

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: P691308

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691308
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-D-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: 4402 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

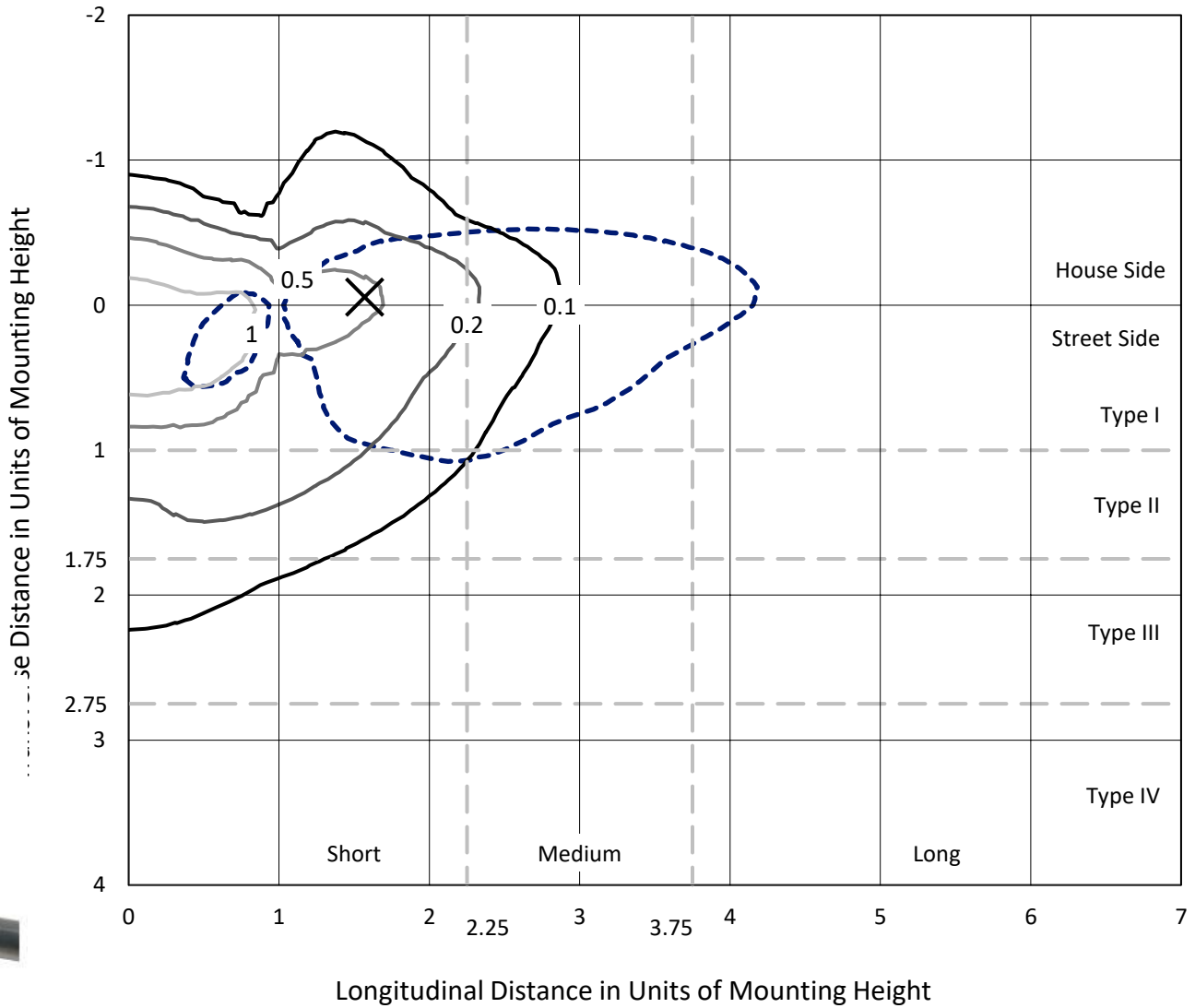
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

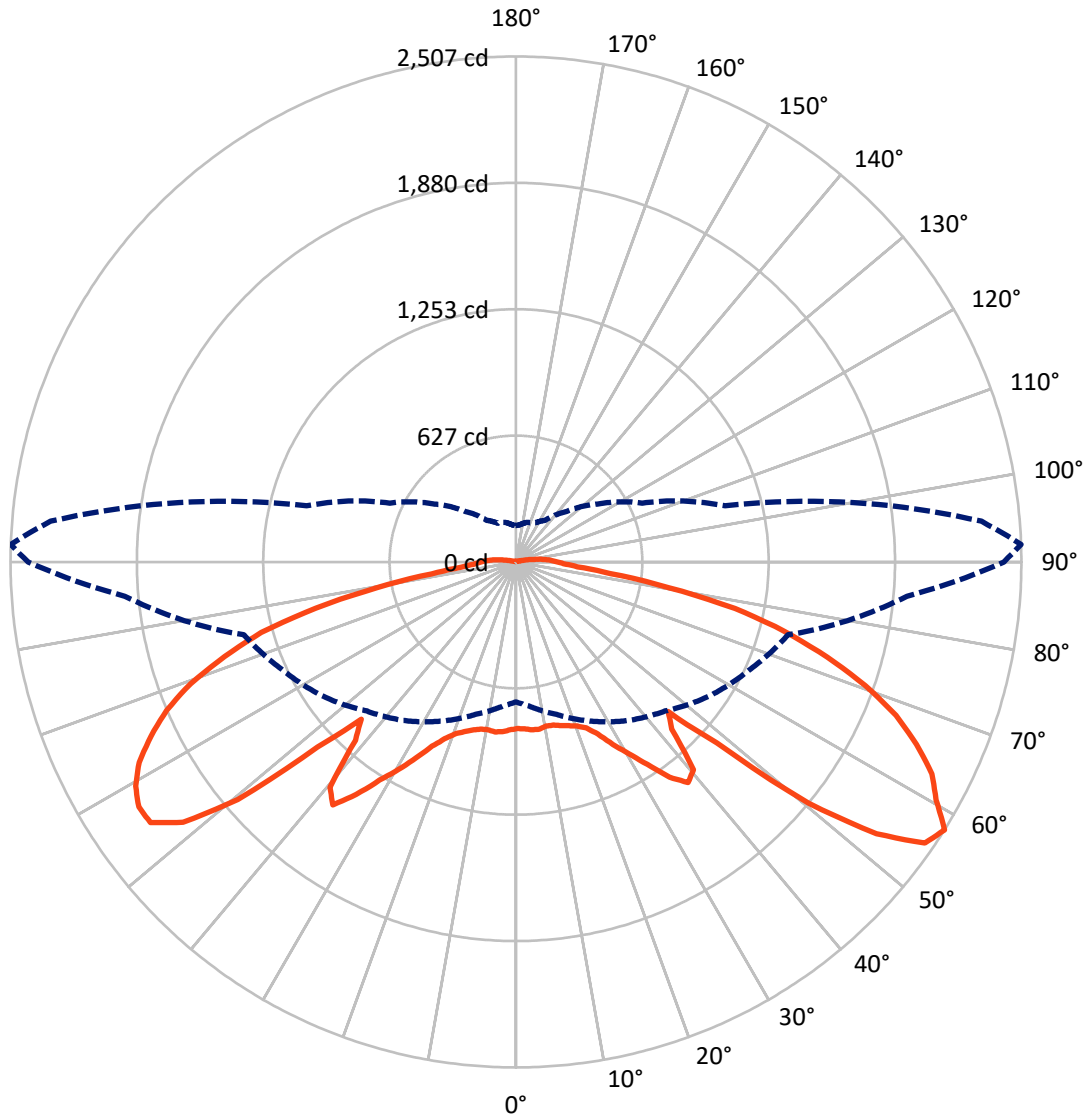
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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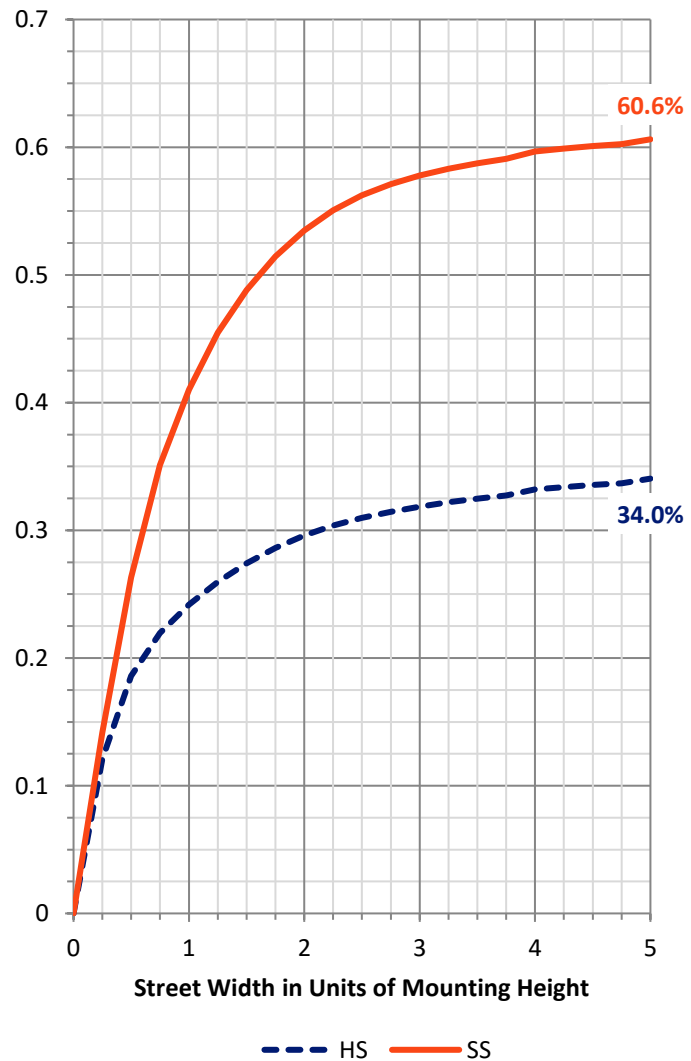
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1570.7	68.6	1639.3
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2706.7	56.0	2762.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	4277.4	124.6	4402.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.8
10°-20°	233.3	5.3
20°-30°	386.9	8.8
30°-40°	535.5	12.2
40°-50°	500.0	11.4
50°-60°	747.1	17.0
60°-70°	887.4	20.2
70°-80°	651.3	14.8
80°-90°	256.8	5.8
90°-100°	90.4	2.1
100°-110°	21.4	0.5
110°-120°	8.3	0.2
120°-130°	4.2	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°	4277.4	97.2
0°-180°	4402.0	100.0



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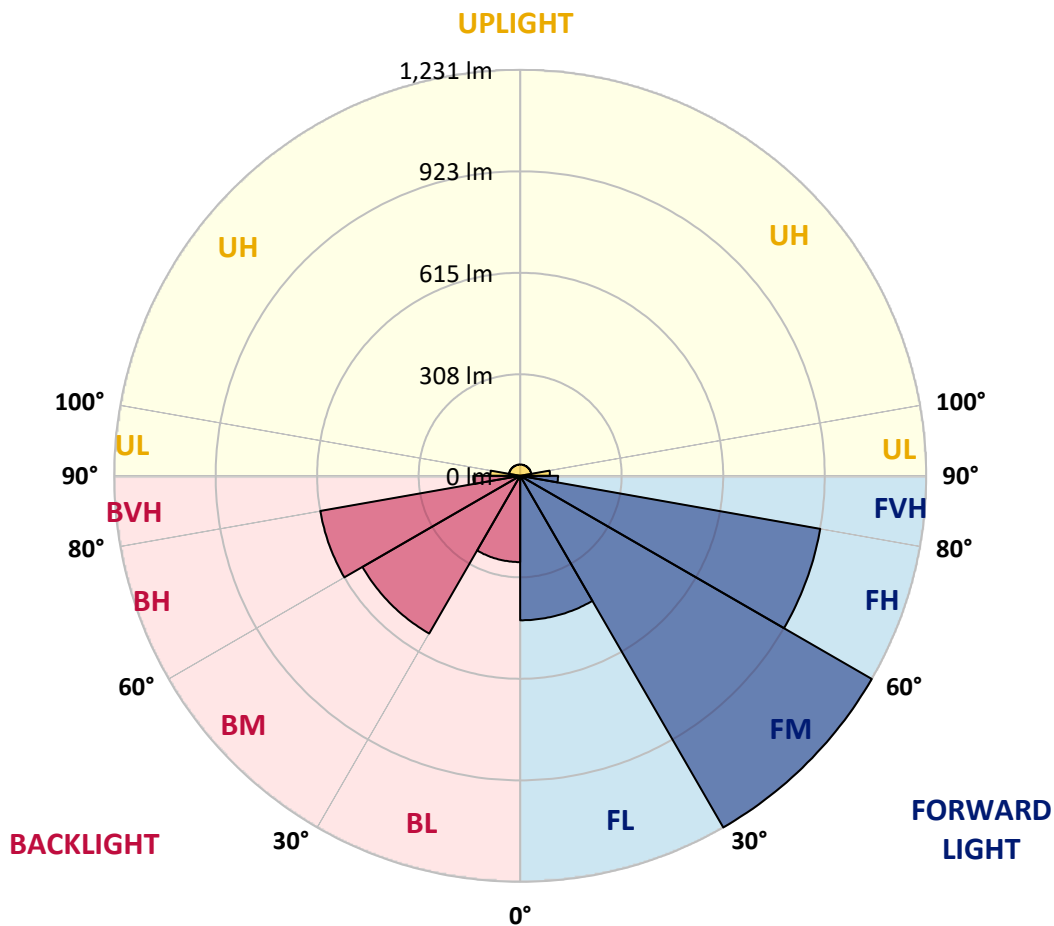
CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.9	9.9			
