

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: P691239

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691239
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-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 4252 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - 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



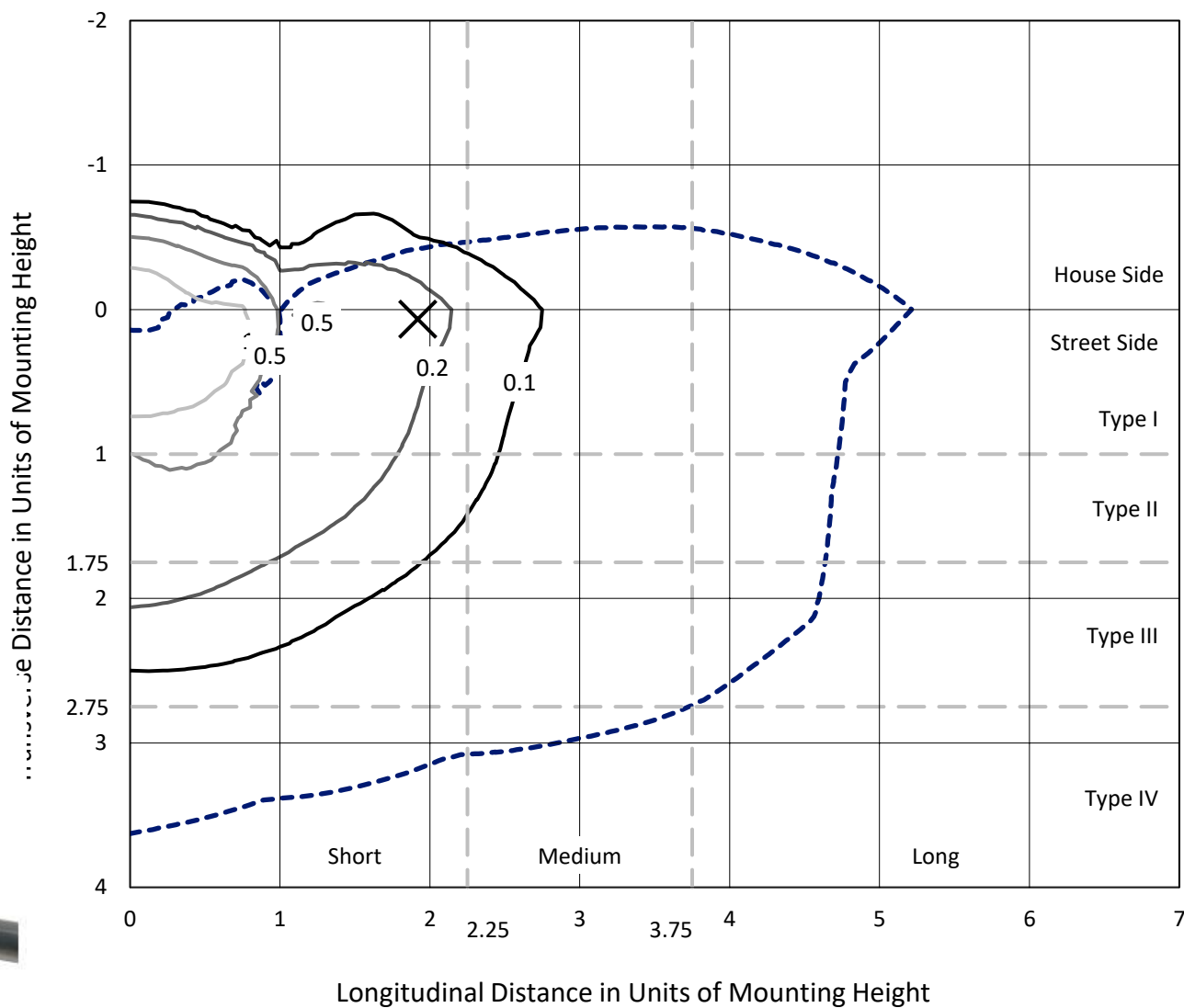
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

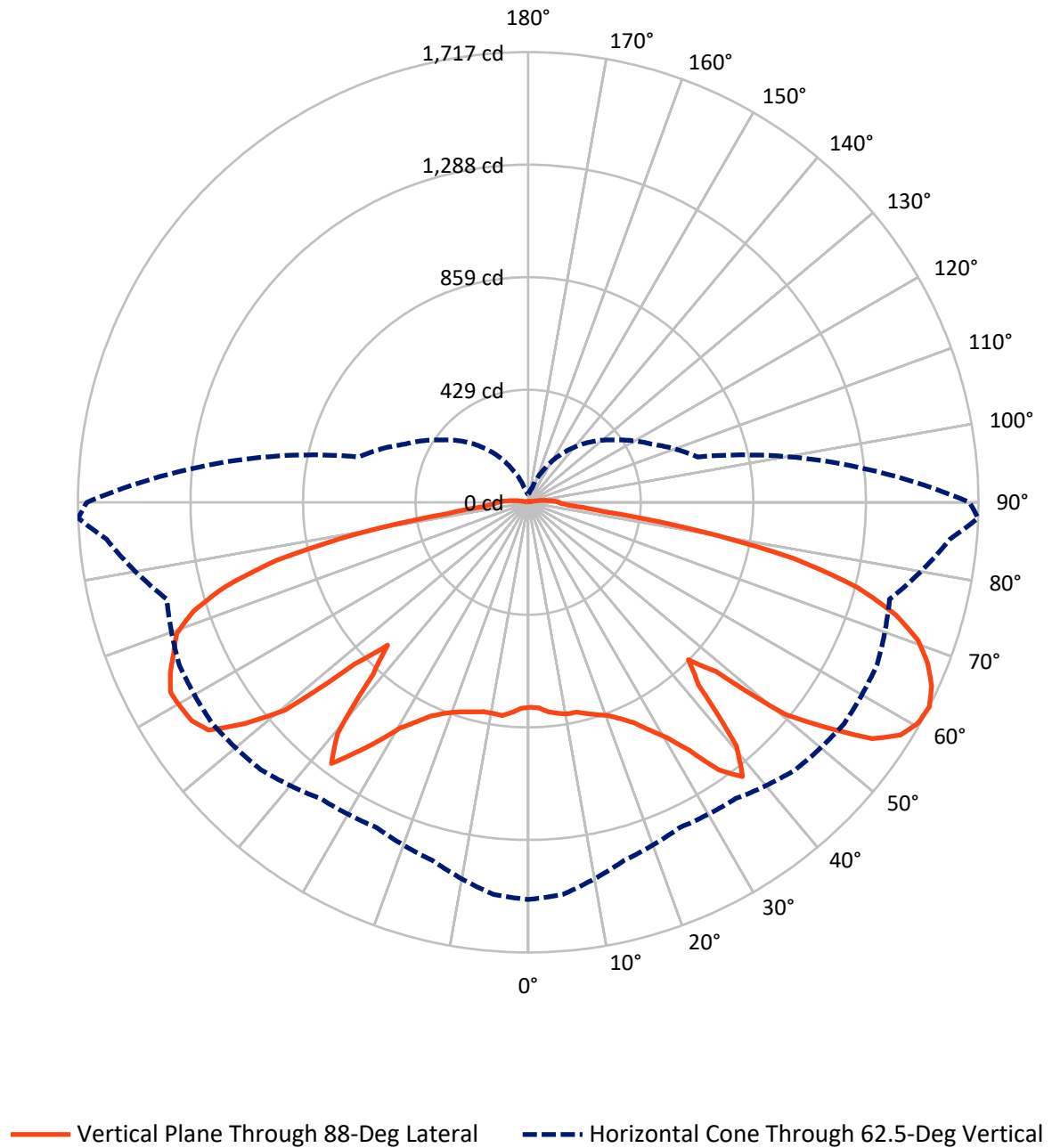


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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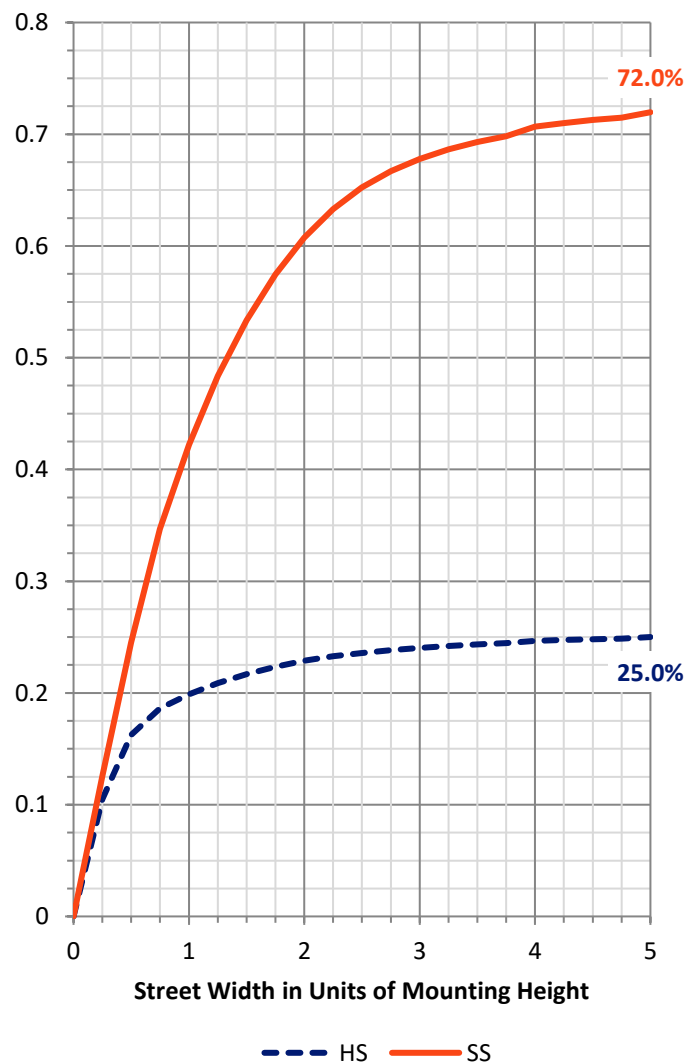
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.7	20.4	1102.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3099.6	50.3	3149.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	4181.4	70.6	4252.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.8
10°-20°	235.3	5.5
20°-30°	398.5	9.4
30°-40°	550.1	12.9
40°-50°	475.8	11.2
50°-60°	688.8	16.2
60°-70°	901.6	21.2
70°-80°	683.6	16.1
80°-90°	170.5	4.0
90°-100°	50.2	1.2
100°-110°	11.6	0.3
110°-120°	5.2	0.1
120°-130°	3.4	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°	4181.4	98.3
0°-180°	4252.0	100.0

Coefficient of Utilization



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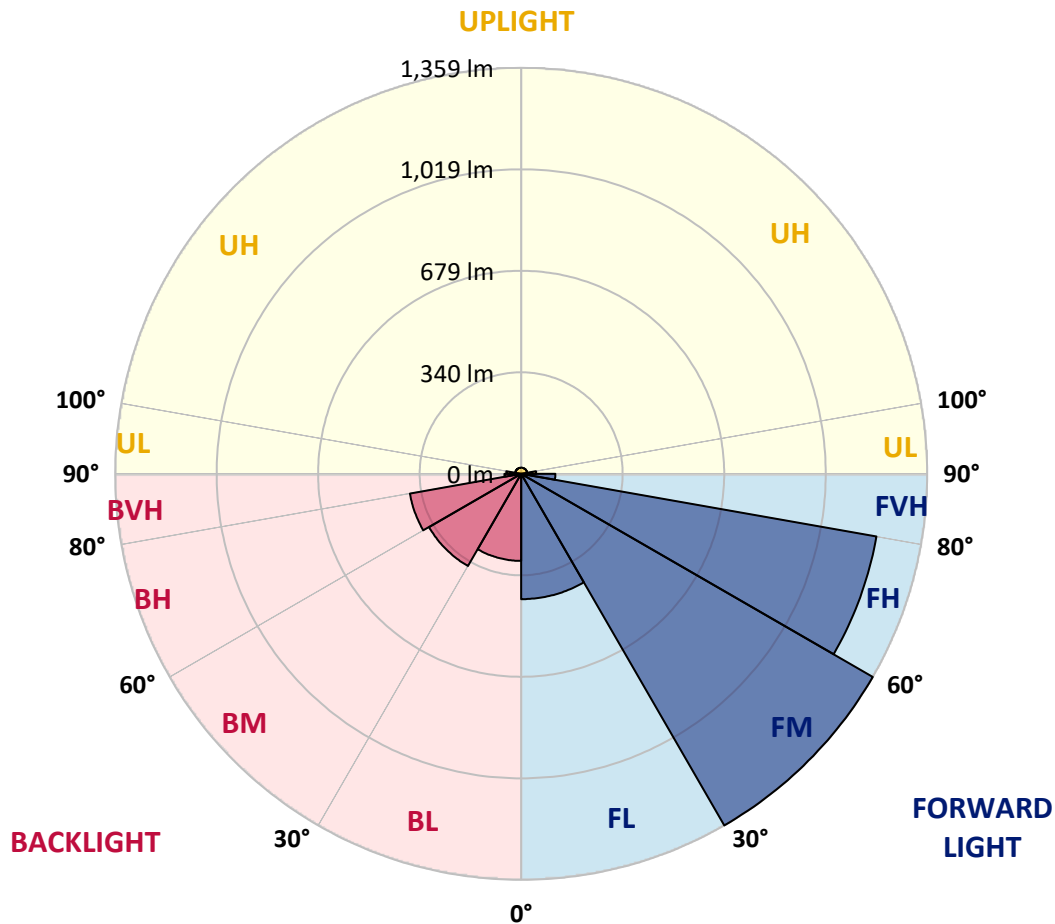
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	419.5	9.9			
FM	(30°-60°)	1358.5	31.9			
FH	(60°-80°)	1207.1	28.4			G1/1800
FVH	(80°-90°)	114.5	2.7			G2/225
