

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: P691883

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8431 lumens
Efficiency: N/A
Efficacy: 120.1 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): 70.2
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



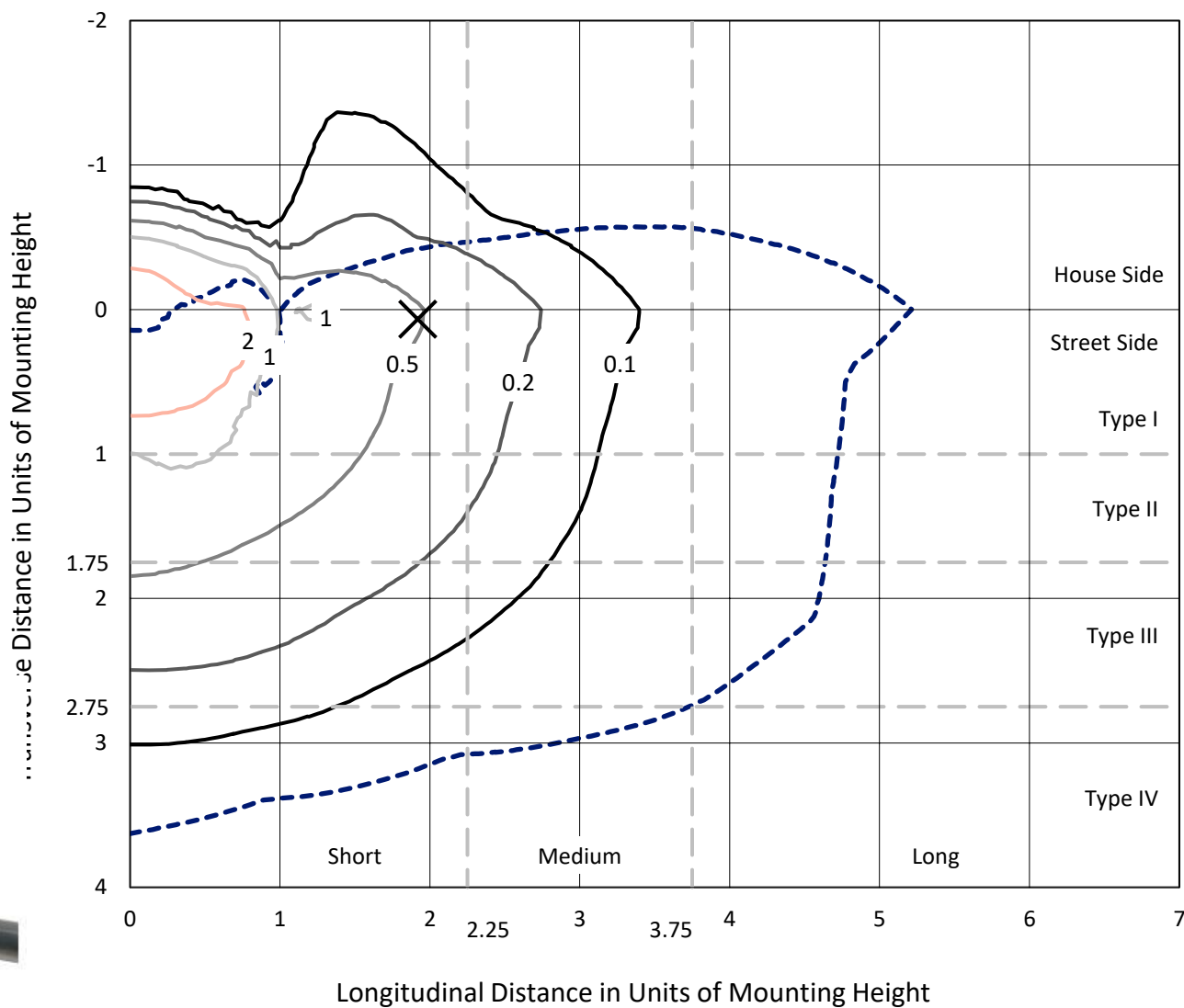
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

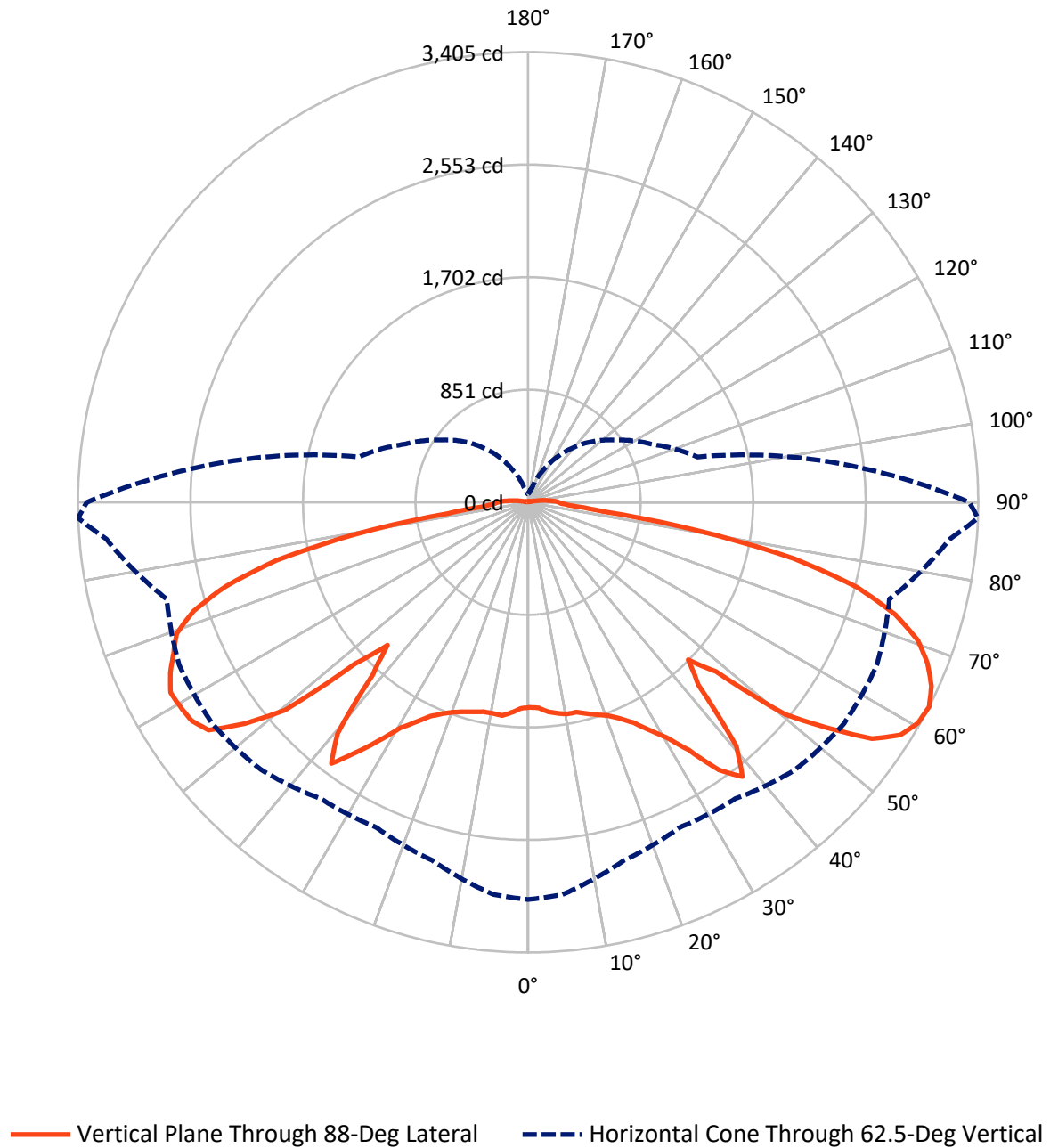


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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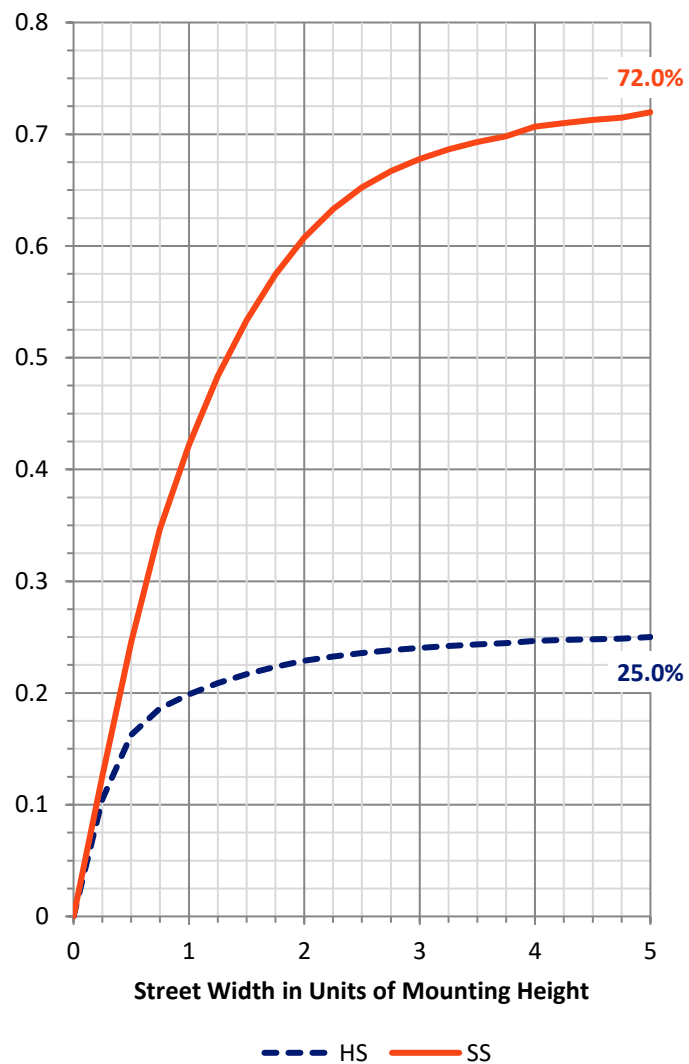
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.9	40.4	2185.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	6146.0	99.7	6245.7
	% Fixture	72.9	1.2	74.1
Total	Lumens	8290.9	140.1	8431.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.8	1.8
10°-20°	466.5	5.5
20°-30°	790.2	9.4
30°-40°	1090.8	12.9
40°-50°	943.4	11.2
50°-60°	1365.8	16.2
60°-70°	1787.8	21.2
70°-80°	1355.5	16.1
80°-90°	338.2	4.0
90°-100°	99.5	1.2
100°-110°	23.1	0.3
110°-120°	10.3	0.1
120°-130°	6.7	0.1
130°-140°	0.6	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°	8290.9	98.3
0°-180°	8431.0	100.0

Coefficient of Utilization



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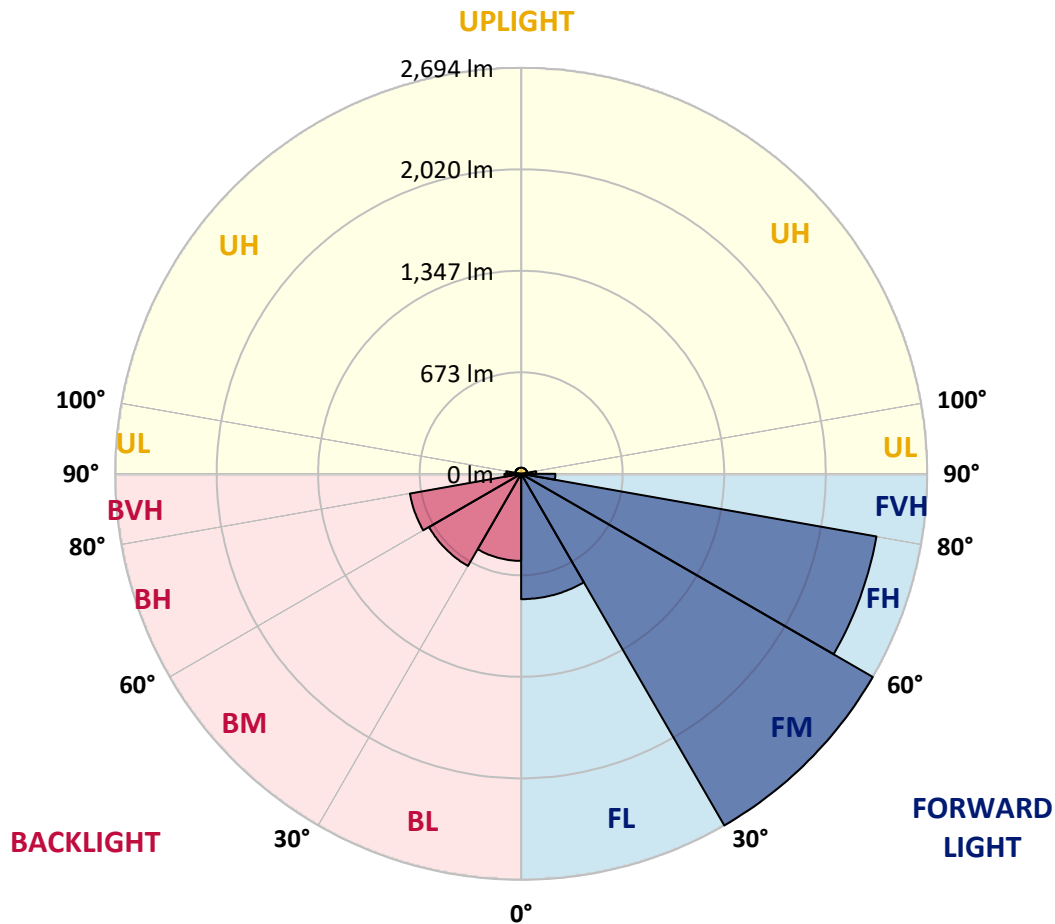
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	831.8	9.9			
FM	(30°-60°)	2693.7	31.9			