FM (30°-60°)	1230.6	28.0			
FH (60°-80°)	923.5	21.0			G1/1800
FVH (80°-90°)	114.8	2.6			G2/225
BL (0°-30°)	261.5	5.9	B1/500		
BM (30°-60°)	552.0	12.5	B1/1000		
BH (60°-80°)	615.3	14.0	B2/1000		G2/1000
BVH (80°-90°)	142.0	3.2			G2/225
UL (90°-100°)	90.4	2.1		U3/500	
UH (100°-180°)	34.2	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°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	861.3	855.4	856.9	855.4	852.4	849.5	846.5	843.5	839.1	834.6	831.7
5°	911.7	905.8	905.8	905.8	899.9	891.0	879.1	871.7	861.3	849.5	840.6
7.5°	945.8	941.4	939.9	938.4	931.0	925.1	911.7	888.0	871.7	856.9	843.5
10°	957.7	957.7	956.2	951.8	944.3	936.9	928.0	905.8	879.1	853.9	836.1
12.5°	979.9	982.9	978.4	971.0	968.1	959.2	945.8	928.0	898.4	859.8	839.1
15°	1014.0	1012.5	1006.6	1005.1	1002.2	991.8	979.9	957.7	923.6	874.7	850.9
17.5°	1028.8	1027.4	1027.4	1027.4	1027.4	1019.9	1018.5	993.3	957.7	898.4	868.7
20°	1031.8	1031.8	1036.3	1046.6	1048.1	1046.6	1054.0	1037.7	996.2	928.0	888.0
22.5°	1051.1	1052.6	1060.0	1070.4	1077.8	1080.7	1086.7	1094.1	1055.5	975.5	925.1
25°	1040.7	1048.1	1064.4	1080.7	1098.5	1108.9	1141.5	1166.7	1134.1	1045.2	977.0
27.5°	1022.9	1028.8	1061.5	1091.1	1131.1	1174.1	1221.6	1254.2	1234.9	1131.1	1060.0
30°	1039.2	1039.2	1060.0	1108.9	1160.8	1239.4	1309.0	1344.6	1335.7	1221.6	1156.3