BL	(0°-30°)	291.4	6.9	B1/500		
BM	(30°-60°)	356.2	8.4	B1/1000		
BH	(60°-80°)	378.2	8.9	B1/500		G1/500
BVH	(80°-90°)	56.0	1.3			G1/100
UL	(90°-100°)	50.2	1.2		U3/500	
UH	(100°-180°)	20.5	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9
2.5°	773.8	773.8	772.2	773.8	777.0	780.3	777.0	778.7	780.3	783.6	785.2
5°	803.1	801.5	798.2	795.0	791.7	791.7	788.4	786.8	790.1	799.8	803.1
7.5°	827.5	822.7	819.4	821.0	816.1	808.0	801.5	798.2	795.0	808.0	812.9
10°	866.6	863.4	852.0	842.2	835.7	822.7	808.0	806.4	804.7	817.8	821.0
12.5°	905.7	902.5	896.0	886.2	865.0	853.6	830.8	821.0	819.4	827.5	821.0
15°	962.7	956.2	938.3	928.5	907.4	889.4	861.7	847.1	850.3	838.9	835.7
17.5°	995.3	992.1	990.4	975.8	959.5	928.5	902.5	881.3	887.8	861.7	852.0
20°	1031.2	1029.5	1032.8	1034.4	1013.2	985.6	953.0	920.4	922.0	887.8	868.3
22.5°	1076.8	1071.9	1078.4	1086.6	1068.6	1045.8	1003.5	977.4	964.4	918.8	896.0
25°	1130.5	1128.9	1128.9	1143.6	1140.3	1109.4	1068.6	1039.3	1026.3	964.4	930.2
27.5°	1185.9	1187.6	1190.8	1200.6	1205.5	1187.6	1148.5	1122.4	1098.0	1016.5	982.3
30°	1221.8	1221.8	1244.6	1259.2	1265.7	1265.7	1218.5	1199.0	1174.5	1083.3	1040.9
32.5°	1265.7	1269.0	1290.2	1314.6	1324.4	1337.4	1298.3	1283.7	1262.5	1166.4	1127.3
35°	1296.7	1301.6	1334.2	1371.6	1397.7	1404.2	1381.4	1387.9	1378.1	1275.5	1254.3
37.5°	1161.5	1174.5	1223.4	1296.7	1366.7	1435.2	1459.6	1492.2	1497.1	1378.1	1327.6
40°	1011.6	1016.5	1071.9	1125.6	1212.0	1267.4	1329.3	1401.0	1361.9	1233.2	1223.4
42.5°	897.6	918.8	995.3	1036.1	1102.8	1115.9	1084.9	1039.3	969.3	957.9	953.0
