

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: P691538

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691538
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-D-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: 3676 lumens
Efficiency: N/A
Efficacy: 88.4 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): 41.6
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



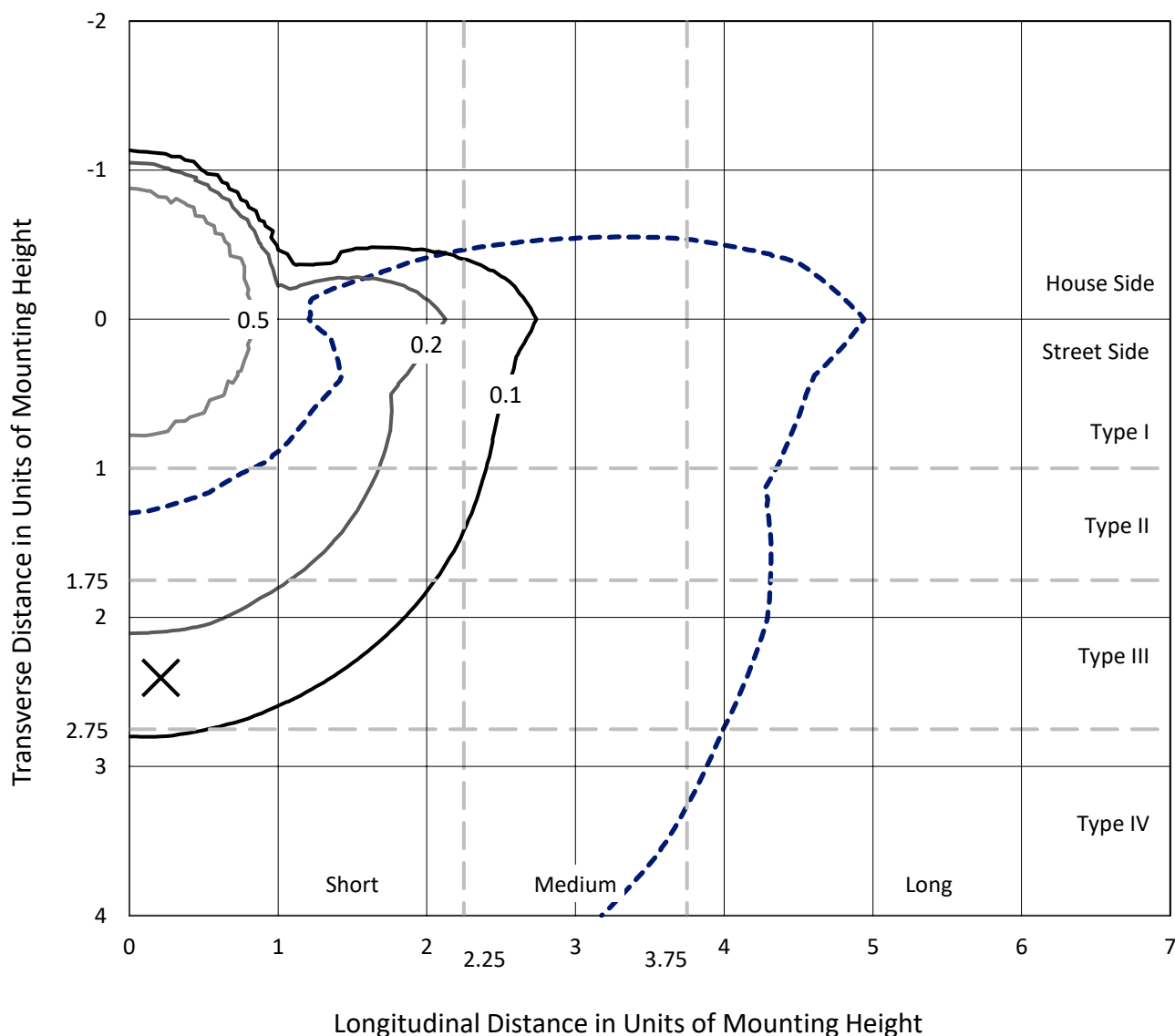
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CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

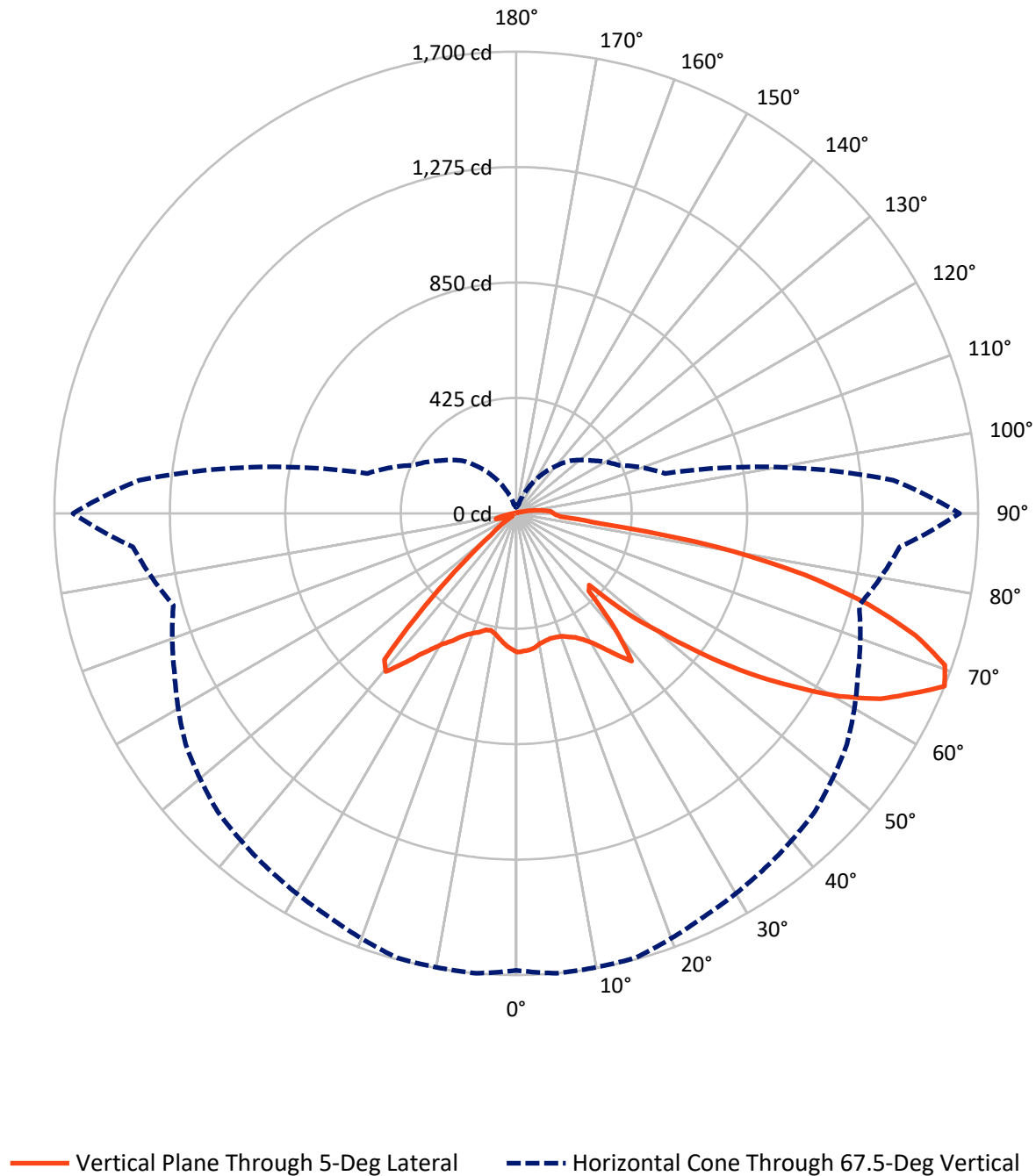


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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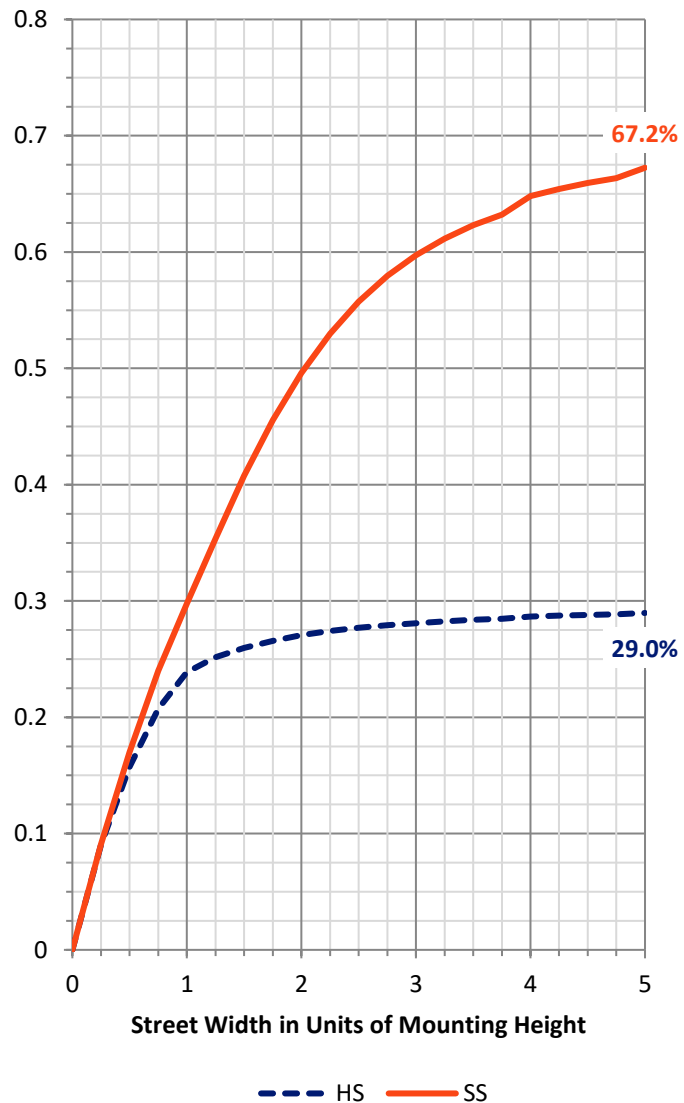
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1077.3	16.2	1093.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2519.2	63.3	2582.5
	% Fixture	68.5	1.7	70.3
Total	Lumens	3596.5	79.5	3676.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	1.3
10°-20°	136.4	3.7
20°-30°	242.3	6.6
30°-40°	405.2	11.0
40°-50°	370.1	10.1
50°-60°	549.3	14.9
60°-70°	901.1	24.5
70°-80°	773.4	21.0
80°-90°	171.5	4.7
90°-100°	57.9	1.6
100°-110°	14.3	0.4
110°-120°	4.6	0.1
120°-130°	2.6	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°	3596.5	97.8
0°-180°	3676.0	100.0

Coefficient of Utilization



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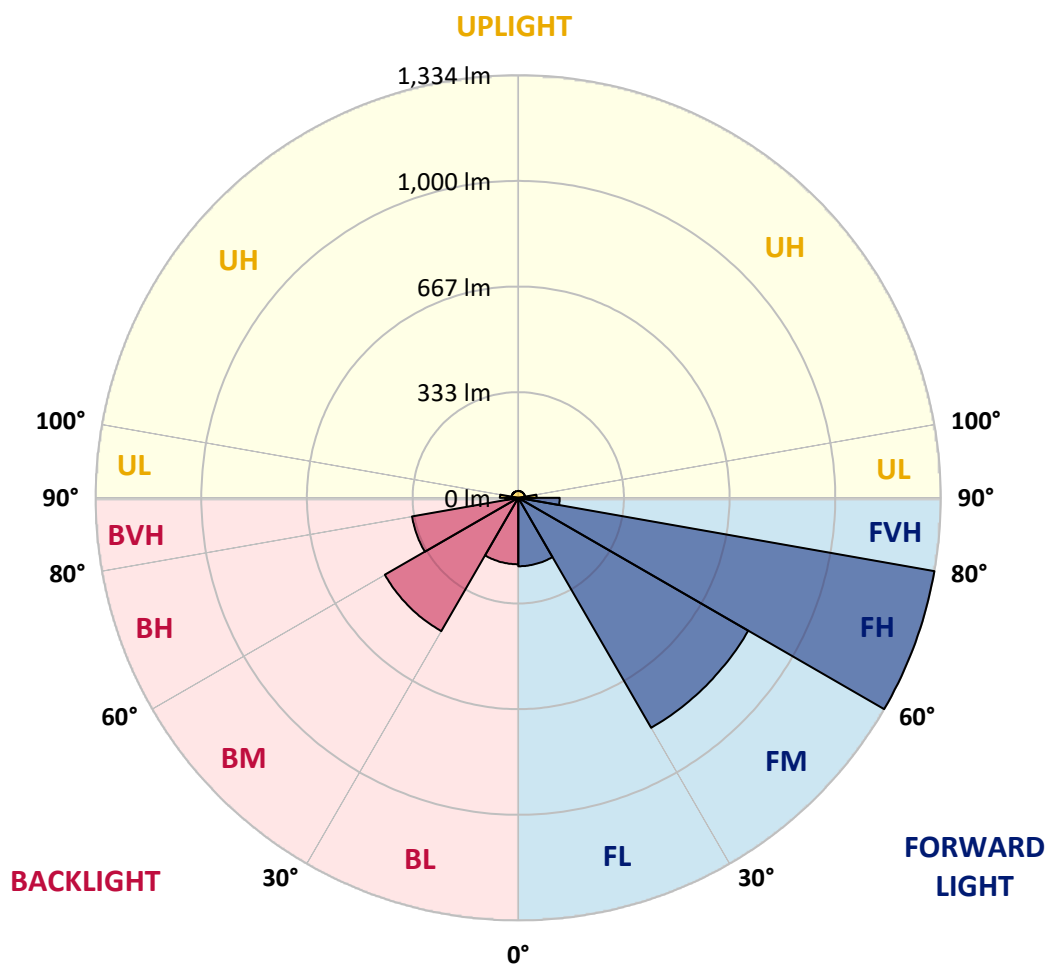
