

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: P691432

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691432  
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-C016-5TLD-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**

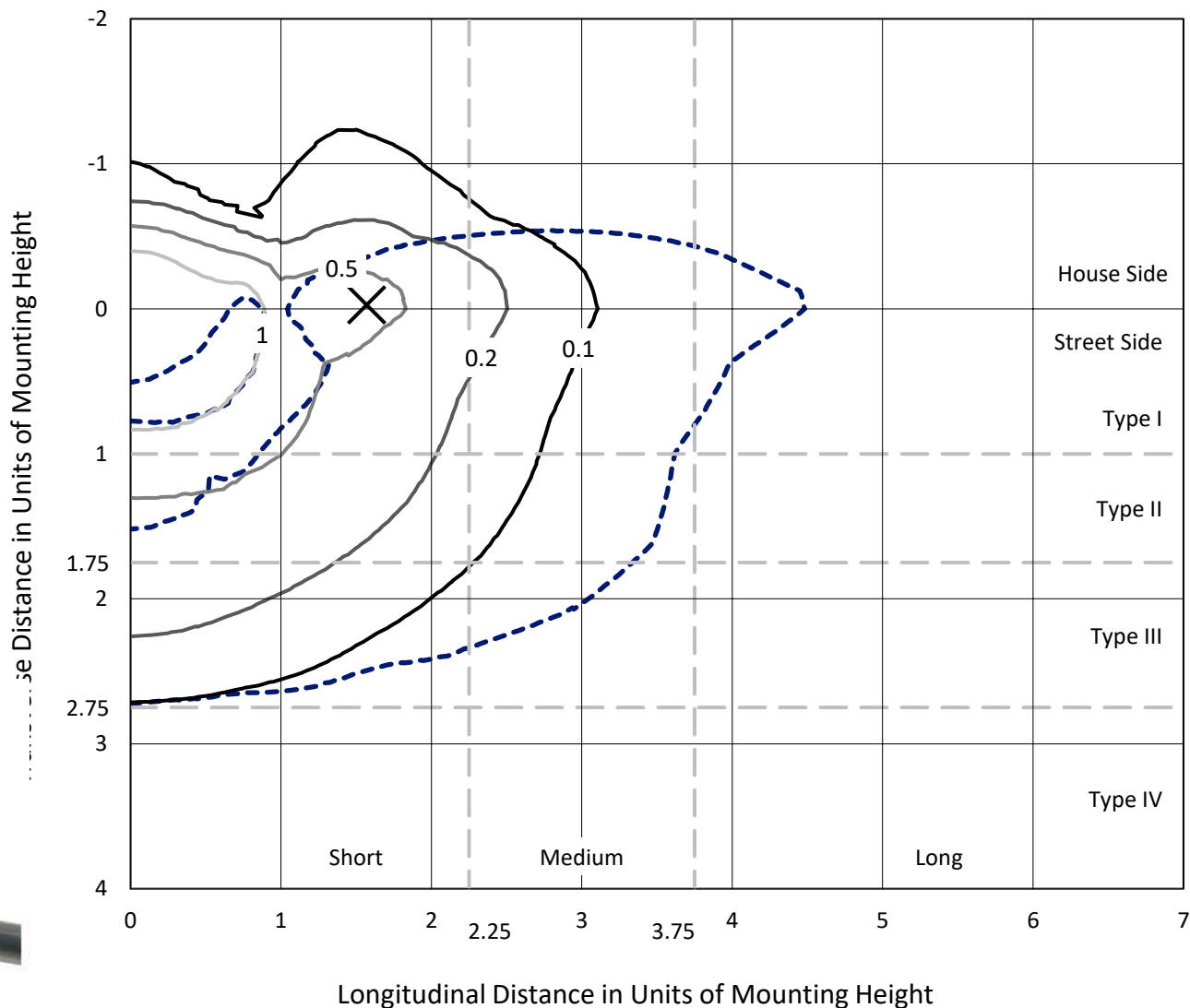
Lumens per Lamp: N/A  
Luminaire Lumens: 6284 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (Ain): 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

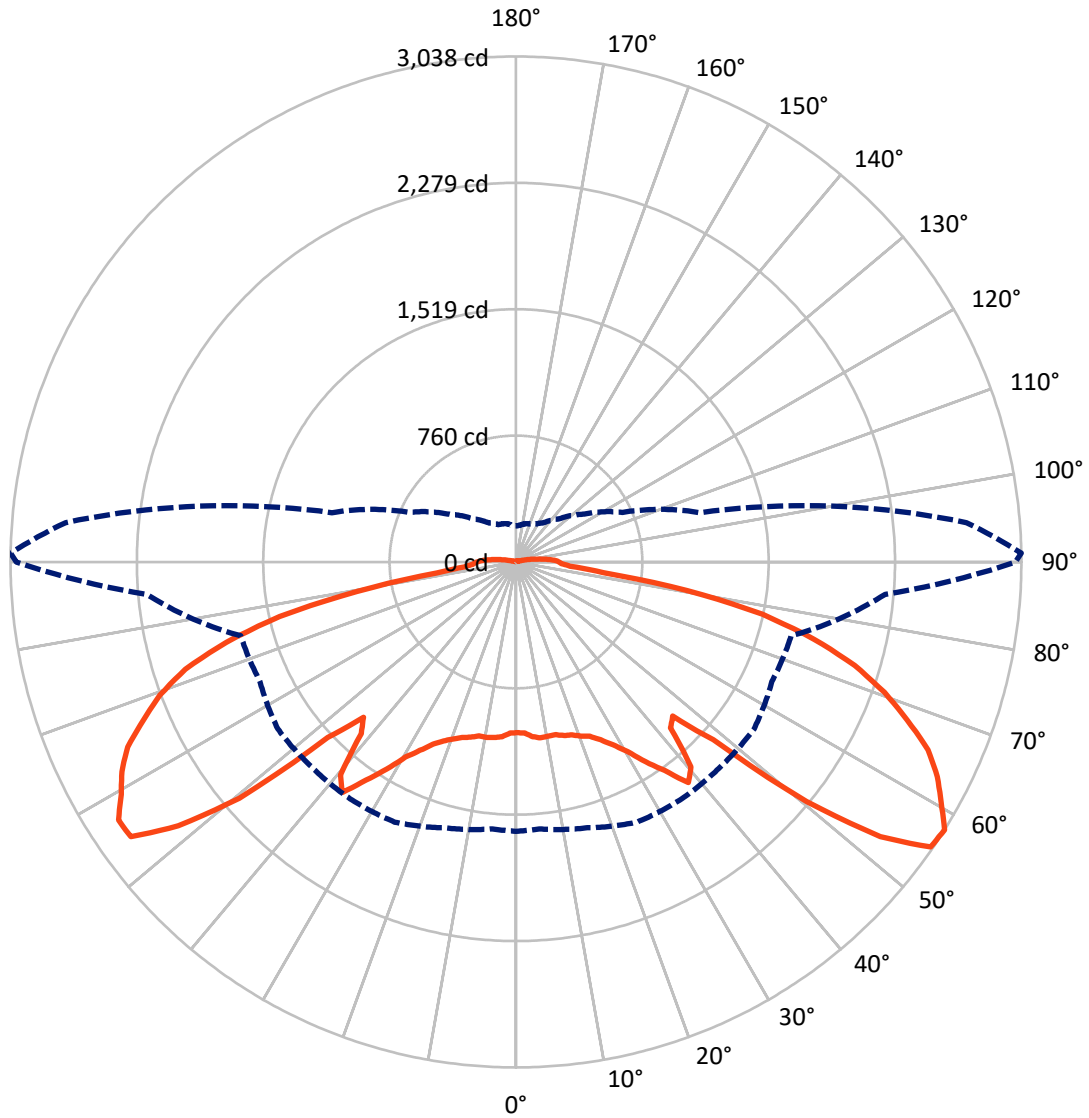
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

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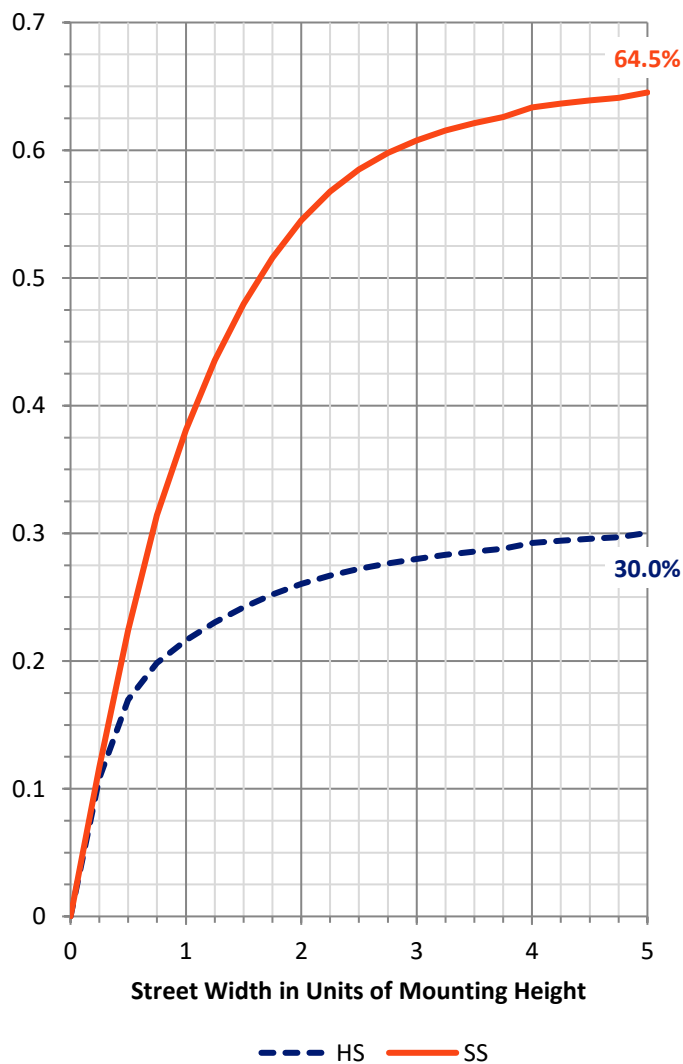
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1994.7	97.0	2091.7
	% Fixture	31.7	1.5	33.3
<b>Street Side</b>	Lumens	4109.4	83.0	4192.3
	% Fixture	65.4	1.3	66.7
<b>Total</b>	Lumens	6104.0	180.0	6284.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.4	1.6
10°-20°	305.4	4.9
20°-30°	519.2	8.3
30°-40°	730.6	11.6
40°-50°	693.8	11.0
50°-60°	1039.3	16.5
60°-70°	1344.9	21.4
70°-80°	1017.8	16.2
80°-90°	352.6	5.6
90°-100°	132.4	2.1
100°-110°	31.0	0.5
110°-120°	10.7	0.2
120°-130°	5.4	0.1
130°-140°	0.5	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°	6104.0	97.1
0°-180°	6284.0	100.0

**Coefficient of Utilization**



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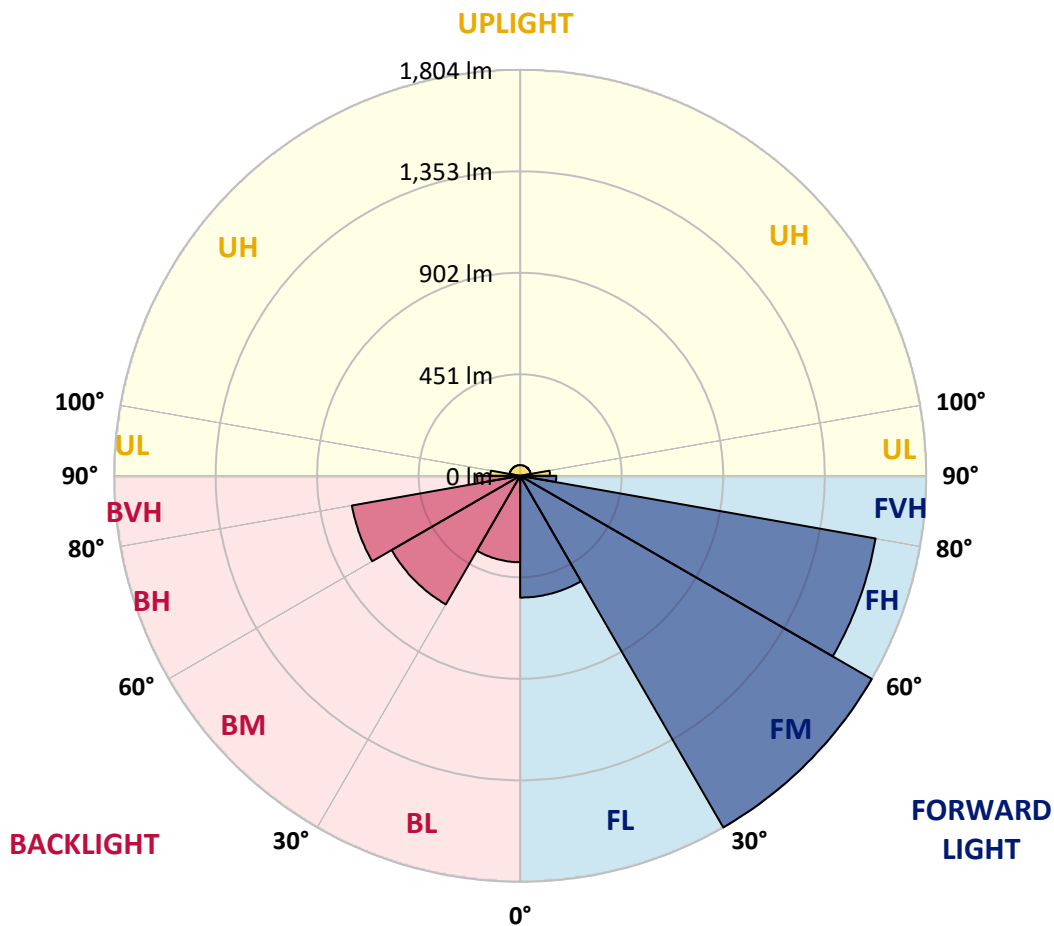
