

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: P691248

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-5TLD-U-T3-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

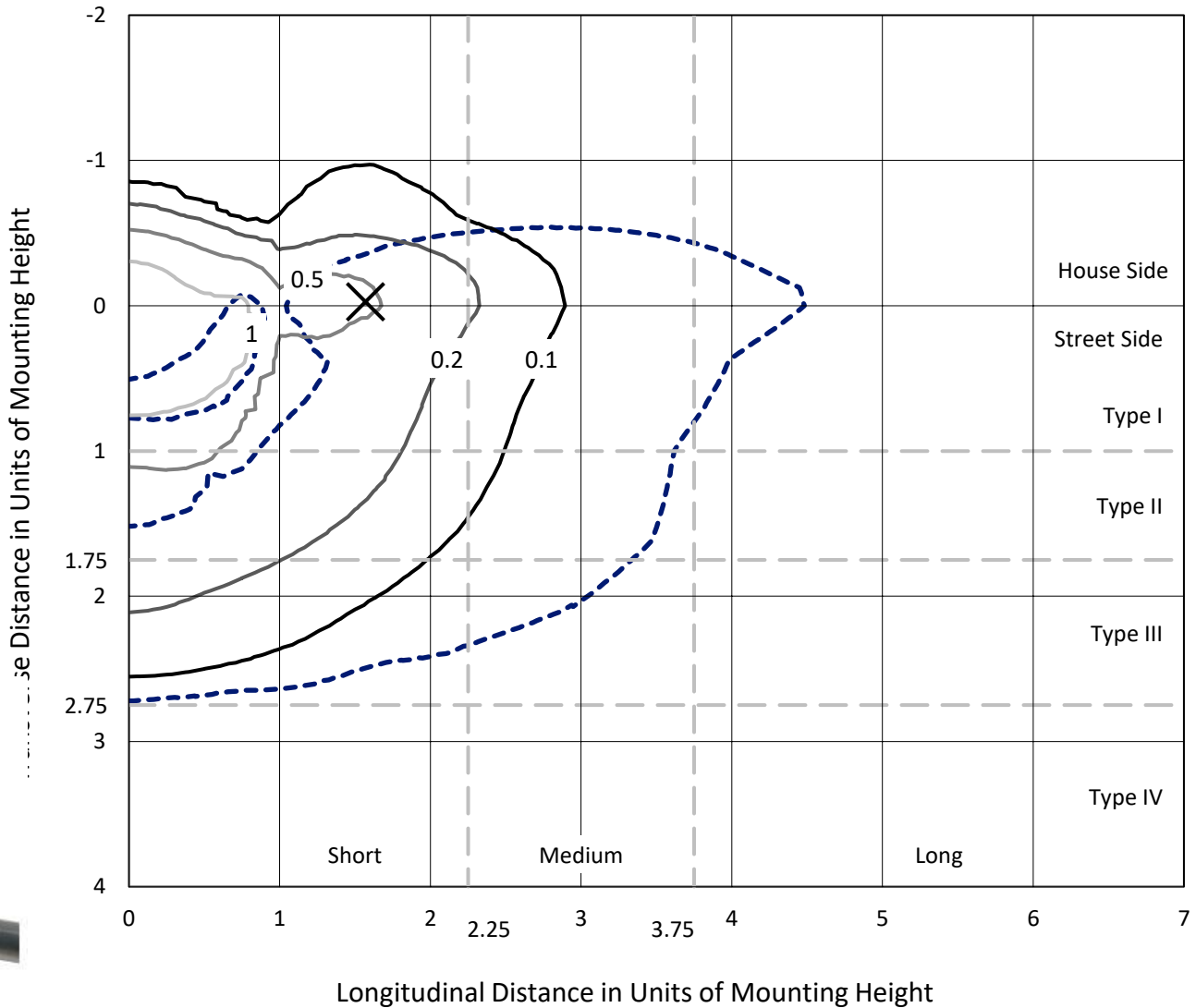
Lumens per Lamp: N/A  
Luminaire Lumens: 4977 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 32.7  
Input Voltage (V): NR  
Input Current (Ain): 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

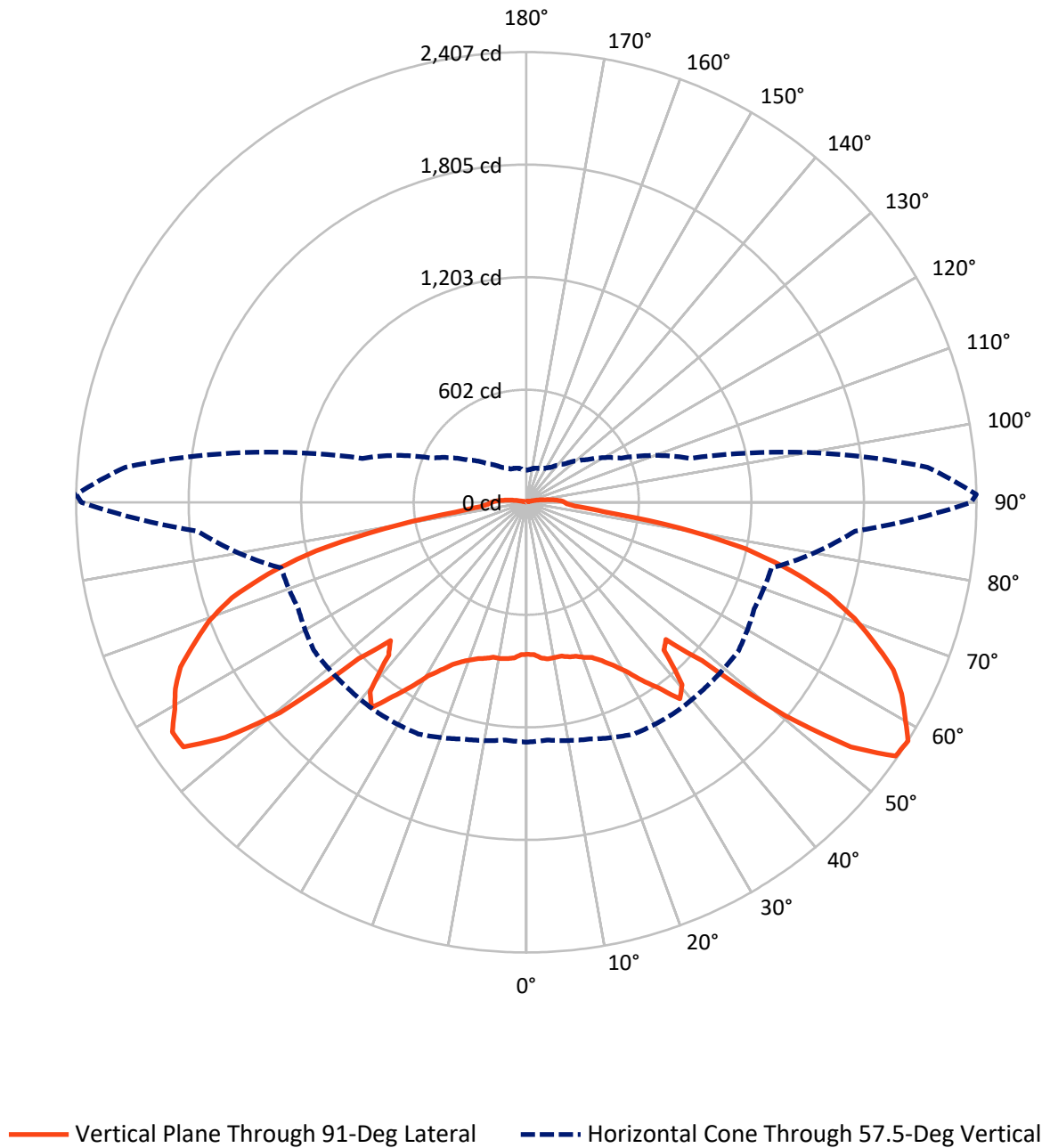
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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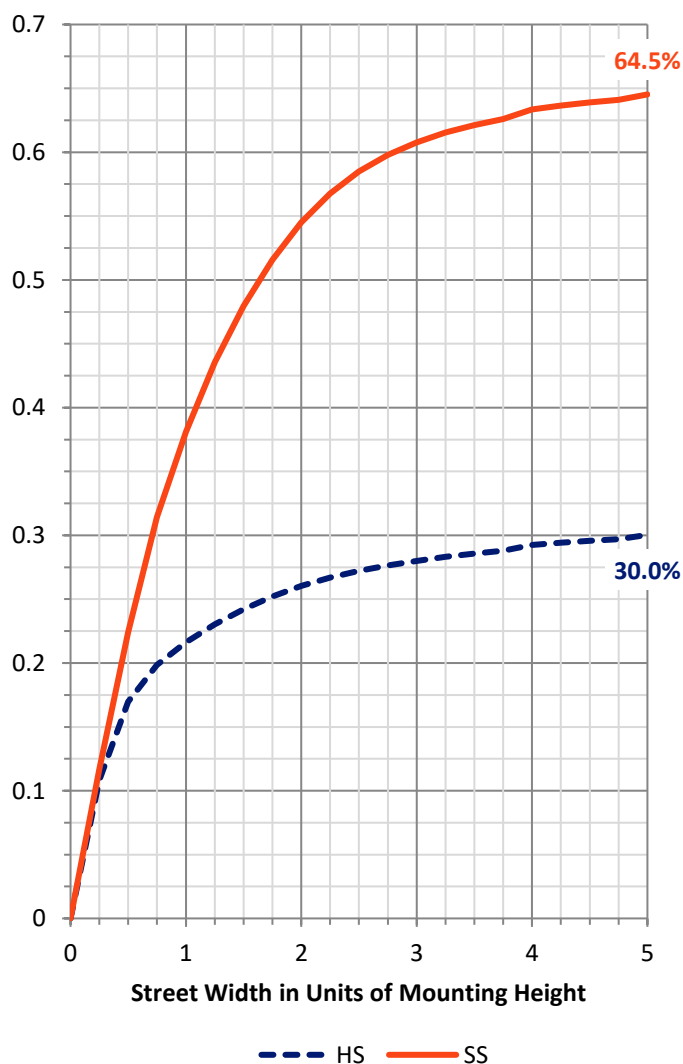
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1579.8	76.8	1656.6
	% Fixture	31.7	1.5	33.3
<b>Street Side</b>	Lumens	3254.6	65.7	3320.4
	% Fixture	65.4	1.3	66.7
<b>Total</b>	Lumens	4834.4	142.5	4977.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.5	1.6
10°-20°	241.9	4.9
20°-30°	411.2	8.3
30°-40°	578.7	11.6
40°-50°	549.5	11.0
50°-60°	823.1	16.5
60°-70°	1065.2	21.4
70°-80°	806.1	16.2
80°-90°	279.2	5.6
90°-100°	104.8	2.1
100°-110°	24.6	0.5
110°-120°	8.4	0.2
120°-130°	4.3	0.1
130°-140°	0.4	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°	4834.4	97.1
0°-180°	4977.0	100.0

**Coefficient of Utilization**



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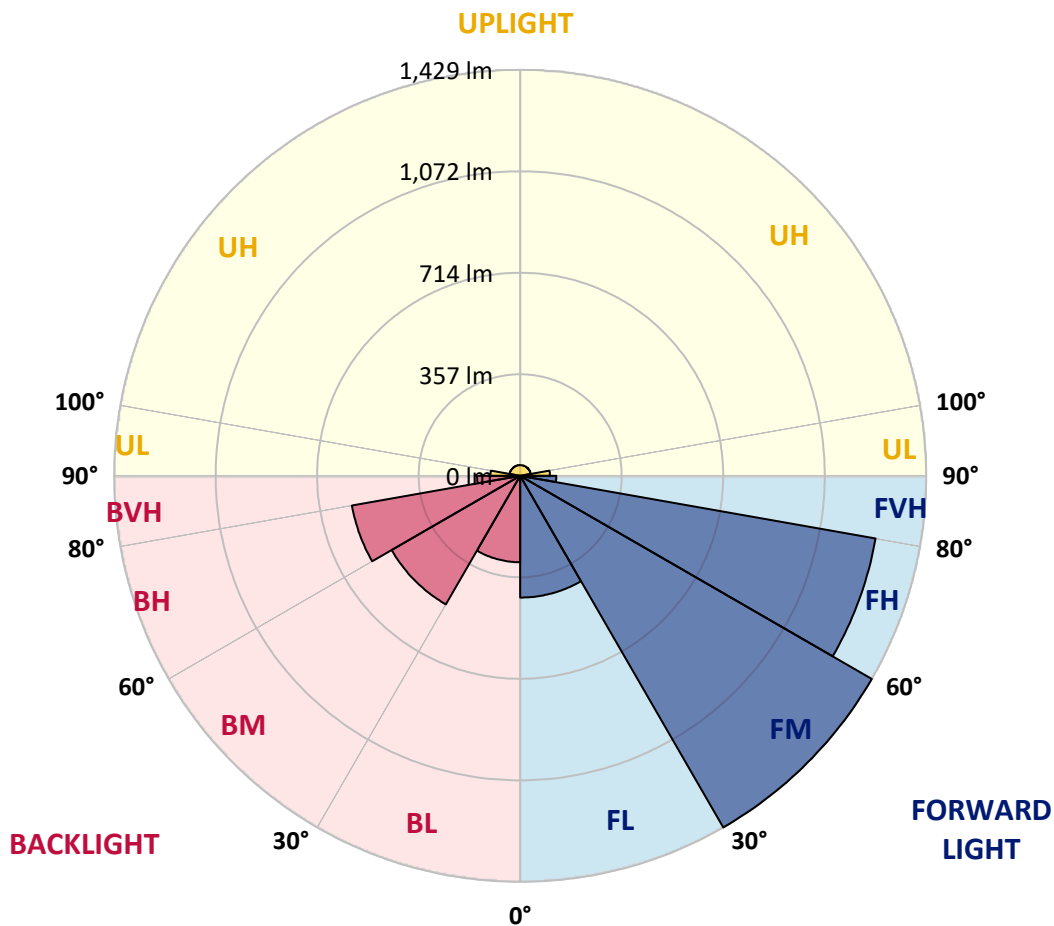