FH	(60°-80°)	2393.4	28.4			G2/5000
FVH	(80°-90°)	227.1	2.7			G3/500
BL	(0°-30°)	577.7	6.9	B2/1000		
BM	(30°-60°)	706.2	8.4	B1/1000		
BH	(60°-80°)	749.9	8.9	B2/1000		G2/1000
BVH	(80°-90°)	111.0	1.3			G2/225
UL	(90°-100°)	99.5	1.2		U3/500	
UH	(100°-180°)	40.7	0.5		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°	88°
0°	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4
2.5°	1534.3	1534.3	1531.0	1534.3	1540.7	1547.2	1540.7	1544.0	1547.2	1553.7	1556.9
5°	1592.4	1589.2	1582.7	1576.3	1569.8	1569.8	1563.3	1560.1	1566.6	1586.0	1592.4
7.5°	1640.9	1631.2	1624.7	1628.0	1618.3	1602.1	1589.2	1582.7	1576.3	1602.1	1611.8
10°	1718.4	1711.9	1689.3	1669.9	1657.0	1631.2	1602.1	1598.9	1595.6	1621.5	1628.0
12.5°	1795.9	1789.5	1776.5	1757.2	1715.2	1692.6	1647.3	1628.0	1624.7	1640.9	1628.0
15°	1909.0	1896.0	1860.5	1841.1	1799.1	1763.6	1708.7	1679.6	1686.1	1663.5	1657.0
17.5°	1973.6	1967.1	1963.9	1934.8	1902.5	1841.1	1789.5	1747.5	1760.4	1708.7	1689.3
20°	2044.6	2041.4	2047.9	2051.1	2009.1	1954.2	1889.6	1825.0	1828.2	1760.4	1721.6
22.5°	2135.1	2125.4	2138.3	2154.4	2118.9	2073.7	1989.7	1938.0	1912.2	1821.8	1776.5
25°	2241.7	2238.4	2238.4	2267.5	2261.0	2199.7	2118.9	2060.8	2034.9	1912.2	1844.4
27.5°	2351.5	2354.7	2361.2	2380.6	2390.2	2354.7	2277.2	2225.5	2177.1	2015.6	1947.7
30°	2422.5	2422.5	2467.8	2496.8	2509.8	2509.8	2416.1	2377.3	2328.9	2148.0	2064.0
