

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: P691751

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8181 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 74.9
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



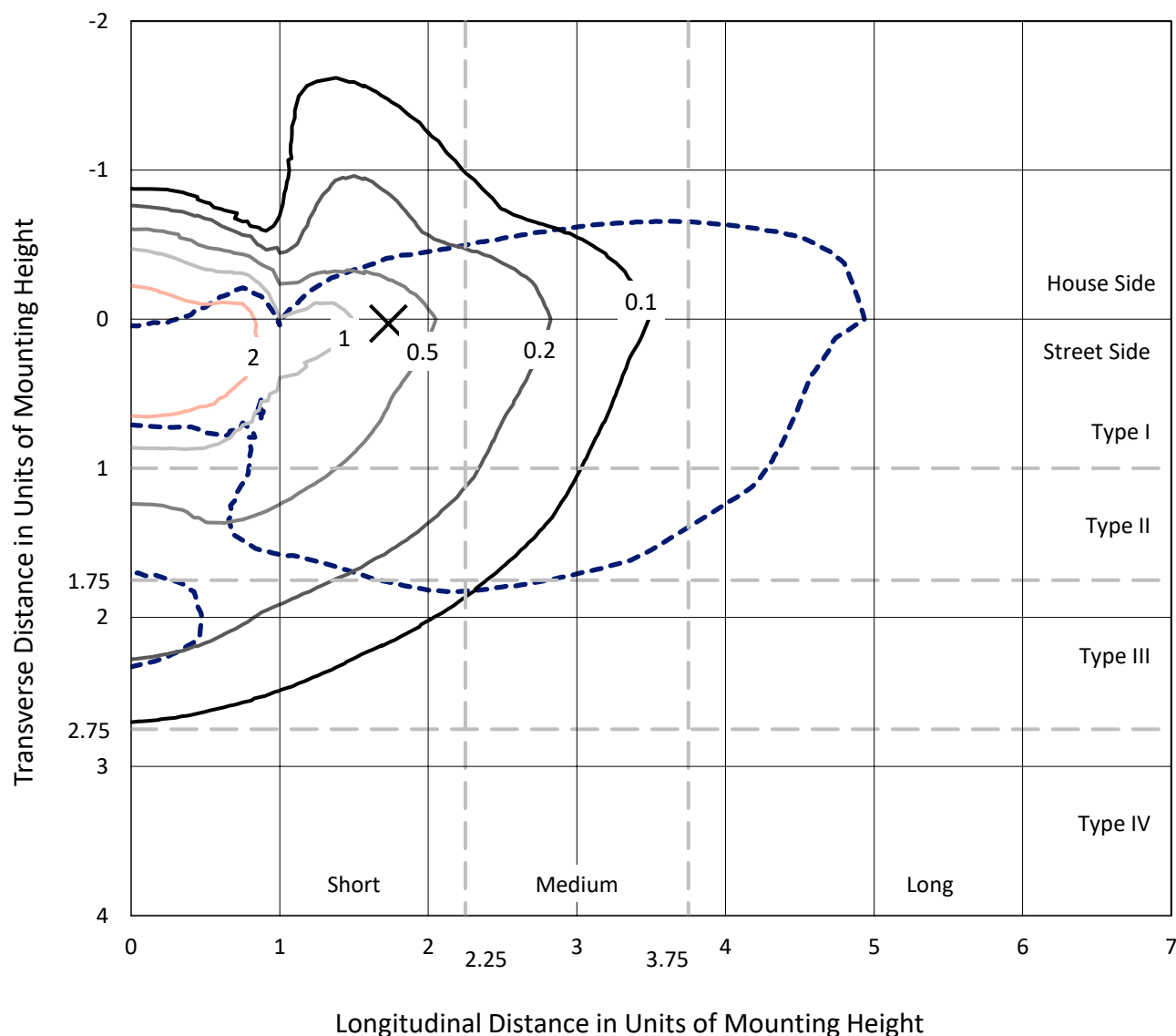
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



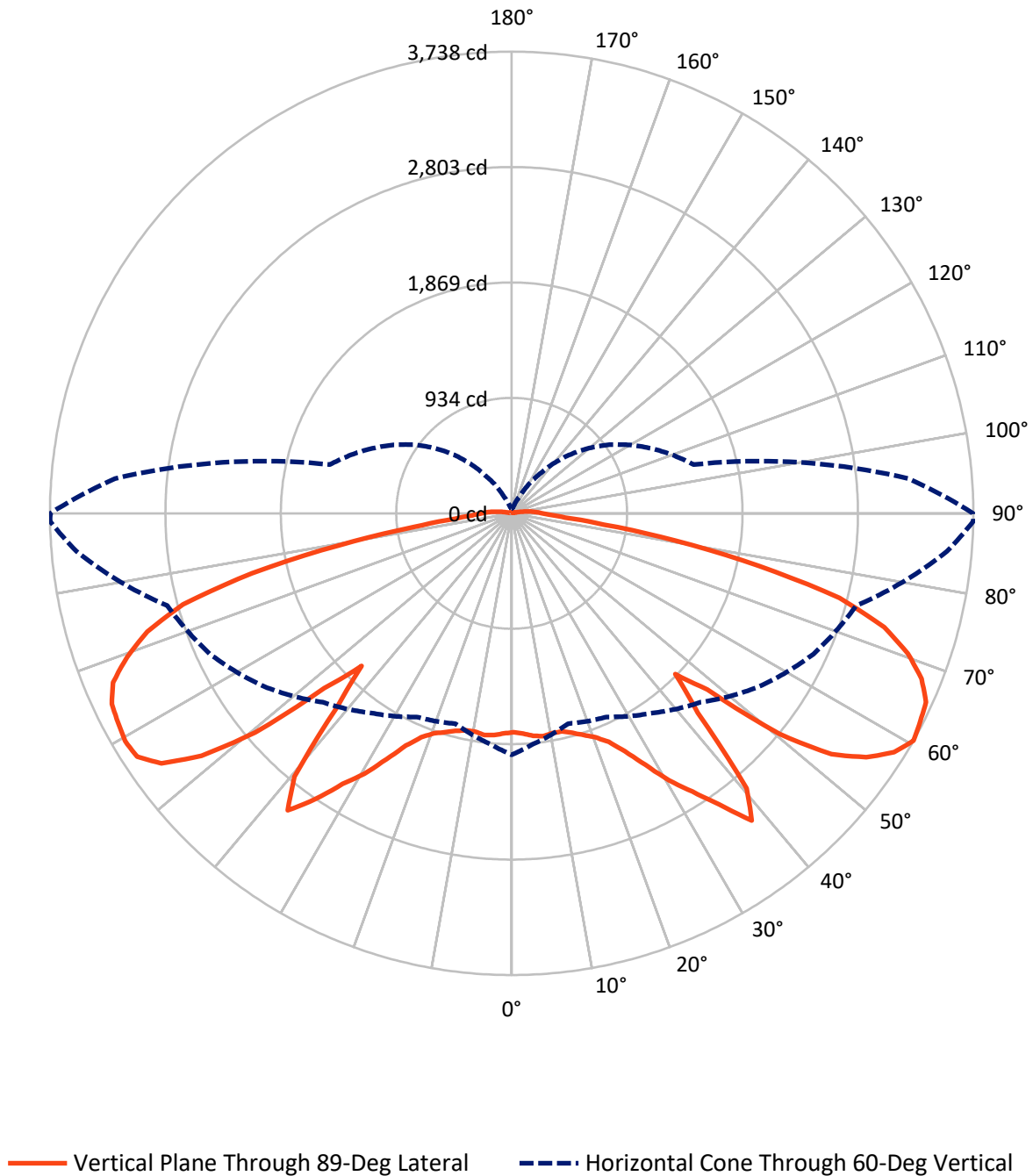
Based on 25 foot mounting height. Maximum calculated value = 3.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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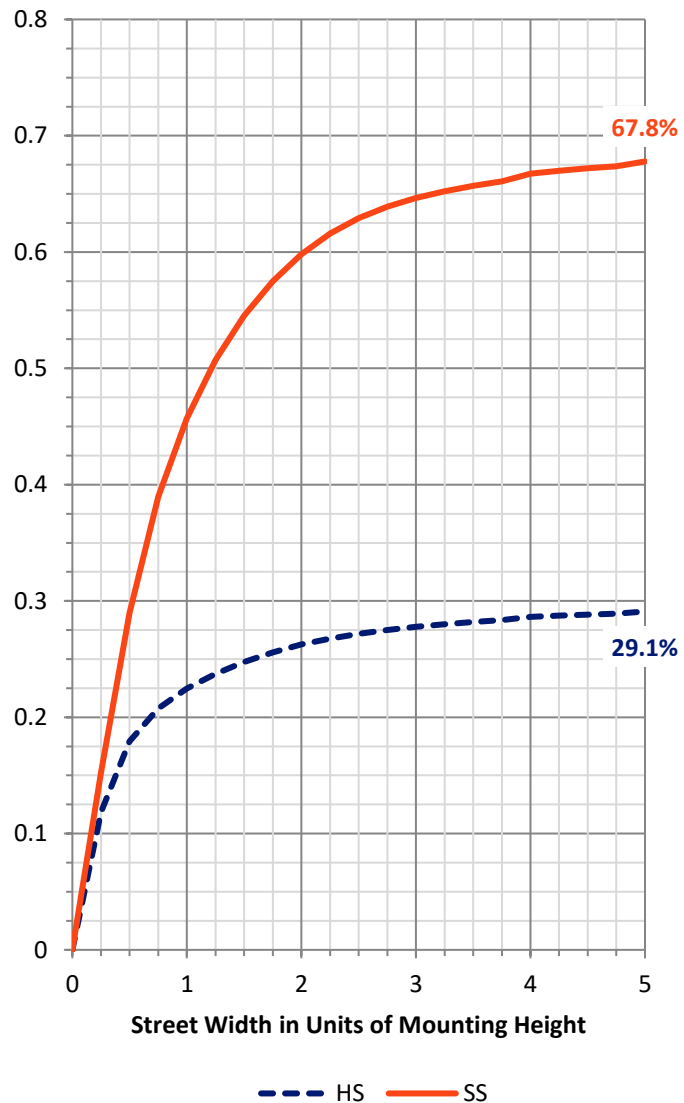
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2428.6	45.6	2474.2
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5618.9	87.9	5706.7
	% Fixture	68.7	1.1	69.8
Total	Lumens	8047.5	133.4	8181.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	2.1
10°-20°	503.2	6.2
20°-30°	830.5	10.2
30°-40°	1126.7	13.8
40°-50°	938.4	11.5
50°-60°	1299.6	15.9
60°-70°	1601.8	19.6
70°-80°	1212.9	14.8
80°-90°	363.9	4.4
90°-100°	94.3	1.2
100°-110°	21.5	0.3
110°-120°	10.1	0.1
120°-130°	6.8	0.1
130°-140°	0.7	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°	8047.5	98.4
0°-180°	8181.0	100.0

Coefficient of Utilization



