

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: P692005

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692005
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-C01HO-D-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: 7346 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

Input Watts (W): 79
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

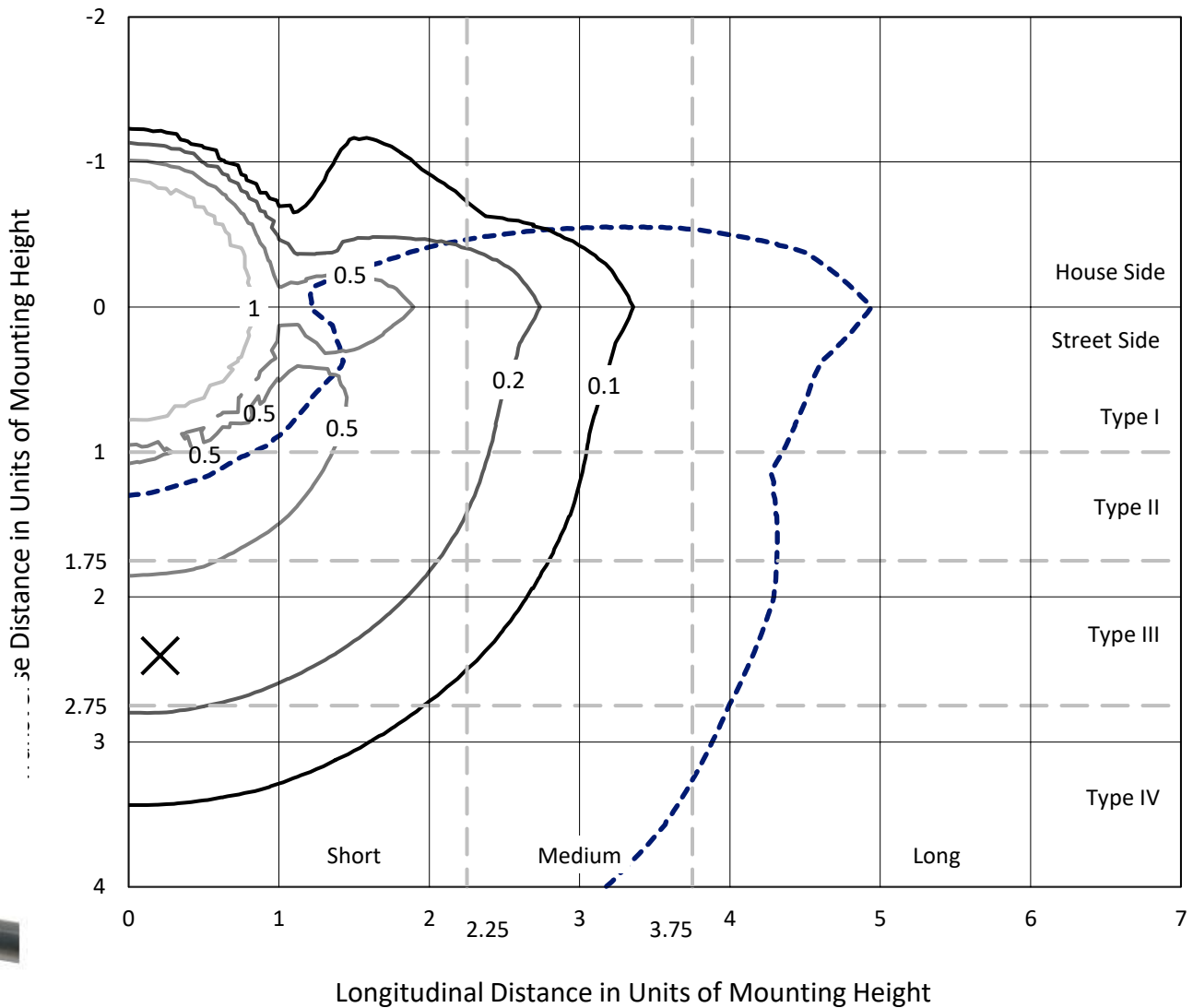


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

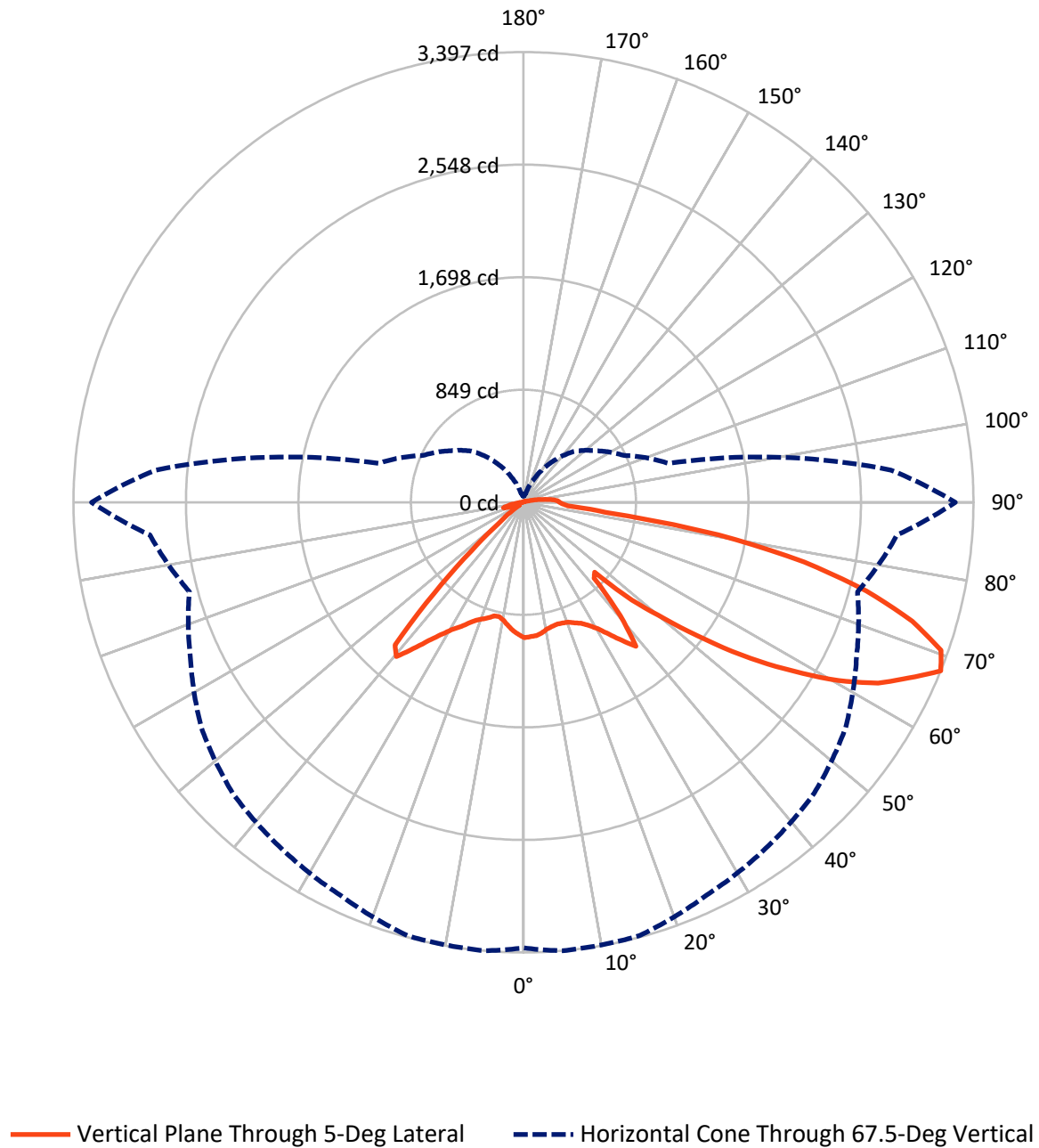


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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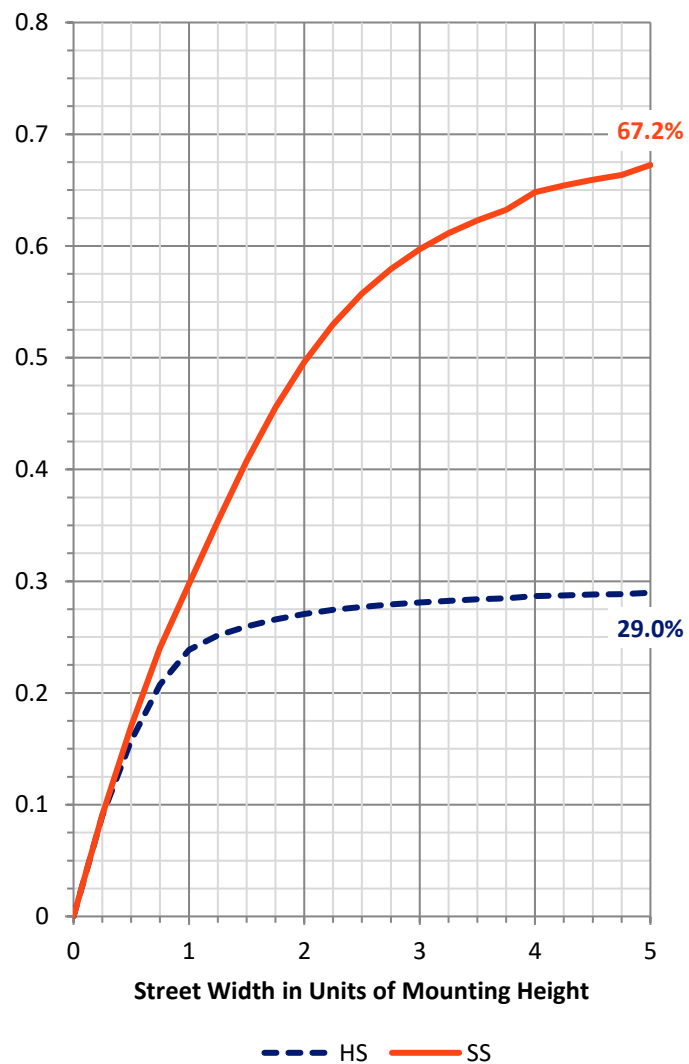
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2152.9	32.4	2185.3
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	5034.2	126.5	5160.7
	% Fixture	68.5	1.7	70.3
Total	Lumens	7187.2	158.9	7346.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.3
10°-20°	272.5	3.7
20°-30°	484.2	6.6
30°-40°	809.8	11.0
40°-50°	739.5	10.1
50°-60°	1097.7	14.9
60°-70°	1800.8	24.5
70°-80°	1545.5	21.0
80°-90°	342.8	4.7
90°-100°	115.7	1.6
100°-110°	28.5	0.4
110°-120°	9.1	0.1
120°-130°	5.1	0.1
130°-140°	0.4	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°	7187.2	97.8
0°-180°	7346.0	100.0

Coefficient of Utilization



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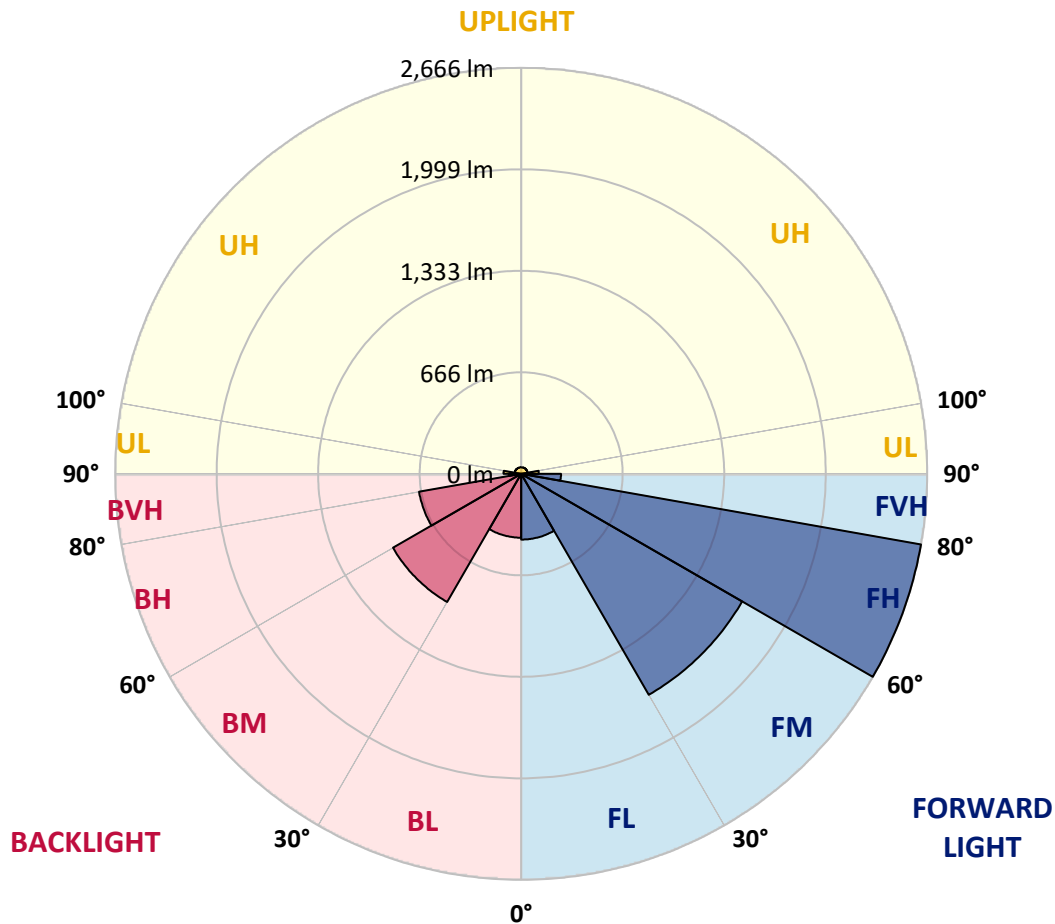
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	431.8	5.9			
FM	(30°-60°)	1675.4	22.8			
