

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: P691216

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4893 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

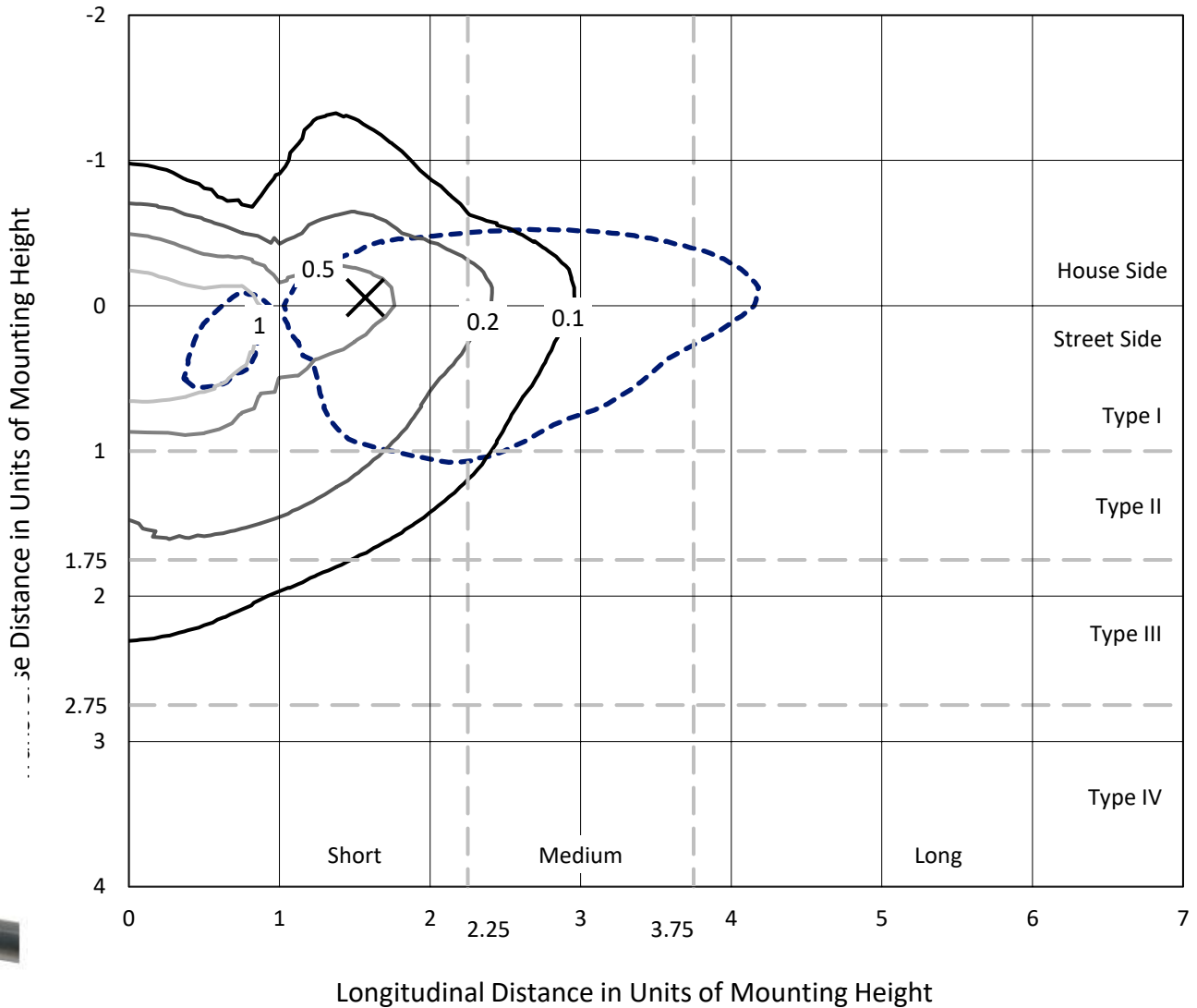
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

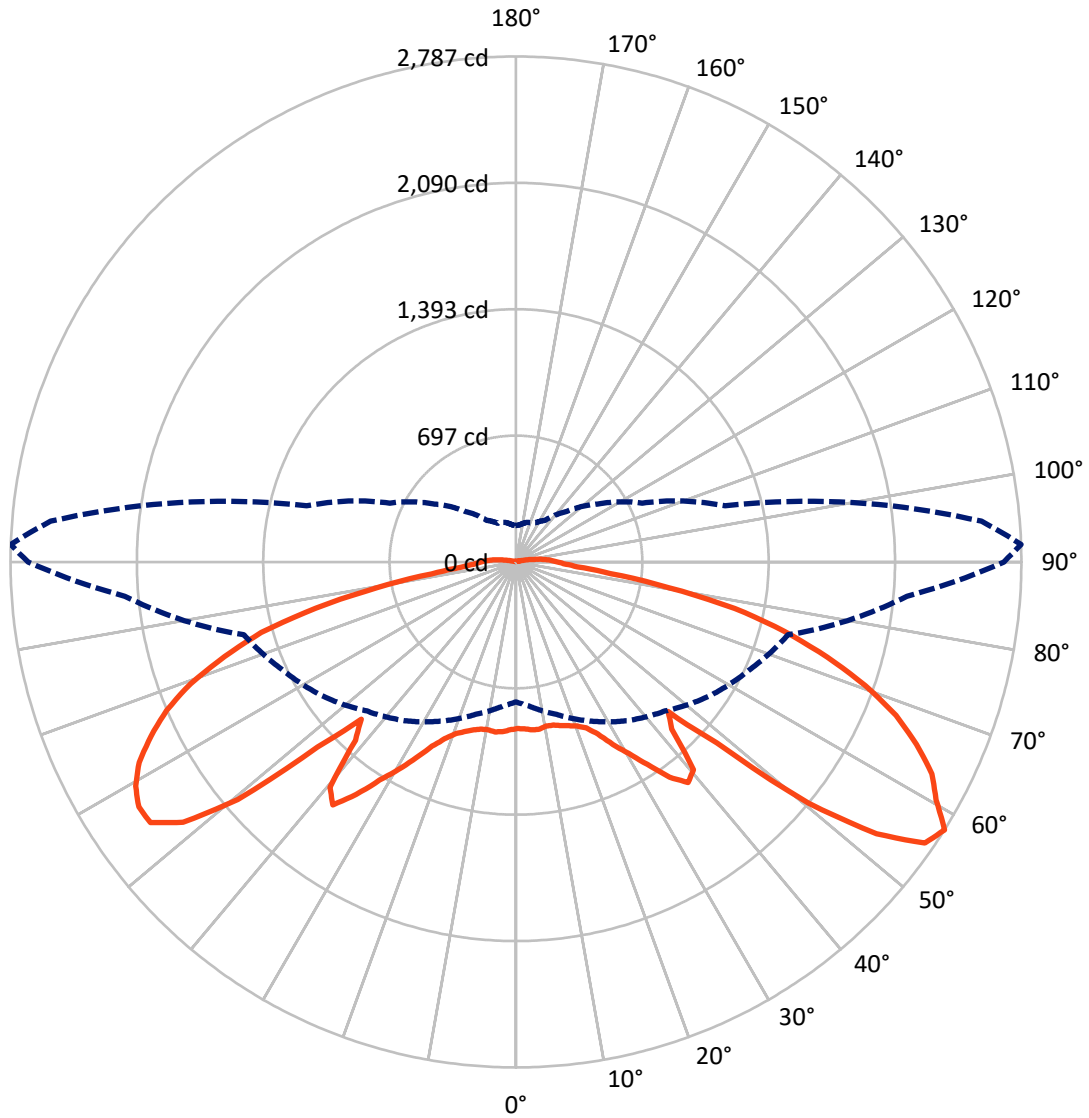
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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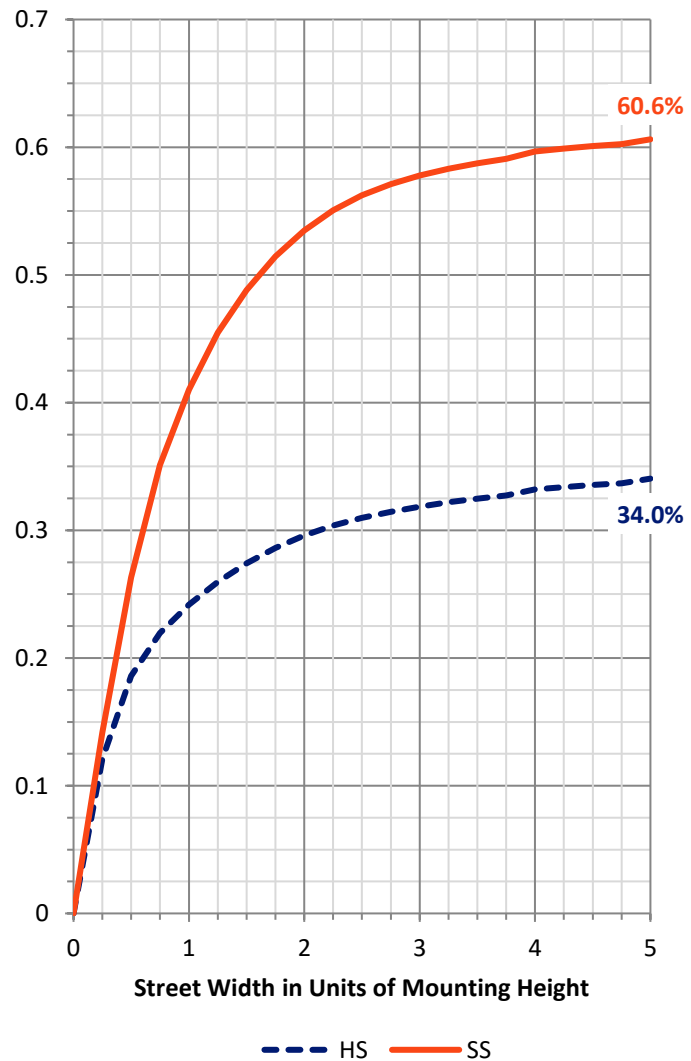
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1745.9	76.2	1822.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	3008.6	62.3	3070.8
	% Fixture	61.5	1.3	62.8
Total	Lumens	4754.5	138.5	4893.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	1.8
10°-20°	259.3	5.3
20°-30°	430.0	8.8
30°-40°	595.2	12.2
40°-50°	555.7	11.4
50°-60°	830.4	17.0
60°-70°	986.4	20.2
70°-80°	724.0	14.8
80°-90°	285.4	5.8
90°-100°	100.5	2.1
100°-110°	23.8	0.5
110°-120°	9.2	0.2
120°-130°	4.7	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°	4754.5	97.2
0°-180°	4893.0	100.0



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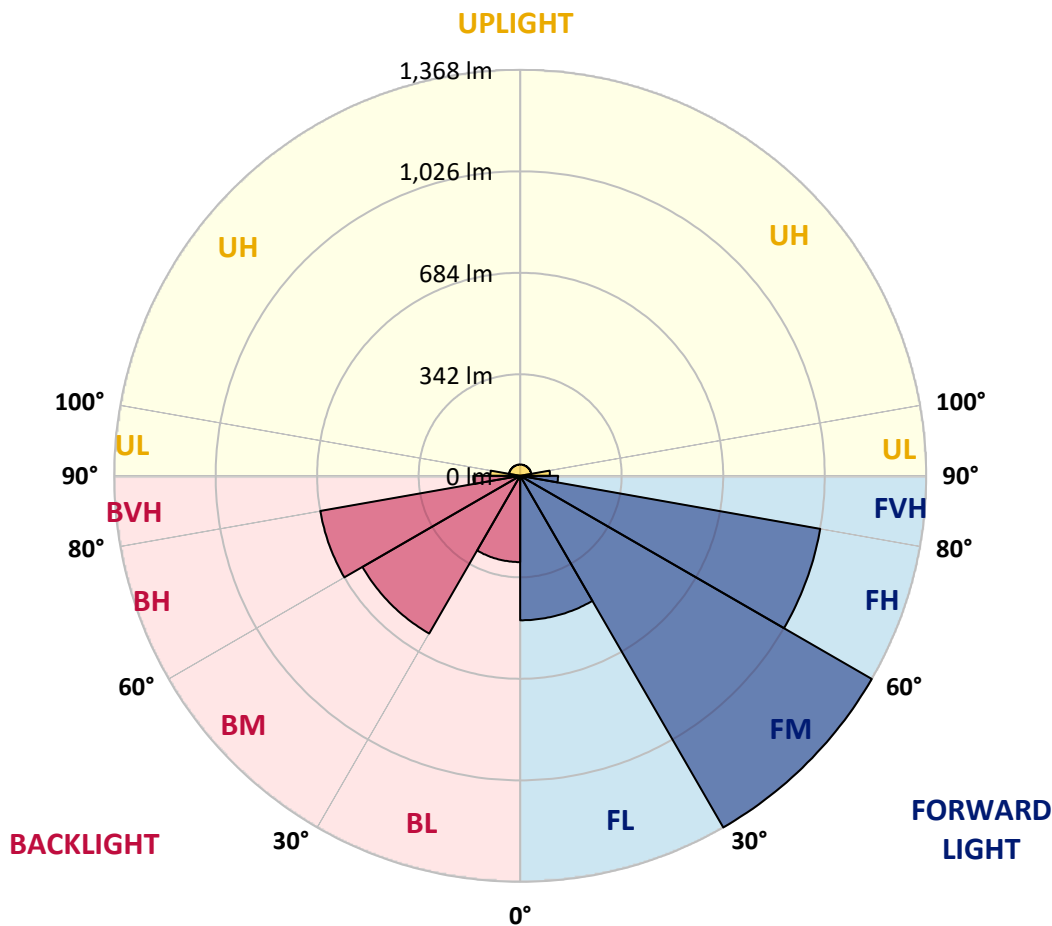
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.7	9.9			
FM (30°-60°)	1367.8	28.0			
FH (60°-80°)	1026.5	21.0			G1/1800
FVH (80°-90°)	127.6	2.6			G2/225