32.5°	2509.8	2516.2	2558.2	2606.7	2626.0	2651.9	2574.4	2545.3	2503.3	2312.7	2235.2
35°	2571.1	2580.8	2645.4	2719.7	2771.4	2784.3	2739.1	2752.0	2732.6	2529.1	2487.1
37.5°	2303.0	2328.9	2425.8	2571.1	2710.0	2845.7	2894.1	2958.7	2968.4	2732.6	2632.5
40°	2005.9	2015.6	2125.4	2232.0	2403.2	2513.0	2635.7	2777.9	2700.3	2445.2	2425.8
42.5°	1779.8	1821.8	1973.6	2054.3	2186.8	2212.6	2151.2	2060.8	1921.9	1899.3	1889.6
45°	1741.0	1783.0	1934.8	2067.2	2131.8	1815.3	1644.1	1524.6	1579.5	1715.2	1699.0
47.5°	1921.9	1973.6	2131.8	2283.7	2151.2	1799.1	1686.1	1682.9	1637.6	1870.2	1912.2
50°	2031.7	2073.7	2257.8	2254.6	2148.0	1976.8	2038.2	1970.3	1889.6	2286.9	2522.7
52.5°	2086.6	2125.4	2190.0	2270.7	2280.4	2267.5	2283.7	2228.7	2106.0	2655.1	2832.8
55°	1934.8	2031.7	2312.7	2451.6	2509.8	2474.2	2483.9	2445.2	2364.4	2884.4	3155.8
57.5°	2422.5	2474.2	2577.6	2613.1	2648.6	2632.5	2645.4	2632.5	2558.2	3055.6	3320.5
60°	2703.6	2703.6	2748.8	2690.6	2710.0	2764.9	2803.7	2803.7	2726.2	3181.6	3388.3
62.5°	3004.0	2978.1	2803.7	2713.3	2735.9	2858.6	2916.7	2910.3	2829.5	3201.0	3404.5
65°	2945.8	2900.6	2839.2	2642.2	2668.0	2839.2	2920.0	2916.7	2832.8	3129.9	3352.8
67.5°	2513.0	2555.0	2629.3	2613.1	2548.5	2745.6	2871.5	2878.0	2781.1	3010.4	3259.1
70°	2177.1	2202.9	2248.1	2383.8	2412.9	2616.3	2816.6	2845.7	2716.5	2871.5	3126.7
72.5°	1896.0	1912.2	1876.7	2015.6	2118.9	2387.0	2622.8	2677.7	2545.3	2632.5	2903.8