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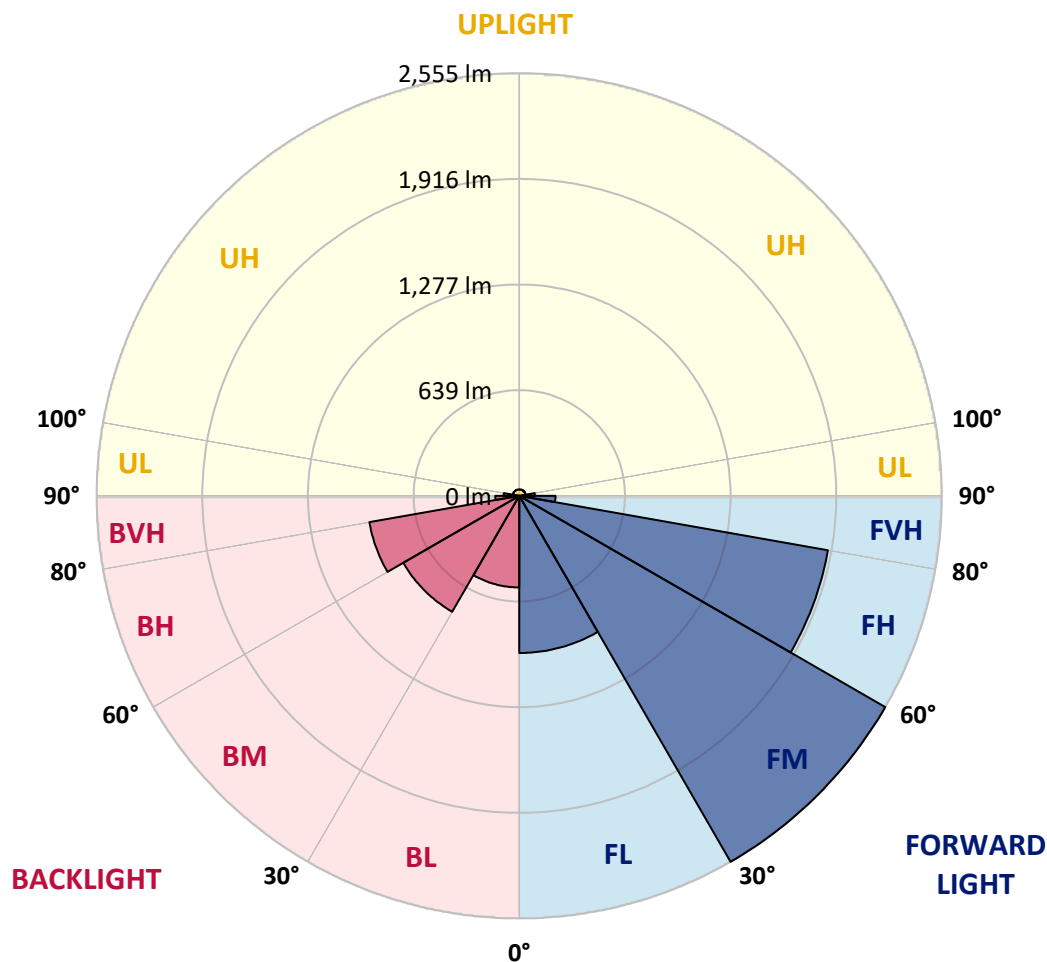
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	950.3	11.6			
FM	(30°-60°)	2555.0	31.2			
FH	(60°-80°)	1894.7	23.2			G2/5000
FVH	(80°-90°)	218.8	2.7			G2/225
BL	(0°-30°)	553.9	6.8	B2/1000		
BM	(30°-60°)	809.7	9.9	B1/1000		
BH	(60°-80°)	919.9	11.2	B2/1000		G2/1000
BVH	(80°-90°)	145.1	1.8			G2/225
UL	(90°-100°)	94.3	1.2		U3/500	
UH	(100°-180°)	39.1	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1
2.5°	1860.8	1851.1	1851.1	1851.1	1831.6	1831.6	1818.6	1812.1	1799.1	1789.4	1786.1
5°	1968.0	1961.5	1961.5	1958.3	1938.8	1925.8	1899.8	1877.1	1857.6	1825.1	1808.9
7.5°	2052.4	2042.7	2042.7	2039.4	2020.0	2003.7	1974.5	1922.5	1883.6	1847.8	1821.9
10°	2081.7	2078.4	2075.2	2065.4	2049.2	2036.2	2010.2	1961.5	1899.8	1841.3	1808.9
12.5°	2136.9	2136.9	2127.1	2114.1	2101.1	2088.2	2052.4	2013.5	1945.3	1854.3	1812.1
15°	2208.3	2201.8	2195.3	2188.8	2179.1	2159.6	2127.1	2078.4	2000.5	1890.1	1844.6
17.5°	2237.5	2234.3	2234.3	2237.5	2234.3	2221.3	2214.8	2159.6	2078.4	1938.8	1886.8
20°	2244.0	2247.3	2253.8	2276.5	2283.0	2276.5	2286.3	2253.8	2159.6	2003.7	1935.5