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.1	5.9			
FM	(30°-60°)	838.4	22.8			
FH	(60°-80°)	1334.0	36.3			G1/1800
FVH	(80°-90°)	130.8	3.6			G2/225
BL	(0°-30°)	209.9	5.7	B1/500		
BM	(30°-60°)	486.2	13.2	B1/1000		
BH	(60°-80°)	340.5	9.3	B1/500		G1/500
BVH	(80°-90°)	40.7	1.1			G1/100
UL	(90°-100°)	57.9	1.6		U3/500	
UH	(100°-180°)	21.6	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°	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4
2.5°	507.6	507.6	507.6	509.5	511.4	509.5	507.6	505.7	503.8	505.7	505.7
5°	505.7	505.7	507.6	507.6	509.5	511.4	509.5	507.6	505.7	505.7	505.7
7.5°	496.2	498.1	498.1	500.0	501.9	505.7	505.7	501.9	501.9	501.9	501.9
10°	486.7	486.7	488.6	490.5	492.4	496.2	496.2	492.4	494.3	496.2	496.2
12.5°	481.0	481.0	482.9	486.7	488.6	490.5	492.4	492.4	494.3	492.4	494.3
15°	477.2	477.2	477.2	482.9	488.6	490.5	494.3	496.2	498.1	498.1	498.1
17.5°	479.1	479.1	479.1	486.7	490.5	496.2	500.0	501.9	501.9	503.8	503.8
20°	482.9	482.9	484.8	490.5	498.1	503.8	507.6	509.5	509.5	513.3	513.3
22.5°	490.5	494.3	492.4	498.1	503.8	511.4	517.1	521.0	521.0	524.8	524.8
25°	507.6	505.7	507.6	513.3	519.0	524.8	528.6	534.3	536.2	540.0	540.0
27.5°	526.7	526.7	526.7	532.4	536.2	541.9	545.7	549.5	553.3	559.0	560.9
30°	555.2	553.3	551.4	557.1	560.9	566.6	570.4	572.3	572.3	576.1	579.9
32.5°	593.2	593.2	593.2	597.0	598.9	604.6	606.5	608.4	606.5	612.2	614.1
35°	640.7	640.7	642.6	646.4	652.1	655.9	657.8	655.9	657.8	661.6	665.4