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.0	8.6			
FM (30°-60°)	1804.0	28.7			
FH (60°-80°)	1603.6	25.5			G1/1800
FVH (80°-90°)	160.8	2.6			G2/225
BL (0°-30°)	384.0	6.1	B1/500		
BM (30°-60°)	659.7	10.5	B1/1000		
BH (60°-80°)	759.1	12.1	B2/1000		G2/1000
BVH (80°-90°)	191.8	3.1			G2/225
UL (90°-100°)	132.4	2.1		U3/500	
UH (100°-180°)	47.6	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°	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0
2.5°	1007.3	1007.3	1007.3	1009.3	1015.6	1019.7	1021.8	1019.7	1021.8	1026.0	1030.1
5°	1036.4	1034.3	1032.2	1028.1	1026.0	1026.0	1028.1	1028.1	1032.2	1046.8	1055.1
7.5°	1063.4	1059.3	1057.2	1057.2	1055.1	1044.7	1042.6	1036.4	1034.3	1053.0	1065.5
10°	1113.4	1109.2	1096.7	1082.2	1078.0	1065.5	1046.8	1042.6	1044.7	1065.5	1069.7
12.5°	1159.2	1157.1	1148.8	1134.2	1113.4	1100.9	1073.9	1061.4	1063.4	1075.9	1067.6
15°	1236.2	1227.9	1202.9	1190.4	1169.6	1146.7	1111.3	1096.7	1100.9	1090.5	1086.3
17.5°	1282.0	1275.7	1275.7	1252.8	1238.3	1198.7	1165.4	1138.4	1148.8	1121.7	1098.8
20°	1323.6	1323.6	1325.7	1329.8	1302.8	1271.6	1225.8	1192.5	1194.6	1155.0	1121.7
22.5°	1388.1	1381.9	1388.1	1394.3	1375.6	1348.6	1292.4	1259.1	1244.5	1194.6	1150.9
25°	1454.7	1450.5	1450.5	1467.2	1473.4	1431.8	1379.8	1344.4	1323.6	1250.7	1192.5
27.5°	1521.3	1523.4	1529.6	1535.9	1546.3	1525.5	1473.4	1446.4	1419.3	1317.3	1259.1
