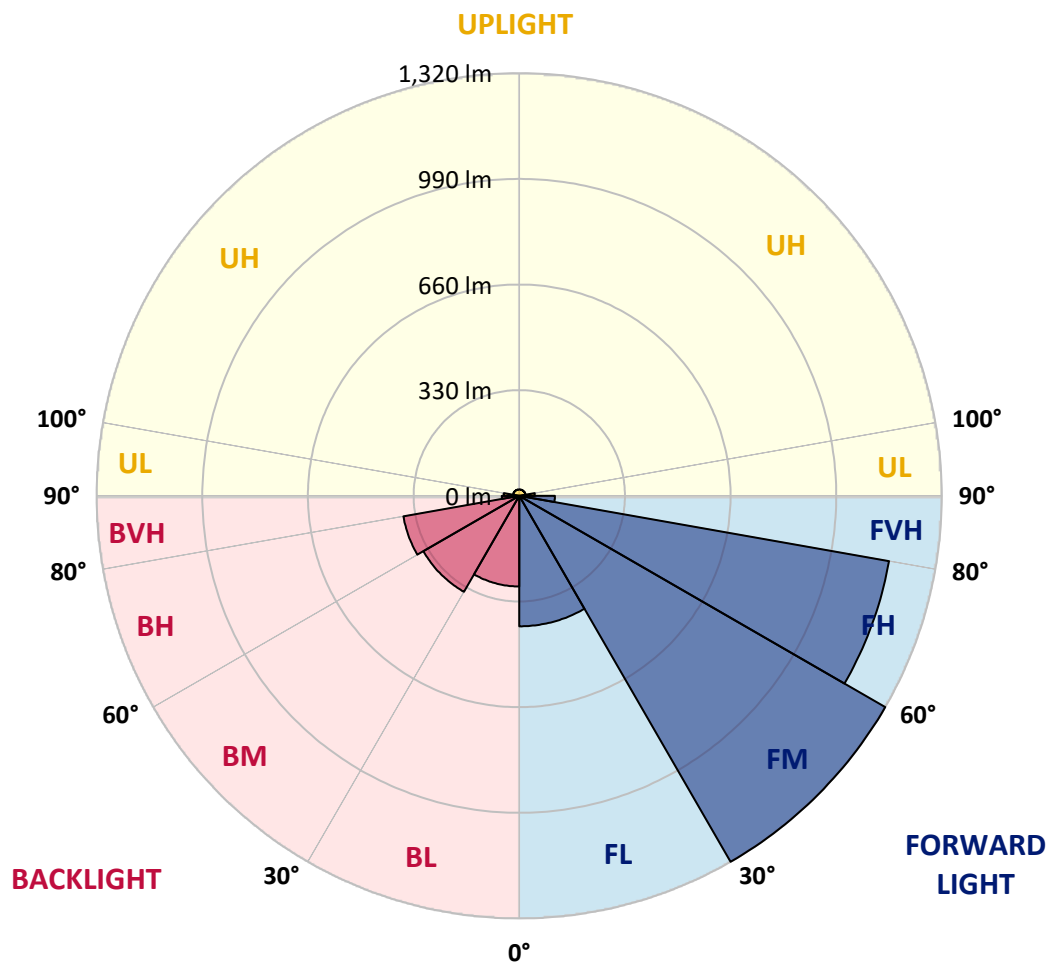
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.5	9.9			
FM	(30°-60°)	1319.5	31.9			
FH	(60°-80°)	1172.4	28.4			G1/1800
FVH	(80°-90°)	111.3	2.7			G2/225
BL	(0°-30°)	283.0	6.9	B1/500		
BM	(30°-60°)	346.0	8.4	B1/1000		
BH	(60°-80°)	367.4	8.9	B1/500		G1/500
BVH	(80°-90°)	54.4	1.3			G1/100
UL	(90°-100°)	48.7	1.2		U2/50	
UH	(100°-180°)	19.9	0.5		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5
2.5°	751.6	751.6	750.0	751.6	754.7	757.9	754.7	756.3	757.9	761.1	762.7
5°	780.1	778.5	775.3	772.1	769.0	769.0	765.8	764.2	767.4	776.9	780.1
7.5°	803.8	799.0	795.9	797.5	792.7	784.8	778.5	775.3	772.1	784.8	789.6
10°	841.8	838.6	827.5	818.0	811.7	799.0	784.8	783.2	781.6	794.3	797.5
12.5°	879.7	876.6	870.3	860.8	840.2	829.1	807.0	797.5	795.9	803.8	797.5
15°	935.1	928.8	911.4	901.9	881.3	863.9	837.0	822.8	825.9	814.9	811.7
17.5°	966.8	963.6	962.0	947.8	932.0	901.9	876.6	856.0	862.3	837.0	827.5
20°	1001.6	1000.0	1003.2	1004.7	984.2	957.3	925.6	894.0	895.6	862.3	843.4
22.5°	1045.9	1041.1	1047.5	1055.4	1038.0	1015.8	974.7	949.4	936.7	892.4	870.3
25°	1098.1	1096.5	1096.5	1110.8	1107.6	1077.5	1038.0	1009.5	996.8	936.7	903.5
27.5°	1151.9	1153.5	1156.6	1166.1	1170.9	1153.5	1115.5	1090.2	1066.5	987.3	954.1
30°	1186.7	1186.7	1208.9	1223.1	1229.4	1229.4	1183.5	1164.6	1140.8	1052.2	1011.1
32.5°	1229.4	1232.6	1253.2	1276.9	1286.4	1299.0	1261.1	1246.8	1226.3	1132.9	1094.9
35°	1259.5	1264.2	1295.9	1332.3	1357.6	1363.9	1341.8	1348.1	1338.6	1238.9	1218.4
37.5°	1128.2	1140.8	1188.3	1259.5	1327.5	1394.0	1417.7	1449.4	1454.1	1338.6	1289.6
40°	982.6	987.3	1041.1	1093.4	1177.2	1231.0	1291.1	1360.8	1322.8	1197.8	1188.3
42.5°	871.8	892.4	966.8	1006.3	1071.2	1083.9	1053.8	1009.5	941.5	930.4	925.6
45°	852.8	873.4	947.8	1012.7	1044.3	889.2	805.4	746.8	773.7	840.2	832.3
47.5°	941.5	966.8	1044.3	1118.7	1053.8	881.3	825.9	824.4	802.2	916.1	936.7
50°	995.2	1015.8	1106.0	1104.4	1052.2	968.4	998.4	965.2	925.6	1120.2	1235.8