37.5°	688.3	690.2	695.9	701.6	705.4	713.0	718.7	718.7	720.6	732.0	732.0
40°	557.1	562.8	568.5	581.8	598.9	621.7	659.7	675.0	718.7	741.5	747.2
42.5°	378.4	391.7	406.9	424.0	437.3	439.2	475.3	496.2	540.0	581.8	593.2
45°	361.2	376.5	391.7	380.3	389.8	359.3	395.5	399.3	420.2	452.5	538.1
47.5°	530.5	551.4	572.3	543.8	549.5	482.9	496.2	481.0	433.5	486.7	629.3
50°	692.1	690.2	720.6	707.3	722.5	650.2	655.9	625.5	551.4	625.5	829.0
52.5°	848.0	863.2	895.5	891.7	903.1	809.9	792.8	766.2	650.2	764.3	1003.9
55°	1028.6	1040.0	1070.4	1060.9	1055.2	962.0	931.6	905.0	792.8	941.1	1190.2
57.5°	1197.8	1203.5	1239.6	1207.3	1188.3	1118.0	1076.1	1032.4	922.1	1102.7	1319.5
60°	1359.4	1367.0	1387.9	1344.2	1313.8	1258.6	1207.3	1159.8	1057.1	1247.2	1439.3
62.5°	1511.5	1503.9	1513.4	1458.3	1437.4	1387.9	1332.8	1273.9	1184.5	1361.3	1555.2
65°	1599.0	1599.0	1610.4	1540.0	1507.7	1477.3	1416.5	1348.0	1266.3	1416.5	1627.5
67.5°	1682.6	1699.7	1694.0	1637.0	1595.2	1553.3	1484.9	1387.9	1306.2	1416.5	1631.3
70°	1652.2	1673.1	1650.3	1604.7	1562.9	1513.4	1450.7	1355.6	1264.4	1348.0	1543.8
72.5°	1521.0	1536.2	1526.7	1486.8	1435.5	1403.1	1336.6	1264.4	1157.9	1230.1	1401.2
75°	1342.3	1338.5	1355.6	1310.0	1266.3	1235.8	1171.2	1125.6	1026.7	1079.9	1243.4
77.5°	1081.8	1083.7	1119.9	1068.5	1034.3	1013.4	954.4	916.4	827.1	874.6	1000.1
80°	726.3	747.2	781.4	726.3	720.6	692.1	642.6	617.9	549.5	572.3	638.8
82.5°	302.3	311.8	323.2	306.1	300.4	290.9	270.0	262.4	235.8	247.2	247.2
