

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: P691307

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3735 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

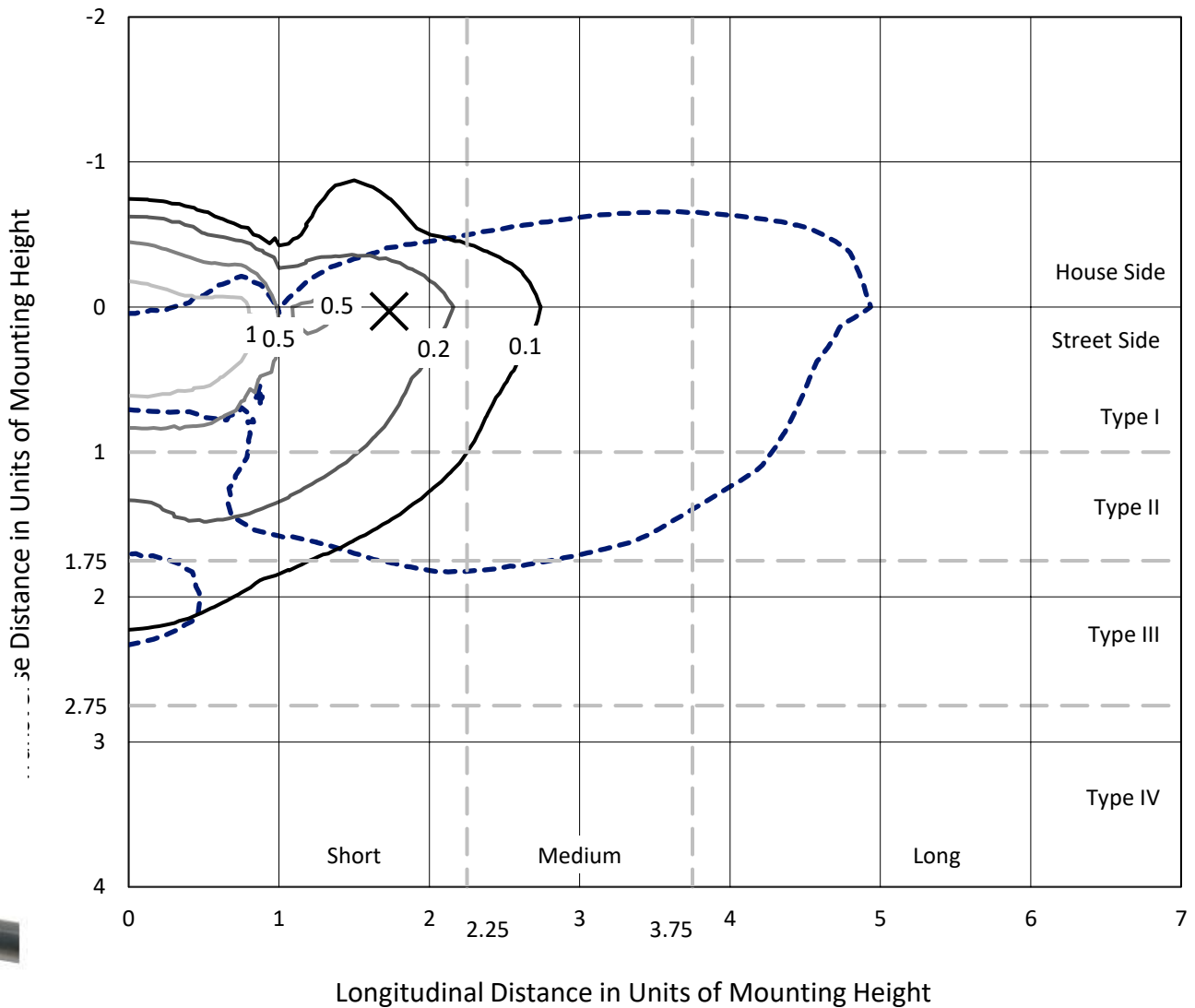
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

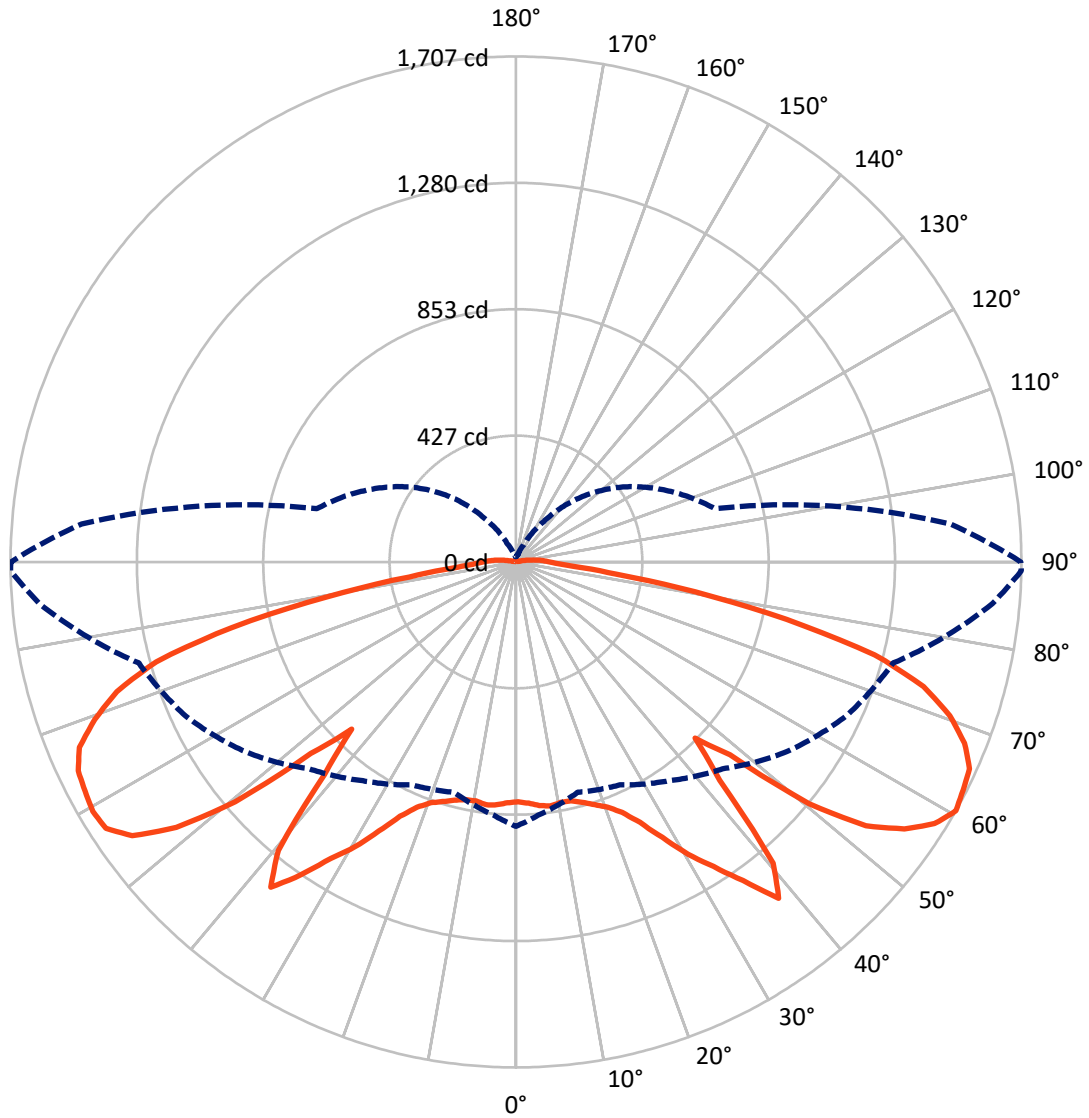
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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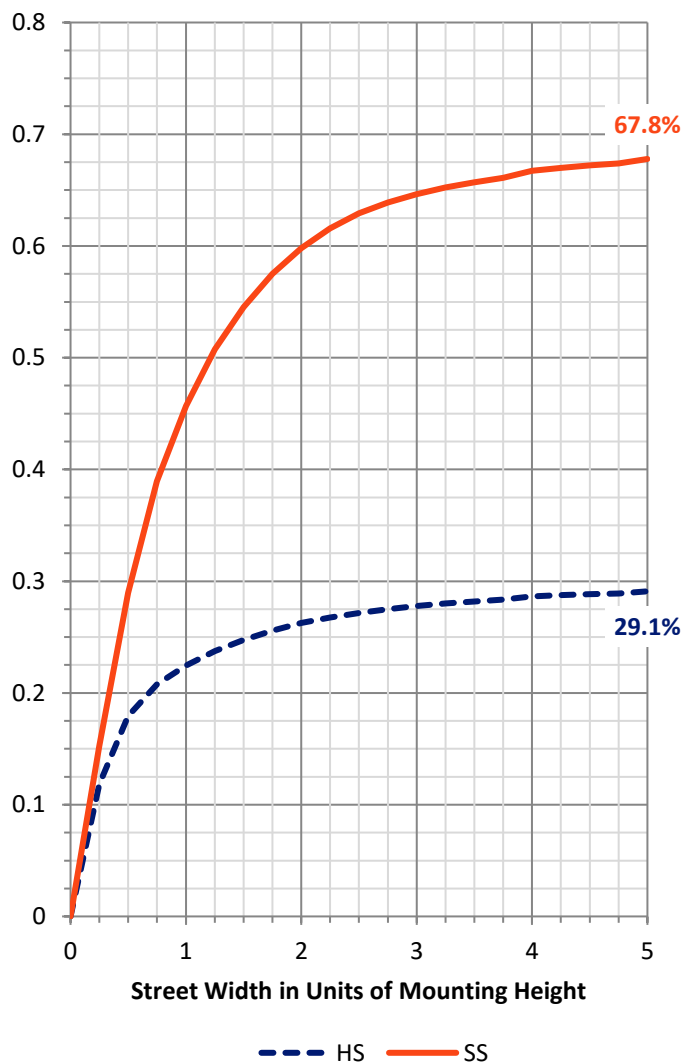
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1108.8	20.8	1129.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2565.3	40.1	2605.4
	% Fixture	68.7	1.1	69.8
Total	Lumens	3674.1	60.9	3735.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.1
10°-20°	229.7	6.2
20°-30°	379.2	10.2
30°-40°	514.4	13.8
40°-50°	428.4	11.5
50°-60°	593.3	15.9
60°-70°	731.3	19.6
70°-80°	553.7	14.8
80°-90°	166.2	4.4
90°-100°	43.1	1.2
100°-110°	9.8	0.3
110°-120°	4.6	0.1
120°-130°	3.1	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°	3674.1	98.4
0°-180°	3735.0	100.0

Coefficient of Utilization



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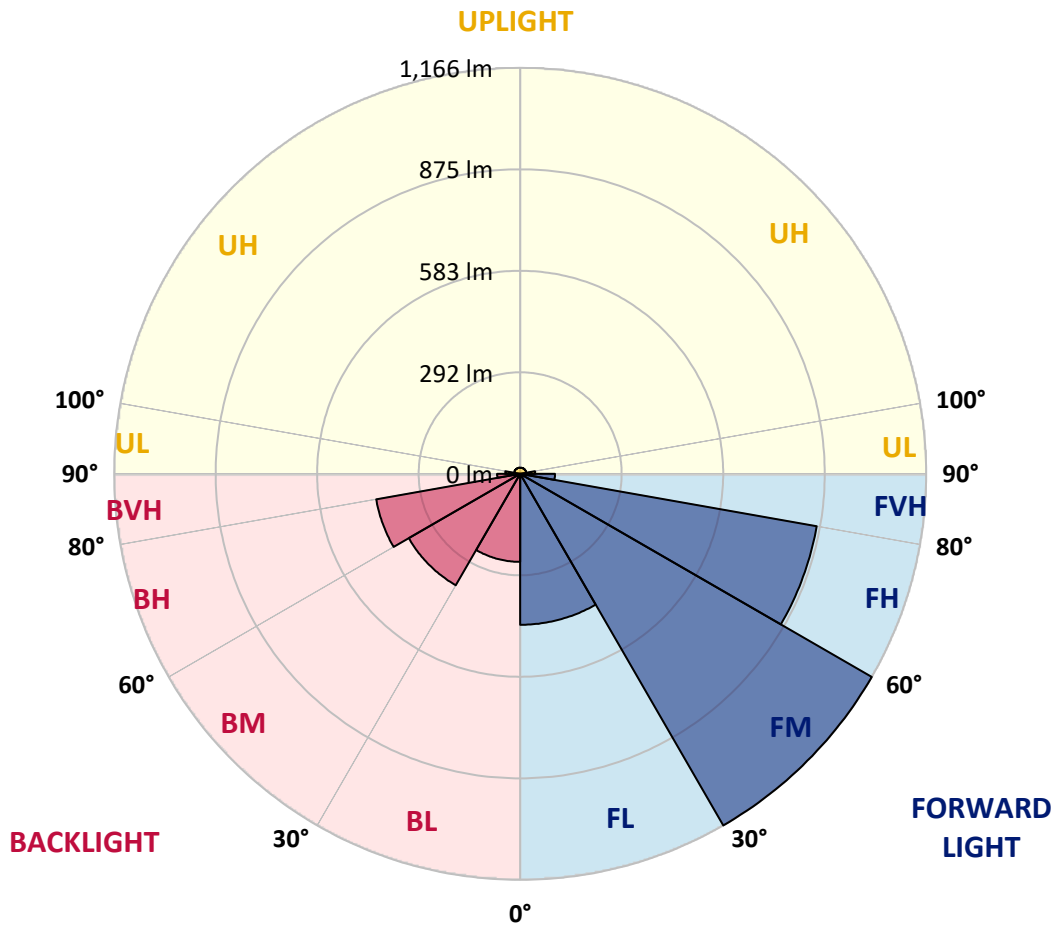
CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.8	11.6			
FM (30°-60°)	1166.5	31.2			
FH (60°-80°)	865.0	23.2			G1/1800
FVH (80°-90°)	99.9	2.7			G1/100
BL (0°-30°)	252.9	6.8	B1/500		
BM (30°-60°)	369.7	9.9	B1/1000		
BH (60°-80°)	420.0	11.2	B1/500		G1/500
BVH (80°-90°)	66.2	1.8			G1/100
UL (90°-100°)	43.1	1.2		U2/50	