BL (0°-30°)	290.6	5.9	B1/500		
BM (30°-60°)	613.5	12.5	B1/1000		
BH (60°-80°)	683.9	14.0	B2/1000		G2/1000
BVH (80°-90°)	157.8	3.2			G2/225
UL (90°-100°)	100.5	2.1		U3/500	
UH (100°-180°)	38.0	0.8		U2/50	

BUG Rating: B2-U3-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	957.4	950.8	952.5	950.8	947.5	944.2	940.9	937.6	932.7	927.7	924.4
5°	1013.4	1006.8	1006.8	1006.8	1000.2	990.4	977.2	968.9	957.4	944.2	934.3
7.5°	1051.3	1046.4	1044.7	1043.1	1034.8	1028.3	1013.4	987.1	968.9	952.5	937.6
10°	1064.5	1064.5	1062.9	1057.9	1049.7	1041.4	1031.5	1006.8	977.2	949.2	929.4
12.5°	1089.2	1092.5	1087.6	1079.3	1076.0	1066.2	1051.3	1031.5	998.6	955.7	932.7
15°	1127.1	1125.5	1118.9	1117.2	1113.9	1102.4	1089.2	1064.5	1026.6	972.2	945.9
17.5°	1143.6	1142.0	1142.0	1142.0	1142.0	1133.7	1132.1	1104.1	1064.5	998.6	965.6
20°	1146.9	1146.9	1151.8	1163.4	1165.0	1163.4	1171.6	1153.5	1107.3	1031.5	987.1
22.5°	1168.3	1170.0	1178.2	1189.7	1198.0	1201.3	1207.9	1216.1	1173.3	1084.3	1028.3
25°	1156.8	1165.0	1183.1	1201.3	1221.1	1232.6	1268.8	1296.9	1260.6	1161.7	1085.9
27.5°	1137.0	1143.6	1179.9	1212.8	1257.3	1305.1	1357.8	1394.1	1372.7	1257.3	1178.2
30°	1155.1	1155.1	1178.2	1232.6	1290.3	1377.6	1455.0	1494.6	1484.7	1357.8	1285.3
32.5°	1117.2	1127.1	1176.6	1255.7	1343.0	1456.7	1535.8	1609.9	1619.8	1488.0	1371.0
