

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: P691199

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691199
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-C015-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 3986 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - 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

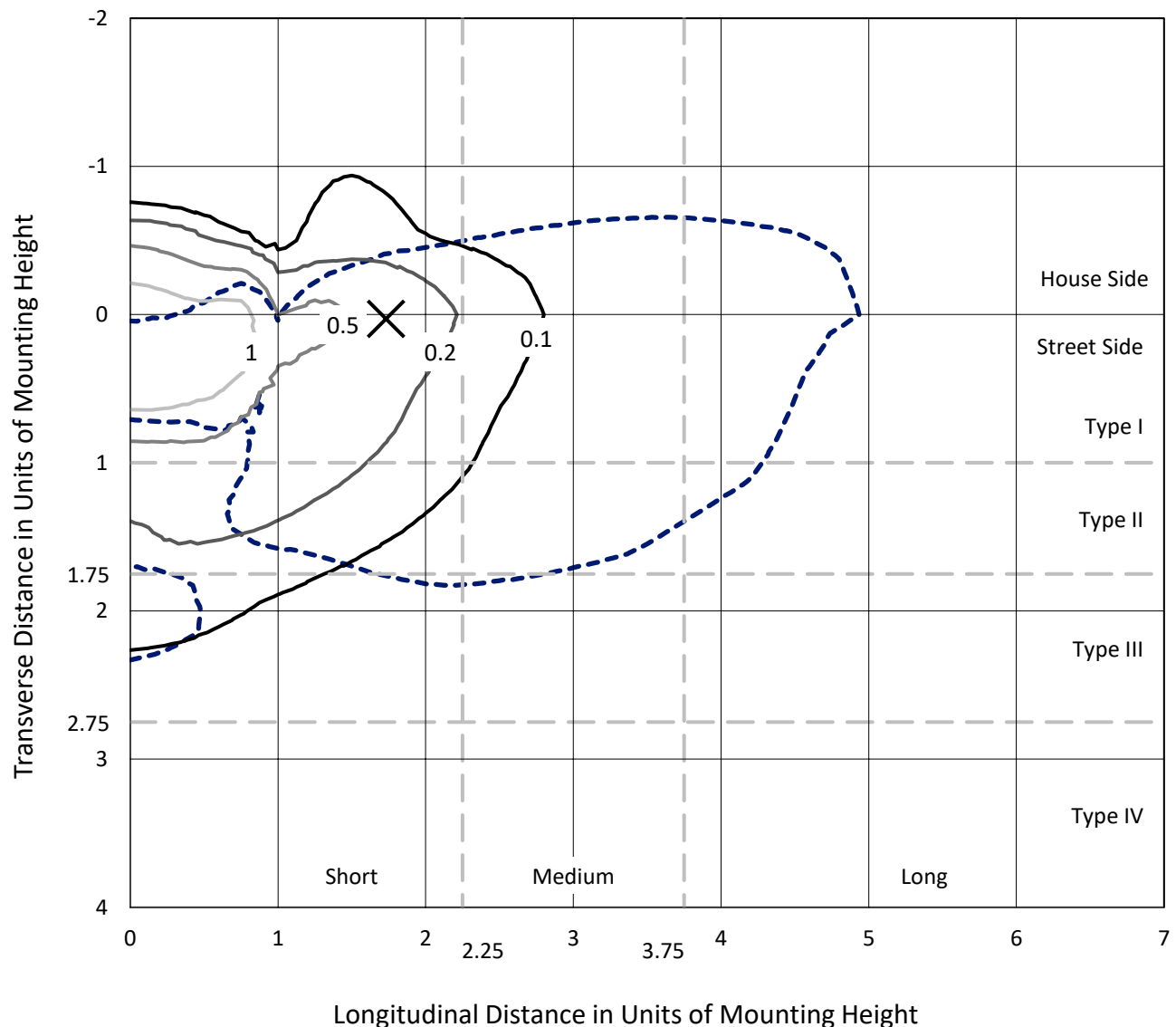


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

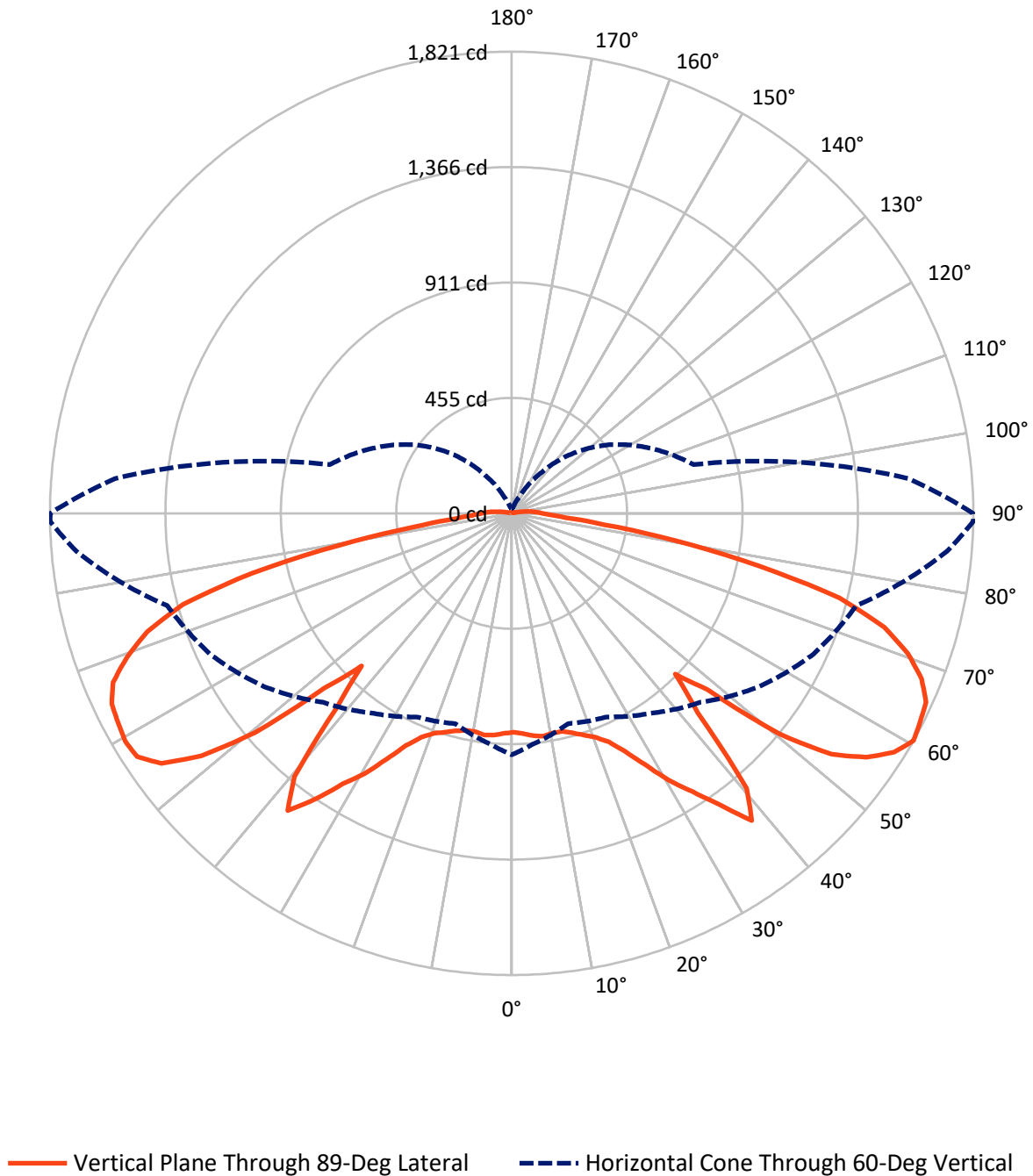


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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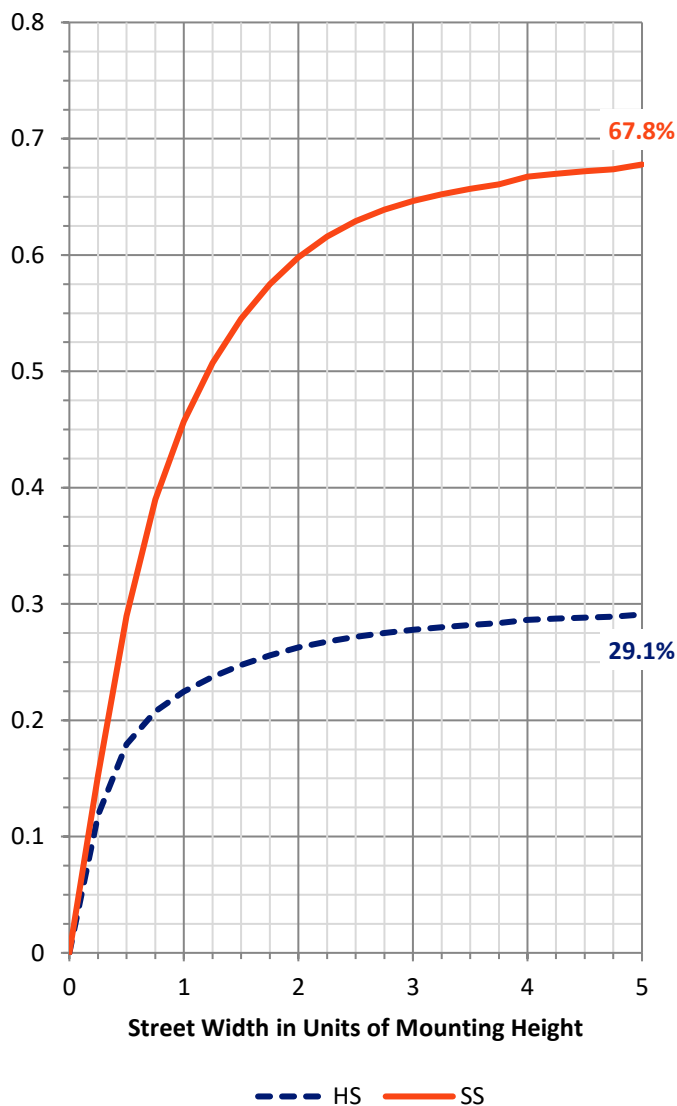
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1183.3	22.2	1205.5
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2737.7	42.8	2780.5
	% Fixture	68.7	1.1	69.8
Total	Lumens	3921.0	65.0	3986.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	2.1
10°-20°	245.2	6.2
20°-30°	404.7	10.2
30°-40°	548.9	13.8
40°-50°	457.2	11.5
50°-60°	633.2	15.9
60°-70°	780.4	19.6
70°-80°	590.9	14.8
80°-90°	177.3	4.4
90°-100°	46.0	1.2
100°-110°	10.5	0.3
110°-120°	4.9	0.1
120°-130°	3.3	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°	3921.0	98.4
0°-180°	3986.0	100.0

Coefficient of Utilization



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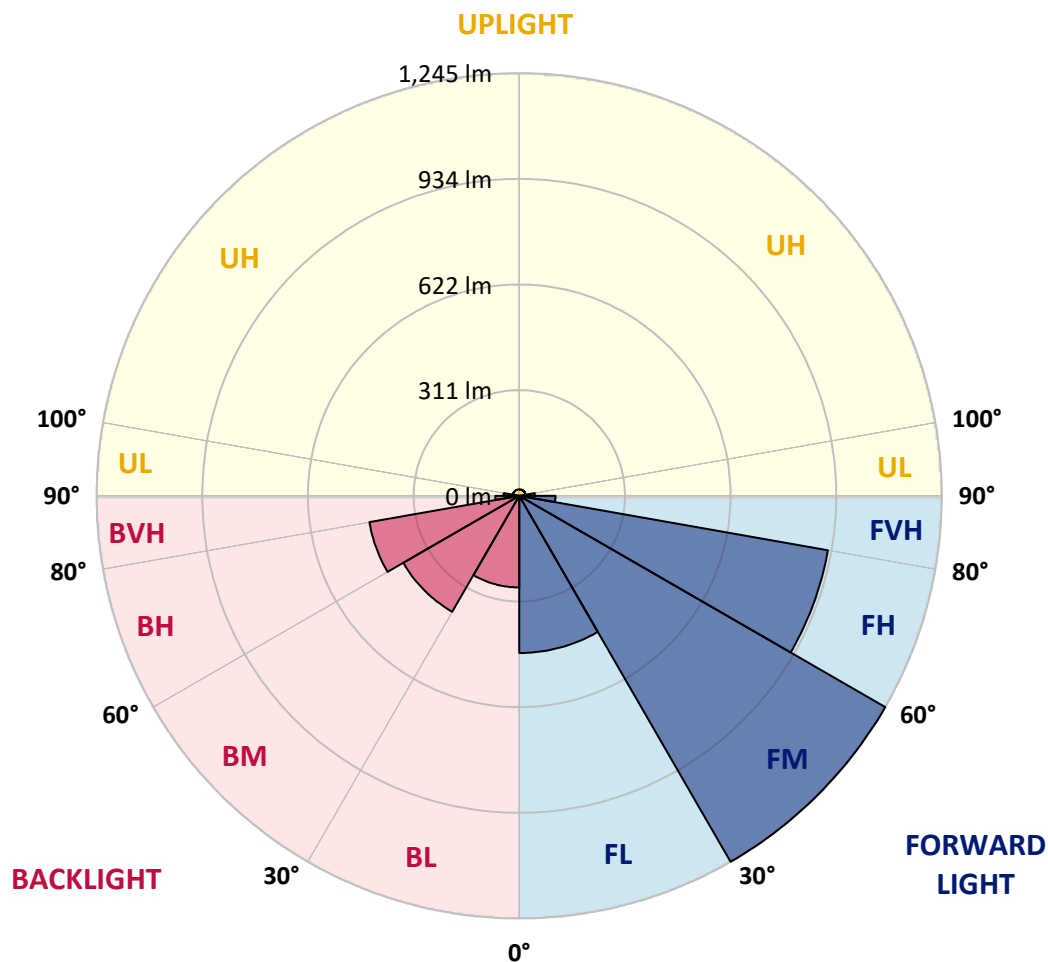
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.0	11.6			
FM	(30°-60°)	1244.9	31.2			
FH	(60°-80°)	923.2	23.2			G1/1800
FVH	(80°-90°)	106.6	2.7			G2/225
BL	(0°-30°)	269.9	6.8	B1/500		
