

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: P691311

Luminaire Tested: **CRTK2-C015-D-U-T2-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T2-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

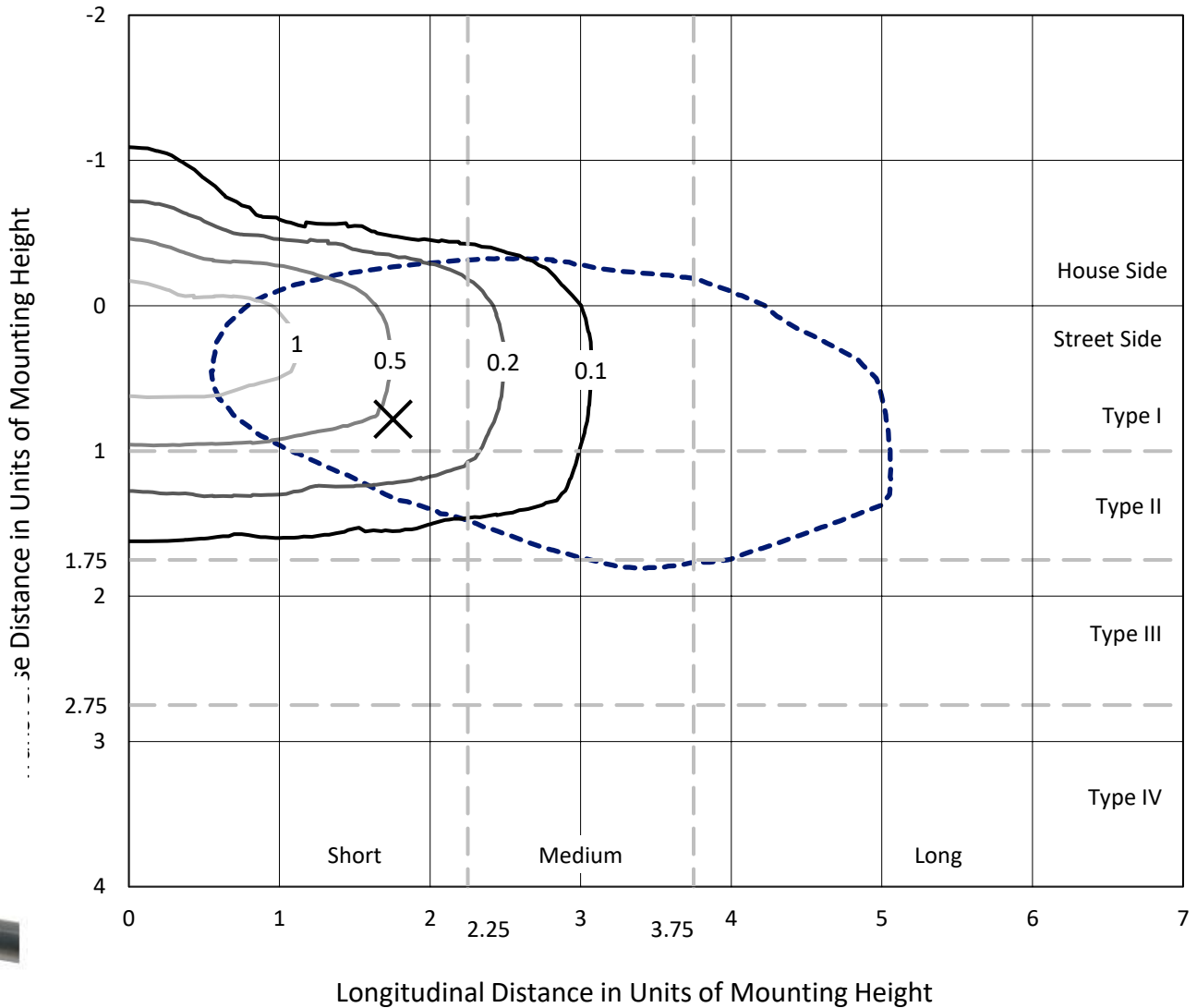
Lumens per Lamp: N/A  
Luminaire Lumens: 4464 lumens  
Efficiency: N/A  
Efficacy: 149.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G1  
  
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): 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

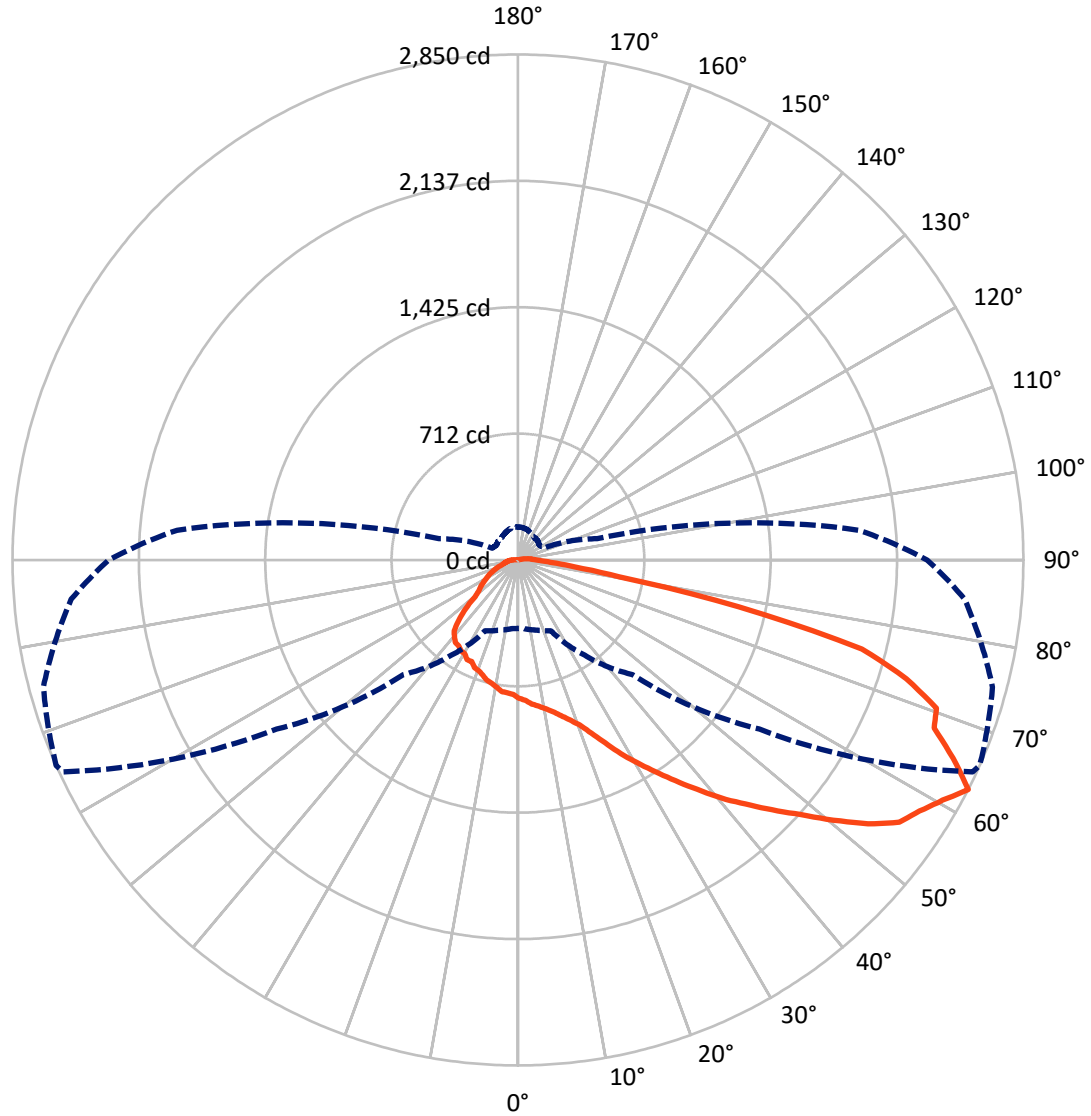
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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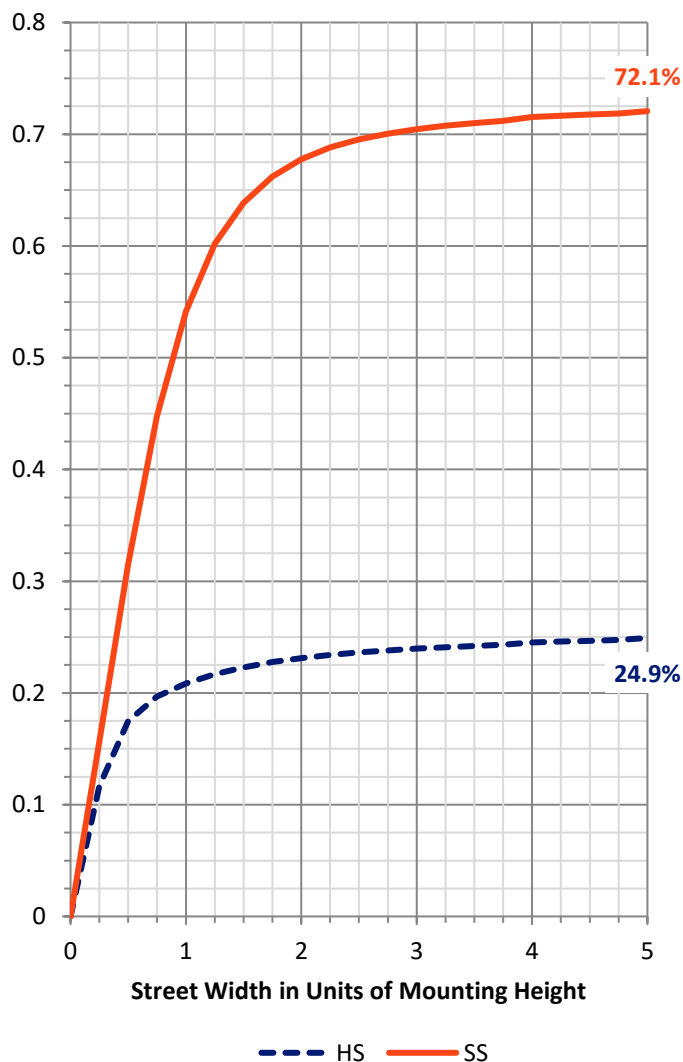
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.9	32.1	1194.1
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	3238.2	31.8	3270.0
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	4400.1	63.9	4464.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.0	1.7
10°-20°	224.4	5.0
20°-30°	379.8	8.5
30°-40°	555.7	12.4
40°-50°	726.3	16.3
50°-60°	845.1	18.9
60°-70°	845.5	18.9
70°-80°	583.4	13.1
80°-90°	164.9	3.7
90°-100°	54.4	1.2
100°-110°	7.4	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4400.1	98.6
0°-180°	4464.0	100.0

**Coefficient of Utilization**

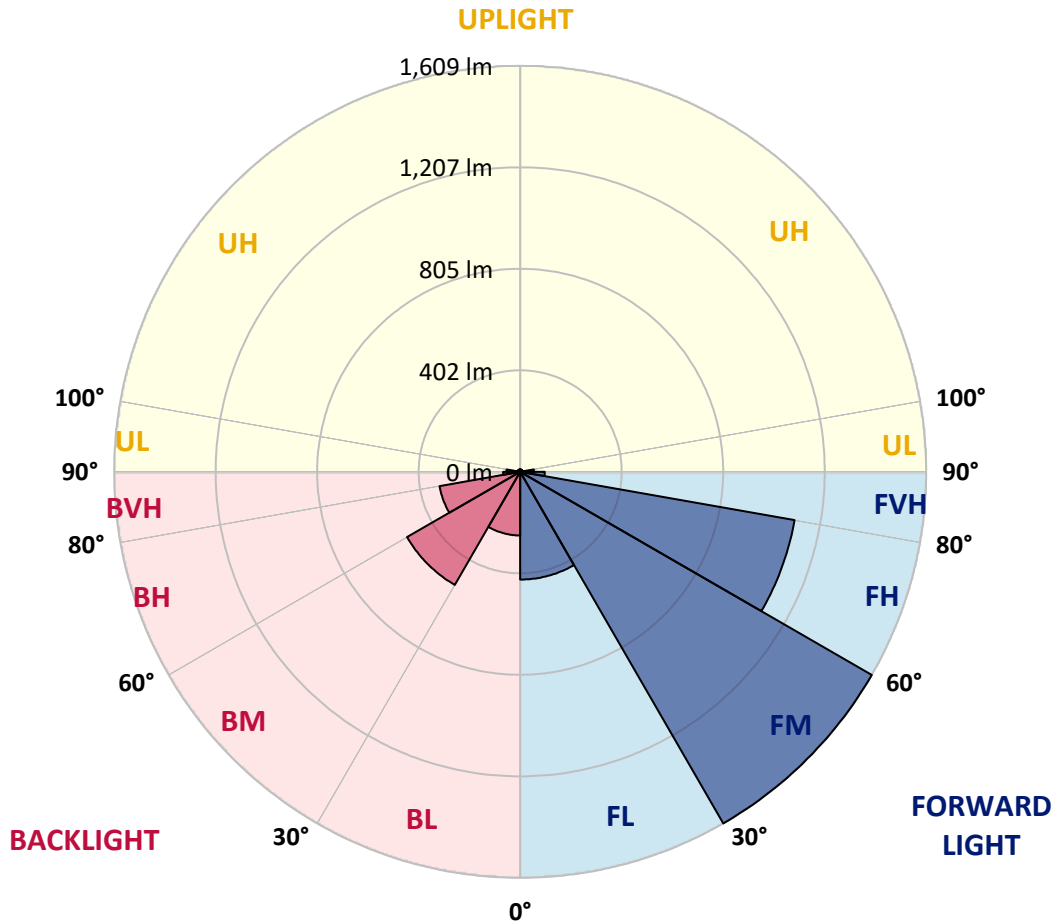


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.0	9.6			
