

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: P691453

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691453
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-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 3976 lumens
Efficiency: N/A
Efficacy: 92.9 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): 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

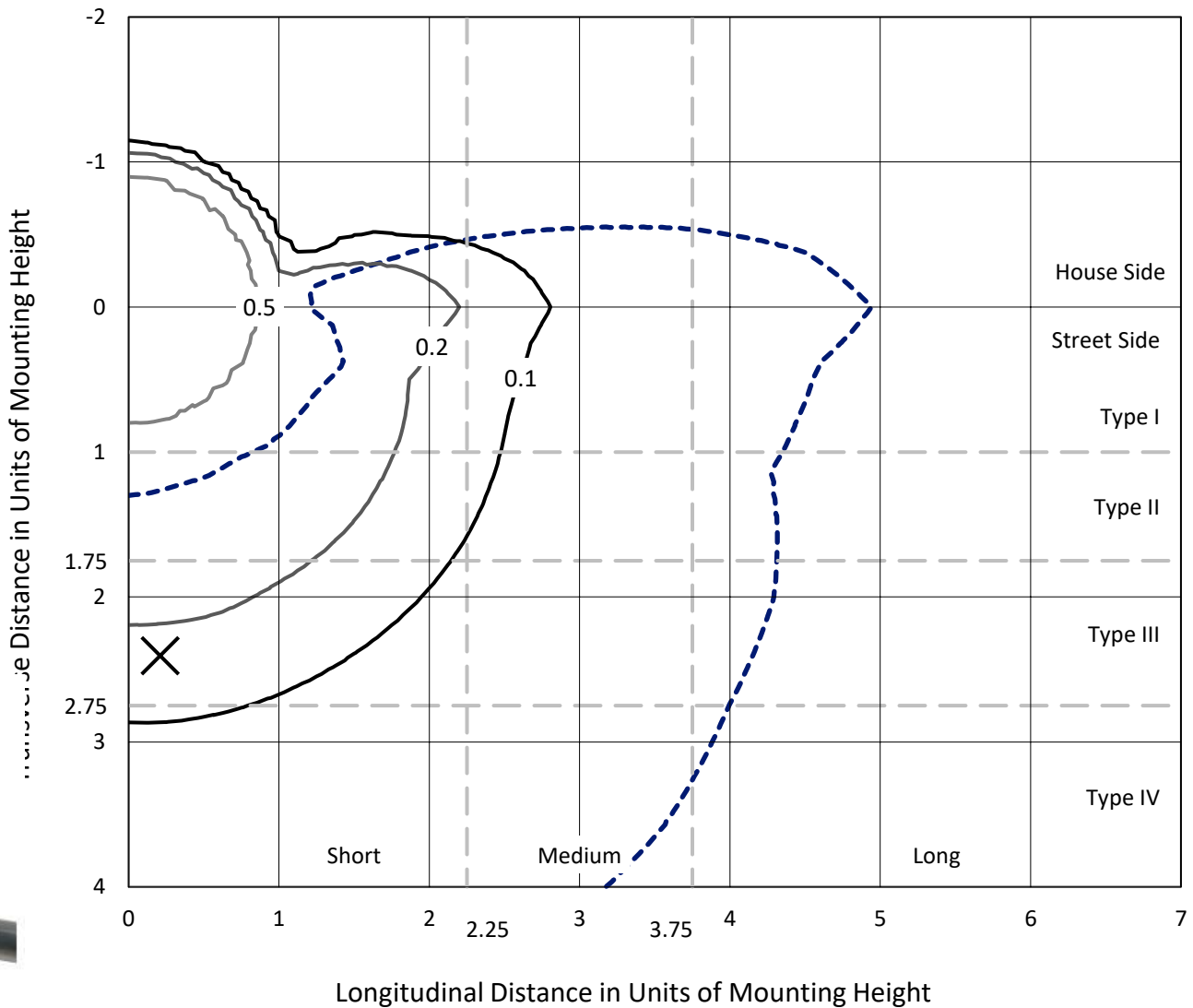


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

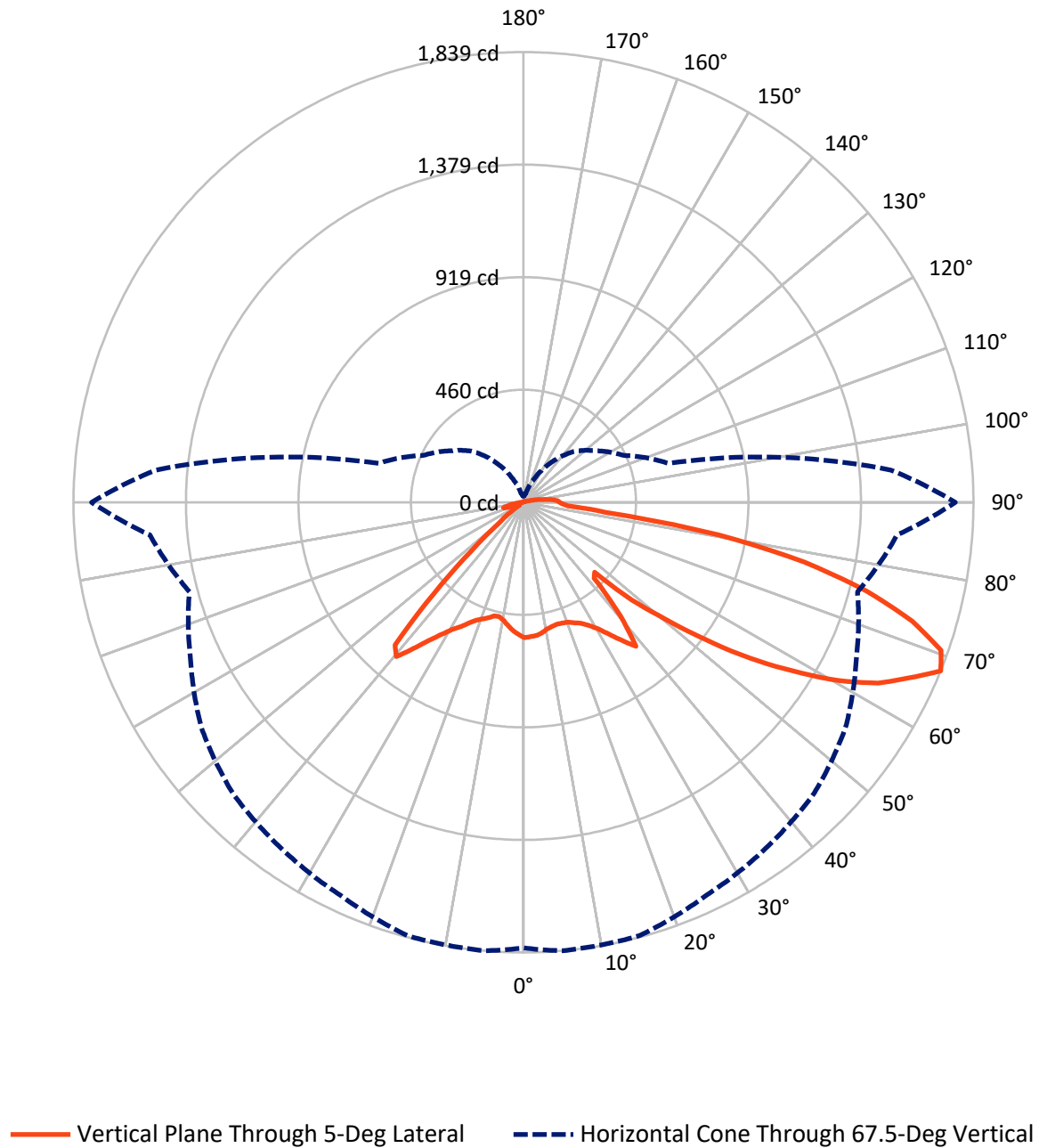


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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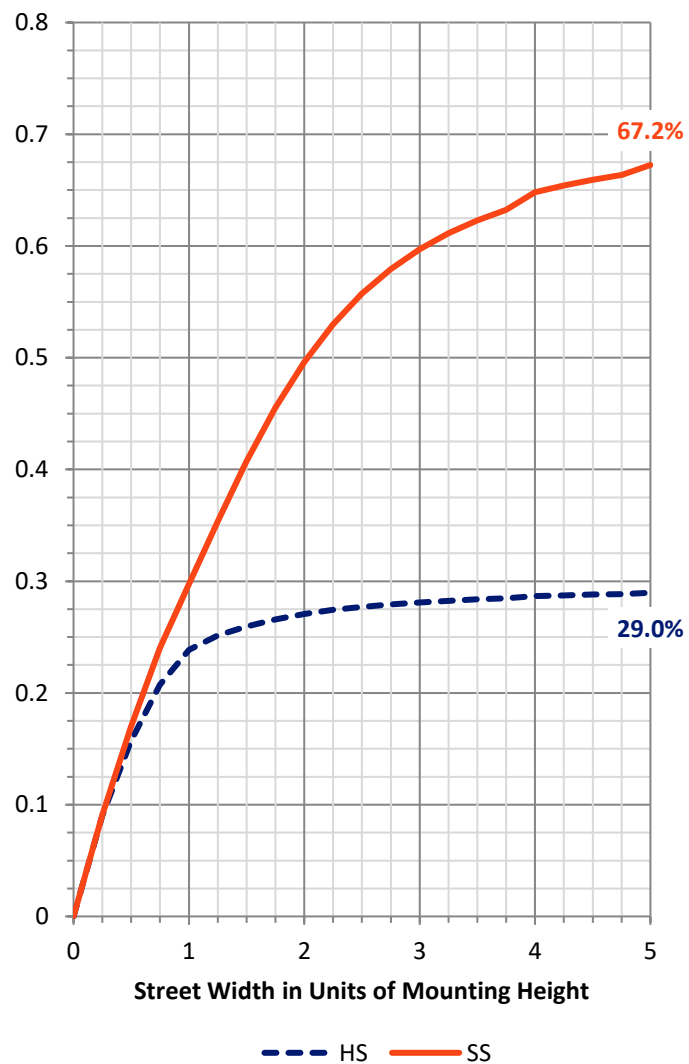
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1165.3	17.5	1182.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2724.8	68.5	2793.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	3890.0	86.0	3976.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	1.3
10°-20°	147.5	3.7
20°-30°	262.1	6.6
30°-40°	438.3	11.0
40°-50°	400.2	10.1
50°-60°	594.1	14.9
60°-70°	974.7	24.5
70°-80°	836.5	21.0
80°-90°	185.5	4.7
90°-100°	62.6	1.6
100°-110°	15.4	0.4
110°-120°	4.9	0.1
120°-130°	2.8	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°	3890.0	97.8
0°-180°	3976.0	100.0

Coefficient of Utilization



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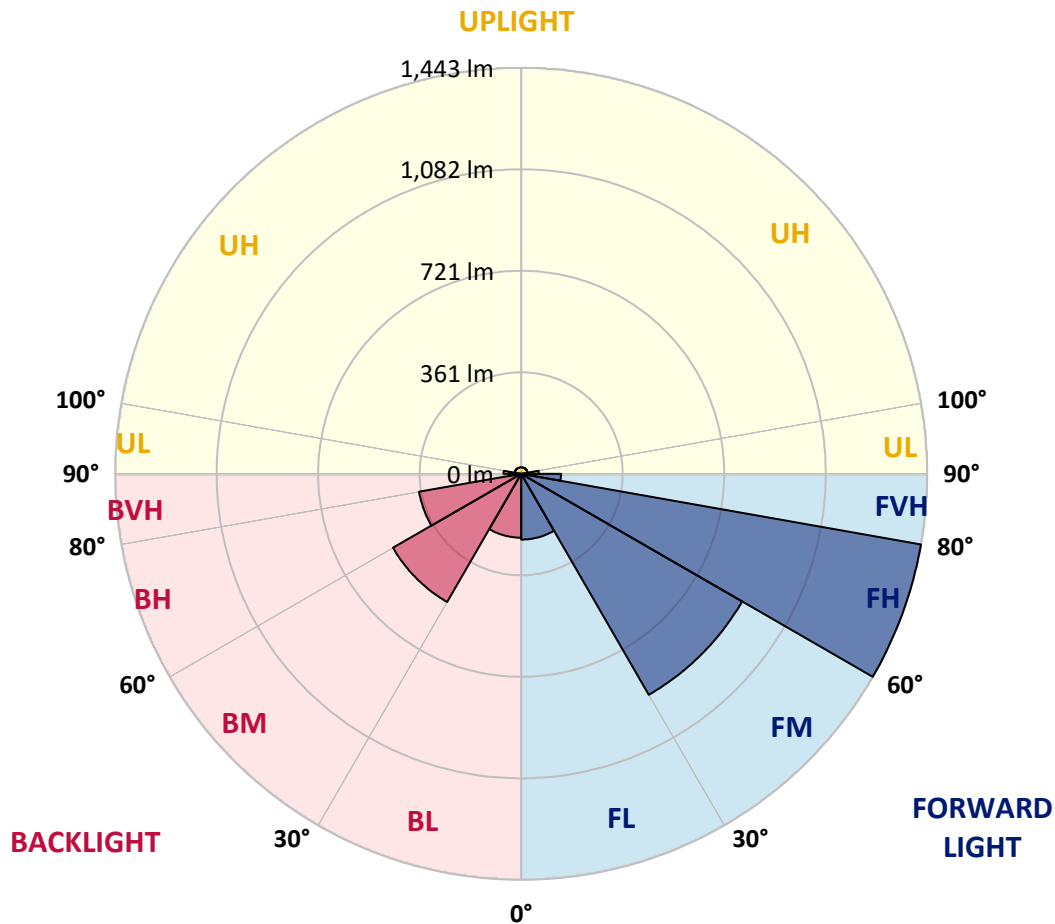
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.7	5.9			