35°	1005.2	1026.6	1059.6	1163.4	1311.7	1509.4	1631.4	1725.3	1766.5	1636.3	1499.5
37.5°	830.5	838.8	908.0	1011.8	1188.1	1384.2	1595.1	1824.2	1909.8	1748.4	1628.1
40°	733.3	738.2	782.7	873.4	1021.7	1214.5	1392.4	1628.1	1695.6	1679.1	1565.4
42.5°	700.3	708.6	761.3	848.6	973.9	1107.3	1153.5	1255.7	1229.3	1300.1	1336.4
45°	739.9	744.8	782.7	858.5	937.6	995.3	962.3	1034.8	1071.1	1211.2	1219.4
47.5°	767.9	771.2	812.4	908.0	921.1	922.8	967.3	1010.1	1110.6	1413.8	1549.0
50°	659.1	675.6	754.7	837.1	843.7	973.9	1100.8	1186.4	1310.0	1862.1	2120.8
52.5°	611.3	619.6	705.3	848.6	944.2	1095.8	1186.4	1272.1	1390.8	2056.5	2511.3
55°	670.7	683.9	786.0	945.9	1041.4	1145.2	1259.0	1364.4	1481.4	2157.0	2686.0
57.5°	771.2	795.9	870.1	967.3	1067.8	1161.7	1293.6	1415.5	1552.3	2163.6	2689.3
60°	970.6	952.5	911.3	954.1	1051.3	1158.4	1310.0	1440.2	1591.8	2162.0	2613.5
62.5°	1107.3	1081.0	944.2	924.4	1015.1	1123.8	1273.8	1436.9	1583.6	2089.5	2527.8
65°	1081.0	1062.9	957.4	884.9	950.8	1067.8	1224.3	1417.1	1544.0	2012.0	2372.9
67.5°	932.7	911.3	866.8	838.8	871.7	1008.5	1178.2	1377.6	1497.9	1923.0	2203.2
70°	761.3	749.8	734.9	764.6	805.8	934.3	1094.2	1291.9	1410.6	1753.3	2021.9
72.5°	646.0	639.4	621.2	652.5	721.8	837.1	970.6	1168.3	1301.8	1524.3	1797.8