32.5°	1005.1	1014.0	1058.5	1129.7	1208.2	1310.5	1381.7	1448.4	1457.3	1338.7	1233.4
35°	904.3	923.6	953.2	1046.6	1180.1	1358.0	1467.7	1552.2	1589.2	1472.1	1349.1
37.5°	747.2	754.6	816.8	910.2	1068.9	1245.3	1435.0	1641.1	1718.2	1572.9	1464.7
40°	659.7	664.2	704.2	785.7	919.1	1092.6	1252.7	1464.7	1525.5	1510.7	1408.4
42.5°	630.1	637.5	684.9	763.5	876.1	996.2	1037.7	1129.7	1105.9	1169.7	1202.3
45°	665.6	670.1	704.2	772.4	843.5	895.4	865.8	931.0	963.6	1089.6	1097.0
47.5°	690.8	693.8	730.9	816.8	828.7	830.2	870.2	908.8	999.2	1272.0	1393.5
50°	593.0	607.8	679.0	753.1	759.0	876.1	990.3	1067.4	1178.6	1675.2	1908.0
52.5°	550.0	557.4	634.5	763.5	849.5	985.9	1067.4	1144.5	1251.2	1850.1	2259.3
55°	603.4	615.2	707.1	850.9	936.9	1030.3	1132.6	1227.5	1332.8	1940.6	2416.4
57.5°	693.8	716.0	782.8	870.2	960.6	1045.2	1163.8	1273.5	1396.5	1946.5	2419.4
60°	873.2	856.9	819.8	858.4	945.8	1042.2	1178.6	1295.7	1432.1	1945.0	2351.2
62.5°	996.2	972.5	849.5	831.7	913.2	1011.1	1146.0	1292.7	1424.7	1879.8	2274.1
65°	972.5	956.2	861.3	796.1	855.4	960.6	1101.5	1274.9	1389.1	1810.1	2134.8
67.5°	839.1	819.8	779.8	754.6	784.2	907.3	1060.0	1239.4	1347.6	1730.1	1982.1
70°	684.9	674.5	661.2	687.9	724.9	840.6	984.4	1162.3	1269.0	1577.4	1819.0
72.5°	581.1	575.2	558.9	587.1	649.3	753.1	873.2	1051.1	1171.2	1371.3	1617.4