FH	(60°-80°)	2665.7	36.3			G2/5000
FVH	(80°-90°)	261.4	3.6			G3/500
BL	(0°-30°)	419.4	5.7	B1/500		
BM	(30°-60°)	971.6	13.2	B1/1000		
BH	(60°-80°)	680.5	9.3	B2/1000		G2/1000
BVH	(80°-90°)	81.4	1.1			G1/100
UL	(90°-100°)	115.7	1.6		U3/500	
UH	(100°-180°)	43.2	0.6		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1
2.5°	1014.5	1014.5	1014.5	1018.3	1022.1	1018.3	1014.5	1010.7	1006.9	1010.7	1010.7
5°	1010.7	1010.7	1014.5	1014.5	1018.3	1022.1	1018.3	1014.5	1010.7	1010.7	1010.7
7.5°	991.7	995.5	995.5	999.3	1003.1	1010.7	1010.7	1003.1	1003.1	1003.1	1003.1
10°	972.7	972.7	976.5	980.3	984.1	991.7	991.7	984.1	987.9	991.7	991.7
12.5°	961.3	961.3	965.1	972.7	976.5	980.3	984.1	984.1	987.9	984.1	987.9
15°	953.7	953.7	953.7	965.1	976.5	980.3	987.9	991.7	995.5	995.5	995.5
17.5°	957.5	957.5	957.5	972.7	980.3	991.7	999.3	1003.1	1003.1	1006.9	1006.9
20°	965.1	965.1	968.9	980.3	995.5	1006.9	1014.5	1018.3	1018.3	1025.9	1025.9
22.5°	980.3	987.9	984.1	995.5	1006.9	1022.1	1033.5	1041.1	1041.1	1048.7	1048.7
25°	1014.5	1010.7	1014.5	1025.9	1037.3	1048.7	1056.2	1067.6	1071.4	1079.0	1079.0
27.5°	1052.5	1052.5	1052.5	1063.8	1071.4	1082.8	1090.4	1098.0	1105.6	1117.0	1120.8
30°	1109.4	1105.6	1101.8	1113.2	1120.8	1132.2	1139.8	1143.6	1143.6	1151.2	1158.8
32.5°	1185.4	1185.4	1185.4	1193.0	1196.8	1208.2	1212.0	1215.8	1212.0	1223.4	1227.2
35°	1280.4	1280.4	1284.2	1291.8	1303.2	1310.8	1314.6	1310.8	1314.6	1322.2	1329.8
37.5°	1375.4	1379.2	1390.6	1402.0	1409.6	1424.8	1436.2	1436.2	1440.0	1462.8	1462.8