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050-SR-CARETAKER

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.5	8.6			
FM (30°-60°)	1428.8	28.7			
FH (60°-80°)	1270.0	25.5			G1/1800
FVH (80°-90°)	127.3	2.6			G2/225
BL (0°-30°)	304.1	6.1	B1/500		
BM (30°-60°)	522.5	10.5	B1/1000		
BH (60°-80°)	601.3	12.1	B2/1000		G2/1000
BVH (80°-90°)	151.9	3.1			G2/225
UL (90°-100°)	104.8	2.1		U3/500	
UH (100°-180°)	37.7	0.8		U2/50	

**BUG Rating: B2-U3-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6
2.5°	797.8	797.8	797.8	799.4	804.4	807.6	809.3	807.6	809.3	812.6	815.9
5°	820.8	819.2	817.5	814.2	812.6	812.6	814.2	814.2	817.5	829.1	835.7
7.5°	842.3	839.0	837.3	837.3	835.7	827.4	825.8	820.8	819.2	834.0	843.9
10°	881.8	878.5	868.6	857.1	853.8	843.9	829.1	825.8	827.4	843.9	847.2
12.5°	918.1	916.4	909.8	898.3	881.8	871.9	850.5	840.6	842.3	852.2	845.6
15°	979.1	972.5	952.7	942.8	926.3	908.2	880.2	868.6	871.9	863.7	860.4
17.5°	1015.3	1010.4	1010.4	992.3	980.7	949.4	923.0	901.6	909.8	888.4	870.3
20°	1048.3	1048.3	1049.9	1053.2	1031.8	1007.1	970.8	944.5	946.1	914.8	888.4
22.5°	1099.4	1094.4	1099.4	1104.3	1089.5	1068.1	1023.6	997.2	985.7	946.1	911.5
25°	1152.1	1148.8	1148.8	1162.0	1167.0	1134.0	1092.8	1064.8	1048.3	990.6	944.5
27.5°	1204.9	1206.5	1211.5	1216.4	1224.7	1208.2	1167.0	1145.5	1124.1	1043.3	997.2