75°	489.2	490.7	481.8	499.6	539.6	641.9	736.8	910.2	1043.7	1177.1	1399.5
77.5°	401.8	397.3	406.2	416.6	443.3	517.4	581.1	732.3	891.0	934.0	1073.3
80°	293.5	300.9	317.3	315.8	338.0	370.6	413.6	493.7	625.6	668.6	722.0
82.5°	207.5	216.4	231.3	215.0	217.9	226.8	246.1	283.2	352.8	395.8	440.3
85°	146.8	151.2	154.2	142.3	142.3	148.2	161.6	188.3	231.3	258.0	281.7
87.5°	106.7	108.2	114.2	108.2	109.7	112.7	124.5	142.3	177.9	197.2	216.4
90°	81.5	81.5	84.5	83.0	86.0	91.9	103.8	118.6	145.3	169.0	186.8
92.5°	59.3	59.3	62.3	63.7	65.2	72.6	83.0	94.9	112.7	142.3	160.1
95°	46.0	46.0	48.9	48.9	50.4	56.3	65.2	77.1	90.4	111.2	127.5
97.5°	34.1	34.1	37.1	37.1	38.5	43.0	50.4	57.8	69.7	83.0	90.4
100°	26.7	26.7	28.2	28.2	29.6	34.1	38.5	43.0	46.0	53.4	56.3
102.5°	22.2	22.2	22.2	22.2	22.2	25.2	26.7	26.7	28.2	32.6	34.1
105°	17.8	17.8	17.8	16.3	16.3	17.8	17.8	17.8	19.3	19.3	20.8
107.5°	13.3	13.3	13.3	13.3	13.3	14.8	14.8	14.8	14.8	16.3	16.3
110°	11.9	11.9	11.9	11.9	11.9	11.9	13.3	13.3	13.3	13.3	13.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	10.4	10.4	10.4	10.4	11.9	11.9	11.9	11.9	11.9
115°	8.9	8.9	8.9	8.9	8.9	10.4	11.9	10.4	10.4	10.4	10.4
117.5°	7.4	7.4	7.4	8.9	8.9	8.9	10.4	8.9	8.9	8.9	10.4
120°	5.9	5.9	7.4	7.4	7.4	7.4	7.4	7.4	8.9	8.9	8.9
122.5°	5.9	5.9	5.9	5.9	5.9	7.4	7.4	7.4	7.4	7.4	8.9