22.5°	2283.0	2289.5	2302.5	2325.2	2335.0	2344.7	2354.5	2380.4	2286.3	2104.4	2010.2
25°	2266.8	2273.3	2312.2	2348.0	2383.7	2412.9	2474.6	2533.1	2464.9	2253.8	2133.6
27.5°	2224.6	2237.5	2305.7	2377.2	2464.9	2542.8	2656.5	2727.9	2672.7	2442.1	2305.7
30°	2260.3	2260.3	2305.7	2409.7	2523.3	2698.7	2848.1	2929.3	2890.3	2624.0	2507.1
32.5°	2185.6	2205.1	2299.2	2455.1	2630.5	2854.6	3000.7	3143.6	3156.6	2867.6	2685.7
35°	1955.0	1987.5	2065.4	2273.3	2542.8	2932.5	3189.1	3380.7	3442.4	3159.8	2893.5
37.5°	1610.8	1633.5	1769.9	1977.7	2299.2	2672.7	3085.1	3520.3	3692.4	3348.2	3156.6
40°	1425.7	1441.9	1523.1	1695.2	1990.7	2351.2	2676.0	3094.9	3189.1	3055.9	2929.3
42.5°	1364.0	1389.9	1490.6	1649.7	1890.1	2143.4	2195.3	2351.2	2302.5	2318.7	2208.3
45°	1448.4	1458.1	1532.8	1672.5	1818.6	1886.8	1818.6	1925.8	1977.7	1968.0	1857.6
47.5°	1490.6	1506.9	1588.0	1766.7	1766.7	1769.9	1854.3	1919.3	2068.7	2208.3	2130.4
50°	1279.5	1302.3	1451.6	1594.5	1617.3	1886.8	2107.6	2234.3	2390.2	2763.6	2809.1
52.5°	1204.8	1221.1	1383.4	1669.2	1834.8	2110.9	2247.3	2364.2	2497.3	3114.4	3241.0
55°	1318.5	1347.7	1539.3	1834.8	2016.7	2182.3	2357.7	2526.6	2669.5	3390.4	3484.6
57.5°	1523.1	1578.3	1695.2	1860.8	2032.9	2182.3	2416.2	2624.0	2812.4	3497.6	3650.2
