

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: P691743

Luminaire Tested: **CRTK2-C018-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691743
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-C018-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 3877 lumens
Efficiency: N/A
Efficacy: 76.9 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): 50.4
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



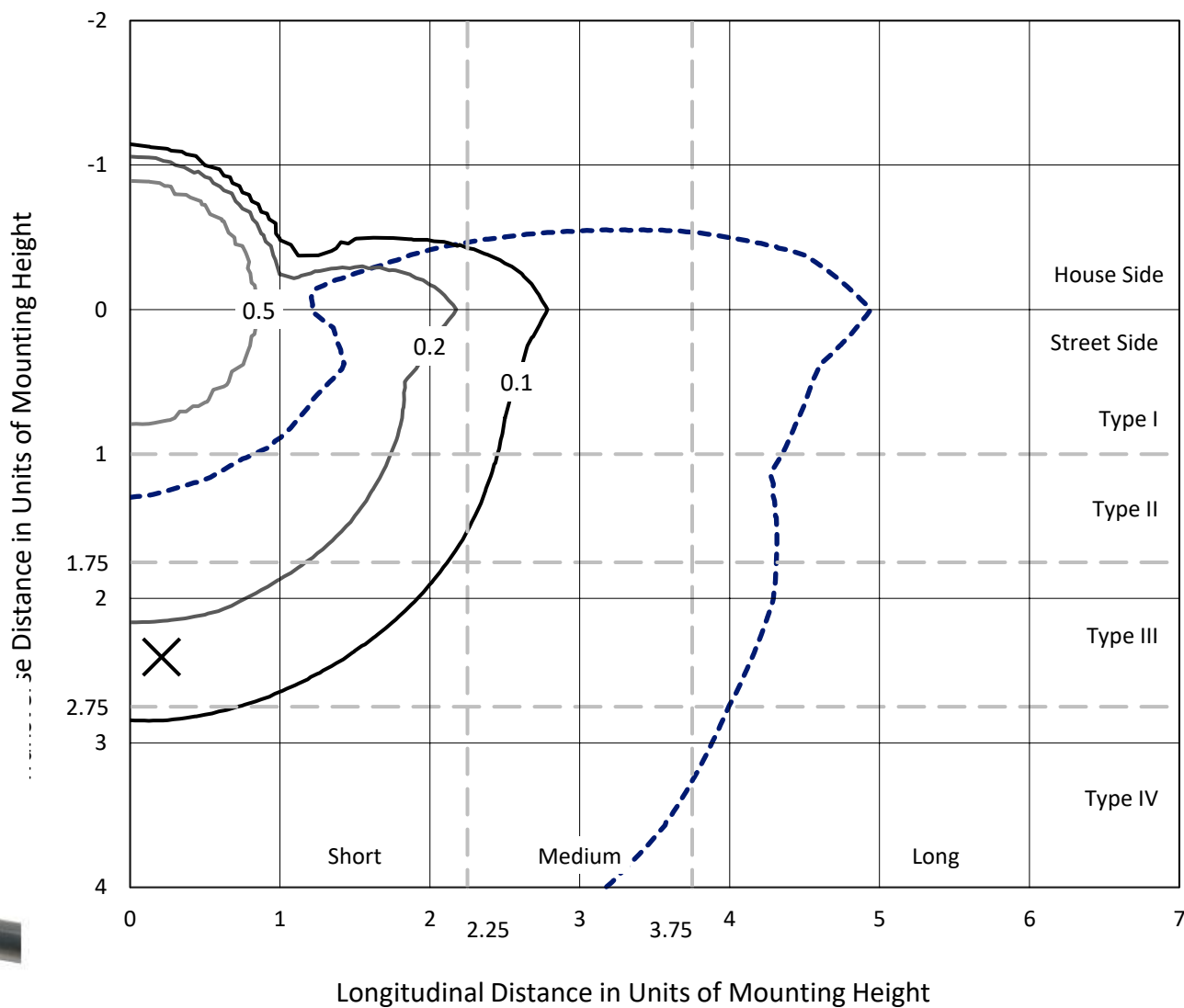
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

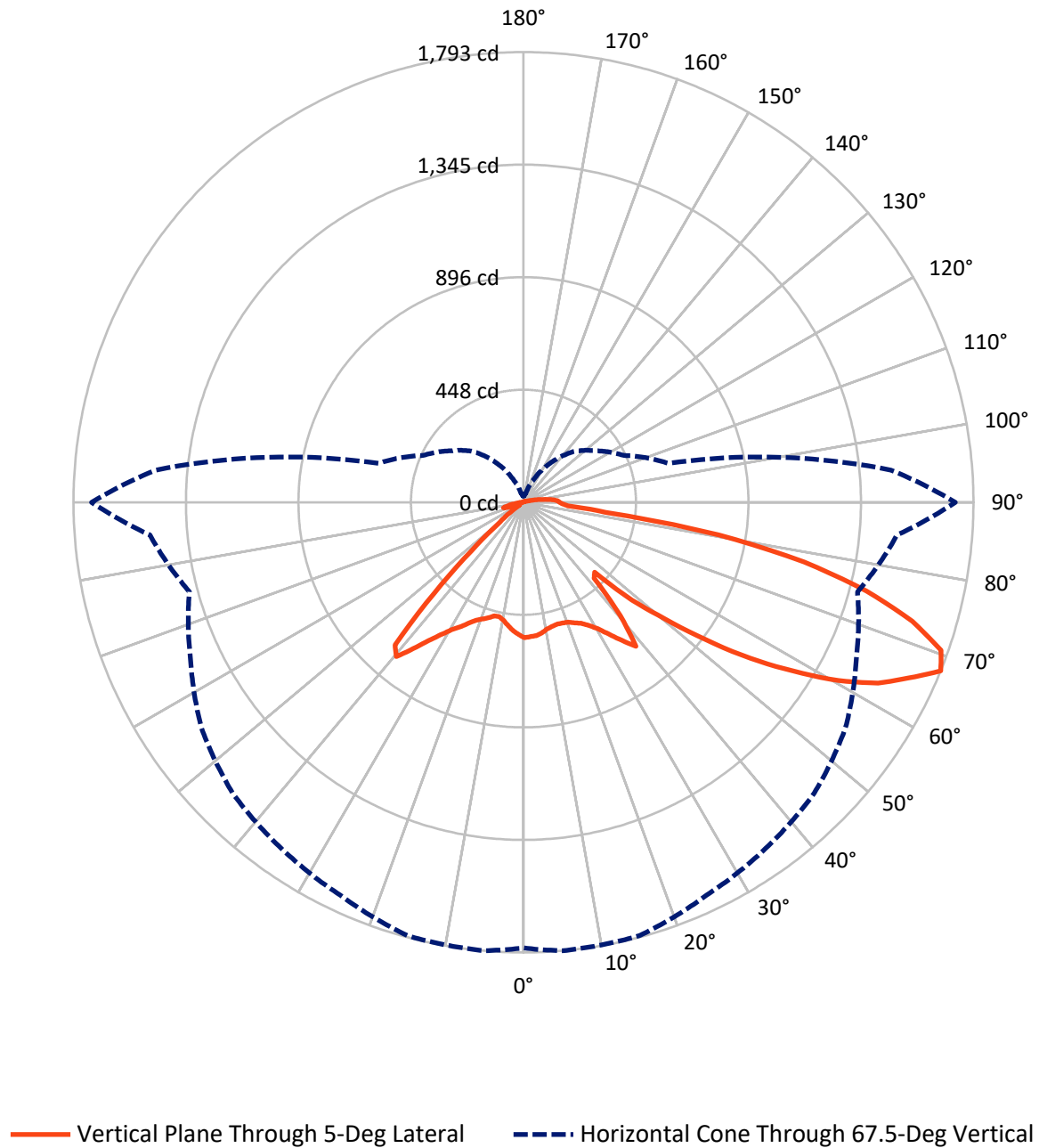


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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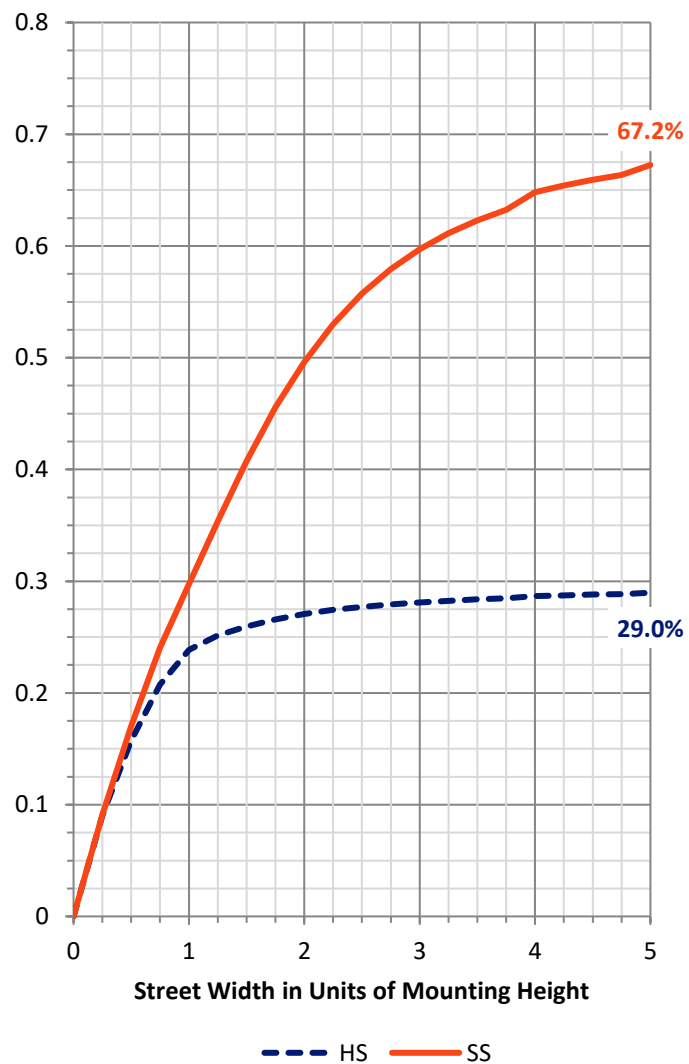
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1136.2	17.1	1153.3
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2656.9	66.7	2723.7
	% Fixture	68.5	1.7	70.3
Total	Lumens	3793.2	83.8	3877.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.3
10°-20°	143.8	3.7
20°-30°	255.6	6.6
30°-40°	427.4	11.0
40°-50°	390.3	10.1
50°-60°	579.3	14.9
60°-70°	950.4	24.5
70°-80°	815.7	21.0
80°-90°	180.9	4.7
90°-100°	61.1	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°	3793.2	97.8
0°-180°	3877.0	100.0

Coefficient of Utilization