40°	1113.2	1124.6	1136.0	1162.6	1196.8	1242.4	1318.4	1348.8	1436.2	1481.8	1493.2
42.5°	756.1	782.7	813.1	847.3	873.9	877.7	949.9	991.7	1079.0	1162.6	1185.4
45°	721.9	752.3	782.7	759.9	778.9	718.1	790.3	797.9	839.7	904.3	1075.2
47.5°	1060.0	1101.8	1143.6	1086.6	1098.0	965.1	991.7	961.3	866.3	972.7	1257.6
50°	1383.0	1379.2	1440.0	1413.4	1443.8	1299.4	1310.8	1250.0	1101.8	1250.0	1656.6
52.5°	1694.6	1725.0	1789.5	1781.9	1804.7	1618.6	1584.4	1531.2	1299.4	1527.4	2006.1
55°	2055.5	2078.3	2139.1	2120.1	2108.7	1922.5	1861.7	1808.5	1584.4	1880.7	2378.5
57.5°	2393.7	2405.1	2477.2	2412.7	2374.7	2234.1	2150.5	2063.1	1842.7	2203.7	2636.8
60°	2716.6	2731.8	2773.6	2686.2	2625.4	2515.2	2412.7	2317.7	2112.5	2492.4	2876.2
62.5°	3020.6	3005.4	3024.4	2914.2	2872.4	2773.6	2663.4	2545.6	2367.1	2720.4	3108.0
65°	3195.3	3195.3	3218.1	3077.6	3013.0	2952.2	2830.6	2693.8	2530.4	2830.6	3252.3
67.5°	3362.5	3396.7	3385.3	3271.3	3187.7	3104.2	2967.4	2773.6	2610.2	2830.6	3259.9
70°	3301.7	3343.5	3297.9	3206.7	3123.2	3024.4	2899.0	2709.0	2526.6	2693.8	3085.2
72.5°	3039.6	3070.0	3051.0	2971.2	2868.6	2804.0	2671.0	2526.6	2313.9	2458.2	2800.2
75°	2682.4	2674.8	2709.0	2617.8	2530.4	2469.6	2340.5	2249.3	2051.7	2158.1	2484.8
77.5°	2161.9	2165.7	2237.9	2135.3	2066.9	2025.1	1907.3	1831.3	1652.8	1747.8	1998.5
80°	1451.4	1493.2	1561.6	1451.4	1440.0	1383.0	1284.2	1234.8	1098.0	1143.6	1276.6
82.5°	604.1	623.1	645.9	611.7	600.3	581.3	539.5	524.3	471.1	493.9	493.9
85°	338.2	334.4	345.8	345.8	338.2	323.0	307.8	281.2	258.4	254.6	235.6