52.5°	1022.1	1041.1	1072.8	1112.3	1117.1	1110.8	1118.7	1091.8	1031.6	1300.6	1387.7
55°	947.8	995.2	1132.9	1200.9	1229.4	1212.0	1216.8	1197.8	1158.2	1413.0	1545.9
57.5°	1186.7	1212.0	1262.7	1280.1	1297.5	1289.6	1295.9	1289.6	1253.2	1496.8	1626.6
60°	1324.4	1324.4	1346.5	1318.0	1327.5	1354.4	1373.4	1373.4	1335.4	1558.5	1659.8
62.5°	1471.5	1458.9	1373.4	1329.1	1340.2	1400.3	1428.8	1425.6	1386.1	1568.0	1667.7
65°	1443.0	1420.9	1390.8	1294.3	1307.0	1390.8	1430.4	1428.8	1387.7	1533.2	1642.4
67.5°	1231.0	1251.6	1288.0	1280.1	1248.4	1344.9	1406.6	1409.8	1362.3	1474.7	1596.5
70°	1066.5	1079.1	1101.3	1167.7	1182.0	1281.6	1379.7	1394.0	1330.7	1406.6	1531.6
72.5°	928.8	936.7	919.3	987.3	1038.0	1169.3	1284.8	1311.7	1246.8	1289.6	1422.5
75°	794.3	776.9	756.3	786.4	825.9	965.2	1106.0	1159.8	1102.8	1129.7	1261.1
77.5°	617.1	591.8	571.2	579.1	615.5	735.8	871.8	957.3	906.6	905.1	1009.5
80°	420.9	398.7	384.5	381.3	408.2	482.6	580.7	682.0	637.7	594.9	640.8
82.5°	262.7	262.7	250.0	231.0	229.4	243.7	262.7	288.0	272.2	265.8	280.1
85°	164.6	166.1	159.8	139.2	134.5	137.7	147.2	153.5	148.7	153.5	158.2
87.5°	115.5	113.9	106.0	102.8	101.3	106.0	113.9	117.1	117.1	121.8	121.8
90°	87.0	87.0	82.3	80.7	80.7	85.4	93.4	99.7	104.4	112.3	112.3
92.5°	72.8	72.8	69.6	68.0	68.0	69.6	75.9	83.9	88.6	96.5	93.4
95°	60.1	60.1	58.5	58.5	58.5	60.1	63.3	68.0	69.6	69.6	69.6
97.5°	47.5	45.9	44.3	44.3	44.3	45.9	47.5	52.2	53.8	49.1	49.1
100°	33.2	31.6	30.1	31.6	31.6	31.6	33.2	34.8	34.8	31.6	30.1
102.5°	20.6	20.6	20.6	20.6	19.0	19.0	19.0	19.0	17.4	15.8	15.8
105°	14.2	14.2	12.7	12.7	12.7	12.7	11.1	11.1	11.1	9.5	9.5
107.5°	11.1	11.1	11.1	11.1	11.1	9.5	9.5	9.5	9.5	7.9	7.9
110°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.9	7.9	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	9.5	9.5	9.5	9.5	9.5	7.9	7.9	7.9	7.9	6.3	6.3
115°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.3	6.3
117.5°	7.9	7.9	7.9	7.9	7.9	7.9	6.3	6.3	6.3	7.9	6.3