75°	543.8	545.4	535.5	555.3	599.8	713.5	819.0	1011.8	1160.1	1308.4	1555.6
77.5°	446.6	441.6	451.5	463.0	492.7	575.1	646.0	814.0	990.4	1038.1	1193.0
80°	326.3	334.5	352.6	351.0	375.7	412.0	459.7	548.7	695.4	743.2	802.5
82.5°	230.7	240.6	257.1	238.9	242.2	252.1	273.5	314.7	392.2	440.0	489.4
85°	163.1	168.1	171.4	158.2	158.2	164.8	179.6	209.3	257.1	286.7	313.1
87.5°	118.6	120.3	126.9	120.3	121.9	125.2	138.4	158.2	197.7	219.2	240.6
90°	90.6	90.6	93.9	92.3	95.6	102.2	115.3	131.8	161.5	187.9	207.6
92.5°	65.9	65.9	69.2	70.9	72.5	80.7	92.3	105.5	125.2	158.2	178.0
95°	51.1	51.1	54.4	54.4	56.0	62.6	72.5	85.7	100.5	123.6	141.7
97.5°	37.9	37.9	41.2	41.2	42.8	47.8	56.0	64.3	77.4	92.3	100.5
100°	29.7	29.7	31.3	31.3	33.0	37.9	42.8	47.8	51.1	59.3	62.6
102.5°	24.7	24.7	24.7	24.7	24.7	28.0	29.7	29.7	31.3	36.3	37.9
105°	19.8	19.8	19.8	18.1	18.1	19.8	19.8	19.8	21.4	21.4	23.1
107.5°	14.8	14.8	14.8	14.8	14.8	16.5	16.5	16.5	16.5	18.1	18.1
110°	13.2	13.2	13.2	13.2	13.2	13.2	14.8	14.8	14.8	14.8	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	13.2	13.2	13.2
115°	9.9	9.9	9.9	9.9	9.9	11.5	13.2	11.5	11.5	11.5	11.5
117.5°	8.2	8.2	8.2	9.9	9.9	9.9	11.5	9.9	9.9	9.9	11.5
120°	6.6	6.6	8.2	8.2	8.2	8.2	8.2	8.2	9.9	9.9	9.9
122.5°	6.6	6.6	6.6	6.6	6.6	8.2	8.2	8.2	8.2	8.2	9.9