75°	1621.5	1586.0	1544.0	1605.3	1686.1	1970.3	2257.8	2367.6	2251.4	2306.3	2574.4
77.5°	1259.7	1208.0	1166.1	1182.2	1256.5	1502.0	1779.8	1954.2	1850.8	1847.6	2060.8
80°	859.2	814.0	784.9	778.4	833.4	985.2	1185.4	1392.2	1301.7	1214.5	1308.2
82.5°	536.2	536.2	510.3	471.6	468.4	497.4	536.2	587.9	555.6	542.7	571.7
85°	335.9	339.2	326.2	284.2	274.6	281.0	300.4	313.3	303.6	313.3	323.0
87.5°	235.8	232.6	216.4	210.0	206.7	216.4	232.6	239.0	239.0	248.7	248.7
90°	177.7	177.7	168.0	164.7	164.7	174.4	190.6	203.5	213.2	229.3	229.3
92.5°	148.6	148.6	142.1	138.9	138.9	142.1	155.0	171.2	180.9	197.0	190.6
95°	122.7	122.7	119.5	119.5	119.5	122.7	129.2	138.9	142.1	142.1	142.1
97.5°	96.9	93.7	90.4	90.4	90.4	93.7	96.9	106.6	109.8	100.1	100.1
100°	67.8	64.6	61.4	64.6	64.6	64.6	67.8	71.1	71.1	64.6	61.4
102.5°	42.0	42.0	42.0	42.0	38.8	38.8	38.8	38.8	35.5	32.3	32.3
105°	29.1	29.1	25.8	25.8	25.8	25.8	22.6	22.6	22.6	19.4	19.4
107.5°	22.6	22.6	22.6	22.6	22.6	19.4	19.4	19.4	19.4	16.2	16.2
110°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	16.2	16.2	12.9	12.9

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CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	19.4	19.4	19.4	19.4	19.4	16.2	16.2	16.2	16.2	12.9	12.9
115°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	12.9	12.9
117.5°	16.2	16.2	16.2	16.2	16.2	16.2	12.9	12.9	12.9	16.2	12.9