45°	878.0	899.2	975.8	1042.6	1075.1	915.5	829.2	768.9	796.6	865.0	856.9
47.5°	969.3	995.3	1075.1	1151.7	1084.9	907.4	850.3	848.7	825.9	943.2	964.4
50°	1024.6	1045.8	1138.7	1137.1	1083.3	997.0	1027.9	993.7	953.0	1153.3	1272.3
52.5°	1052.3	1071.9	1104.5	1145.2	1150.1	1143.6	1151.7	1124.0	1062.1	1339.0	1428.6
55°	975.8	1024.6	1166.4	1236.4	1265.7	1247.8	1252.7	1233.2	1192.4	1454.7	1591.5
57.5°	1221.8	1247.8	1300.0	1317.9	1335.8	1327.6	1334.2	1327.6	1290.2	1541.0	1674.6
60°	1363.5	1363.5	1386.3	1357.0	1366.7	1394.4	1414.0	1414.0	1374.9	1604.6	1708.8
62.5°	1515.0	1502.0	1414.0	1368.4	1379.8	1441.7	1471.0	1467.7	1427.0	1614.4	1717.0
65°	1485.7	1462.9	1431.9	1332.5	1345.6	1431.9	1472.6	1471.0	1428.6	1578.5	1690.9
67.5°	1267.4	1288.5	1326.0	1317.9	1285.3	1384.7	1448.2	1451.5	1402.6	1518.2	1643.7
70°	1098.0	1111.0	1133.8	1202.2	1216.9	1319.5	1420.5	1435.2	1370.0	1448.2	1576.9
72.5°	956.2	964.4	946.5	1016.5	1068.6	1203.8	1322.8	1350.5	1283.7	1327.6	1464.5
75°	817.8	799.8	778.7	809.6	850.3	993.7	1138.7	1194.1	1135.4	1163.1	1298.3
77.5°	635.3	609.3	588.1	596.2	633.7	757.5	897.6	985.6	933.4	931.8	1039.3
80°	433.3	410.5	395.9	392.6	420.3	496.8	597.8	702.1	656.5	612.5	659.8
82.5°	270.4	270.4	257.4	237.8	236.2	250.9	270.4	296.5	280.2	273.7	288.3
85°	169.4	171.0	164.5	143.4	138.5	141.7	151.5	158.0	153.1	158.0	162.9
87.5°	118.9	117.3	109.1	105.9	104.3	109.1	117.3	120.5	120.5	125.4	125.4
90°	89.6	89.6	84.7	83.1	83.1	88.0	96.1	102.6	107.5	115.7	115.7
92.5°	74.9	74.9	71.7	70.0	70.0	71.7	78.2	86.3	91.2	99.4	96.1