125°	4.9	4.9	4.9	6.6	6.6	6.6	6.6	6.6	6.6	8.2	8.2
127.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.6	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8	917.8
2.5°	921.1	921.1	911.3	901.4	891.5	881.6	873.4	868.4	861.8	863.5	863.5
5°	929.4	924.4	903.0	889.8	875.0	861.8	848.6	837.1	833.8	832.2	825.6
7.5°	931.0	922.8	899.7	879.9	851.9	820.6	805.8	792.6	784.4	791.0	787.7
10°	919.5	909.6	883.2	853.6	814.0	787.7	764.6	751.4	744.8	746.5	744.8
12.5°	922.8	911.3	868.4	823.9	791.0	746.5	718.5	706.9	698.7	698.7	693.7
15°	936.0	916.2	855.2	809.1	754.7	716.8	683.9	675.6	672.3	669.0	664.1
17.5°	949.2	921.1	853.6	782.7	721.8	680.6	647.6	632.8	624.5	624.5	622.9
20°	965.6	931.0	843.7	754.7	690.4	636.1	596.5	583.3	576.7	575.1	571.8
22.5°	993.6	957.4	838.8	743.2	649.2	593.2	555.3	530.6	517.4	515.8	515.8
25°	1049.7	1005.2	848.6	711.9	621.2	548.7	502.6	477.9	463.0	463.0	461.4
27.5°	1138.7	1067.8	863.5	700.3	568.5	500.9	453.2	415.3	402.1	402.1	403.7
30°	1226.0	1163.4	901.4	675.6	538.8	438.3	380.7	352.6	336.2	329.6	331.2
32.5°	1329.8	1263.9	954.1	659.1	479.5	364.2	311.4	296.6	271.9	265.3	260.4
35°	1456.7	1361.1	1013.4	636.1	433.4	309.8	267.0	237.3	225.8	217.5	215.9
37.5°	1542.4	1458.3	1066.2	641.0	369.1	280.1	232.3	201.0	189.5	191.1	191.1
40°	1506.1	1408.9	1079.3	608.1	314.7	243.9	194.4	176.3	169.7	171.4	173.0
