

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: P691340

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691340
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-D-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: 4478 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

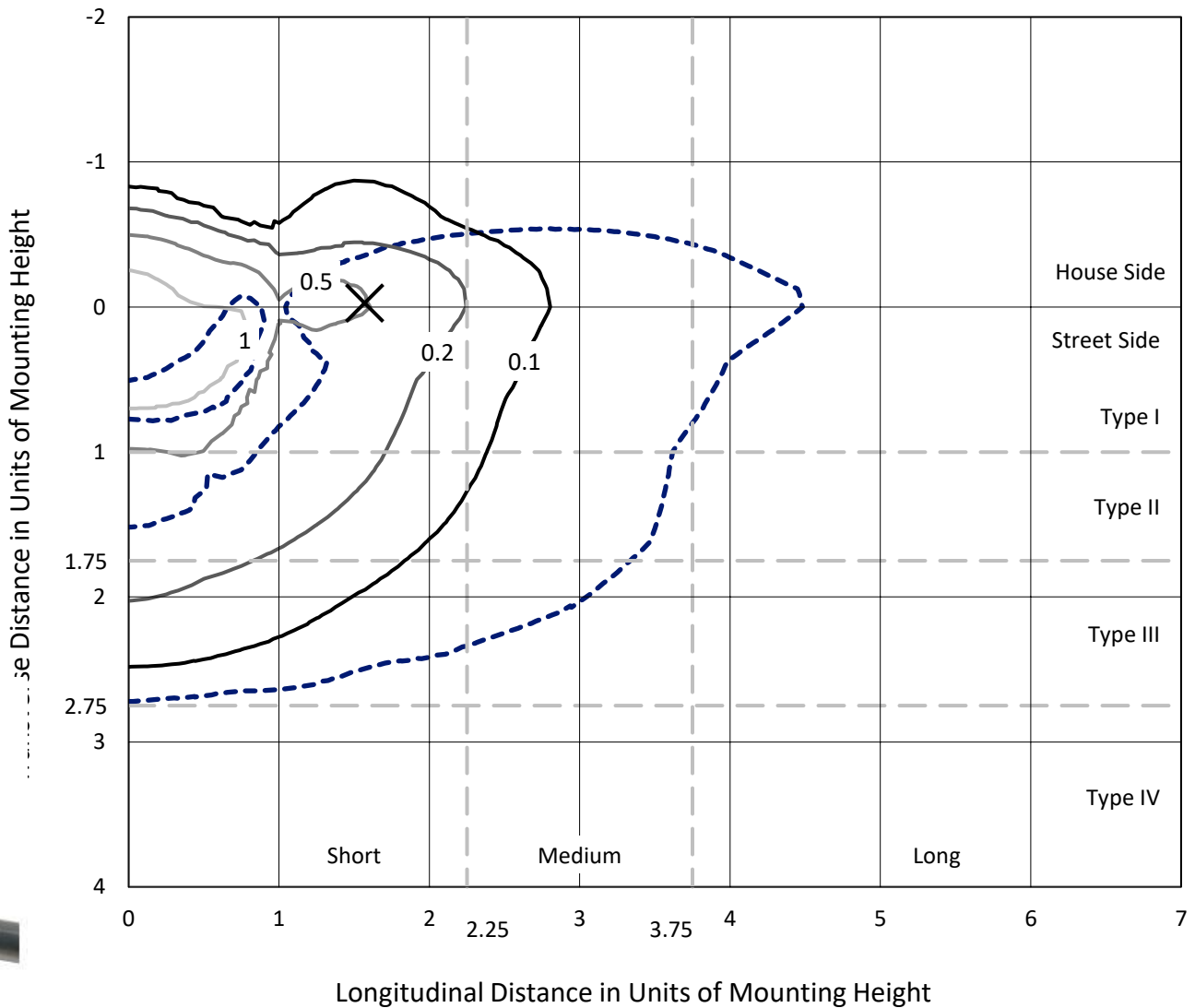
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

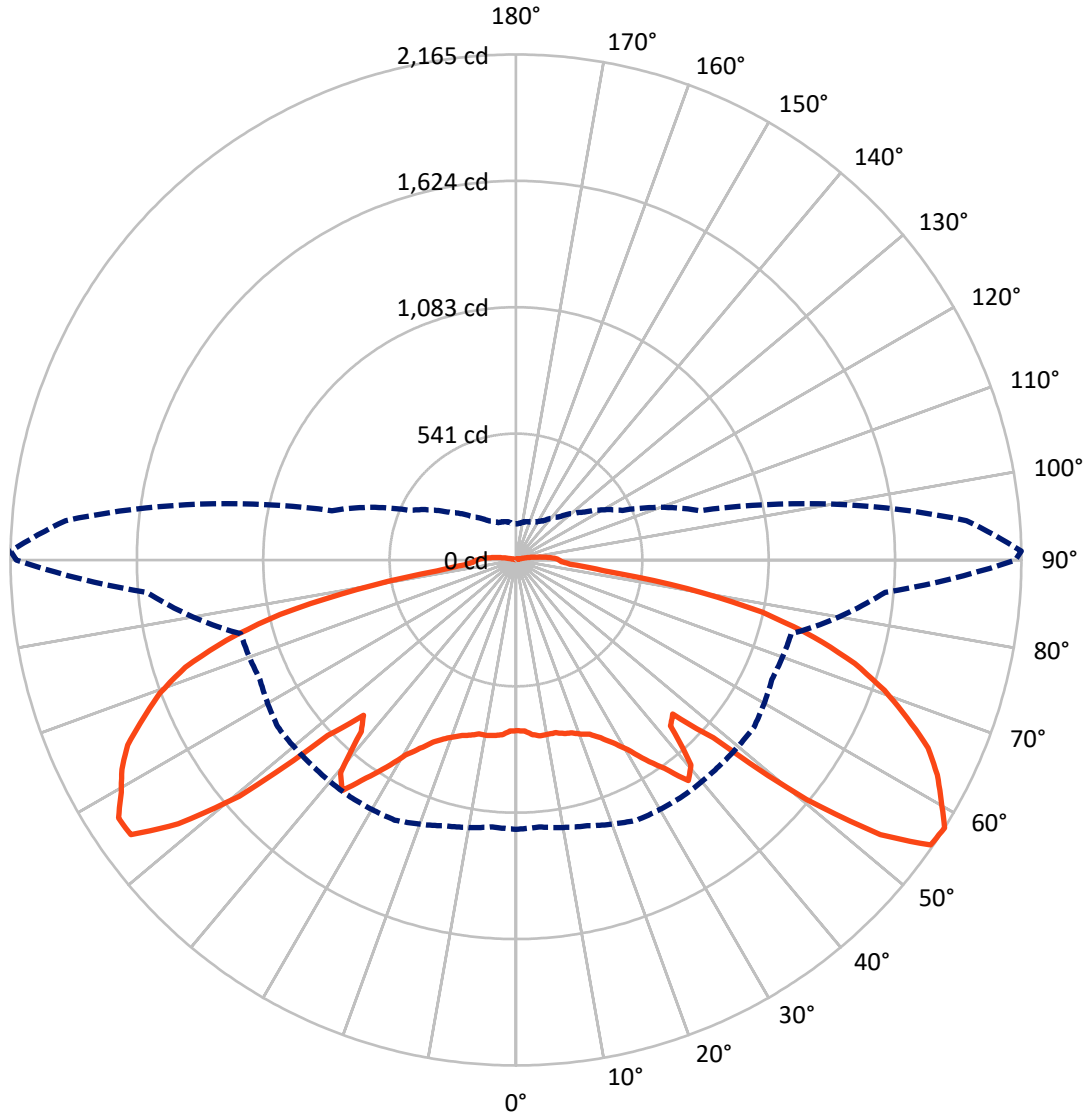
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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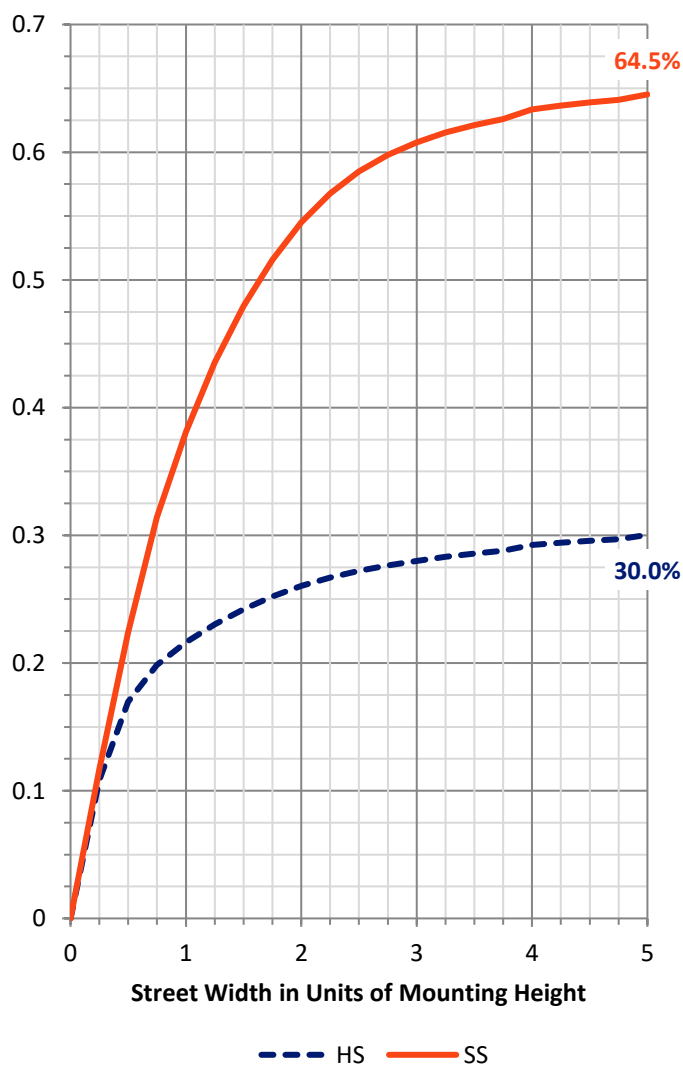
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1421.4	69.1	1490.5
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	2928.3	59.1	2987.5
	% Fixture	65.4	1.3	66.7
Total	Lumens	4349.7	128.2	4478.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.6
10°-20°	217.6	4.9
20°-30°	370.0	8.3
30°-40°	520.6	11.6
40°-50°	494.4	11.0
50°-60°	740.6	16.5
60°-70°	958.4	21.4
70°-80°	725.3	16.2
80°-90°	251.2	5.6
90°-100°	94.3	2.1
100°-110°	22.1	0.5
110°-120°	7.6	0.2
120°-130°	3.9	0.1
130°-140°	0.3	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°	4349.7	97.1
0°-180°	4478.0	100.0

Coefficient of Utilization

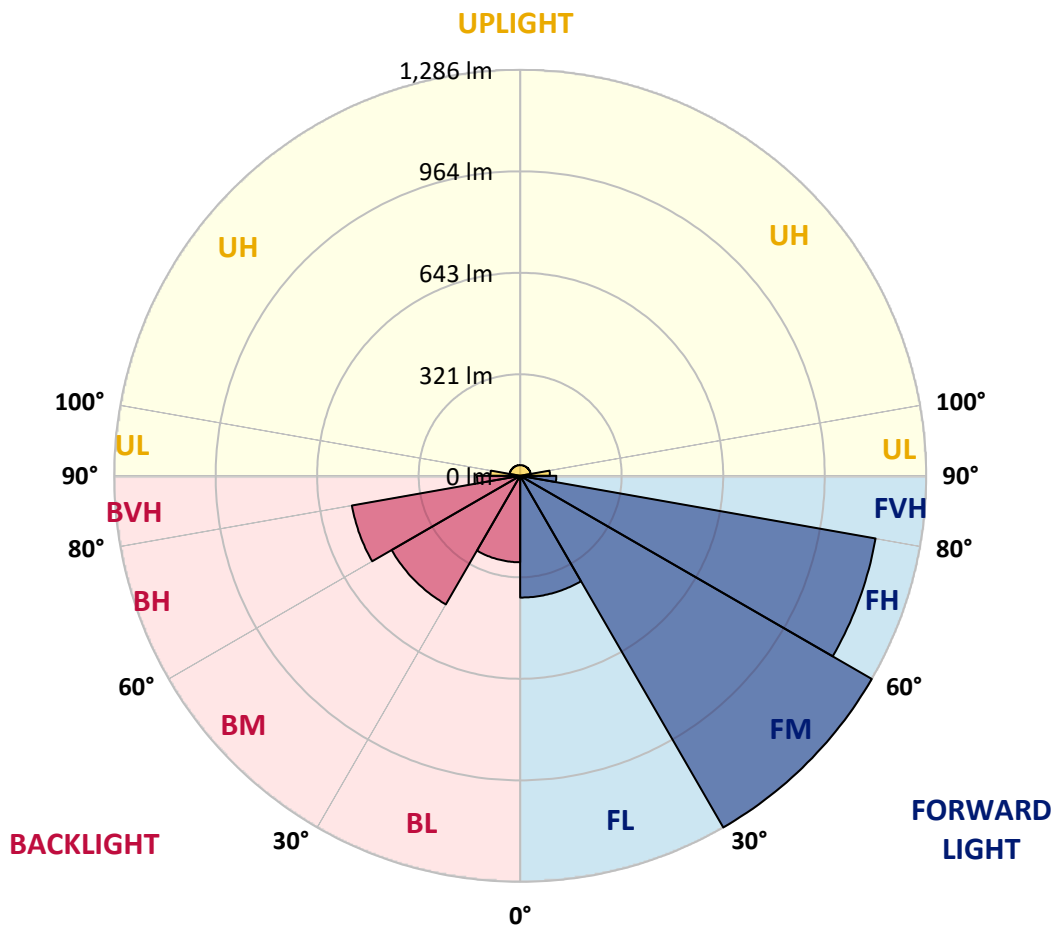


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.5	8.6			