30°	1575.4	1571.2	1598.3	1612.9	1623.3	1631.6	1573.3	1544.2	1515.0	1402.7	1334.0
32.5°	1635.7	1635.7	1660.7	1687.8	1702.3	1719.0	1671.1	1652.4	1621.2	1504.6	1458.9
35°	1685.7	1685.7	1723.2	1768.9	1796.0	1808.5	1783.5	1781.4	1775.2	1644.1	1577.5
37.5°	1517.1	1537.9	1596.2	1687.8	1791.8	1875.1	1881.3	1922.9	1943.8	1802.2	1716.9
40°	1323.6	1329.8	1398.5	1479.7	1577.5	1681.5	1781.4	1904.2	1889.6	1719.0	1644.1
42.5°	1192.5	1209.1	1296.5	1359.0	1423.5	1488.0	1488.0	1483.8	1379.8	1411.0	1381.9
45°	1180.0	1184.1	1257.0	1350.6	1375.6	1286.1	1161.3	1092.6	1100.9	1252.8	1321.5
47.5°	1309.0	1315.3	1390.2	1479.7	1390.2	1232.0	1109.2	1098.8	1092.6	1361.0	1594.1
50°	1377.7	1381.9	1452.6	1498.4	1359.0	1356.9	1359.0	1321.5	1288.2	1785.6	2287.1
52.5°	1419.3	1423.5	1419.3	1477.6	1429.7	1540.0	1502.6	1440.1	1415.2	2068.6	2701.3
55°	1309.0	1336.1	1448.5	1602.5	1606.6	1644.1	1629.5	1573.3	1571.2	2174.8	3011.4
57.5°	1619.1	1610.8	1654.5	1725.2	1737.7	1739.8	1748.1	1698.2	1712.8	2228.9	3003.0
60°	1833.5	1810.6	1764.8	1798.1	1812.6	1835.5	1864.7	1808.5	1825.1	2276.7	2871.9
62.5°	2035.3	1999.9	1823.0	1816.8	1839.7	1885.5	1927.1	1883.4	1898.0	2293.4	2780.4
65°	2006.2	1975.0	1841.8	1768.9	1802.2	1864.7	1922.9	1902.1	1898.0	2258.0	2668.0
67.5°	1729.4	1731.5	1716.9	1716.9	1704.4	1793.9	1887.6	1889.6	1868.8	2168.5	2499.4