FM (30°-60°)	1609.4	36.1			
FH (60°-80°)	1104.4	24.7			G1/1800
FVH (80°-90°)	97.4	2.2			G1/100
BL (0°-30°)	252.2	5.6	B1/500		
BM (30°-60°)	517.7	11.6	B1/1000		
BH (60°-80°)	324.6	7.3	B1/500		G1/500
BVH (80°-90°)	67.5	1.5			G1/100
UL (90°-100°)	54.4	1.2		U3/500	
UH (100°-180°)	9.5	0.2		U1/10	

**BUG Rating: B1-U3-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	820.0	818.5	818.5	811.1	803.7	802.2	797.7	791.8	791.8	787.4	779.9
5°	868.9	867.4	868.9	858.5	848.1	839.3	824.4	817.0	815.5	805.1	790.3
7.5°	903.0	901.5	900.0	891.1	886.7	877.8	857.0	834.8	831.8	821.5	802.2
10°	916.4	917.8	925.3	910.4	901.5	894.1	882.3	855.6	852.6	828.9	799.2
12.5°	951.9	953.4	949.0	931.2	928.2	922.3	903.0	880.8	877.8	848.1	806.6
15°	989.0	989.0	983.1	972.7	965.3	959.4	935.6	911.9	910.4	874.8	825.9
17.5°	1005.3	1008.3	1009.8	996.4	993.5	992.0	980.1	950.5	947.5	913.4	852.6
20°	1015.7	1017.2	1018.7	1017.2	1018.7	1017.2	1023.1	999.4	992.0	956.4	882.3
22.5°	1036.5	1039.4	1049.8	1049.8	1054.3	1064.6	1060.2	1063.2	1060.2	1017.2	932.7
25°	1046.8	1051.3	1064.6	1080.9	1100.2	1112.1	1128.4	1140.3	1141.7	1103.2	1009.8
27.5°	1030.5	1040.9	1075.0	1100.2	1144.7	1175.8	1214.4	1233.7	1236.6	1199.6	1092.8
30°	1051.3	1051.3	1072.0	1107.6	1162.5	1235.2	1294.5	1324.1	1327.1	1298.9	1175.8
32.5°	1012.7	1021.6	1069.1	1137.3	1215.9	1298.9	1356.7	1414.6	1422.0	1413.1	1294.5