UH (100°-180°)	17.9	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5
2.5°	849.6	845.1	845.1	845.1	836.2	836.2	830.3	827.3	821.4	816.9	816.9	815.5
5°	898.5	895.5	895.5	894.0	885.1	879.2	867.3	857.0	848.1	833.2	833.2	825.8
7.5°	937.0	932.6	932.6	931.1	922.2	914.8	901.4	877.7	859.9	843.6	843.6	831.8
10°	950.4	948.9	947.4	943.0	935.5	929.6	917.8	895.5	867.3	840.7	840.7	825.8
12.5°	975.6	975.6	971.1	965.2	959.3	953.3	937.0	919.2	888.1	846.6	846.6	827.3
15°	1008.2	1005.2	1002.3	999.3	994.9	986.0	971.1	948.9	913.3	862.9	862.9	842.1
17.5°	1021.5	1020.1	1020.1	1021.5	1020.1	1014.1	1011.2	986.0	948.9	885.1	885.1	861.4
20°	1024.5	1026.0	1029.0	1039.3	1042.3	1039.3	1043.8	1029.0	986.0	914.8	914.8	883.7
22.5°	1042.3	1045.3	1051.2	1061.6	1066.0	1070.5	1074.9	1086.8	1043.8	960.8	960.8	917.8
25°	1034.9	1037.8	1055.6	1072.0	1088.3	1101.6	1129.8	1156.5	1125.3	1029.0	1029.0	974.1
27.5°	1015.6	1021.5	1052.7	1085.3	1125.3	1160.9	1212.8	1245.4	1220.2	1114.9	1114.9	1052.7
30°	1031.9	1031.9	1052.7	1100.1	1152.0	1232.1	1300.3	1337.3	1319.6	1198.0	1198.0	1144.6
32.5°	997.8	1006.7	1049.7	1120.9	1200.9	1303.2	1370.0	1435.2	1441.1	1309.2	1309.2	1226.1
35°	892.6	907.4	943.0	1037.8	1160.9	1338.8	1456.0	1543.4	1571.6	1442.6	1442.6	1321.0
37.5°	735.4	745.8	808.0	902.9	1049.7	1220.2	1408.5	1607.2	1685.8	1528.6	1528.6	1441.1
40°	650.9	658.3	695.4	773.9	908.9	1073.4	1221.7	1413.0	1456.0	1395.2	1395.2	1337.3
42.5°	622.7	634.6	680.5	753.2	862.9	978.5	1002.3	1073.4	1051.2	1058.6	1058.6	1008.2
45°	661.3	665.7	699.8	763.6	830.3	861.4	830.3	879.2	902.9	898.5	898.5	848.1