87.5°	285.0	288.8	296.4	296.4	281.2	269.8	250.8	231.8	212.8	201.4	182.4
90°	266.0	269.8	273.6	262.2	247.0	235.6	220.4	205.2	190.0	182.4	163.4
92.5°	254.6	254.6	254.6	239.4	224.2	212.8	201.4	186.2	174.8	167.2	152.0
95°	212.8	209.0	205.2	197.6	182.4	171.0	163.4	148.2	140.6	133.0	125.4
97.5°	159.6	155.8	152.0	148.2	133.0	125.4	121.6	114.0	106.4	95.0	91.2
100°	114.0	110.2	110.2	106.4	98.8	91.2	87.4	79.8	72.2	64.6	60.8
102.5°	76.0	72.2	72.2	68.4	64.6	60.8	53.2	49.4	41.8	38.0	34.2
105°	41.8	41.8	41.8	38.0	38.0	34.2	30.4	26.6	22.8	22.8	19.0
107.5°	30.4	30.4	30.4	30.4	26.6	26.6	22.8	19.0	19.0	15.2	15.2
110°	22.8	22.8	22.8	22.8	22.8	19.0	19.0	15.2	15.2	11.4	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.0	19.0	19.0	19.0	19.0	19.0	15.2	15.2	11.4	11.4	11.4
115°	19.0	19.0	19.0	19.0	15.2	15.2	11.4	11.4	11.4	11.4	7.6
117.5°	15.2	15.2	15.2	15.2	15.2	11.4	11.4	11.4	11.4	7.6	11.4
120°	15.2	15.2	15.2	15.2	11.4	11.4	11.4	7.6	7.6	7.6	7.6
122.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.6	7.6	7.6	7.6
125°	11.4	11.4	11.4	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6
127.5°	11.4	11.4	7.6	11.4	7.6	7.6	7.6	7.6	7.6	3.8	7.6
130°	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8
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°	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1
2.5°	1014.5	1014.5	1018.3	1014.5	1014.5	1006.9	1003.1	999.3	999.3	999.3
5°	1010.7	1010.7	1006.9	999.3	995.5	987.9	980.3	976.5	972.7	976.5