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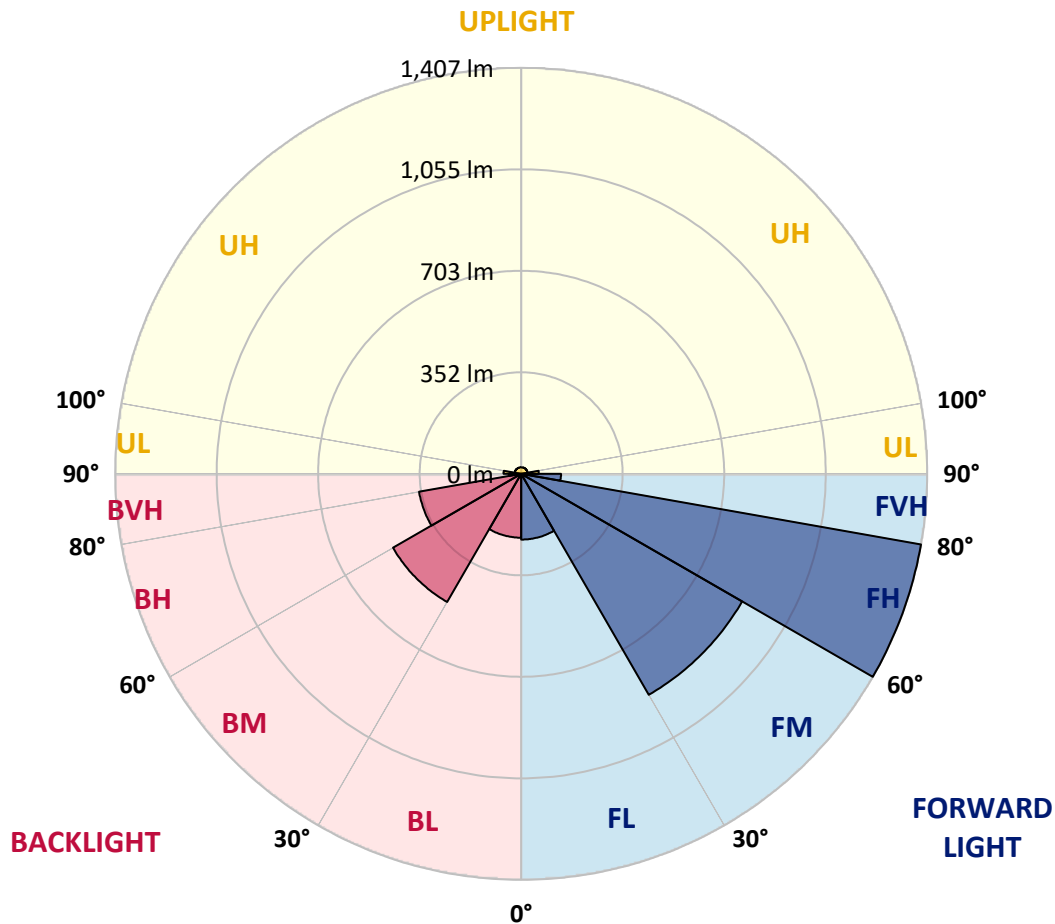
CATALOG NUMBER: CRTK2-C018-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	227.9	5.9			
FM	(30°-60°)	884.2	22.8			
FH	(60°-80°)	1406.9	36.3			G1/1800
FVH	(80°-90°)	137.9	3.6			G2/225
BL	(0°-30°)	221.4	5.7	B1/500		
BM	(30°-60°)	512.8	13.2	B1/1000		
BH	(60°-80°)	359.1	9.3	B1/500		G1/500
BVH	(80°-90°)	43.0	1.1			G1/100
UL	(90°-100°)	61.1	1.6		U3/500	
UH	(100°-180°)	22.8	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°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	535.4	535.4	535.4	537.4	539.4	537.4	535.4	533.4	531.4	533.4	533.4
5°	533.4	533.4	535.4	535.4	537.4	539.4	537.4	535.4	533.4	533.4	533.4
7.5°	523.4	525.4	525.4	527.4	529.4	533.4	533.4	529.4	529.4	529.4	529.4
10°	513.3	513.3	515.3	517.4	519.4	523.4	523.4	519.4	521.4	523.4	523.4
12.5°	507.3	507.3	509.3	513.3	515.3	517.4	519.4	519.4	521.4	519.4	521.4
15°	503.3	503.3	503.3	509.3	515.3	517.4	521.4	523.4	525.4	525.4	525.4
17.5°	505.3	505.3	505.3	513.3	517.4	523.4	527.4	529.4	529.4	531.4	531.4
20°	509.3	509.3	511.3	517.4	525.4	531.4	535.4	537.4	537.4	541.4	541.4
22.5°	517.4	521.4	519.4	525.4	531.4	539.4	545.4	549.4	549.4	553.4	553.4