120°	7.9	7.9	7.9	7.9	6.3	6.3	6.3	6.3	6.3	6.3	6.3
122.5°	7.9	7.9	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
125°	6.3	6.3	6.3	6.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7
127.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
130°	4.7	4.7	4.7	4.7	4.7	4.7	3.2	3.2	3.2	3.2	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5
2.5°	762.7	765.8	772.1	780.1	786.4	791.1	794.3	797.5	797.5	794.3	797.5
5°	780.1	783.2	794.3	802.2	802.2	797.5	794.3	792.7	795.9	797.5	800.6
7.5°	794.3	797.5	792.7	795.9	799.0	794.3	788.0	783.2	778.5	773.7	776.9
10°	795.9	788.0	788.0	784.8	773.7	775.3	773.7	765.8	759.5	761.1	762.7
12.5°	794.3	791.1	778.5	772.1	767.4	751.6	745.3	750.0	740.5	745.3	738.9
15°	808.5	792.7	780.1	764.2	746.8	738.9	727.8	712.0	705.7	707.3	708.9
17.5°	818.0	802.2	772.1	743.7	734.2	708.9	696.2	688.3	677.2	678.8	685.1
20°	833.9	810.1	767.4	737.3	691.5	674.0	658.2	648.7	639.2	625.0	618.7
22.5°	856.0	825.9	761.1	705.7	666.1	636.1	601.3	577.5	564.9	555.4	553.8
25°	884.5	849.7	762.7	691.5	628.2	583.9	553.8	512.7	482.6	479.4	484.2
27.5°	936.7	876.6	772.1	669.3	596.5	528.5	473.1	444.6	409.8	401.9	401.9
30°	987.3	919.3	765.8	650.3	542.7	466.8	392.4	338.6	319.6	305.4	303.8
32.5°	1080.7	979.4	799.0	621.8	493.7	375.0	292.7	234.2	221.5	216.8	215.2
35°	1166.1	1061.7	802.2	585.4	420.9	291.1	210.4	170.9	163.0	158.2	156.6
37.5°	1257.9	1140.8	833.9	555.4	349.7	205.7	151.9	121.8	112.3	106.0	102.8
40°	1151.9	1045.9	819.6	504.7	259.5	131.3	94.9	66.5	57.0	57.0	57.0
42.5°	901.9	794.3	620.3	408.2	151.9	75.9	47.5	45.9	47.5	49.1	49.1
45°	799.0	658.2	379.7	216.8	63.3	42.7	38.0	36.4	41.1	45.9	47.5
47.5°	939.9	783.2	292.7	151.9	68.0	42.7	34.8	34.8	33.2	30.1	30.1
50°	1270.6	1057.0	335.4	174.1	85.4	47.5	34.8	30.1	30.1	31.6	33.2
52.5°	1433.5	1177.2	395.6	226.3	125.0	64.9	38.0	30.1	26.9	22.2	22.2
55°	1574.4	1272.1	468.4	292.7	183.5	101.3	53.8	31.6	26.9	22.2	20.6
57.5°	1620.2	1283.2	545.9	368.7	250.0	158.2	93.4	44.3	28.5	23.7	22.2