30°	1247.7	1244.4	1265.9	1277.4	1285.6	1292.2	1246.1	1223.0	1199.9	1110.9	1056.5
32.5°	1295.5	1295.5	1315.3	1336.7	1348.3	1361.5	1323.6	1308.7	1284.0	1191.7	1155.4
35°	1335.1	1335.1	1364.8	1401.0	1422.4	1432.3	1412.6	1410.9	1406.0	1302.1	1249.4
37.5°	1201.6	1218.1	1264.2	1336.7	1419.2	1485.1	1490.0	1523.0	1539.5	1427.4	1359.8
40°	1048.3	1053.2	1107.6	1171.9	1249.4	1331.8	1410.9	1508.2	1496.6	1361.5	1302.1
42.5°	944.5	957.6	1026.9	1076.3	1127.4	1178.5	1178.5	1175.2	1092.8	1117.5	1094.4
45°	934.6	937.9	995.5	1069.7	1089.5	1018.6	919.7	865.3	871.9	992.3	1046.6
47.5°	1036.8	1041.7	1101.0	1171.9	1101.0	975.8	878.5	870.3	865.3	1078.0	1262.6
50°	1091.1	1094.4	1150.5	1186.7	1076.3	1074.7	1076.3	1046.6	1020.3	1414.2	1811.4
52.5°	1124.1	1127.4	1124.1	1170.3	1132.4	1219.7	1190.0	1140.6	1120.8	1638.4	2139.4
55°	1036.8	1058.2	1147.2	1269.2	1272.5	1302.1	1290.6	1246.1	1244.4	1722.4	2385.0
57.5°	1282.3	1275.8	1310.4	1366.4	1376.3	1377.9	1384.5	1345.0	1356.5	1765.3	2378.4
60°	1452.1	1434.0	1397.7	1424.1	1435.6	1453.8	1476.8	1432.3	1445.5	1803.2	2274.6
62.5°	1612.0	1584.0	1443.9	1438.9	1457.1	1493.3	1526.3	1491.7	1503.2	1816.4	2202.1
65°	1588.9	1564.2	1458.7	1401.0	1427.4	1476.8	1523.0	1506.5	1503.2	1788.4	2113.1
67.5°	1369.7	1371.4	1359.8	1359.8	1349.9	1420.8	1495.0	1496.6	1480.1	1717.5	1979.6