70°	1485.9	1477.6	1500.5	1587.9	1600.4	1706.5	1831.4	1852.2	1825.1	2068.6	2337.1
72.5°	1265.3	1259.1	1263.2	1336.1	1440.1	1556.7	1698.2	1748.1	1708.6	1889.6	2139.4
75°	1046.8	1040.6	1038.5	1063.4	1146.7	1292.4	1454.7	1544.2	1510.9	1629.5	1850.1
77.5°	795.0	782.5	782.5	790.8	853.3	984.4	1140.4	1265.3	1248.7	1313.2	1492.2
80°	528.6	530.7	526.5	524.4	566.1	643.1	757.5	907.4	899.0	899.0	990.6
82.5°	335.1	335.1	341.3	320.5	316.3	324.7	351.7	412.1	416.2	455.8	487.0
85°	214.4	216.4	216.4	195.6	189.4	195.6	214.4	233.1	241.4	280.9	316.3
87.5°	156.1	156.1	151.9	147.8	149.8	156.1	170.7	187.3	201.9	233.1	264.3
90°	118.6	118.6	116.5	114.5	118.6	126.9	145.7	164.4	183.1	218.5	247.7
92.5°	97.8	97.8	95.7	95.7	97.8	104.1	120.7	141.5	160.2	189.4	216.4
95°	81.2	83.2	81.2	83.2	85.3	89.5	99.9	116.5	129.0	147.8	166.5
97.5°	64.5	66.6	66.6	66.6	68.7	74.9	81.2	91.6	99.9	108.2	120.7
100°	47.9	49.9	49.9	49.9	52.0	58.3	64.5	68.7	70.8	72.8	79.1
102.5°	35.4	37.5	37.5	37.5	37.5	41.6	43.7	45.8	45.8	45.8	47.9
105°	25.0	25.0	25.0	25.0	25.0	25.0	27.1	27.1	27.1	27.1	27.1
107.5°	18.7	18.7	18.7	18.7	18.7	18.7	20.8	20.8	20.8	20.8	20.8
110°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	18.7	16.6	16.6	18.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	16.6	16.6	14.6	14.6	14.6
115°	12.5	12.5	12.5	12.5	12.5	12.5	14.6	14.6	12.5	12.5	12.5
117.5°	10.4	10.4	10.4	10.4	10.4	10.4	12.5	12.5	10.4	12.5	12.5