95°	61.9	61.9	60.3	60.3	60.3	61.9	65.2	70.0	71.7	71.7	71.7
97.5°	48.9	47.2	45.6	45.6	45.6	47.2	48.9	53.8	55.4	50.5	50.5
100°	34.2	32.6	31.0	32.6	32.6	32.6	34.2	35.8	35.8	32.6	31.0
102.5°	21.2	21.2	21.2	21.2	19.5	19.5	19.5	19.5	17.9	16.3	16.3
105°	14.7	14.7	13.0	13.0	13.0	13.0	11.4	11.4	11.4	9.8	9.8
107.5°	11.4	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8	8.1	8.1
110°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.1	8.1	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	9.8	9.8	9.8	9.8	9.8	8.1	8.1	8.1	8.1	6.5	6.5
115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.5	6.5
117.5°	8.1	8.1	8.1	8.1	8.1	8.1	6.5	6.5	6.5	8.1	6.5
120°	8.1	8.1	8.1	8.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5
122.5°	8.1	8.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
125°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
127.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
130°	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3
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°	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9
2.5°	785.2	788.4	795.0	803.1	809.6	814.5	817.8	821.0	821.0	817.8	821.0
5°	803.1	806.4	817.8	825.9	825.9	821.0	817.8	816.1	819.4	821.0	824.3
7.5°	817.8	821.0	816.1	819.4	822.7	817.8	811.2	806.4	801.5	796.6	799.8
10°	819.4	811.2	811.2	808.0	796.6	798.2	796.6	788.4	781.9	783.6	785.2
12.5°	817.8	814.5	801.5	795.0	790.1	773.8	767.3	772.2	762.4	767.3	760.7
15°	832.4	816.1	803.1	786.8	768.9	760.7	749.3	733.1	726.5	728.2	729.8
