

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: P691446

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3861 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 42.8
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

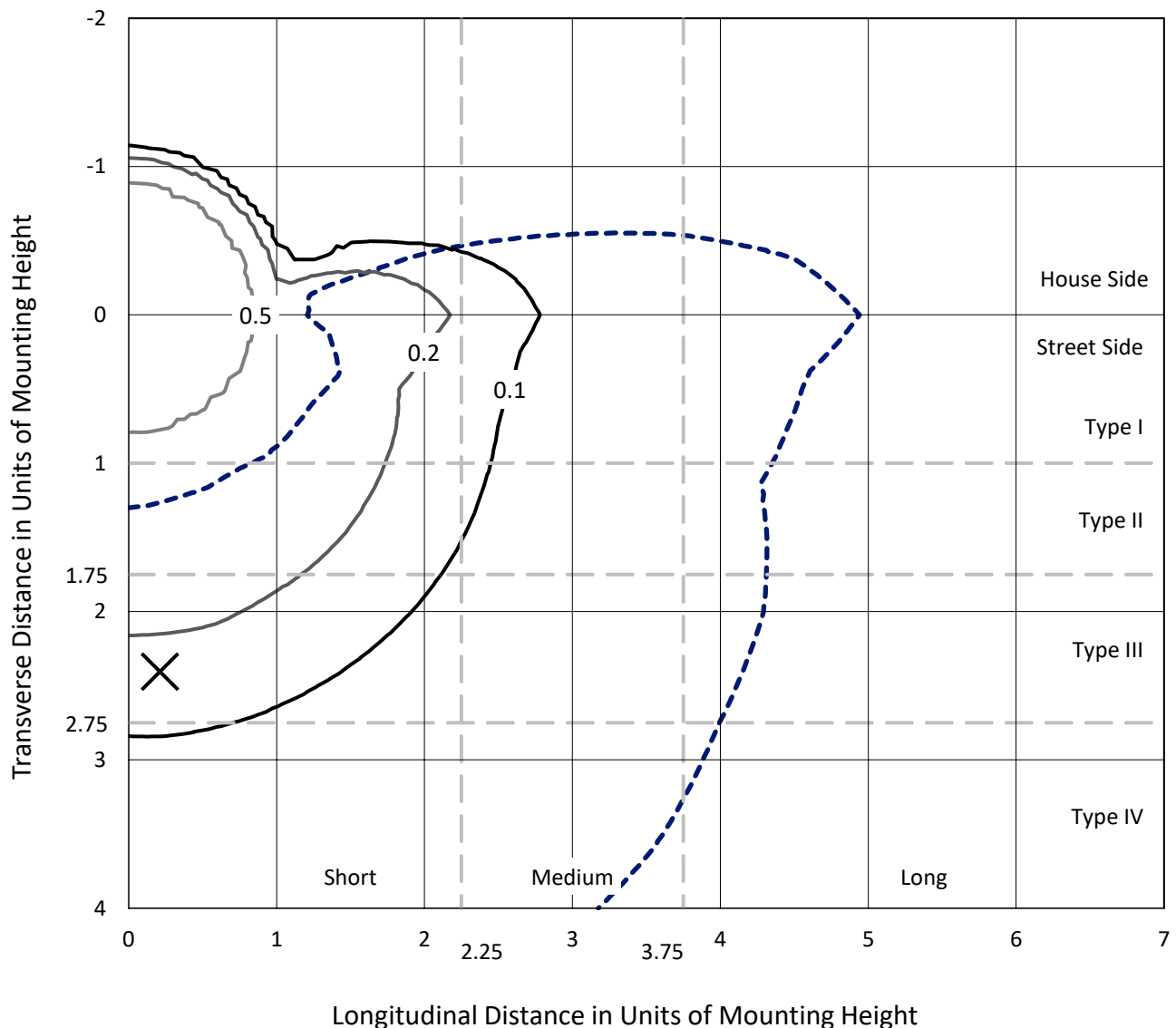


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

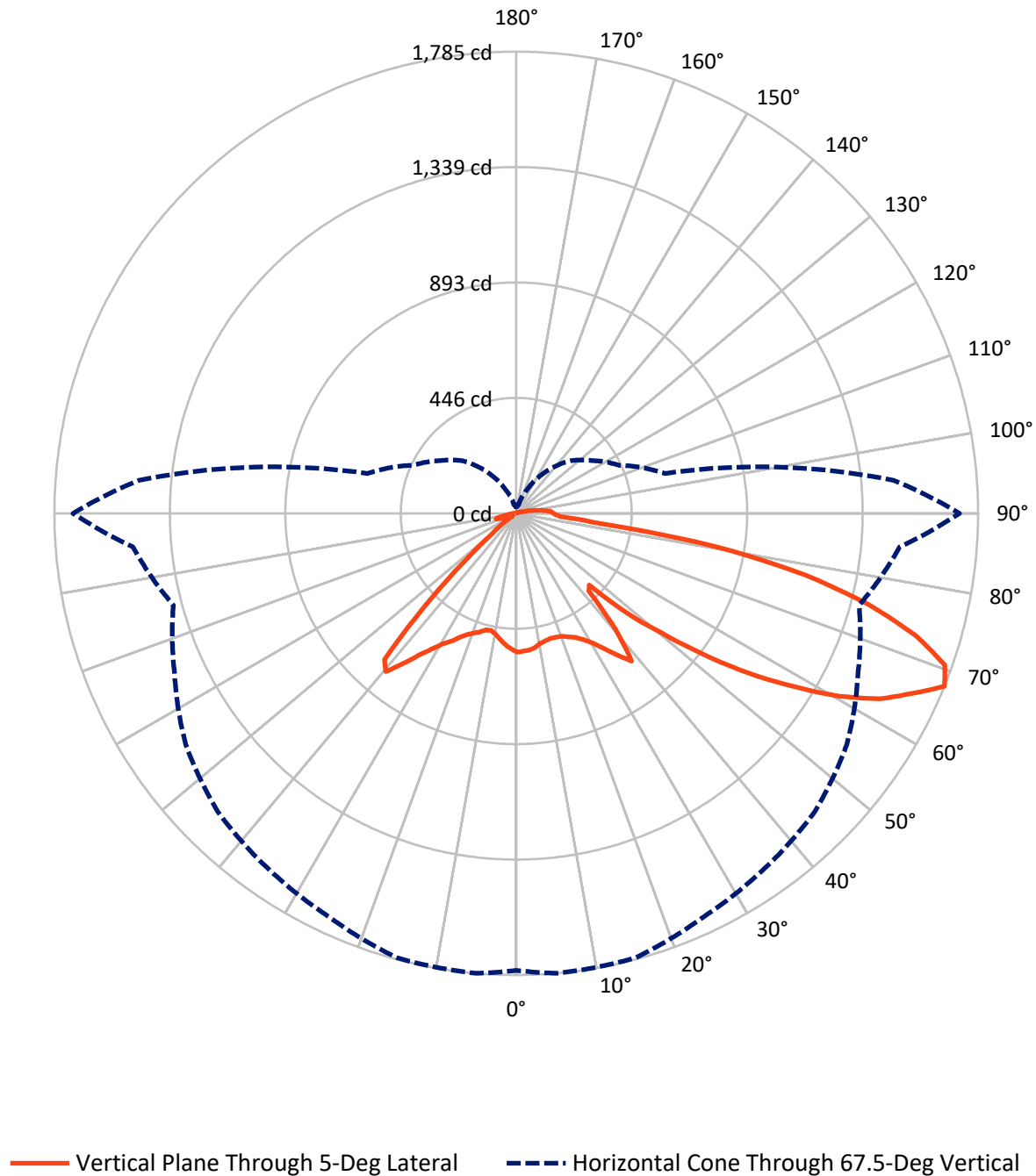


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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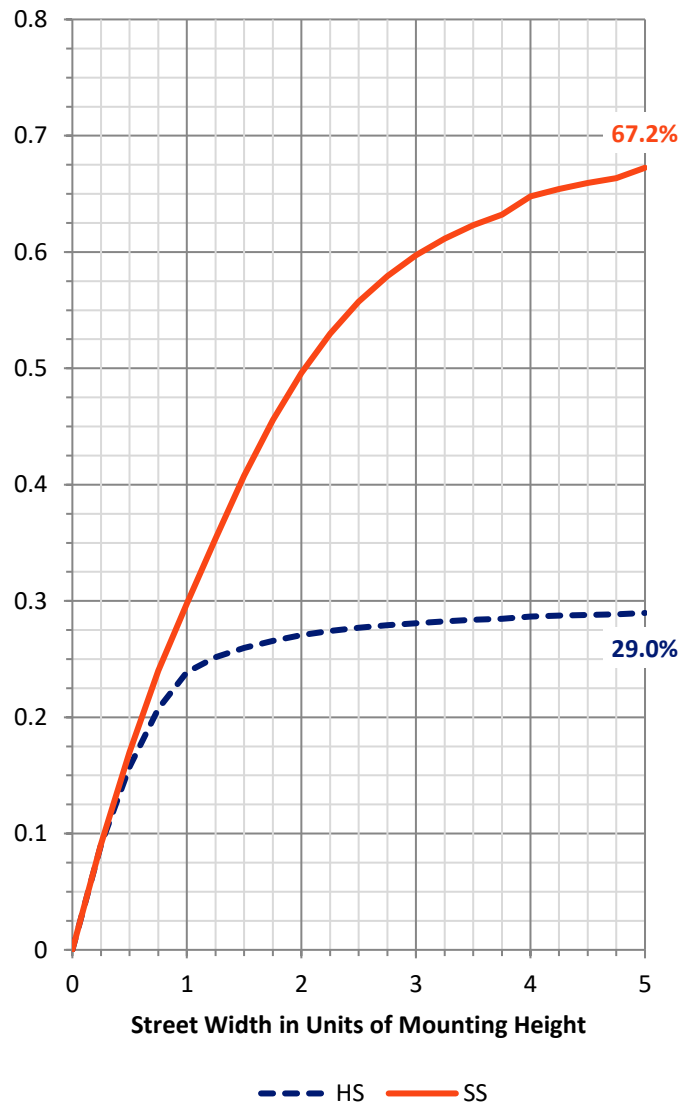
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1131.6	17.0	1148.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2646.0	66.5	2712.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	3777.5	83.5	3861.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.3
10°-20°	143.2	3.7
20°-30°	254.5	6.6
30°-40°	425.6	11.0
40°-50°	388.7	10.1
50°-60°	576.9	14.9
60°-70°	946.5	24.5
70°-80°	812.3	21.0
80°-90°	180.2	4.7
90°-100°	60.8	1.6
100°-110°	15.0	0.4
110°-120°	4.8	0.1
120°-130°	2.7	0.1
130°-140°	0.2	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°	3777.5	97.8
0°-180°	3861.0	100.0

Coefficient of Utilization



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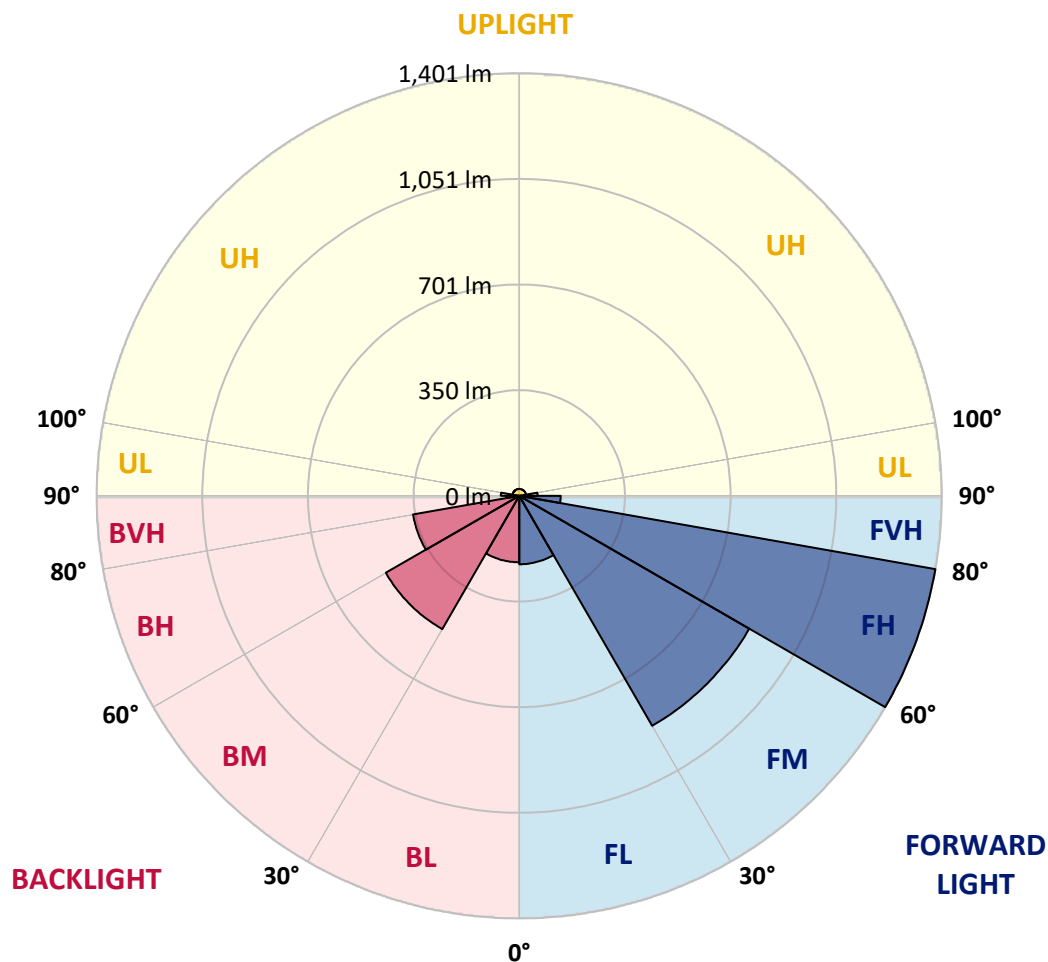
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.9	5.9			
FM	(30°-60°)	880.6	22.8			
FH	(60°-80°)	1401.1	36.3			G1/1800