FM (30°-60°)	1285.5	28.7			
FH (60°-80°)	1142.7	25.5			G1/1800
FVH (80°-90°)	114.6	2.6			G2/225
BL (0°-30°)	273.6	6.1	B1/500		
BM (30°-60°)	470.1	10.5	B1/1000		
BH (60°-80°)	541.0	12.1	B2/1000		G2/1000
BVH (80°-90°)	136.7	3.1			G2/225
UL (90°-100°)	94.3	2.1		U3/500	
UH (100°-180°)	33.9	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°	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1
2.5°	717.8	717.8	717.8	719.3	723.7	726.7	728.2	726.7	728.2	731.1	734.1
5°	738.5	737.1	735.6	732.6	731.1	731.1	732.6	732.6	735.6	746.0	751.9
7.5°	757.8	754.8	753.4	753.4	751.9	744.5	743.0	738.5	737.1	750.4	759.3
10°	793.4	790.4	781.5	771.2	768.2	759.3	746.0	743.0	744.5	759.3	762.3
12.5°	826.0	824.5	818.6	808.2	793.4	784.5	765.2	756.3	757.8	766.7	760.8
15°	880.9	875.0	857.2	848.3	833.4	817.1	791.9	781.5	784.5	777.1	774.1
17.5°	913.5	909.1	909.1	892.8	882.4	854.2	830.5	811.2	818.6	799.3	783.0
20°	943.2	943.2	944.7	947.6	928.4	906.1	873.5	849.8	851.2	823.1	799.3
22.5°	989.2	984.7	989.2	993.6	980.3	961.0	920.9	897.2	886.8	851.2	820.1
25°	1036.6	1033.7	1033.7	1045.5	1050.0	1020.3	983.2	958.0	943.2	891.3	849.8
27.5°	1084.1	1085.6	1090.0	1094.5	1101.9	1087.0	1050.0	1030.7	1011.4	938.7	897.2
30°	1122.6	1119.7	1138.9	1149.3	1156.7	1162.7	1121.2	1100.4	1079.6	999.5	950.6