120°	16.2	16.2	16.2	16.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9
122.5°	16.2	16.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
125°	12.9	12.9	12.9	12.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
130°	9.7	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5	6.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4	1550.4
2.5°	1556.9	1563.3	1576.3	1592.4	1605.3	1615.0	1621.5	1628.0	1628.0	1621.5	1628.0
5°	1592.4	1598.9	1621.5	1637.6	1637.6	1628.0	1621.5	1618.3	1624.7	1628.0	1634.4
7.5°	1621.5	1628.0	1618.3	1624.7	1631.2	1621.5	1608.6	1598.9	1589.2	1579.5	1586.0
10°	1624.7	1608.6	1608.6	1602.1	1579.5	1582.7	1579.5	1563.3	1550.4	1553.7	1556.9
12.5°	1621.5	1615.0	1589.2	1576.3	1566.6	1534.3	1521.4	1531.0	1511.7	1521.4	1508.4
15°	1650.6	1618.3	1592.4	1560.1	1524.6	1508.4	1485.8	1453.5	1440.6	1443.8	1447.1
17.5°	1669.9	1637.6	1576.3	1518.1	1498.7	1447.1	1421.2	1405.1	1382.5	1385.7	1398.6
20°	1702.2	1653.8	1566.6	1505.2	1411.5	1376.0	1343.7	1324.3	1304.9	1275.9	1263.0
22.5°	1747.5	1686.1	1553.7	1440.6	1359.9	1298.5	1227.4	1179.0	1153.1	1133.8	1130.5
25°	1805.6	1734.5	1556.9	1411.5	1282.3	1191.9	1130.5	1046.5	985.2	978.7	988.4
27.5°	1912.2	1789.5	1576.3	1366.3	1217.7	1078.8	965.8	907.6	836.6	820.4	820.4
30°	2015.6	1876.7	1563.3	1327.6	1107.9	952.9	801.1	691.2	652.5	623.4	620.2
32.5°	2206.1	1999.4	1631.2	1269.4	1007.8	765.5	597.6	478.0	452.2	442.5	439.3