60°	1955.0	1880.3	1763.4	1818.6	1974.5	2162.8	2445.4	2695.4	2887.0	3536.6	3737.9
62.5°	2156.4	2101.1	1815.4	1740.7	1877.1	2094.7	2390.2	2695.4	2861.1	3461.9	3711.9
65°	2084.9	2039.4	1834.8	1649.7	1756.9	2000.5	2305.7	2656.5	2802.6	3367.7	3685.9
67.5°	1776.4	1730.9	1666.0	1597.8	1643.2	1906.3	2227.8	2585.0	2737.7	3289.7	3578.8
70°	1445.1	1419.2	1396.4	1448.4	1532.8	1763.4	2071.9	2425.9	2607.8	3101.4	3403.4
72.5°	1230.8	1214.6	1175.6	1227.6	1360.7	1571.8	1838.1	2192.1	2409.7	2783.1	3153.3
75°	1045.7	1036.0	1023.0	1048.9	1133.4	1331.5	1542.6	1890.1	2153.1	2429.1	2740.9
77.5°	847.6	834.6	863.8	870.3	935.3	1078.2	1214.6	1503.6	1795.9	1906.3	2045.9
80°	617.0	630.0	678.7	659.2	708.0	756.7	854.1	980.8	1211.3	1334.7	1344.5
82.5°	431.9	444.9	490.4	441.7	454.7	457.9	493.6	539.1	633.3	737.2	750.2
85°	305.3	311.8	321.5	285.8	285.8	285.8	308.5	334.5	383.2	425.4	435.2
87.5°	217.6	217.6	230.6	217.6	214.3	211.1	224.1	233.8	263.0	292.3	298.8
90°	162.4	162.4	168.9	162.4	162.4	162.4	175.4	185.1	211.1	237.1	240.3
92.5°	116.9	116.9	126.7	123.4	123.4	126.7	139.6	146.1	168.9	194.9	198.1
95°	90.9	90.9	97.4	94.2	94.2	100.7	110.4	116.9	133.1	146.1	149.4
97.5°	65.0	65.0	68.2	68.2	68.2	68.2	74.7	84.4	103.9	103.9	100.7