120°	10.4	12.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	12.5
122.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	10.4	10.4
125°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3
130°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0	1026.0
2.5°	1030.1	1034.3	1042.6	1051.0	1059.3	1067.6	1071.8	1073.9	1075.9	1071.8	1073.9
5°	1055.1	1059.3	1071.8	1084.3	1082.2	1075.9	1067.6	1067.6	1069.7	1069.7	1073.9
7.5°	1067.6	1073.9	1069.7	1071.8	1075.9	1069.7	1061.4	1051.0	1038.5	1038.5	1040.6
10°	1065.5	1059.3	1065.5	1059.3	1044.7	1042.6	1038.5	1023.9	1015.6	1017.7	1017.7
12.5°	1065.5	1063.4	1051.0	1044.7	1032.2	1009.3	998.9	1003.1	992.7	994.8	990.6
15°	1082.2	1067.6	1051.0	1030.1	1003.1	990.6	976.0	953.1	951.1	951.1	951.1
17.5°	1092.6	1082.2	1044.7	1003.1	984.4	953.1	936.5	930.3	913.6	919.8	924.0
20°	1117.6	1092.6	1038.5	994.8	930.3	911.5	884.5	878.2	869.9	844.9	836.6
22.5°	1138.4	1115.5	1032.2	955.2	901.1	857.4	815.8	786.7	772.1	761.7	753.4
25°	1184.1	1148.8	1038.5	936.5	853.3	797.1	759.6	707.6	672.2	668.0	672.2
27.5°	1244.5	1188.3	1053.0	911.5	815.8	728.4	653.5	618.1	580.6	568.1	570.2
30°	1321.5	1246.6	1051.0	888.6	749.2	649.3	553.6	493.2	464.1	451.6	449.5
32.5°	1431.8	1327.7	1098.8	859.5	688.8	539.0	435.0	360.0	345.5	343.4	341.3
35°	1540.0	1458.9	1121.7	815.8	601.4	432.9	328.8	283.0	280.9	278.9	276.8