BM	(30°-60°)	394.5	9.9	B1/1000		
BH	(60°-80°)	448.2	11.2	B1/500		G1/500
BVH	(80°-90°)	70.7	1.8			G1/100
UL	(90°-100°)	46.0	1.2		U2/50	
UH	(100°-180°)	19.1	0.5		U2/50	

BUG Rating: B1-U2-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9
2.5°	906.6	901.9	901.9	901.9	892.4	892.4	886.1	882.9	876.6	871.8	870.3
5°	958.9	955.7	955.7	954.1	944.6	938.3	925.6	914.6	905.1	889.2	881.3
7.5°	1000.0	995.3	995.3	993.7	984.2	976.3	962.0	936.7	917.7	900.3	887.7
10°	1014.2	1012.7	1011.1	1006.3	998.4	992.1	979.4	955.7	925.6	897.2	881.3
12.5°	1041.1	1041.1	1036.4	1030.1	1023.7	1017.4	1000.0	981.0	947.8	903.5	882.9
15°	1075.9	1072.8	1069.6	1066.5	1061.7	1052.2	1036.4	1012.7	974.7	920.9	898.7
17.5°	1090.2	1088.6	1088.6	1090.2	1088.6	1082.3	1079.1	1052.2	1012.7	944.6	919.3
20°	1093.4	1094.9	1098.1	1109.2	1112.3	1109.2	1113.9	1098.1	1052.2	976.3	943.0
22.5°	1112.3	1115.5	1121.8	1132.9	1137.7	1142.4	1147.2	1159.8	1113.9	1025.3	979.4
25°	1104.4	1107.6	1126.6	1144.0	1161.4	1175.6	1205.7	1234.2	1200.9	1098.1	1039.6
27.5°	1083.9	1090.2	1123.4	1158.2	1200.9	1238.9	1294.3	1329.1	1302.2	1189.9	1123.4
30°	1101.3	1101.3	1123.4	1174.1	1229.4	1314.9	1387.7	1427.2	1408.2	1278.5	1221.5
32.5°	1064.9	1074.4	1120.3	1196.2	1281.6	1390.8	1462.0	1531.6	1538.0	1397.2	1308.5
35°	952.5	968.4	1006.3	1107.6	1238.9	1428.8	1553.8	1647.2	1677.2	1539.6	1409.8
37.5°	784.8	795.9	862.3	963.6	1120.3	1302.2	1503.2	1715.2	1799.1	1631.3	1538.0
40°	694.6	702.5	742.1	825.9	969.9	1145.6	1303.8	1507.9	1553.8	1488.9	1427.2