32.5°	1165.6	1165.6	1183.4	1202.7	1213.1	1225.0	1190.9	1177.5	1155.3	1072.2	1039.6
35°	1201.2	1201.2	1227.9	1260.6	1279.8	1288.7	1270.9	1269.5	1265.0	1171.6	1124.1
37.5°	1081.1	1095.9	1137.5	1202.7	1276.9	1336.2	1340.6	1370.3	1385.1	1284.3	1223.5
40°	943.2	947.6	996.6	1054.4	1124.1	1198.3	1269.5	1356.9	1346.6	1225.0	1171.6
42.5°	849.8	861.6	923.9	968.4	1014.4	1060.3	1060.3	1057.4	983.2	1005.5	984.7
45°	840.9	843.8	895.7	962.5	980.3	916.5	827.5	778.6	784.5	892.8	941.7
47.5°	932.8	937.3	990.6	1054.4	990.6	877.9	790.4	783.0	778.6	969.9	1136.0
50°	981.7	984.7	1035.1	1067.8	968.4	966.9	968.4	941.7	918.0	1272.4	1629.8
52.5°	1011.4	1014.4	1011.4	1052.9	1018.8	1097.4	1070.7	1026.2	1008.4	1474.1	1924.9
55°	932.8	952.1	1032.2	1141.9	1144.9	1171.6	1161.2	1121.2	1119.7	1549.7	2145.9
57.5°	1153.8	1147.8	1179.0	1229.4	1238.3	1239.8	1245.7	1210.1	1220.5	1588.3	2140.0
60°	1306.5	1290.2	1257.6	1281.3	1291.7	1308.0	1328.8	1288.7	1300.6	1622.4	2046.5
62.5°	1450.4	1425.2	1299.1	1294.7	1311.0	1343.6	1373.3	1342.1	1352.5	1634.3	1981.3
65°	1429.6	1407.4	1312.5	1260.6	1284.3	1328.8	1370.3	1355.5	1352.5	1609.1	1901.2
67.5°	1232.4	1233.9	1223.5	1223.5	1214.6	1278.3	1345.1	1346.6	1331.7	1545.3	1781.1
70°	1058.9	1052.9	1069.2	1131.5	1140.4	1216.1	1305.0	1319.9	1300.6	1474.1	1665.4