37.5°	1683.6	1587.9	1186.2	788.7	518.2	326.7	264.3	231.0	224.8	214.4	218.5
40°	1619.1	1540.0	1205.0	747.1	401.7	241.4	197.7	170.7	166.5	168.6	166.5
42.5°	1363.1	1304.9	1051.0	643.1	276.8	176.9	147.8	151.9	160.2	166.5	166.5
45°	1321.5	1207.0	757.5	455.8	179.0	147.8	143.6	149.8	164.4	179.0	181.1
47.5°	1596.2	1450.5	663.9	351.7	206.0	168.6	154.0	154.0	162.3	164.4	162.3
50°	2262.2	2041.6	776.3	403.7	256.0	203.9	176.9	166.5	170.7	174.8	172.7
52.5°	2742.9	2466.1	884.5	482.8	320.5	243.5	208.1	183.1	179.0	179.0	176.9
55°	3023.8	2709.6	1011.4	595.2	401.7	293.4	241.4	212.3	201.9	193.5	193.5
57.5°	3038.4	2717.9	1144.6	705.5	501.5	366.3	287.2	247.7	239.3	220.6	216.4
60°	2936.4	2682.5	1246.6	815.8	597.3	468.2	366.3	308.0	297.6	287.2	280.9
62.5°	2842.8	2624.3	1296.5	907.4	699.3	582.7	466.2	385.0	351.7	364.2	372.5
65°	2722.1	2559.8	1263.2	915.7	745.0	651.4	539.0	420.4	364.2	391.2	405.8
67.5°	2536.9	2391.2	1180.0	840.8	695.1	609.8	505.7	395.4	351.7	362.1	362.1
70°	2349.6	2193.5	1098.8	782.5	626.4	536.9	439.1	353.8	347.5	341.3	341.3
72.5°	2129.0	1943.8	992.7	747.1	599.4	522.4	426.6	355.9	372.5	380.8	380.8
75°	1850.1	1644.1	880.3	715.9	586.9	532.8	428.7	382.9	412.1	416.2	416.2
77.5°	1515.0	1290.3	749.2	659.7	551.5	512.0	399.6	376.7	405.8	412.1	414.1
80°	1042.6	913.6	628.5	574.4	493.2	459.9	368.4	366.3	395.4	410.0	412.1
82.5°	528.6	520.3	457.8	451.6	420.4	401.7	341.3	355.9	387.1	407.9	410.0