60°	1626.6	1295.9	604.4	449.4	325.9	231.0	153.5	80.7	36.4	28.5	26.9
62.5°	1634.5	1299.0	648.7	507.9	401.9	313.3	221.5	128.2	55.4	33.2	31.6
65°	1606.0	1261.1	637.7	495.3	424.0	346.5	254.7	150.3	63.3	38.0	36.4
67.5°	1558.5	1227.8	591.8	455.7	382.9	302.2	218.4	121.8	58.5	44.3	42.7
70°	1520.6	1194.6	568.0	452.5	354.4	264.2	175.6	88.6	69.6	60.1	57.0
72.5°	1427.2	1115.5	549.0	450.9	354.4	257.9	170.9	94.9	94.9	96.5	90.2
75°	1270.6	996.8	520.6	438.3	346.5	256.3	164.6	102.8	102.8	91.8	87.0
77.5°	1049.0	816.5	460.4	400.3	314.9	226.3	134.5	85.4	82.3	71.2	68.0
80°	694.6	585.4	367.1	330.7	259.5	182.0	99.7	66.5	61.7	52.2	49.1
82.5°	311.7	280.1	232.6	234.2	186.7	129.7	68.0	45.9	42.7	34.8	33.2
85°	170.9	161.4	126.6	110.8	94.9	68.0	39.6	30.1	25.3	19.0	19.0
87.5°	129.7	125.0	93.4	72.8	55.4	39.6	25.3	19.0	14.2	9.5	7.9
90°	118.7	112.3	75.9	58.5	44.3	31.6	20.6	12.7	9.5	6.3	4.7
92.5°	99.7	94.9	61.7	49.1	38.0	28.5	17.4	9.5	6.3	3.2	3.2
95°	72.8	71.2	45.9	38.0	30.1	23.7	14.2	7.9	4.7	3.2	1.6
97.5°	49.1	47.5	33.2	28.5	23.7	17.4	11.1	6.3	3.2	1.6	1.6
100°	30.1	30.1	20.6	19.0	15.8	12.7	7.9	4.7	3.2	1.6	1.6
102.5°	15.8	14.2	11.1	11.1	9.5	7.9	6.3	3.2	1.6	0.0	0.0
105°	9.5	7.9	7.9	6.3	6.3	4.7	4.7	3.2	1.6	0.0	0.0
107.5°	7.9	6.3	6.3	4.7	4.7	3.2	3.2	1.6	1.6	0.0	0.0
110°	6.3	6.3	4.7	4.7	3.2	3.2	3.2	1.6	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.3	4.7	4.7	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0
115°	6.3	4.7	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
117.5°	6.3	4.7	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
120°	6.3	4.7	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
122.5°	6.3	4.7	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
125°	4.7	3.2	3.2	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
127.5°	4.7	3.2	3.2	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
130°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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

(END OF REPORT)