85°	169.2	167.3	173.0	173.0	169.2	161.6	154.0	140.7	129.3	127.4	117.9
87.5°	142.6	144.5	148.3	148.3	140.7	135.0	125.5	116.0	106.5	100.8	91.3
90°	133.1	135.0	136.9	131.2	123.6	117.9	110.3	102.7	95.1	91.3	81.8
92.5°	127.4	127.4	127.4	119.8	112.2	106.5	100.8	93.2	87.5	83.7	76.1
95°	106.5	104.6	102.7	98.9	91.3	85.6	81.8	74.1	70.3	66.5	62.7
97.5°	79.9	78.0	76.1	74.1	66.5	62.7	60.8	57.0	53.2	47.5	45.6
100°	57.0	55.1	55.1	53.2	49.4	45.6	43.7	39.9	36.1	32.3	30.4
102.5°	38.0	36.1	36.1	34.2	32.3	30.4	26.6	24.7	20.9	19.0	17.1
105°	20.9	20.9	20.9	19.0	19.0	17.1	15.2	13.3	11.4	11.4	9.5
107.5°	15.2	15.2	15.2	15.2	13.3	13.3	11.4	9.5	9.5	7.6	7.6
110°	11.4	11.4	11.4	11.4	11.4	9.5	9.5	7.6	7.6	5.7	5.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.5	9.5	9.5	9.5	9.5	9.5	7.6	7.6	5.7	5.7	5.7
115°	9.5	9.5	9.5	9.5	7.6	7.6	5.7	5.7	5.7	5.7	3.8
117.5°	7.6	7.6	7.6	7.6	7.6	5.7	5.7	5.7	5.7	3.8	5.7
120°	7.6	7.6	7.6	7.6	5.7	5.7	5.7	3.8	3.8	3.8	3.8
122.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8
125°	5.7	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8	3.8	3.8
127.5°	5.7	5.7	3.8	5.7	3.8	3.8	3.8	3.8	3.8	1.9	3.8
130°	5.7	5.7	3.8	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9
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°	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4	511.4
2.5°	507.6	507.6	509.5	507.6	507.6	503.8	501.9	500.0	500.0	500.0
5°	505.7	505.7	503.8	500.0	498.1	494.3	490.5	488.6	486.7	488.6