35°	2380.6	2167.4	1637.6	1195.1	859.2	594.3	429.6	348.8	332.7	323.0	319.8
37.5°	2567.9	2328.9	1702.2	1133.8	713.8	419.9	310.1	248.7	229.3	216.4	210.0
40°	2351.5	2135.1	1673.2	1030.4	529.7	268.1	193.8	135.7	116.3	116.3	116.3
42.5°	1841.1	1621.5	1266.2	833.4	310.1	155.0	96.9	93.7	96.9	100.1	100.1
45°	1631.2	1343.7	775.2	442.5	129.2	87.2	77.5	74.3	84.0	93.7	96.9
47.5°	1918.7	1598.9	597.6	310.1	138.9	87.2	71.1	71.1	67.8	61.4	61.4
50°	2593.7	2157.7	684.8	355.3	174.4	96.9	71.1	61.4	61.4	64.6	67.8
52.5°	2926.4	2403.2	807.5	461.9	255.2	132.4	77.5	61.4	54.9	45.2	45.2
55°	3213.9	2597.0	956.1	597.6	374.7	206.7	109.8	64.6	54.9	45.2	42.0
57.5°	3307.6	2619.6	1114.4	752.6	510.3	323.0	190.6	90.4	58.1	48.5	45.2
60°	3320.5	2645.4	1233.9	917.3	665.4	471.6	313.3	164.7	74.3	58.1	54.9
62.5°	3336.7	2651.9	1324.3	1036.8	820.4	639.6	452.2	261.6	113.1	67.8	64.6
65°	3278.5	2574.4	1301.7	1011.0	865.7	707.4	520.0	306.9	129.2	77.5	74.3
67.5°	3181.6	2506.5	1208.0	930.3	781.7	616.9	445.7	248.7	119.5	90.4	87.2
70°	3104.1	2438.7	1159.6	923.8	723.5	539.4	358.5	180.9	142.1	122.7	116.3
72.5°	2913.5	2277.2	1120.8	920.6	723.5	526.5	348.8	193.8	193.8	197.0	184.1
75°	2593.7	2034.9	1062.7	894.7	707.4	523.3	335.9	210.0	210.0	187.3	177.7
77.5°	2141.5	1666.7	939.9	817.2	642.8	461.9	274.6	174.4	168.0	145.4	138.9
80°	1418.0	1195.1	749.4	675.1	529.7	371.5	203.5	135.7	126.0	106.6	100.1