70°	1176.9	1170.3	1188.4	1257.6	1267.5	1351.6	1450.5	1467.0	1445.5	1638.4	1851.0
72.5°	1002.1	997.2	1000.5	1058.2	1140.6	1232.9	1345.0	1384.5	1353.2	1496.6	1694.4
75°	829.1	824.1	822.5	842.3	908.2	1023.6	1152.1	1223.0	1196.6	1290.6	1465.3
77.5°	629.6	619.7	619.7	626.3	675.8	779.6	903.2	1002.1	989.0	1040.1	1181.8
80°	418.7	420.3	417.0	415.4	448.3	509.3	600.0	718.6	712.0	712.0	784.6
82.5°	265.4	265.4	270.3	253.8	250.5	257.1	278.6	326.4	329.7	361.0	385.7
85°	169.8	171.4	171.4	154.9	150.0	154.9	169.8	184.6	191.2	222.5	250.5
87.5°	123.6	123.6	120.3	117.0	118.7	123.6	135.2	148.3	159.9	184.6	209.3
90°	94.0	94.0	92.3	90.7	94.0	100.5	115.4	130.2	145.0	173.1	196.1
92.5°	77.5	77.5	75.8	75.8	77.5	82.4	95.6	112.1	126.9	150.0	171.4
95°	64.3	65.9	64.3	65.9	67.6	70.9	79.1	92.3	102.2	117.0	131.9
97.5°	51.1	52.7	52.7	52.7	54.4	59.3	64.3	72.5	79.1	85.7	95.6
100°	37.9	39.6	39.6	39.6	41.2	46.2	51.1	54.4	56.0	57.7	62.6
102.5°	28.0	29.7	29.7	29.7	29.7	33.0	34.6	36.3	36.3	36.3	37.9
105°	19.8	19.8	19.8	19.8	19.8	19.8	21.4	21.4	21.4	21.4	21.4
107.5°	14.8	14.8	14.8	14.8	14.8	14.8	16.5	16.5	16.5	16.5	16.5
110°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	14.8	13.2	13.2	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.5	11.5	11.5	11.5	11.5	11.5	13.2	13.2	11.5	11.5	11.5
115°	9.9	9.9	9.9	9.9	9.9	9.9	11.5	11.5	9.9	9.9	9.9