42.5°	664.6	677.2	726.3	803.8	920.9	1044.3	1069.6	1145.6	1121.8	1129.7	1075.9
45°	705.7	710.4	746.8	814.9	886.1	919.3	886.1	938.3	963.6	958.9	905.1
47.5°	726.3	734.2	773.7	860.8	860.8	862.3	903.5	935.1	1007.9	1075.9	1038.0
50°	623.4	634.5	707.3	776.9	788.0	919.3	1026.9	1088.6	1164.6	1346.5	1368.7
52.5°	587.0	594.9	674.1	813.3	894.0	1028.5	1094.9	1151.9	1216.8	1517.4	1579.1
55°	642.4	656.6	750.0	894.0	982.6	1063.3	1148.7	1231.0	1300.6	1651.9	1697.8
57.5°	742.1	769.0	825.9	906.6	990.5	1063.3	1177.2	1278.5	1370.3	1704.1	1778.5
60°	952.5	916.1	859.2	886.1	962.0	1053.8	1191.5	1313.3	1406.6	1723.1	1821.2
62.5°	1050.6	1023.7	884.5	848.1	914.6	1020.6	1164.6	1313.3	1394.0	1686.7	1808.5
65°	1015.8	993.7	894.0	803.8	856.0	974.7	1123.4	1294.3	1365.5	1640.8	1795.9
67.5°	865.5	843.4	811.7	778.5	800.6	928.8	1085.4	1259.5	1333.9	1602.8	1743.7
70°	704.1	691.5	680.4	705.7	746.8	859.2	1009.5	1182.0	1270.6	1511.1	1658.2
72.5°	599.7	591.8	572.8	598.1	663.0	765.8	895.6	1068.0	1174.1	1356.0	1536.4
75°	509.5	504.7	498.4	511.1	552.2	648.7	751.6	920.9	1049.1	1183.5	1335.4
77.5°	413.0	406.6	420.9	424.1	455.7	525.3	591.8	732.6	875.0	928.8	996.8
80°	300.6	307.0	330.7	321.2	344.9	368.7	416.1	477.8	590.2	650.3	655.1
82.5°	210.4	216.8	238.9	215.2	221.5	223.1	240.5	262.7	308.5	359.2	365.5
85°	148.7	151.9	156.6	139.2	139.2	139.2	150.3	163.0	186.7	207.3	212.0
87.5°	106.0	106.0	112.3	106.0	104.4	102.8	109.2	113.9	128.2	142.4	145.6
90°	79.1	79.1	82.3	79.1	79.1	79.1	85.4	90.2	102.8	115.5	117.1