72.5°	901.7	897.2	900.2	952.1	1026.2	1109.3	1210.1	1245.7	1217.5	1346.6	1524.5
75°	746.0	741.5	740.0	757.8	817.1	920.9	1036.6	1100.4	1076.7	1161.2	1318.4
77.5°	566.5	557.6	557.6	563.5	608.0	701.5	812.7	901.7	889.8	935.8	1063.3
80°	376.7	378.2	375.2	373.7	403.4	458.2	539.8	646.6	640.7	640.7	705.9
82.5°	238.8	238.8	243.2	228.4	225.4	231.3	250.6	293.6	296.6	324.8	347.0
85°	152.7	154.2	154.2	139.4	135.0	139.4	152.7	166.1	172.0	200.2	225.4
87.5°	111.2	111.2	108.3	105.3	106.8	111.2	121.6	133.5	143.9	166.1	188.3
90°	84.5	84.5	83.0	81.6	84.5	90.5	103.8	117.2	130.5	155.7	176.5
92.5°	69.7	69.7	68.2	68.2	69.7	74.2	86.0	100.8	114.2	135.0	154.2
95°	57.8	59.3	57.8	59.3	60.8	63.8	71.2	83.0	91.9	105.3	118.6
97.5°	46.0	47.5	47.5	47.5	48.9	53.4	57.8	65.3	71.2	77.1	86.0
100°	34.1	35.6	35.6	35.6	37.1	41.5	46.0	48.9	50.4	51.9	56.4
102.5°	25.2	26.7	26.7	26.7	26.7	29.7	31.1	32.6	32.6	32.6	34.1
105°	17.8	17.8	17.8	17.8	17.8	17.8	19.3	19.3	19.3	19.3	19.3
107.5°	13.3	13.3	13.3	13.3	13.3	13.3	14.8	14.8	14.8	14.8	14.8
110°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	13.3	11.9	11.9	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	10.4	10.4	10.4
115°	8.9	8.9	8.9	8.9	8.9	8.9	10.4	10.4	8.9	8.9	8.9
117.5°	7.4	7.4	7.4	7.4	7.4	7.4	8.9	8.9	7.4	8.9	8.9