25°	535.4	533.4	535.4	541.4	547.4	553.4	557.5	563.5	565.5	569.5	569.5
27.5°	555.5	555.5	555.5	561.5	565.5	571.5	575.5	579.5	583.5	589.5	591.5
30°	585.5	583.5	581.5	587.5	591.5	597.6	601.6	603.6	603.6	607.6	611.6
32.5°	625.6	625.6	625.6	629.6	631.7	637.7	639.7	641.7	639.7	645.7	647.7
35°	675.8	675.8	677.8	681.8	687.8	691.8	693.8	691.8	693.8	697.8	701.8
37.5°	725.9	727.9	733.9	739.9	743.9	752.0	758.0	758.0	760.0	772.0	772.0
40°	587.5	593.6	599.6	613.6	631.7	655.7	695.8	711.9	758.0	782.0	788.1
42.5°	399.0	413.1	429.1	447.2	461.2	463.2	501.3	523.4	569.5	613.6	625.6
45°	381.0	397.0	413.1	401.0	411.1	379.0	417.1	421.1	443.2	477.2	567.5
47.5°	559.5	581.5	603.6	573.5	579.5	509.3	523.4	507.3	457.2	513.3	663.7
50°	729.9	727.9	760.0	745.9	762.0	685.8	691.8	659.7	581.5	659.7	874.3
52.5°	894.3	910.4	944.5	940.5	952.5	854.2	836.2	808.1	685.8	806.1	1058.8
55°	1084.8	1096.9	1129.0	1118.9	1112.9	1014.7	982.6	954.5	836.2	992.6	1255.3
57.5°	1263.3	1269.3	1307.4	1273.3	1253.3	1179.1	1135.0	1088.8	972.5	1163.0	1391.6
60°	1433.7	1441.8	1463.8	1417.7	1385.6	1327.5	1273.3	1223.2	1114.9	1315.4	1518.0
62.5°	1594.2	1586.1	1596.2	1538.0	1516.0	1463.8	1405.7	1343.5	1249.3	1435.8	1640.3
65°	1686.4	1686.4	1698.4	1624.2	1590.2	1558.1	1493.9	1421.7	1335.5	1493.9	1716.5