92.5°	57.0	57.0	61.7	60.1	60.1	61.7	68.0	71.2	82.3	94.9	96.5
95°	44.3	44.3	47.5	45.9	45.9	49.1	53.8	57.0	64.9	71.2	72.8
97.5°	31.6	31.6	33.2	33.2	33.2	33.2	36.4	41.1	50.6	50.6	49.1
100°	22.2	22.2	23.7	22.2	22.2	23.7	23.7	26.9	31.6	30.1	30.1
102.5°	15.8	15.8	15.8	15.8	15.8	14.2	14.2	15.8	17.4	15.8	15.8
105°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	9.5
107.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.9	7.9
110°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.3	6.3
115°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.3	6.3
117.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
120°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
122.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
125°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.3	6.3	4.7
127.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
130°	4.7	3.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.2
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°	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9
2.5°	868.7	865.5	856.0	844.9	835.4	827.5	819.6	813.3	811.7	808.5	811.7
5°	879.7	868.7	846.5	832.3	819.6	807.0	794.3	788.0	783.2	780.1	780.1
7.5°	884.5	868.7	843.4	824.4	797.5	770.6	754.7	742.1	737.3	742.1	742.1
10°	876.6	857.6	827.5	799.1	762.7	740.5	718.4	707.3	700.9	700.9	696.2
12.5°	879.7	857.6	813.3	770.6	740.5	700.9	674.1	661.4	651.9	655.1	655.1
15°	892.4	862.3	800.6	757.9	705.7	674.1	640.8	632.9	631.3	626.6	623.4
17.5°	911.4	867.1	797.5	729.4	675.6	637.7	606.0	591.8	583.9	579.1	577.5