47.5°	680.5	687.9	725.0	806.6	806.6	808.0	846.6	876.2	944.4	1008.2	1008.2	972.6
50°	584.2	594.5	662.7	728.0	738.4	861.4	962.2	1020.1	1091.2	1261.7	1261.7	1282.5
52.5°	550.1	557.5	631.6	762.1	837.7	963.7	1026.0	1079.4	1140.2	1421.9	1421.9	1479.7
55°	602.0	615.3	702.8	837.7	920.7	996.3	1076.4	1153.5	1218.7	1547.9	1547.9	1590.9
57.5°	695.4	720.6	773.9	849.6	928.1	996.3	1103.1	1198.0	1284.0	1596.8	1596.8	1666.5
60°	892.6	858.4	805.1	830.3	901.4	987.4	1116.4	1230.6	1318.1	1614.6	1614.6	1706.5
62.5°	984.5	959.3	828.8	794.7	857.0	956.3	1091.2	1230.6	1306.2	1580.5	1580.5	1694.7
65°	951.9	931.1	837.7	753.2	802.1	913.3	1052.7	1212.8	1279.5	1537.5	1537.5	1682.8
67.5°	811.0	790.2	760.6	729.5	750.2	870.3	1017.1	1180.2	1249.9	1501.9	1501.9	1633.9
70°	659.8	647.9	637.5	661.3	699.8	805.1	945.9	1107.5	1190.6	1415.9	1415.9	1553.8
72.5°	561.9	554.5	536.7	560.4	621.2	717.6	839.2	1000.8	1100.1	1270.6	1270.6	1439.6
75°	477.4	473.0	467.0	478.9	517.4	607.9	704.3	862.9	983.0	1109.0	1109.0	1251.3
77.5°	387.0	381.0	394.4	397.3	427.0	492.2	554.5	686.5	819.9	870.3	870.3	934.1
80°	281.7	287.6	309.9	301.0	323.2	345.5	389.9	447.8	553.0	609.4	609.4	613.8
82.5°	197.2	203.1	223.9	201.6	207.6	209.1	225.4	246.1	289.1	336.6	336.6	342.5
85°	139.4	142.3	146.8	130.5	130.5	130.5	140.9	152.7	175.0	194.2	194.2	198.7
87.5°	99.3	99.3	105.3	99.3	97.9	96.4	102.3	106.8	120.1	133.4	133.4	136.4
90°	74.1	74.1	77.1	74.1	74.1	74.1	80.1	84.5	96.4	108.2	108.2	109.7