35°	1008.3	1012.7	1042.4	1113.6	1218.8	1358.2	1438.3	1513.9	1528.7	1531.7	1408.6
37.5°	966.8	972.7	1027.6	1116.5	1260.4	1399.7	1502.1	1626.6	1640.0	1660.7	1508.0
40°	914.9	923.8	968.3	1067.6	1248.5	1448.7	1570.3	1745.2	1764.5	1789.7	1638.5
42.5°	846.7	863.0	938.6	1045.4	1242.6	1465.0	1635.5	1863.9	1881.6	1908.3	1748.2
45°	788.8	793.3	854.1	965.3	1195.1	1487.2	1696.3	1997.3	2009.2	2022.5	1837.2
47.5°	736.9	745.8	797.7	901.5	1144.7	1482.8	1749.7	2123.3	2144.1	2184.1	1945.4
50°	582.7	603.5	750.3	846.7	1067.6	1469.4	1794.2	2271.6	2305.7	2320.5	2068.5
52.5°	504.1	510.1	584.2	793.3	981.6	1424.9	1832.7	2433.2	2471.8	2437.7	2216.8
55°	465.6	471.5	505.6	685.0	914.9	1334.5	1862.4	2586.0	2609.7	2529.6	2326.5
57.5°	444.8	449.3	467.1	554.6	833.3	1190.7	1865.3	2661.6	2670.5	2602.3	2382.8
60°	409.2	413.7	444.8	483.4	742.9	1037.9	1813.4	2704.6	2750.6	2691.2	2491.1
62.5°	385.5	388.5	409.2	440.4	655.4	913.4	1662.2	2827.7	2849.9	2769.8	2528.1
65°	355.9	358.8	378.1	406.3	599.0	843.7	1597.0	2777.2	2695.7	2750.6	2577.1
67.5°	321.8	326.2	344.0	367.7	505.6	775.5	1408.6	2588.9	2531.1	2652.7	2449.5
70°	290.6	293.6	312.9	326.2	415.2	686.5	1169.9	2442.1	2502.9	2501.4	2333.9
72.5°	256.5	259.5	275.8	287.7	347.0	581.2	928.2	2273.1	2290.9	2227.1	2065.5
75°	220.9	222.4	237.2	249.1	284.7	465.6	677.6	1880.2	2003.2	2129.3	1786.7
77.5°	177.9	182.4	194.2	200.2	228.3	372.2	441.9	1113.6	1272.2	1872.7	1597.0