17.5°	842.2	825.9	795.0	765.6	755.9	729.8	716.8	708.6	697.2	698.8	705.4
20°	858.5	834.1	790.1	759.1	711.9	694.0	677.7	667.9	658.1	643.5	636.9
22.5°	881.3	850.3	783.6	726.5	685.8	654.9	619.0	594.6	581.6	571.8	570.2
25°	910.6	874.8	785.2	711.9	646.7	601.1	570.2	527.8	496.8	493.6	498.5
27.5°	964.4	902.5	795.0	689.1	614.1	544.1	487.1	457.8	421.9	413.8	413.8
30°	1016.5	946.5	788.4	669.5	558.8	480.6	404.0	348.6	329.1	314.4	312.8
32.5°	1112.6	1008.4	822.7	640.2	508.3	386.1	301.4	241.1	228.1	223.2	221.5
35°	1200.6	1093.1	825.9	602.7	433.3	299.7	216.7	175.9	167.8	162.9	161.3
37.5°	1295.1	1174.5	858.5	571.8	360.0	211.8	156.4	125.4	115.7	109.1	105.9
40°	1185.9	1076.8	843.8	519.7	267.2	135.2	97.7	68.4	58.6	58.6	58.6
42.5°	928.5	817.8	638.6	420.3	156.4	78.2	48.9	47.2	48.9	50.5	50.5
45°	822.7	677.7	391.0	223.2	65.2	44.0	39.1	37.5	42.4	47.2	48.9
47.5°	967.6	806.4	301.4	156.4	70.0	44.0	35.8	35.8	34.2	31.0	31.0
50°	1308.1	1088.2	345.4	179.2	88.0	48.9	35.8	31.0	31.0	32.6	34.2
52.5°	1475.9	1212.0	407.3	232.9	128.7	66.8	39.1	31.0	27.7	22.8	22.8
55°	1620.9	1309.7	482.2	301.4	189.0	104.3	55.4	32.6	27.7	22.8	21.2
57.5°	1668.1	1321.1	562.0	379.6	257.4	162.9	96.1	45.6	29.3	24.4	22.8
60°	1674.6	1334.2	622.3	462.6	335.6	237.8	158.0	83.1	37.5	29.3	27.7
62.5°	1682.8	1337.4	667.9	522.9	413.8	322.5	228.1	132.0	57.0	34.2	32.6
65°	1653.4	1298.3	656.5	509.9	436.6	356.8	262.3	154.8	65.2	39.1	37.5
67.5°	1604.6	1264.1	609.3	469.2	394.2	311.1	224.8	125.4	60.3	45.6	44.0