92.5°	53.4	53.4	57.8	56.3	56.3	57.8	63.8	66.7	77.1	89.0	89.0	90.4
95°	41.5	41.5	44.5	43.0	43.0	46.0	50.4	53.4	60.8	66.7	66.7	68.2
97.5°	29.7	29.7	31.1	31.1	31.1	31.1	34.1	38.5	47.4	47.4	47.4	46.0
100°	20.8	20.8	22.2	20.8	20.8	22.2	22.2	25.2	29.7	28.2	28.2	28.2
102.5°	14.8	14.8	14.8	14.8	14.8	13.3	13.3	14.8	16.3	14.8	14.8	14.8
105°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.9
107.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.4	7.4	7.4
110°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.9



REPORT NUMBER: P691307

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.9	5.9
115°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.9	5.9
117.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
120°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
122.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
125°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9	4.4
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
130°	4.4	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5	809.5
2.5°	814.0	811.0	802.1	791.7	782.8	775.4	768.0	762.1	760.6	757.6	760.6
5°	824.3	814.0	793.2	779.9	768.0	756.1	744.3	738.4	733.9	730.9	730.9
7.5°	828.8	814.0	790.2	772.5	747.3	722.0	707.2	695.4	690.9	695.4	695.4
10°	821.4	803.6	775.4	748.7	714.6	693.9	673.1	662.7	656.8	656.8	652.4
12.5°	824.3	803.6	762.1	722.0	693.9	656.8	631.6	619.7	610.8	613.8	613.8
15°	836.2	808.0	750.2	710.2	661.3	631.6	600.5	593.1	591.6	587.1	584.2
17.5°	854.0	812.5	747.3	683.5	633.1	597.5	567.9	554.5	547.1	542.6	541.2