80°	133.4	133.4	142.3	145.3	169.0	277.3	278.8	536.8	576.8	1190.7	1186.2
82.5°	84.5	89.0	97.9	96.4	114.2	158.7	176.5	298.0	320.3	471.5	526.4
85°	68.2	69.7	75.6	71.2	75.6	86.0	99.3	188.3	195.7	287.7	286.2
87.5°	56.3	57.8	62.3	59.3	60.8	65.2	77.1	126.0	129.0	185.3	191.3
90°	43.0	44.5	50.4	48.9	47.4	53.4	63.8	96.4	100.8	146.8	157.2
92.5°	28.2	28.2	32.6	32.6	32.6	38.6	56.3	74.1	77.1	133.4	140.9
95°	20.8	20.8	22.2	23.7	22.2	28.2	41.5	66.7	72.7	124.6	121.6
97.5°	13.3	13.3	14.8	16.3	14.8	17.8	23.7	47.4	53.4	96.4	94.9
100°	8.9	8.9	8.9	8.9	8.9	8.9	13.3	31.1	35.6	60.8	59.3
102.5°	5.9	5.9	5.9	5.9	4.4	4.4	5.9	14.8	16.3	32.6	31.1
105°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	5.9	7.4	13.3	13.3
107.5°	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5	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	1.5	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°	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9	779.9
2.5°	777.0	772.5	765.1	757.7	753.3	748.8	741.4	735.5	735.5	742.9	742.9
5°	779.9	771.0	756.2	750.3	742.9	732.5	720.6	711.7	707.3	713.2	714.7
7.5°	787.4	774.0	759.2	745.8	720.6	701.4	691.0	679.1	677.6	683.6	686.5
10°	781.4	768.1	750.3	725.1	698.4	683.6	664.3	649.5	649.5	645.0	648.0
12.5°	787.4	769.6	734.0	707.3	683.6	650.9	627.2	612.4	610.9	615.4	615.4
15°	802.2	775.5	729.5	696.9	658.4	625.7	602.0	585.7	590.1	581.2	582.7
17.5°	820.0	779.9	729.5	673.2	630.2	599.0	566.4	547.1	548.6	550.1	551.6