125°	4.4	4.4	4.4	5.9	5.9	5.9	5.9	5.9	5.9	7.4	7.4
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9	5.9
130°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
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°	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7	825.7
2.5°	828.7	828.7	819.8	810.9	802.0	793.1	785.7	781.3	775.3	776.8	776.8
5°	836.1	831.7	812.4	800.5	787.2	775.3	763.5	753.1	750.1	748.7	742.7
7.5°	837.6	830.2	809.4	791.6	766.4	738.3	724.9	713.1	705.7	711.6	708.6
10°	827.2	818.3	794.6	767.9	732.3	708.6	687.9	676.0	670.1	671.6	670.1
12.5°	830.2	819.8	781.3	741.2	711.6	671.6	646.4	636.0	628.6	628.6	624.1
15°	842.1	824.3	769.4	727.9	679.0	644.9	615.2	607.8	604.9	601.9	597.4
17.5°	853.9	828.7	767.9	704.2	649.3	612.3	582.6	569.3	561.9	561.9	560.4
20°	868.7	837.6	759.0	679.0	621.2	572.2	536.7	524.8	518.9	517.4	514.4
22.5°	893.9	861.3	754.6	668.6	584.1	533.7	499.6	477.4	465.5	464.0	464.0
25°	944.3	904.3	763.5	640.4	558.9	493.7	452.2	429.9	416.6	416.6	415.1
27.5°	1024.4	960.6	776.8	630.1	511.5	450.7	407.7	373.6	361.7	361.7	363.2
30°	1103.0	1046.6	810.9	607.8	484.8	394.3	342.5	317.3	302.4	296.5	298.0
32.5°	1196.4	1137.1	858.4	593.0	431.4	327.6	280.2	266.8	244.6	238.7	234.2
35°	1310.5	1224.5	911.7	572.2	389.9	278.7	240.2	213.5	203.1	195.7	194.2