117.5°	8.2	8.2	8.2	8.2	8.2	8.2	9.9	9.9	8.2	9.9	9.9
120°	8.2	9.9	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.9
122.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.2	8.2
125°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
127.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.6	6.6
130°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6	812.6
2.5°	815.9	819.2	825.8	832.4	839.0	845.6	848.9	850.5	852.2	848.9	850.5
5°	835.7	839.0	848.9	858.7	857.1	852.2	845.6	845.6	847.2	847.2	850.5
7.5°	845.6	850.5	847.2	848.9	852.2	847.2	840.6	832.4	822.5	822.5	824.1
10°	843.9	839.0	843.9	839.0	827.4	825.8	822.5	810.9	804.4	806.0	806.0
12.5°	843.9	842.3	832.4	827.4	817.5	799.4	791.2	794.5	786.2	787.9	784.6
15°	857.1	845.6	832.4	815.9	794.5	784.6	773.0	754.9	753.3	753.3	753.3
17.5°	865.3	857.1	827.4	794.5	779.6	754.9	741.7	736.8	723.6	728.5	731.8
20°	885.1	865.3	822.5	787.9	736.8	721.9	700.5	695.6	689.0	669.2	662.6
22.5°	901.6	883.5	817.5	756.6	713.7	679.1	646.1	623.0	611.5	603.3	596.7
25°	937.9	909.8	822.5	741.7	675.8	631.3	601.6	560.4	532.4	529.1	532.4
27.5°	985.7	941.2	834.0	721.9	646.1	576.9	517.6	489.5	459.9	450.0	451.6
30°	1046.6	987.3	832.4	703.8	593.4	514.3	438.4	390.6	367.6	357.7	356.0
32.5°	1134.0	1051.6	870.3	680.7	545.6	426.9	344.5	285.1	273.6	272.0	270.3
35°	1219.7	1155.4	888.4	646.1	476.3	342.8	260.4	224.2	222.5	220.9	219.2