7.5°	501.9	498.1	494.3	486.7	481.0	479.1	471.5	469.6	469.6	469.6
10°	494.3	490.5	481.0	471.5	467.7	462.0	456.3	450.6	452.5	454.4
12.5°	492.4	482.9	475.3	465.8	460.1	450.6	448.7	443.0	441.1	441.1
15°	494.3	486.7	477.2	469.6	462.0	458.2	450.6	448.7	443.0	446.8
17.5°	501.9	490.5	482.9	475.3	467.7	463.9	458.2	454.4	456.3	456.3
20°	509.5	498.1	490.5	484.8	477.2	471.5	469.6	465.8	467.7	463.9
22.5°	521.0	509.5	503.8	496.2	490.5	486.7	482.9	484.8	481.0	482.9
25°	536.2	526.7	519.0	513.3	507.6	503.8	503.8	503.8	501.9	503.8
27.5°	557.1	547.6	541.9	538.1	532.4	528.6	524.8	526.7	528.6	526.7
30°	576.1	564.7	562.8	559.0	555.2	553.3	553.3	553.3	553.3	557.1
32.5°	606.5	595.1	591.3	591.3	587.5	585.6	583.7	587.5	589.4	587.5
35°	654.0	638.8	635.0	633.1	631.2	631.2	633.1	633.1	633.1	633.1
37.5°	713.0	692.1	688.3	686.4	686.4	686.4	684.5	686.4	692.1	694.0
40°	739.6	726.3	732.0	741.5	747.2	747.2	745.3	749.1	754.8	754.8
42.5°	598.9	570.4	591.3	629.3	654.0	684.5	690.2	709.2	724.4	724.4
45°	486.7	368.8	376.5	401.2	412.6	439.2	454.4	471.5	481.0	467.7
47.5°	547.6	237.7	195.8	203.4	174.9	211.0	235.8	262.4	268.1	273.8
50°	859.4	245.3	165.4	119.8	79.9	106.5	112.2	127.4	123.6	125.5
52.5°	1043.8	281.4	165.4	106.5	66.5	70.3	64.6	72.2	76.1	83.7
55°	1171.2	338.4	214.8	135.0	78.0	47.5	32.3	24.7	22.8	22.8
57.5°	1232.0	414.5	279.5	192.0	121.7	66.5	28.5	20.9	19.0	17.1
60°	1289.1	496.2	353.6	262.4	192.0	117.9	53.2	20.9	17.1	17.1
62.5°	1340.4	578.0	427.8	340.3	270.0	184.4	98.9	36.1	19.0	19.0