FVH	(80°-90°)	137.4	3.6			G2/225
BL	(0°-30°)	220.4	5.7	B1/500		
BM	(30°-60°)	510.6	13.2	B1/1000		
BH	(60°-80°)	357.7	9.3	B1/500		G1/500
BVH	(80°-90°)	42.8	1.1			G1/100
UL	(90°-100°)	60.8	1.6		U3/500	
UH	(100°-180°)	22.7	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2
2.5°	533.2	533.2	533.2	535.2	537.2	535.2	533.2	531.2	529.2	531.2	531.2
5°	531.2	531.2	533.2	533.2	535.2	537.2	535.2	533.2	531.2	531.2	531.2
7.5°	521.2	523.2	523.2	525.2	527.2	531.2	531.2	527.2	527.2	527.2	527.2
10°	511.2	511.2	513.2	515.2	517.2	521.2	521.2	517.2	519.2	521.2	521.2
12.5°	505.2	505.2	507.2	511.2	513.2	515.2	517.2	517.2	519.2	517.2	519.2
15°	501.2	501.2	501.2	507.2	513.2	515.2	519.2	521.2	523.2	523.2	523.2
17.5°	503.2	503.2	503.2	511.2	515.2	521.2	525.2	527.2	527.2	529.2	529.2
20°	507.2	507.2	509.2	515.2	523.2	529.2	533.2	535.2	535.2	539.2	539.2
22.5°	515.2	519.2	517.2	523.2	529.2	537.2	543.2	547.2	547.2	551.2	551.2
25°	533.2	531.2	533.2	539.2	545.2	551.2	555.2	561.1	563.1	567.1	567.1
27.5°	553.2	553.2	553.2	559.2	563.1	569.1	573.1	577.1	581.1	587.1	589.1
30°	583.1	581.1	579.1	585.1	589.1	595.1	599.1	601.1	601.1	605.1	609.1
32.5°	623.1	623.1	623.1	627.0	629.0	635.0	637.0	639.0	637.0	643.0	645.0
35°	673.0	673.0	675.0	679.0	685.0	689.0	691.0	689.0	691.0	694.9	698.9
37.5°	722.9	724.9	730.9	736.9	740.9	748.9	754.9	754.9	756.8	768.8	768.8