FM	(30°-60°)	906.8	22.8			
FH	(60°-80°)	1442.8	36.3			G1/1800
FVH	(80°-90°)	141.5	3.6			G2/225
BL	(0°-30°)	227.0	5.7	B1/500		
BM	(30°-60°)	525.9	13.2	B1/1000		
BH	(60°-80°)	368.3	9.3	B1/500		G1/500
BVH	(80°-90°)	44.1	1.1			G1/100
UL	(90°-100°)	62.6	1.6		U3/500	
UH	(100°-180°)	23.4	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°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2
2.5°	549.1	549.1	549.1	551.1	553.2	551.1	549.1	547.0	545.0	547.0	547.0
5°	547.0	547.0	549.1	549.1	551.1	553.2	551.1	549.1	547.0	547.0	547.0
7.5°	536.7	538.8	538.8	540.8	542.9	547.0	547.0	542.9	542.9	542.9	542.9
10°	526.5	526.5	528.5	530.6	532.6	536.7	536.7	532.6	534.7	536.7	536.7
12.5°	520.3	520.3	522.3	526.5	528.5	530.6	532.6	532.6	534.7	532.6	534.7
15°	516.2	516.2	516.2	522.3	528.5	530.6	534.7	536.7	538.8	538.8	538.8
17.5°	518.2	518.2	518.2	526.5	530.6	536.7	540.8	542.9	542.9	545.0	545.0
20°	522.3	522.3	524.4	530.6	538.8	545.0	549.1	551.1	551.1	555.2	555.2
22.5°	530.6	534.7	532.6	538.8	545.0	553.2	559.4	563.5	563.5	567.6	567.6
25°	549.1	547.0	549.1	555.2	561.4	567.6	571.7	577.9	579.9	584.0	584.0
27.5°	569.6	569.6	569.6	575.8	579.9	586.1	590.2	594.3	598.4	604.6	606.7
30°	600.5	598.4	596.4	602.5	606.7	612.8	616.9	619.0	619.0	623.1	627.2
32.5°	641.6	641.6	641.6	645.7	647.8	653.9	656.0	658.1	656.0	662.2	664.2
35°	693.0	693.0	695.1	699.2	705.4	709.5	711.5	709.5	711.5	715.6	719.8
37.5°	744.4	746.5	752.7	758.8	762.9	771.2	777.3	777.3	779.4	791.7	791.7