20°	842.2	791.8	722.1	655.4	603.5	559.0	521.9	507.1	502.7	505.6	507.1
22.5°	876.3	818.5	719.1	646.5	566.4	523.4	490.8	461.1	458.2	458.2	458.2
25°	932.7	858.5	732.5	616.8	547.1	481.9	444.8	416.7	403.3	404.8	406.3
27.5°	1018.7	922.3	745.8	618.3	502.7	444.8	398.9	367.7	360.3	361.8	363.3
30°	1109.1	1008.3	779.9	588.7	477.5	388.5	341.0	318.8	309.9	305.5	306.9
32.5°	1178.8	1083.9	827.4	579.8	431.5	327.7	298.0	280.2	268.4	263.9	263.9
35°	1290.0	1158.0	865.9	557.5	384.0	289.1	265.4	246.1	240.2	237.2	237.2
37.5°	1384.9	1239.6	906.0	548.6	326.2	259.5	229.8	218.0	218.0	215.0	213.5
40°	1487.2	1325.6	928.2	521.9	281.7	228.3	198.7	197.2	201.7	201.7	201.7
42.5°	1610.3	1414.6	951.9	490.8	247.6	192.8	176.5	188.3	198.7	201.7	201.7
45°	1702.2	1470.9	962.3	424.1	213.5	167.6	173.5	185.3	198.7	203.1	201.7
47.5°	1780.8	1552.5	947.5	342.5	183.9	163.1	170.5	180.9	197.2	203.1	203.1
50°	1859.4	1622.2	937.1	247.6	172.0	163.1	170.5	175.0	192.8	200.2	200.2
52.5°	1975.1	1677.0	895.6	207.6	163.1	164.6	173.5	173.5	189.8	198.7	203.1
55°	2123.3	1803.1	817.0	194.2	160.1	163.1	175.0	175.0	186.8	195.7	198.7
57.5°	2184.1	1847.5	682.1	182.4	157.2	163.1	170.5	173.5	188.3	194.2	192.8
60°	2264.2	1920.2	559.0	170.5	151.2	160.1	164.6	175.0	186.8	188.3	186.8
62.5°	2307.2	1929.1	462.6	158.7	146.8	155.7	157.2	169.0	180.9	185.3	186.8
65°	2330.9	1920.2	342.5	146.8	142.3	149.8	151.2	161.6	173.5	176.5	177.9