40°	585.1	591.1	597.1	611.1	629.0	653.0	692.9	708.9	754.9	778.8	784.8
42.5°	397.4	411.4	427.4	445.3	459.3	461.3	499.2	521.2	567.1	611.1	623.1
45°	379.4	395.4	411.4	399.4	409.4	377.4	415.4	419.4	441.3	475.3	565.1
47.5°	557.2	579.1	601.1	571.1	577.1	507.2	521.2	505.2	455.3	511.2	661.0
50°	726.9	724.9	756.8	742.9	758.8	683.0	689.0	657.0	579.1	657.0	870.7
52.5°	890.6	906.6	940.6	936.6	948.6	850.7	832.7	804.8	683.0	802.8	1054.4
55°	1080.4	1092.3	1124.3	1114.3	1108.3	1010.5	978.5	950.6	832.7	988.5	1250.1
57.5°	1258.1	1264.1	1302.0	1268.1	1248.1	1174.2	1130.3	1084.4	968.5	1158.2	1385.9
60°	1427.8	1435.8	1457.8	1411.9	1379.9	1322.0	1268.1	1218.1	1110.3	1310.0	1511.7
62.5°	1587.6	1579.6	1589.6	1531.7	1509.7	1457.8	1399.9	1338.0	1244.1	1429.8	1633.5
65°	1679.4	1679.4	1691.4	1617.5	1583.6	1551.6	1487.7	1415.8	1330.0	1487.7	1709.4
67.5°	1767.3	1785.3	1779.3	1719.4	1675.5	1631.5	1559.6	1457.8	1371.9	1487.7	1713.4
70°	1735.4	1757.3	1733.4	1685.4	1641.5	1589.6	1523.7	1423.8	1328.0	1415.8	1621.5
72.5°	1597.6	1613.5	1603.6	1561.6	1507.7	1473.8	1403.9	1328.0	1216.2	1292.0	1471.8
75°	1409.9	1405.9	1423.8	1375.9	1330.0	1298.0	1230.1	1182.2	1078.4	1134.3	1306.0
77.5°	1136.3	1138.3	1176.2	1122.3	1086.3	1064.4	1002.5	962.5	868.7	918.6	1050.4
80°	762.8	784.8	820.8	762.8	756.8	726.9	675.0	649.0	577.1	601.1	671.0
82.5°	317.5	327.5	339.5	321.5	315.5	305.5	283.6	275.6	247.6	259.6	259.6