67.5°	1774.6	1792.7	1786.7	1726.5	1682.4	1638.3	1566.1	1463.8	1377.6	1493.9	1720.5
70°	1742.6	1764.6	1740.5	1692.4	1648.3	1596.2	1530.0	1429.7	1333.5	1421.7	1628.3
72.5°	1604.2	1620.2	1610.2	1568.1	1514.0	1479.9	1409.7	1333.5	1221.2	1297.4	1477.9
75°	1415.7	1411.7	1429.7	1381.6	1335.5	1303.4	1235.2	1187.1	1082.8	1139.0	1311.4
77.5°	1141.0	1143.0	1181.1	1126.9	1090.9	1068.8	1006.6	966.5	872.3	922.4	1054.8
80°	766.0	788.1	824.2	766.0	760.0	729.9	677.8	651.7	579.5	603.6	673.8
82.5°	318.8	328.9	340.9	322.8	316.8	306.8	284.7	276.7	248.6	260.7	260.7
85°	178.5	176.5	182.5	182.5	178.5	170.4	162.4	148.4	136.4	134.4	124.3
87.5°	150.4	152.4	156.4	156.4	148.4	142.4	132.3	122.3	112.3	106.3	96.3
90°	140.4	142.4	144.4	138.4	130.3	124.3	116.3	108.3	100.3	96.3	86.2
92.5°	134.4	134.4	134.4	126.3	118.3	112.3	106.3	98.3	92.2	88.2	80.2
95°	112.3	110.3	108.3	104.3	96.3	90.2	86.2	78.2	74.2	70.2	66.2
97.5°	84.2	82.2	80.2	78.2	70.2	66.2	64.2	60.2	56.1	50.1	48.1
100°	60.2	58.2	58.2	56.1	52.1	48.1	46.1	42.1	38.1	34.1	32.1
102.5°	40.1	38.1	38.1	36.1	34.1	32.1	28.1	26.1	22.1	20.1	18.0
105°	22.1	22.1	22.1	20.1	20.1	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°	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4	539.4
2.5°	535.4	535.4	537.4	535.4	535.4	531.4	529.4	527.4	527.4	527.4