40°	602.5	608.7	614.9	629.3	647.8	672.5	713.6	730.0	777.3	802.0	808.2
42.5°	409.2	423.6	440.1	458.6	473.0	475.0	514.1	536.7	584.0	629.3	641.6
45°	390.7	407.2	423.6	411.3	421.6	388.7	427.7	431.9	454.5	489.4	582.0
47.5°	573.7	596.4	619.0	588.1	594.3	522.3	536.7	520.3	468.9	526.5	680.7
50°	748.5	746.5	779.4	765.0	781.4	703.3	709.5	676.6	596.4	676.6	896.6
52.5°	917.2	933.6	968.6	964.5	976.8	876.0	857.5	828.7	703.3	826.7	1085.8
55°	1112.5	1124.9	1157.8	1147.5	1141.3	1040.6	1007.7	978.9	857.5	1017.9	1287.3
57.5°	1295.6	1301.7	1340.8	1305.8	1285.3	1209.2	1163.9	1116.6	997.4	1192.7	1427.2
60°	1470.4	1478.6	1501.2	1453.9	1421.0	1361.4	1305.8	1254.4	1143.4	1349.0	1556.7
62.5°	1634.9	1626.6	1636.9	1577.3	1554.7	1501.2	1441.6	1377.8	1281.2	1472.4	1682.2
65°	1729.5	1729.5	1741.8	1665.7	1630.8	1597.9	1532.1	1458.0	1369.6	1532.1	1760.3
67.5°	1820.0	1838.5	1832.3	1770.6	1725.4	1680.1	1606.1	1501.2	1412.8	1532.1	1764.4
70°	1787.1	1809.7	1785.0	1735.6	1690.4	1636.9	1569.1	1466.2	1367.5	1458.0	1669.8
72.5°	1645.2	1661.6	1651.3	1608.1	1552.6	1517.7	1445.7	1367.5	1252.4	1330.5	1515.6
75°	1451.9	1447.7	1466.2	1416.9	1369.6	1336.7	1266.8	1217.4	1110.5	1168.1	1344.9
77.5°	1170.1	1172.2	1211.2	1155.7	1118.7	1096.1	1032.3	991.2	894.6	946.0	1081.7
80°	785.6	808.2	845.2	785.6	779.4	748.5	695.1	668.3	594.3	619.0	691.0
82.5°	327.0	337.3	349.6	331.1	324.9	314.6	292.0	283.8	255.0	267.3	267.3