85°	177.7	175.7	181.7	181.7	177.7	169.7	161.8	147.8	135.8	133.8	123.8
87.5°	149.8	151.8	155.8	155.8	147.8	141.8	131.8	121.8	111.8	105.8	95.9
90°	139.8	141.8	143.8	137.8	129.8	123.8	115.8	107.8	99.8	95.9	85.9
92.5°	133.8	133.8	133.8	125.8	117.8	111.8	105.8	97.9	91.9	87.9	79.9
95°	111.8	109.8	107.8	103.8	95.9	89.9	85.9	77.9	73.9	69.9	65.9
97.5°	83.9	81.9	79.9	77.9	69.9	65.9	63.9	59.9	55.9	49.9	47.9
100°	59.9	57.9	57.9	55.9	51.9	47.9	45.9	41.9	37.9	33.9	32.0
102.5°	39.9	37.9	37.9	35.9	33.9	32.0	28.0	26.0	22.0	20.0	18.0
105°	22.0	22.0	22.0	20.0	20.0	18.0	16.0	14.0	12.0	12.0	10.0
107.5°	16.0	16.0	16.0	16.0	14.0	14.0	12.0	10.0	10.0	8.0	8.0
110°	12.0	12.0	12.0	12.0	12.0	10.0	10.0	8.0	8.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0	6.0	6.0	6.0
115°	10.0	10.0	10.0	10.0	8.0	8.0	6.0	6.0	6.0	6.0	4.0
117.5°	8.0	8.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	4.0	6.0
120°	8.0	8.0	8.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
122.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
125°	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0
127.5°	6.0	6.0	4.0	6.0	4.0	4.0	4.0	4.0	4.0	2.0	4.0
130°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2	537.2
2.5°	533.2	533.2	535.2	533.2	533.2	529.2	527.2	525.2	525.2	525.2
5°	531.2	531.2	529.2	525.2	523.2	519.2	515.2	513.2	511.2	513.2
7.5°	527.2	523.2	519.2	511.2	505.2	503.2	495.2	493.3	493.3	493.3