20°	932.0	873.4	788.0	702.5	644.0	594.9	557.0	538.0	531.6	531.6	528.5
22.5°	966.8	895.6	780.1	689.9	601.3	552.2	514.2	487.3	474.7	473.1	471.5
25°	1023.7	938.3	788.0	661.4	575.9	503.2	460.4	436.7	422.5	417.7	417.7
27.5°	1110.8	996.8	799.1	645.6	523.7	457.3	409.8	373.4	352.8	354.4	356.0
30°	1204.1	1083.9	830.7	620.3	490.5	392.4	335.4	307.0	288.0	281.6	278.5
32.5°	1280.1	1174.1	876.6	599.7	428.8	313.3	264.2	243.7	223.1	205.7	199.4
35°	1397.2	1250.0	916.1	569.6	378.2	256.3	213.6	182.0	164.6	156.6	153.5
37.5°	1503.2	1324.4	946.2	563.3	307.0	219.9	169.3	136.1	118.7	117.1	117.1
40°	1375.0	1231.0	924.1	512.7	242.1	170.9	121.8	96.5	83.9	77.5	77.5
42.5°	1052.2	943.0	704.1	427.2	174.1	115.5	77.5	72.8	71.2	64.9	64.9
45°	881.3	696.2	427.2	223.1	82.3	63.3	55.4	55.4	57.0	61.7	61.7
47.5°	1058.5	822.8	314.9	159.8	80.7	55.4	49.1	44.3	41.1	39.6	39.6
50°	1370.3	1170.9	401.9	189.9	96.5	57.0	44.3	39.6	38.0	36.4	33.2
52.5°	1598.1	1371.8	530.1	289.6	155.1	72.8	44.3	33.2	25.3	22.2	20.6
55°	1735.8	1547.5	625.0	416.1	251.6	121.8	55.4	30.1	22.2	19.0	17.4
57.5°	1810.1	1568.0	704.1	530.1	370.3	216.8	96.5	36.4	22.2	17.4	17.4
60°	1819.6	1571.2	742.1	606.0	471.5	329.1	183.5	71.2	28.5	20.6	19.0
62.5°	1811.7	1544.3	751.6	636.1	533.2	420.9	289.6	140.8	44.3	23.7	22.2
65°	1797.5	1545.9	708.9	609.2	533.2	450.9	335.4	185.1	63.3	26.9	25.3
67.5°	1750.0	1541.1	685.1	550.6	482.6	403.5	300.6	172.5	72.8	33.2	31.6
70°	1653.5	1484.2	670.9	526.9	452.5	359.2	253.2	137.7	82.3	57.0	61.7
72.5°	1544.3	1381.3	656.6	506.3	441.5	357.6	254.7	148.7	110.8	93.4	99.7