85°	183.0	181.0	187.1	187.1	183.0	174.8	166.6	152.2	139.8	137.8	127.5
87.5°	154.2	156.3	160.4	160.4	152.2	146.0	135.7	125.4	115.2	109.0	98.7
90°	144.0	146.0	148.1	141.9	133.7	127.5	119.3	111.0	102.8	98.7	88.4
92.5°	137.8	137.8	137.8	129.6	121.3	115.2	109.0	100.8	94.6	90.5	82.3
95°	115.2	113.1	111.0	106.9	98.7	92.5	88.4	80.2	76.1	72.0	67.9
97.5°	86.4	84.3	82.3	80.2	72.0	67.9	65.8	61.7	57.6	51.4	49.4
100°	61.7	59.6	59.6	57.6	53.5	49.4	47.3	43.2	39.1	35.0	32.9
102.5°	41.1	39.1	39.1	37.0	35.0	32.9	28.8	26.7	22.6	20.6	18.5
105°	22.6	22.6	22.6	20.6	20.6	18.5	16.5	14.4	12.3	12.3	10.3
107.5°	16.5	16.5	16.5	16.5	14.4	14.4	12.3	10.3	10.3	8.2	8.2
110°	12.3	12.3	12.3	12.3	12.3	10.3	10.3	8.2	8.2	6.2	6.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2
115°	10.3	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2	4.1
117.5°	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	4.1	6.2
120°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1
122.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1
125°	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1
127.5°	6.2	6.2	4.1	6.2	4.1	4.1	4.1	4.1	4.1	2.1	4.1
130°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1
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°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2
2.5°	549.1	549.1	551.1	549.1	549.1	545.0	542.9	540.8	540.8	540.8
5°	547.0	547.0	545.0	540.8	538.8	534.7	530.6	528.5	526.5	528.5