37.5°	1333.4	1257.6	939.5	624.7	410.4	258.8	209.3	183.0	178.0	169.8	173.1
40°	1282.3	1219.7	954.3	591.7	318.1	191.2	156.6	135.2	131.9	133.5	131.9
42.5°	1079.6	1033.5	832.4	509.3	219.2	140.1	117.0	120.3	126.9	131.9	131.9
45°	1046.6	956.0	600.0	361.0	141.8	117.0	113.7	118.7	130.2	141.8	143.4
47.5°	1264.2	1148.8	525.8	278.6	163.2	133.5	122.0	122.0	128.6	130.2	128.6
50°	1791.7	1616.9	614.8	319.8	202.7	161.5	140.1	131.9	135.2	138.5	136.8
52.5°	2172.4	1953.2	700.5	382.4	253.8	192.8	164.8	145.0	141.8	141.8	140.1
55°	2394.9	2146.0	801.1	471.4	318.1	232.4	191.2	168.1	159.9	153.3	153.3
57.5°	2406.5	2152.6	906.5	558.8	397.2	290.1	227.5	196.1	189.5	174.7	171.4
60°	2325.7	2124.6	987.3	646.1	473.1	370.9	290.1	243.9	235.7	227.5	222.5
62.5°	2251.5	2078.5	1026.9	718.6	553.8	461.5	369.2	304.9	278.6	288.4	295.0
65°	2155.9	2027.4	1000.5	725.2	590.1	515.9	426.9	332.9	288.4	309.9	321.4
67.5°	2009.2	1893.9	934.6	665.9	550.5	482.9	400.5	313.2	278.6	286.8	286.8
70°	1860.9	1737.3	870.3	619.7	496.1	425.3	347.8	280.2	275.3	270.3	270.3
72.5°	1686.2	1539.5	786.2	591.7	474.7	413.7	337.9	281.9	295.0	301.6	301.6
75°	1465.3	1302.1	697.2	567.0	464.8	422.0	339.5	303.3	326.4	329.7	329.7
77.5°	1199.9	1021.9	593.4	522.5	436.8	405.5	316.5	298.3	321.4	326.4	328.0
80°	825.8	723.6	497.8	454.9	390.6	364.3	291.7	290.1	313.2	324.7	326.4