37.5°	1387.6	1312.0	959.2	576.7	332.1	252.0	209.0	180.9	170.5	172.0	172.0
40°	1355.0	1267.5	971.0	547.0	283.2	219.4	174.9	158.6	152.7	154.2	155.7
42.5°	1132.6	1086.7	803.5	489.2	234.2	176.4	146.8	146.8	151.2	146.8	146.8
45°	1058.5	942.9	584.1	343.9	176.4	145.3	139.4	143.8	154.2	154.2	154.2
47.5°	1340.2	1209.7	523.3	287.6	197.2	163.1	151.2	143.8	145.3	143.8	143.8
50°	1879.8	1675.2	702.7	358.8	238.7	194.2	172.0	157.1	157.1	154.2	151.2
52.5°	2238.6	2023.6	855.4	449.2	299.5	226.8	197.2	170.5	161.6	155.7	154.2
55°	2460.9	2297.9	987.3	575.2	389.9	269.8	219.4	191.2	177.9	166.0	164.6
57.5°	2506.9	2317.1	1074.8	690.8	502.6	354.3	252.0	212.0	203.1	183.8	180.9
60°	2394.2	2268.2	1108.9	766.4	600.4	467.0	329.1	246.1	226.8	213.5	210.5
62.5°	2315.6	2170.4	1097.0	791.6	661.2	560.4	432.9	302.4	247.6	249.1	262.4
65°	2183.7	2085.9	1009.6	754.6	658.2	591.5	486.3	349.9	255.0	252.0	268.3
67.5°	2032.5	1955.4	922.1	673.0	606.3	548.5	452.2	333.6	241.6	226.8	228.3
70°	1838.3	1773.1	833.2	627.1	558.9	486.3	392.9	289.1	238.7	215.0	215.0
72.5°	1614.4	1537.3	759.0	593.0	533.7	467.0	376.6	278.7	256.5	247.6	255.0
75°	1377.2	1279.4	701.2	560.4	515.9	467.0	375.1	278.7	256.5	249.1	249.1
77.5°	1110.4	1052.6	639.0	508.5	480.3	444.7	345.4	259.4	252.0	249.1	249.1
80°	767.9	759.0	520.4	441.8	434.4	421.0	324.7	250.5	250.5	246.1	240.2