7.5°	1003.1	995.5	987.9	972.7	961.3	957.5	942.3	938.5	938.5	938.5
10°	987.9	980.3	961.3	942.3	934.7	923.3	911.9	900.5	904.3	908.1
12.5°	984.1	965.1	949.9	930.9	919.5	900.5	896.7	885.3	881.5	881.5
15°	987.9	972.7	953.7	938.5	923.3	915.7	900.5	896.7	885.3	892.9
17.5°	1003.1	980.3	965.1	949.9	934.7	927.1	915.7	908.1	911.9	911.9
20°	1018.3	995.5	980.3	968.9	953.7	942.3	938.5	930.9	934.7	927.1
22.5°	1041.1	1018.3	1006.9	991.7	980.3	972.7	965.1	968.9	961.3	965.1
25°	1071.4	1052.5	1037.3	1025.9	1014.5	1006.9	1006.9	1006.9	1003.1	1006.9
27.5°	1113.2	1094.2	1082.8	1075.2	1063.8	1056.2	1048.7	1052.5	1056.2	1052.5
30°	1151.2	1128.4	1124.6	1117.0	1109.4	1105.6	1105.6	1105.6	1105.6	1113.2
32.5°	1212.0	1189.2	1181.6	1181.6	1174.0	1170.2	1166.4	1174.0	1177.8	1174.0
35°	1307.0	1276.6	1269.0	1265.2	1261.4	1261.4	1265.2	1265.2	1265.2	1265.2
37.5°	1424.8	1383.0	1375.4	1371.6	1371.6	1371.6	1367.8	1371.6	1383.0	1386.8
40°	1478.0	1451.4	1462.8	1481.8	1493.2	1493.2	1489.4	1497.0	1508.4	1508.4
42.5°	1196.8	1139.8	1181.6	1257.6	1307.0	1367.8	1379.2	1417.2	1447.6	1447.6
45°	972.7	737.1	752.3	801.7	824.5	877.7	908.1	942.3	961.3	934.7
47.5°	1094.2	474.9	391.3	406.5	349.6	421.7	471.1	524.3	535.7	547.1
50°	1717.4	490.1	330.6	239.4	159.6	212.8	224.2	254.6	247.0	250.8
52.5°	2085.9	562.3	330.6	212.8	133.0	140.6	129.2	144.4	152.0	167.2
55°	2340.5	676.3	429.3	269.8	155.8	95.0	64.6	49.4	45.6	45.6
57.5°	2462.0	828.3	558.5	383.7	243.2	133.0	57.0	41.8	38.0	34.2
60°	2576.0	991.7	706.7	524.3	383.7	235.6	106.4	41.8	34.2	34.2