5°	533.4	533.4	531.4	527.4	525.4	521.4	517.4	515.3	513.3	515.3
7.5°	529.4	525.4	521.4	513.3	507.3	505.3	497.3	495.3	495.3	495.3
10°	521.4	517.4	507.3	497.3	493.3	487.3	481.3	475.2	477.2	479.3
12.5°	519.4	509.3	501.3	491.3	485.3	475.2	473.2	467.2	465.2	465.2
15°	521.4	513.3	503.3	495.3	487.3	483.3	475.2	473.2	467.2	471.2
17.5°	529.4	517.4	509.3	501.3	493.3	489.3	483.3	479.3	481.3	481.3
20°	537.4	525.4	517.4	511.3	503.3	497.3	495.3	491.3	493.3	489.3
22.5°	549.4	537.4	531.4	523.4	517.4	513.3	509.3	511.3	507.3	509.3
25°	565.5	555.5	547.4	541.4	535.4	531.4	531.4	531.4	529.4	531.4
27.5°	587.5	577.5	571.5	567.5	561.5	557.5	553.4	555.5	557.5	555.5
30°	607.6	595.6	593.6	589.5	585.5	583.5	583.5	583.5	583.5	587.5
32.5°	639.7	627.6	623.6	623.6	619.6	617.6	615.6	619.6	621.6	619.6
35°	689.8	673.8	669.8	667.7	665.7	665.7	667.7	667.7	667.7	667.7
37.5°	752.0	729.9	725.9	723.9	723.9	723.9	721.9	723.9	729.9	731.9
40°	780.0	766.0	772.0	782.0	788.1	788.1	786.1	790.1	796.1	796.1
42.5°	631.7	601.6	623.6	663.7	689.8	721.9	727.9	748.0	764.0	764.0
45°	513.3	389.0	397.0	423.1	435.1	463.2	479.3	497.3	507.3	493.3
47.5°	577.5	250.7	206.5	214.6	184.5	222.6	248.6	276.7	282.7	288.8
50°	906.4	258.7	174.5	126.3	84.2	112.3	118.3	134.4	130.3	132.3