67.5°	2244.9	1859.4	237.2	134.9	137.9	142.3	145.3	155.7	164.6	173.5	176.5
70°	2090.7	1683.0	169.0	120.1	130.5	134.9	140.9	151.2	160.1	172.0	175.0
72.5°	1920.2	1355.3	124.6	102.3	120.1	126.0	136.4	143.8	157.2	172.0	176.5
75°	1760.1	1189.2	99.3	87.5	102.3	115.7	129.0	139.4	158.7	210.6	218.0
77.5°	1248.5	803.7	89.0	77.1	87.5	100.8	118.6	136.4	220.9	250.6	252.1
80°	906.0	473.0	80.1	68.2	75.6	81.6	108.2	167.6	244.7	231.3	231.3
82.5°	453.7	253.6	75.6	60.8	65.2	66.7	96.4	213.5	197.2	206.1	207.6
85°	219.5	123.1	62.3	53.4	56.3	54.9	90.4	203.1	186.8	188.3	185.3
87.5°	137.9	75.6	48.9	44.5	46.0	44.5	86.0	194.2	195.7	160.1	163.1
90°	124.6	89.0	38.6	35.6	31.1	37.1	77.1	180.9	191.3	115.7	96.4
92.5°	120.1	96.4	28.2	25.2	22.2	29.7	57.8	146.8	117.1	48.9	29.7
95°	106.8	84.5	23.7	17.8	20.8	25.2	37.1	97.9	78.6	0.0	0.0
97.5°	80.1	62.3	19.3	11.9	66.7	22.2	20.8	63.8	22.2	0.0	0.0
100°	50.4	38.6	14.8	8.9	75.6	14.8	13.3	37.1	0.0	0.0	0.0
102.5°	28.2	20.8	7.4	5.9	32.6	7.4	8.9	8.9	0.0	0.0	0.0
105°	11.9	10.4	3.0	3.0	3.0	1.5	4.4	0.0	0.0	0.0	0.0
107.5°	3.0	4.4	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691311  
 CATALOG NUMBER: CRTK2-C015-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
120°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
165°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.5	1.5	1.5	1.5	1.5	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)