42.5°	1259.0	1207.9	893.1	543.8	260.4	196.1	163.1	163.1	168.1	163.1	163.1
45°	1176.6	1048.0	649.2	382.3	196.1	161.5	154.9	159.8	171.4	171.4	171.4
47.5°	1489.6	1344.6	581.7	319.7	219.2	181.3	168.1	159.8	161.5	159.8	159.8
50°	2089.5	1862.1	781.1	398.8	265.3	215.9	191.1	174.7	174.7	171.4	168.1
52.5°	2488.2	2249.3	950.8	499.3	332.9	252.1	219.2	189.5	179.6	173.0	171.4
55°	2735.4	2554.2	1097.5	639.4	433.4	299.9	243.9	212.6	197.7	184.6	182.9
57.5°	2786.5	2575.6	1194.7	767.9	558.6	393.8	280.1	235.6	225.8	204.3	201.0
60°	2661.3	2521.2	1232.6	851.9	667.4	519.1	365.8	273.5	252.1	237.3	234.0
62.5°	2573.9	2412.4	1219.4	879.9	734.9	622.9	481.2	336.2	275.2	276.8	291.7
65°	2427.3	2318.5	1122.2	838.8	731.6	657.5	540.5	388.9	283.4	280.1	298.3
67.5°	2259.2	2173.5	1025.0	748.1	674.0	609.7	502.6	370.8	268.6	252.1	253.8
70°	2043.3	1970.8	926.1	697.0	621.2	540.5	436.7	321.3	265.3	238.9	238.9
72.5°	1794.5	1708.8	843.7	659.1	593.2	519.1	418.6	309.8	285.1	275.2	283.4
75°	1530.8	1422.1	779.4	622.9	573.4	519.1	416.9	309.8	285.1	276.8	276.8
77.5°	1234.2	1170.0	710.2	565.2	533.9	494.4	383.9	288.4	280.1	276.8	276.8
80°	853.6	843.7	578.4	491.1	482.8	468.0	360.9	278.5	278.5	273.5	267.0
82.5°	524.0	499.3	413.6	367.5	395.5	416.9	327.9	262.0	255.4	250.5	247.2