52.5°	1100.9	296.8	174.5	112.3	70.2	74.2	68.2	76.2	80.2	88.2
55°	1235.2	356.9	226.6	142.4	82.2	50.1	34.1	26.1	24.1	24.1
57.5°	1299.4	437.1	294.8	202.5	128.3	70.2	30.1	22.1	20.1	18.0
60°	1359.6	523.4	373.0	276.7	202.5	124.3	56.1	22.1	18.0	18.0
62.5°	1413.7	609.6	451.2	358.9	284.7	194.5	104.3	38.1	20.1	20.1
65°	1457.8	627.6	457.2	389.0	306.8	228.6	136.4	46.1	22.1	22.1
67.5°	1469.8	597.6	441.2	356.9	286.7	194.5	106.3	38.1	26.1	24.1
70°	1389.6	567.5	443.2	338.9	258.7	172.5	70.2	44.1	34.1	32.1
72.5°	1257.3	525.4	421.1	328.9	248.6	174.5	82.2	72.2	64.2	60.2
75°	1106.9	475.2	389.0	314.8	240.6	168.4	96.3	90.2	82.2	80.2
77.5°	888.3	395.0	326.9	266.7	202.5	134.4	80.2	76.2	66.2	66.2
80°	583.5	294.8	246.6	204.5	154.4	94.2	60.2	54.1	48.1	46.1
82.5°	238.6	172.5	148.4	128.3	100.3	60.2	40.1	34.1	28.1	26.1
85°	116.3	86.2	74.2	60.2	50.1	34.1	26.1	22.1	16.0	16.0
87.5°	94.2	68.2	56.1	46.1	34.1	24.1	18.0	14.0	10.0	8.0
90°	86.2	60.2	48.1	38.1	28.1	20.1	12.0	10.0	6.0	4.0
92.5°	78.2	52.1	42.1	30.1	22.1	16.0	8.0	6.0	4.0	4.0
95°	64.2	40.1	32.1	24.1	18.0	12.0	8.0	4.0	2.0	2.0
97.5°	46.1	30.1	24.1	18.0	14.0	8.0	6.0	4.0	2.0	2.0
100°	32.1	20.1	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-C018-D-U-T5R-8027-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)