20°	873.3	818.4	738.4	658.3	603.4	557.5	521.9	504.1	498.2	498.2	495.2
22.5°	905.9	839.2	730.9	646.4	563.4	517.4	481.9	456.7	444.8	443.3	441.8
25°	959.3	879.2	738.4	619.7	539.7	471.5	431.4	409.2	395.9	391.4	391.4
27.5°	1040.8	934.1	748.7	604.9	490.8	428.5	384.0	349.9	330.6	332.1	333.6
30°	1128.3	1015.6	778.4	581.2	459.6	367.7	314.3	287.6	269.8	263.9	260.9
32.5°	1199.5	1100.1	821.4	561.9	401.8	293.6	247.6	228.3	209.1	192.7	186.8
35°	1309.2	1171.3	858.4	533.8	354.4	240.2	200.2	170.5	154.2	146.8	143.8
37.5°	1408.5	1241.0	886.6	527.8	287.6	206.1	158.6	127.5	111.2	109.7	109.7
40°	1288.4	1153.5	865.9	480.4	226.8	160.1	114.2	90.4	78.6	72.6	72.6
42.5°	986.0	883.7	659.8	400.3	163.1	108.2	72.6	68.2	66.7	60.8	60.8
45°	825.8	652.4	400.3	209.1	77.1	59.3	51.9	51.9	53.4	57.8	57.8
47.5°	991.9	771.0	295.0	149.7	75.6	51.9	46.0	41.5	38.5	37.1	37.1
50°	1284.0	1097.2	376.6	177.9	90.4	53.4	41.5	37.1	35.6	34.1	31.1
52.5°	1497.5	1285.5	496.7	271.3	145.3	68.2	41.5	31.1	23.7	20.8	19.3
55°	1626.5	1450.0	585.6	389.9	235.7	114.2	51.9	28.2	20.8	17.8	16.3
57.5°	1696.1	1469.3	659.8	496.7	346.9	203.1	90.4	34.1	20.8	16.3	16.3
60°	1705.0	1472.3	695.4	567.9	441.8	308.4	172.0	66.7	26.7	19.3	17.8
62.5°	1697.6	1447.1	704.3	596.0	499.7	394.4	271.3	132.0	41.5	22.2	20.8
65°	1684.3	1448.5	664.2	570.8	499.7	422.6	314.3	173.5	59.3	25.2	23.7
67.5°	1639.8	1444.1	642.0	516.0	452.2	378.1	281.7	161.6	68.2	31.1	29.7
70°	1549.4	1390.7	628.6	493.7	424.0	336.6	237.2	129.0	77.1	53.4	57.8
72.5°	1447.1	1294.3	615.3	474.4	413.7	335.1	238.7	139.4	103.8	87.5	93.4