82.5°	636.3	571.7	474.8	478.0	381.1	264.9	138.9	93.7	87.2	71.1	67.8
85°	348.8	329.5	258.4	226.1	193.8	138.9	80.8	61.4	51.7	38.8	38.8
87.5°	264.9	255.2	190.6	148.6	113.1	80.8	51.7	38.8	29.1	19.4	16.2
90°	242.3	229.3	155.0	119.5	90.4	64.6	42.0	25.8	19.4	12.9	9.7
92.5°	203.5	193.8	126.0	100.1	77.5	58.1	35.5	19.4	12.9	6.5	6.5
95°	148.6	145.4	93.7	77.5	61.4	48.5	29.1	16.2	9.7	6.5	3.2
97.5°	100.1	96.9	67.8	58.1	48.5	35.5	22.6	12.9	6.5	3.2	3.2
100°	61.4	61.4	42.0	38.8	32.3	25.8	16.2	9.7	6.5	3.2	3.2
102.5°	32.3	29.1	22.6	22.6	19.4	16.2	12.9	6.5	3.2	0.0	0.0
105°	19.4	16.2	16.2	12.9	12.9	9.7	9.7	6.5	3.2	0.0	0.0
107.5°	16.2	12.9	12.9	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0
110°	12.9	12.9	9.7	9.7	6.5	6.5	6.5	3.2	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
115°	12.9	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
117.5°	12.9	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
120°	12.9	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
122.5°	12.9	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
125°	9.7	6.5	6.5	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0
127.5°	9.7	6.5	6.5	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0
130°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	3.2	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	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

(END OF REPORT)