7.5°	542.9	538.8	534.7	526.5	520.3	518.2	510.0	507.9	507.9	507.9
10°	534.7	530.6	520.3	510.0	505.9	499.7	493.5	487.4	489.4	491.5
12.5°	532.6	522.3	514.1	503.8	497.7	487.4	485.3	479.2	477.1	477.1
15°	534.7	526.5	516.2	507.9	499.7	495.6	487.4	485.3	479.2	483.3
17.5°	542.9	530.6	522.3	514.1	505.9	501.8	495.6	491.5	493.5	493.5
20°	551.1	538.8	530.6	524.4	516.2	510.0	507.9	503.8	505.9	501.8
22.5°	563.5	551.1	545.0	536.7	530.6	526.5	522.3	524.4	520.3	522.3
25°	579.9	569.6	561.4	555.2	549.1	545.0	545.0	545.0	542.9	545.0
27.5°	602.5	592.3	586.1	582.0	575.8	571.7	567.6	569.6	571.7	569.6
30°	623.1	610.8	608.7	604.6	600.5	598.4	598.4	598.4	598.4	602.5
32.5°	656.0	643.7	639.6	639.6	635.4	633.4	631.3	635.4	637.5	635.4
35°	707.4	691.0	686.9	684.8	682.7	682.7	684.8	684.8	684.8	684.8
37.5°	771.2	748.5	744.4	742.4	742.4	742.4	740.3	742.4	748.5	750.6
40°	800.0	785.6	791.7	802.0	808.2	808.2	806.1	810.2	816.4	816.4
42.5°	647.8	616.9	639.6	680.7	707.4	740.3	746.5	767.1	783.5	783.5
45°	526.5	399.0	407.2	433.9	446.2	475.0	491.5	510.0	520.3	505.9
47.5°	592.3	257.1	211.8	220.0	189.2	228.3	255.0	283.8	290.0	296.1
50°	929.5	265.3	178.9	129.6	86.4	115.2	121.3	137.8	133.7	135.7
52.5°	1129.0	304.4	178.9	115.2	72.0	76.1	69.9	78.1	82.3	90.5
55°	1266.8	366.0	232.4	146.0	84.3	51.4	35.0	26.7	24.7	24.7
57.5°	1332.6	448.3	302.3	207.7	131.6	72.0	30.8	22.6	20.6	18.5
60°	1394.3	536.7	382.5	283.8	207.7	127.5	57.6	22.6	18.5	18.5
62.5°	1449.8	625.2	462.7	368.1	292.0	199.5	106.9	39.1	20.6	20.6