75°	1294.3	1126.8	591.6	455.2	407.7	345.5	241.7	132.0	97.9	78.6	77.1
77.5°	996.3	937.0	539.7	407.7	370.7	318.8	206.1	100.8	72.6	54.9	53.4
80°	650.9	643.5	421.1	329.1	312.8	281.7	172.0	78.6	57.8	44.5	41.5
82.5°	367.7	352.9	262.4	207.6	220.9	228.3	139.4	59.3	44.5	35.6	32.6
85°	209.1	212.0	152.7	112.7	114.2	134.9	90.4	41.5	28.2	20.8	19.3
87.5°	143.8	148.3	99.3	75.6	68.2	63.8	47.4	25.2	16.3	10.4	7.4
90°	117.1	117.1	74.1	54.9	47.4	41.5	26.7	14.8	11.9	5.9	4.4
92.5°	94.9	99.3	62.3	44.5	37.1	32.6	20.8	10.4	7.4	4.4	3.0
95°	71.2	75.6	50.4	37.1	29.7	25.2	17.8	8.9	5.9	3.0	3.0
97.5°	48.9	48.9	35.6	28.2	23.7	19.3	13.3	7.4	4.4	3.0	3.0
100°	28.2	29.7	20.8	17.8	16.3	14.8	8.9	5.9	3.0	1.5	1.5
102.5°	14.8	14.8	10.4	10.4	8.9	8.9	7.4	4.4	3.0	1.5	1.5
105°	8.9	8.9	7.4	7.4	5.9	5.9	4.4	3.0	1.5	0.0	1.5
107.5°	7.4	7.4	5.9	5.9	4.4	4.4	3.0	3.0	1.5	0.0	0.0
110°	5.9	5.9	4.4	4.4	4.4	3.0	3.0	1.5	1.5	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.9	4.4	4.4	3.0	3.0	3.0	1.5	1.5	0.0	0.0
115°	5.9	4.4	4.4	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0
117.5°	5.9	4.4	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
120°	5.9	4.4	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0
122.5°	5.9	4.4	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
125°	4.4	4.4	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
127.5°	4.4	4.4	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
130°	4.4	4.4	3.0	3.0	1.5	1.5	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)