82.5°	471.4	449.2	372.1	330.6	355.8	375.1	295.0	235.7	229.8	225.3	222.4
85°	305.4	306.9	260.9	231.3	246.1	286.1	249.1	213.5	204.6	207.5	207.5
87.5°	234.2	241.6	204.6	188.3	185.3	194.2	195.7	191.2	185.3	180.9	182.3
90°	201.6	204.6	164.6	151.2	149.7	152.7	152.7	161.6	161.6	146.8	137.9
92.5°	169.0	173.5	136.4	123.0	123.0	127.5	130.5	130.5	118.6	96.4	86.0
95°	133.4	136.4	108.2	97.8	99.3	99.3	97.8	93.4	72.6	43.0	38.5
97.5°	93.4	94.9	80.1	74.1	75.6	72.6	63.7	57.8	44.5	25.2	23.7
100°	59.3	60.8	50.4	48.9	53.4	47.4	41.5	38.5	26.7	16.3	19.3
102.5°	35.6	35.6	31.1	29.6	32.6	28.2	25.2	20.8	16.3	10.4	13.3
105°	20.8	20.8	19.3	19.3	19.3	17.8	16.3	13.3	8.9	7.4	7.4
107.5°	16.3	16.3	14.8	14.8	13.3	13.3	11.9	8.9	5.9	4.4	4.4
110°	13.3	13.3	11.9	11.9	11.9	10.4	8.9	7.4	4.4	3.0	3.0



REPORT NUMBER: P691308
 CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	11.9	10.4	10.4	8.9	8.9	7.4	5.9	4.4	3.0	3.0
115°	10.4	10.4	8.9	7.4	7.4	7.4	5.9	4.4	3.0	1.5	3.0
117.5°	10.4	10.4	7.4	5.9	5.9	5.9	4.4	4.4	3.0	1.5	1.5
120°	8.9	8.9	5.9	5.9	4.4	4.4	4.4	3.0	1.5	1.5	1.5
122.5°	7.4	7.4	5.9	4.4	4.4	4.4	3.0	3.0	1.5	1.5	1.5
125°	7.4	7.4	4.4	4.4	4.4	3.0	3.0	3.0	1.5	0.0	0.0
127.5°	5.9	5.9	4.4	4.4	3.0	3.0	3.0	1.5	1.5	0.0	0.0
130°	4.4	4.4	4.4	4.4	3.0	3.0	3.0	1.5	1.5	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)