85°	326.7	339.2	305.9	301.8	312.2	320.5	310.1	339.2	362.1	385.0	389.2
87.5°	272.6	287.2	256.0	243.5	247.7	262.2	274.7	305.9	326.7	345.5	347.5
90°	256.0	268.5	218.5	208.1	216.4	226.8	235.2	251.8	268.5	278.9	278.9
92.5°	224.8	228.9	181.1	172.7	185.2	191.5	189.4	193.5	193.5	172.7	172.7
95°	172.7	172.7	137.4	137.4	147.8	149.8	135.3	122.8	114.5	68.7	58.3
97.5°	124.9	122.8	99.9	99.9	108.2	106.1	89.5	74.9	62.4	39.5	41.6
100°	83.2	81.2	66.6	70.8	74.9	66.6	56.2	45.8	37.5	25.0	29.1
102.5°	49.9	47.9	43.7	45.8	43.7	41.6	33.3	27.1	22.9	14.6	16.6
105°	29.1	27.1	27.1	27.1	27.1	25.0	22.9	16.6	12.5	8.3	8.3
107.5°	20.8	20.8	20.8	18.7	18.7	16.6	14.6	12.5	8.3	6.2	4.2
110°	18.7	16.6	16.6	16.6	14.6	14.6	12.5	10.4	6.2	4.2	4.2



REPORT NUMBER: P691432  
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.6	14.6	14.6	12.5	12.5	10.4	8.3	8.3	6.2	2.1	2.1
115°	12.5	12.5	10.4	10.4	8.3	8.3	6.2	6.2	4.2	2.1	2.1
117.5°	12.5	12.5	8.3	8.3	6.2	6.2	6.2	4.2	2.1	2.1	2.1
120°	12.5	10.4	8.3	6.2	6.2	6.2	4.2	4.2	2.1	0.0	2.1
122.5°	10.4	10.4	6.2	6.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0
125°	8.3	8.3	6.2	4.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0
127.5°	8.3	8.3	6.2	4.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0
130°	6.2	6.2	4.2	4.2	4.2	4.2	2.1	2.1	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)