120°	7.4	8.9	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	8.9
122.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.4	7.4
125°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1	731.1
2.5°	734.1	737.1	743.0	748.9	754.8	760.8	763.7	765.2	766.7	763.7	765.2
5°	751.9	754.8	763.7	772.6	771.2	766.7	760.8	760.8	762.3	762.3	765.2
7.5°	760.8	765.2	762.3	763.7	766.7	762.3	756.3	748.9	740.0	740.0	741.5
10°	759.3	754.8	759.3	754.8	744.5	743.0	740.0	729.6	723.7	725.2	725.2
12.5°	759.3	757.8	748.9	744.5	735.6	719.3	711.8	714.8	707.4	708.9	705.9
15°	771.2	760.8	748.9	734.1	714.8	705.9	695.5	679.2	677.7	677.7	677.7
17.5°	778.6	771.2	744.5	714.8	701.5	679.2	667.4	662.9	651.0	655.5	658.5
20°	796.4	778.6	740.0	708.9	662.9	649.6	630.3	625.8	619.9	602.1	596.2
22.5°	811.2	794.9	735.6	680.7	642.1	611.0	581.3	560.6	550.2	542.8	536.8
25°	843.8	818.6	740.0	667.4	608.0	568.0	541.3	504.2	479.0	476.0	479.0
27.5°	886.8	846.8	750.4	649.6	581.3	519.1	465.7	440.5	413.8	404.9	406.3
30°	941.7	888.3	748.9	633.2	533.9	462.7	394.5	351.5	330.7	321.8	320.3
32.5°	1020.3	946.2	783.0	612.5	490.9	384.1	309.9	256.6	246.2	244.7	243.2
35°	1097.4	1039.6	799.3	581.3	428.6	308.5	234.3	201.7	200.2	198.7	197.2
37.5°	1199.7	1131.5	845.3	562.1	369.3	232.8	188.3	164.6	160.2	152.7	155.7