10°	519.2	515.2	505.2	495.2	491.3	485.3	479.3	473.3	475.3	477.3
12.5°	517.2	507.2	499.2	489.3	483.3	473.3	471.3	465.3	463.3	463.3
15°	519.2	511.2	501.2	493.3	485.3	481.3	473.3	471.3	465.3	469.3
17.5°	527.2	515.2	507.2	499.2	491.3	487.3	481.3	477.3	479.3	479.3
20°	535.2	523.2	515.2	509.2	501.2	495.2	493.3	489.3	491.3	487.3
22.5°	547.2	535.2	529.2	521.2	515.2	511.2	507.2	509.2	505.2	507.2
25°	563.1	553.2	545.2	539.2	533.2	529.2	529.2	529.2	527.2	529.2
27.5°	585.1	575.1	569.1	565.1	559.2	555.2	551.2	553.2	555.2	553.2
30°	605.1	593.1	591.1	587.1	583.1	581.1	581.1	581.1	581.1	585.1
32.5°	637.0	625.1	621.1	621.1	617.1	615.1	613.1	617.1	619.1	617.1
35°	687.0	671.0	667.0	665.0	663.0	663.0	665.0	665.0	665.0	665.0
37.5°	748.9	726.9	722.9	720.9	720.9	720.9	718.9	720.9	726.9	728.9
40°	776.8	762.8	768.8	778.8	784.8	784.8	782.8	786.8	792.8	792.8
42.5°	629.0	599.1	621.1	661.0	687.0	718.9	724.9	744.9	760.8	760.8
45°	511.2	387.4	395.4	421.4	433.3	461.3	477.3	495.2	505.2	491.3
47.5°	575.1	249.6	205.7	213.7	183.7	221.7	247.6	275.6	281.6	287.6
50°	902.6	257.6	173.7	125.8	83.9	111.8	117.8	133.8	129.8	131.8
52.5°	1096.3	295.6	173.7	111.8	69.9	73.9	67.9	75.9	79.9	87.9
55°	1230.1	355.5	225.7	141.8	81.9	49.9	33.9	26.0	24.0	24.0
57.5°	1294.0	435.3	293.6	201.7	127.8	69.9	30.0	22.0	20.0	18.0
60°	1353.9	521.2	371.4	275.6	201.7	123.8	55.9	22.0	18.0	18.0