75°	1381.3	1202.5	631.3	485.8	435.1	368.7	257.9	140.8	104.4	83.9	82.3
77.5°	1063.3	1000.0	575.9	435.1	395.6	340.2	219.9	107.6	77.5	58.5	57.0
80°	694.6	686.7	449.4	351.3	333.9	300.6	183.5	83.9	61.7	47.5	44.3
82.5°	392.4	376.6	280.1	221.5	235.8	243.7	148.7	63.3	47.5	38.0	34.8
85°	223.1	226.3	163.0	120.3	121.8	144.0	96.5	44.3	30.1	22.2	20.6
87.5°	153.5	158.2	106.0	80.7	72.8	68.0	50.6	26.9	17.4	11.1	7.9
90°	125.0	125.0	79.1	58.5	50.6	44.3	28.5	15.8	12.7	6.3	4.7
92.5°	101.3	106.0	66.5	47.5	39.6	34.8	22.2	11.1	7.9	4.7	3.2
95°	75.9	80.7	53.8	39.6	31.6	26.9	19.0	9.5	6.3	3.2	3.2
97.5°	52.2	52.2	38.0	30.1	25.3	20.6	14.2	7.9	4.7	3.2	3.2
100°	30.1	31.6	22.2	19.0	17.4	15.8	9.5	6.3	3.2	1.6	1.6
102.5°	15.8	15.8	11.1	11.1	9.5	9.5	7.9	4.7	3.2	1.6	1.6
105°	9.5	9.5	7.9	7.9	6.3	6.3	4.7	3.2	1.6	0.0	1.6
107.5°	7.9	7.9	6.3	6.3	4.7	4.7	3.2	3.2	1.6	0.0	0.0
110°	6.3	6.3	4.7	4.7	4.7	3.2	3.2	1.6	1.6	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.3	6.3	4.7	4.7	3.2	3.2	3.2	1.6	1.6	0.0	0.0
115°	6.3	4.7	4.7	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0
117.5°	6.3	4.7	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
120°	6.3	4.7	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0
122.5°	6.3	4.7	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
125°	4.7	4.7	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
127.5°	4.7	4.7	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
130°	4.7	4.7	3.2	3.2	1.6	1.6	1.6	1.6	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)