40°	1153.8	1097.4	858.7	532.4	286.2	172.0	140.9	121.6	118.6	120.1	118.6
42.5°	971.4	929.8	748.9	458.2	197.2	126.1	105.3	108.3	114.2	118.6	118.6
45°	941.7	860.1	539.8	324.8	127.5	105.3	102.3	106.8	117.2	127.5	129.0
47.5°	1137.5	1033.7	473.1	250.6	146.8	120.1	109.7	109.7	115.7	117.2	115.7
50°	1612.0	1454.8	553.2	287.7	182.4	145.3	126.1	118.6	121.6	124.6	123.1
52.5°	1954.6	1757.4	630.3	344.1	228.4	173.5	148.3	130.5	127.5	127.5	126.1
55°	2154.8	1930.9	720.7	424.1	286.2	209.1	172.0	151.3	143.9	137.9	137.9
57.5°	2165.2	1936.8	815.7	502.7	357.4	261.0	204.7	176.5	170.5	157.2	154.2
60°	2092.5	1911.6	888.3	581.3	425.6	333.7	261.0	219.5	212.1	204.7	200.2
62.5°	2025.8	1870.1	923.9	646.6	498.3	415.2	332.2	274.4	250.6	259.5	265.5
65°	1939.8	1824.1	900.2	652.5	530.9	464.2	384.1	299.6	259.5	278.8	289.2
67.5°	1807.8	1704.0	840.9	599.1	495.3	434.5	360.4	281.8	250.6	258.0	258.0
70°	1674.3	1563.1	783.0	557.6	446.4	382.6	312.9	252.1	247.7	243.2	243.2
72.5°	1517.1	1385.1	707.4	532.4	427.1	372.2	304.0	253.6	265.5	271.4	271.4
75°	1318.4	1171.6	627.3	510.2	418.2	379.6	305.5	272.9	293.6	296.6	296.6
77.5°	1079.6	919.5	533.9	470.1	393.0	364.8	284.7	268.4	289.2	293.6	295.1
80°	743.0	651.0	447.9	409.3	351.5	327.7	262.5	261.0	281.8	292.2	293.6
82.5°	376.7	370.8	326.3	321.8	299.6	286.2	243.2	253.6	275.8	290.7	292.2