85°	339.5	341.1	290.0	257.1	273.5	318.0	276.8	237.3	227.4	230.7	230.7
87.5°	260.4	268.6	227.4	209.3	206.0	215.9	217.5	212.6	206.0	201.0	202.7
90°	224.1	227.4	182.9	168.1	166.4	169.7	169.7	179.6	179.6	163.1	153.2
92.5°	187.9	192.8	151.6	136.8	136.8	141.7	145.0	145.0	131.8	107.1	95.6
95°	148.3	151.6	120.3	108.8	110.4	110.4	108.8	103.8	80.7	47.8	42.8
97.5°	103.8	105.5	89.0	82.4	84.0	80.7	70.9	64.3	49.4	28.0	26.4
100°	65.9	67.6	56.0	54.4	59.3	52.7	46.1	42.8	29.7	18.1	21.4
102.5°	39.5	39.5	34.6	33.0	36.3	31.3	28.0	23.1	18.1	11.5	14.8
105°	23.1	23.1	21.4	21.4	21.4	19.8	18.1	14.8	9.9	8.2	8.2
107.5°	18.1	18.1	16.5	16.5	14.8	14.8	13.2	9.9	6.6	4.9	4.9
110°	14.8	14.8	13.2	13.2	13.2	11.5	9.9	8.2	4.9	3.3	3.3



REPORT NUMBER: P691216
 CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.2	13.2	11.5	11.5	9.9	9.9	8.2	6.6	4.9	3.3	3.3
115°	11.5	11.5	9.9	8.2	8.2	8.2	6.6	4.9	3.3	1.6	3.3
117.5°	11.5	11.5	8.2	6.6	6.6	6.6	4.9	4.9	3.3	1.6	1.6
120°	9.9	9.9	6.6	6.6	4.9	4.9	4.9	3.3	1.6	1.6	1.6
122.5°	8.2	8.2	6.6	4.9	4.9	4.9	3.3	3.3	1.6	1.6	1.6
125°	8.2	8.2	4.9	4.9	4.9	3.3	3.3	3.3	1.6	0.0	0.0
127.5°	6.6	6.6	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0
130°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	1.6	1.6	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)