65°	1495.0	643.7	468.9	399.0	314.6	234.4	139.8	47.3	22.6	22.6
67.5°	1507.4	612.8	452.4	366.0	294.1	199.5	109.0	39.1	26.7	24.7
70°	1425.1	582.0	454.5	347.5	265.3	176.9	72.0	45.2	35.0	32.9
72.5°	1289.4	538.8	431.9	337.3	255.0	178.9	84.3	74.0	65.8	61.7
75°	1135.2	487.4	399.0	322.9	246.8	172.7	98.7	92.5	84.3	82.3
77.5°	911.0	405.1	335.2	273.5	207.7	137.8	82.3	78.1	67.9	67.9
80°	598.4	302.3	252.9	209.8	158.3	96.7	61.7	55.5	49.4	47.3
82.5°	244.7	176.9	152.2	131.6	102.8	61.7	41.1	35.0	28.8	26.7
85°	119.3	88.4	76.1	61.7	51.4	35.0	26.7	22.6	16.5	16.5
87.5°	96.7	69.9	57.6	47.3	35.0	24.7	18.5	14.4	10.3	8.2
90°	88.4	61.7	49.4	39.1	28.8	20.6	12.3	10.3	6.2	4.1
92.5°	80.2	53.5	43.2	30.8	22.6	16.5	8.2	6.2	4.1	4.1
95°	65.8	41.1	32.9	24.7	18.5	12.3	8.2	4.1	2.1	2.1
97.5°	47.3	30.8	24.7	18.5	14.4	8.2	6.2	4.1	2.1	2.1
100°	32.9	20.6	18.5	14.4	10.3	6.2	4.1	2.1	2.1	2.1
102.5°	16.5	12.3	12.3	10.3	8.2	6.2	2.1	2.1	0.0	0.0
105°	10.3	8.2	8.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0
107.5°	6.2	6.2	6.2	4.1	4.1	2.1	2.1	0.0	0.0	0.0
110°	6.2	4.1	4.1	4.1	2.1	2.1	2.1	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
115°	4.1	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
117.5°	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
120°	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	4.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	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)