85°	232.8	241.7	218.0	215.0	222.5	228.4	221.0	241.7	258.0	274.4	277.3
87.5°	194.3	204.7	182.4	173.5	176.5	186.9	195.8	218.0	232.8	246.2	247.7
90°	182.4	191.3	155.7	148.3	154.2	161.6	167.6	179.4	191.3	198.7	198.7
92.5°	160.2	163.1	129.0	123.1	132.0	136.4	135.0	137.9	137.9	123.1	123.1
95°	123.1	123.1	97.9	97.9	105.3	106.8	96.4	87.5	81.6	48.9	41.5
97.5°	89.0	87.5	71.2	71.2	77.1	75.6	63.8	53.4	44.5	28.2	29.7
100°	59.3	57.8	47.5	50.4	53.4	47.5	40.0	32.6	26.7	17.8	20.8
102.5°	35.6	34.1	31.1	32.6	31.1	29.7	23.7	19.3	16.3	10.4	11.9
105°	20.8	19.3	19.3	19.3	19.3	17.8	16.3	11.9	8.9	5.9	5.9
107.5°	14.8	14.8	14.8	13.3	13.3	11.9	10.4	8.9	5.9	4.4	3.0
110°	13.3	11.9	11.9	11.9	10.4	10.4	8.9	7.4	4.4	3.0	3.0



REPORT NUMBER: P691340
 CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	10.4	10.4	8.9	8.9	7.4	5.9	5.9	4.4	1.5	1.5
115°	8.9	8.9	7.4	7.4	5.9	5.9	4.4	4.4	3.0	1.5	1.5
117.5°	8.9	8.9	5.9	5.9	4.4	4.4	4.4	3.0	1.5	1.5	1.5
120°	8.9	7.4	5.9	4.4	4.4	4.4	3.0	3.0	1.5	0.0	1.5
122.5°	7.4	7.4	4.4	4.4	3.0	3.0	3.0	1.5	1.5	0.0	0.0
125°	5.9	5.9	4.4	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0
127.5°	5.9	5.9	4.4	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0
130°	4.4	4.4	3.0	3.0	3.0	3.0	1.5	1.5	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)