62.5°	2678.6	1155.0	854.9	680.1	539.5	368.5	197.6	72.2	38.0	38.0
65°	2762.2	1189.2	866.3	737.1	581.3	433.1	258.4	87.4	41.8	41.8
67.5°	2785.0	1132.2	835.9	676.3	543.3	368.5	201.4	72.2	49.4	45.6
70°	2633.0	1075.2	839.7	642.1	490.1	326.8	133.0	83.6	64.6	60.8
72.5°	2382.3	995.5	797.9	623.1	471.1	330.6	155.8	136.8	121.6	114.0
75°	2097.3	900.5	737.1	596.5	455.9	319.2	182.4	171.0	155.8	152.0
77.5°	1683.2	748.5	619.3	505.3	383.7	254.6	152.0	144.4	125.4	125.4
80°	1105.6	558.5	467.3	387.5	292.6	178.6	114.0	102.6	91.2	87.4
82.5°	452.1	326.8	281.2	243.2	190.0	114.0	76.0	64.6	53.2	49.4
85°	220.4	163.4	140.6	114.0	95.0	64.6	49.4	41.8	30.4	30.4
87.5°	178.6	129.2	106.4	87.4	64.6	45.6	34.2	26.6	19.0	15.2
90°	163.4	114.0	91.2	72.2	53.2	38.0	22.8	19.0	11.4	7.6
92.5°	148.2	98.8	79.8	57.0	41.8	30.4	15.2	11.4	7.6	7.6
95°	121.6	76.0	60.8	45.6	34.2	22.8	15.2	7.6	3.8	3.8
97.5°	87.4	57.0	45.6	34.2	26.6	15.2	11.4	7.6	3.8	3.8
100°	60.8	38.0	34.2	26.6	19.0	11.4	7.6	3.8	3.8	3.8
102.5°	30.4	22.8	22.8	19.0	15.2	11.4	3.8	3.8	0.0	0.0
105°	19.0	15.2	15.2	11.4	7.6	7.6	3.8	3.8	0.0	0.0
107.5°	11.4	11.4	11.4	7.6	7.6	3.8	3.8	0.0	0.0	0.0
110°	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0
115°	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
117.5°	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
120°	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
122.5°	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.8	3.8	3.8	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)