65°	1382.2	595.1	433.5	368.8	290.9	216.7	129.3	43.7	20.9	20.9
67.5°	1393.6	566.6	418.3	338.4	271.9	184.4	100.8	36.1	24.7	22.8
70°	1317.6	538.1	420.2	321.3	245.3	163.5	66.5	41.8	32.3	30.4
72.5°	1192.1	498.1	399.3	311.8	235.8	165.4	78.0	68.4	60.8	57.0
75°	1049.5	450.6	368.8	298.5	228.2	159.7	91.3	85.6	78.0	76.1
77.5°	842.3	374.6	309.9	252.9	192.0	127.4	76.1	72.2	62.7	62.7
80°	553.3	279.5	233.9	193.9	146.4	89.4	57.0	51.3	45.6	43.7
82.5°	226.3	163.5	140.7	121.7	95.1	57.0	38.0	32.3	26.6	24.7
85°	110.3	81.8	70.3	57.0	47.5	32.3	24.7	20.9	15.2	15.2
87.5°	89.4	64.6	53.2	43.7	32.3	22.8	17.1	13.3	9.5	7.6
90°	81.8	57.0	45.6	36.1	26.6	19.0	11.4	9.5	5.7	3.8
92.5°	74.1	49.4	39.9	28.5	20.9	15.2	7.6	5.7	3.8	3.8
95°	60.8	38.0	30.4	22.8	17.1	11.4	7.6	3.8	1.9	1.9
97.5°	43.7	28.5	22.8	17.1	13.3	7.6	5.7	3.8	1.9	1.9
100°	30.4	19.0	17.1	13.3	9.5	5.7	3.8	1.9	1.9	1.9
102.5°	15.2	11.4	11.4	9.5	7.6	5.7	1.9	1.9	0.0	0.0
105°	9.5	7.6	7.6	5.7	3.8	3.8	1.9	1.9	0.0	0.0
107.5°	5.7	5.7	5.7	3.8	3.8	1.9	1.9	0.0	0.0	0.0
110°	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0
115°	3.8	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
117.5°	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
120°	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
122.5°	3.8	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
125°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	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)