62.5°	1407.9	607.1	449.3	357.5	283.6	193.7	103.8	37.9	20.0	20.0
65°	1451.8	625.1	455.3	387.4	305.5	227.7	135.8	45.9	22.0	22.0
67.5°	1463.8	595.1	439.3	355.5	285.6	193.7	105.8	37.9	26.0	24.0
70°	1383.9	565.1	441.3	337.5	257.6	171.7	69.9	43.9	33.9	32.0
72.5°	1252.1	523.2	419.4	327.5	247.6	173.7	81.9	71.9	63.9	59.9
75°	1102.3	473.3	387.4	313.5	239.6	167.7	95.9	89.9	81.9	79.9
77.5°	884.7	393.4	325.5	265.6	201.7	133.8	79.9	75.9	65.9	65.9
80°	581.1	293.6	245.6	203.7	153.8	93.9	59.9	53.9	47.9	45.9
82.5°	237.6	171.7	147.8	127.8	99.8	59.9	39.9	33.9	28.0	26.0
85°	115.8	85.9	73.9	59.9	49.9	33.9	26.0	22.0	16.0	16.0
87.5°	93.9	67.9	55.9	45.9	33.9	24.0	18.0	14.0	10.0	8.0
90°	85.9	59.9	47.9	37.9	28.0	20.0	12.0	10.0	6.0	4.0
92.5°	77.9	51.9	41.9	30.0	22.0	16.0	8.0	6.0	4.0	4.0
95°	63.9	39.9	32.0	24.0	18.0	12.0	8.0	4.0	2.0	2.0
97.5°	45.9	30.0	24.0	18.0	14.0	8.0	6.0	4.0	2.0	2.0
100°	32.0	20.0	18.0	14.0	10.0	6.0	4.0	2.0	2.0	2.0
102.5°	16.0	12.0	12.0	10.0	8.0	6.0	2.0	2.0	0.0	0.0
105°	10.0	8.0	8.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0
107.5°	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
110°	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
115°	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
117.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
120°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)