70°	1565.5	1229.9	584.8	465.9	364.9	272.0	180.8	91.2	71.7	61.9	58.6
72.5°	1469.4	1148.5	565.3	464.3	364.9	265.5	175.9	97.7	97.7	99.4	92.9
75°	1308.1	1026.3	535.9	451.2	356.8	263.9	169.4	105.9	105.9	94.5	89.6
77.5°	1080.0	840.6	474.0	412.1	324.2	232.9	138.5	88.0	84.7	73.3	70.0
80°	715.1	602.7	377.9	340.5	267.2	187.3	102.6	68.4	63.5	53.8	50.5
82.5°	320.9	288.3	239.5	241.1	192.2	133.6	70.0	47.2	44.0	35.8	34.2
85°	175.9	166.2	130.3	114.0	97.7	70.0	40.7	31.0	26.1	19.5	19.5
87.5°	133.6	128.7	96.1	74.9	57.0	40.7	26.1	19.5	14.7	9.8	8.1
90°	122.2	115.7	78.2	60.3	45.6	32.6	21.2	13.0	9.8	6.5	4.9
92.5°	102.6	97.7	63.5	50.5	39.1	29.3	17.9	9.8	6.5	3.3	3.3
95°	74.9	73.3	47.2	39.1	31.0	24.4	14.7	8.1	4.9	3.3	1.6
97.5°	50.5	48.9	34.2	29.3	24.4	17.9	11.4	6.5	3.3	1.6	1.6
100°	31.0	31.0	21.2	19.5	16.3	13.0	8.1	4.9	3.3	1.6	1.6
102.5°	16.3	14.7	11.4	11.4	9.8	8.1	6.5	3.3	1.6	0.0	0.0
105°	9.8	8.1	8.1	6.5	6.5	4.9	4.9	3.3	1.6	0.0	0.0
107.5°	8.1	6.5	6.5	4.9	4.9	3.3	3.3	1.6	1.6	0.0	0.0
110°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	1.6	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0
115°	6.5	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
117.5°	6.5	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
120°	6.5	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
122.5°	6.5	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
125°	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
127.5°	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
130°	3.3	3.3	3.3	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)