82.5°	418.7	412.1	362.6	357.7	332.9	318.1	270.3	281.9	306.6	323.1	324.7
85°	258.8	268.7	242.3	239.0	247.2	253.8	245.6	268.7	286.8	304.9	308.2
87.5°	215.9	227.5	202.7	192.8	196.1	207.7	217.6	242.3	258.8	273.6	275.3
90°	202.7	212.6	173.1	164.8	171.4	179.7	186.3	199.4	212.6	220.9	220.9
92.5°	178.0	181.3	143.4	136.8	146.7	151.6	150.0	153.3	153.3	136.8	136.8
95°	136.8	136.8	108.8	108.8	117.0	118.7	107.1	97.2	90.7	54.4	46.2
97.5°	98.9	97.2	79.1	79.1	85.7	84.1	70.9	59.3	49.4	31.3	33.0
100°	65.9	64.3	52.7	56.0	59.3	52.7	44.5	36.3	29.7	19.8	23.1
102.5°	39.6	37.9	34.6	36.3	34.6	33.0	26.4	21.4	18.1	11.5	13.2
105°	23.1	21.4	21.4	21.4	21.4	19.8	18.1	13.2	9.9	6.6	6.6
107.5°	16.5	16.5	16.5	14.8	14.8	13.2	11.5	9.9	6.6	4.9	3.3
110°	14.8	13.2	13.2	13.2	11.5	11.5	9.9	8.2	4.9	3.3	3.3



REPORT NUMBER: P691248  
 CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	11.5	11.5	9.9	9.9	8.2	6.6	6.6	4.9	1.6	1.6
115°	9.9	9.9	8.2	8.2	6.6	6.6	4.9	4.9	3.3	1.6	1.6
117.5°	9.9	9.9	6.6	6.6	4.9	4.9	4.9	3.3	1.6	1.6	1.6
120°	9.9	8.2	6.6	4.9	4.9	4.9	3.3	3.3	1.6	0.0	1.6
122.5°	8.2	8.2	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0
125°	6.6	6.6	4.9	3.3	3.3	3.3	3.3	1.6	1.6	0.0	0.0
127.5°	6.6	6.6	4.9	3.3	3.3	3.3	3.3	1.6	1.6	0.0	0.0
130°	4.9	4.9	3.3	3.3	3.3	3.3	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)