100°	45.5	45.5	48.7	45.5	45.5	48.7	48.7	55.2	65.0	61.7	61.7
102.5°	32.5	32.5	32.5	32.5	32.5	29.2	29.2	32.5	35.7	32.5	32.5
105°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	19.5
107.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	16.2	16.2
110°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.0



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.0	13.0
115°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.0	13.0
117.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
120°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
122.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
125°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	13.0	13.0	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	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	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°	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1	1773.1
2.5°	1782.9	1776.4	1756.9	1734.2	1714.7	1698.5	1682.2	1669.2	1666.0	1659.5	1666.0
5°	1805.6	1782.9	1737.4	1708.2	1682.2	1656.2	1630.3	1617.3	1607.5	1601.0	1601.0
7.5°	1815.4	1782.9	1730.9	1692.0	1636.8	1581.5	1549.1	1523.1	1513.3	1523.1	1523.1
10°	1799.1	1760.2	1698.5	1640.0	1565.3	1519.8	1474.4	1451.6	1438.7	1438.7	1428.9
12.5°	1805.6	1760.2	1669.2	1581.5	1519.8	1438.7	1383.4	1357.5	1338.0	1344.5	1344.5
15°	1831.6	1769.9	1643.2	1555.6	1448.4	1383.4	1315.2	1299.0	1295.8	1286.0	1279.5
17.5°	1870.6	1779.6	1636.8	1497.1	1386.7	1308.8	1243.8	1214.6	1198.3	1188.6	1185.3
20°	1912.8	1792.6	1617.3	1441.9	1321.7	1221.1	1143.1	1104.2	1091.2	1091.2	1084.7
22.5°	1984.2	1838.1	1601.0	1415.9	1234.1	1133.4	1055.4	1000.2	974.3	971.0	967.8
25°	2101.1	1925.8	1617.3	1357.5	1182.1	1032.7	945.0	896.3	867.1	857.3	857.3
27.5°	2279.8	2045.9	1640.0	1325.0	1074.9	938.5	841.1	766.4	724.2	727.4	730.7
30°	2471.4	2224.6	1704.9	1273.0	1006.7	805.4	688.5	630.0	591.0	578.1	571.6
32.5°	2627.2	2409.7	1799.1	1230.8	880.1	643.0	542.3	500.1	457.9	422.2	409.2
35°	2867.6	2565.5	1880.3	1169.1	776.2	526.1	438.4	373.5	337.7	321.5	315.0
37.5°	3085.1	2718.2	1942.0	1156.1	630.0	451.4	347.5	279.3	243.6	240.3	240.3
40°	2822.1	2526.6	1896.6	1052.2	496.9	350.7	250.1	198.1	172.1	159.1	159.1
42.5°	2159.6	1935.5	1445.1	876.8	357.2	237.1	159.1	149.4	146.1	133.1	133.1
45°	1808.9	1428.9	876.8	457.9	168.9	129.9	113.7	113.7	116.9	126.7	126.7
47.5°	2172.6	1688.7	646.3	328.0	165.6	113.7	100.7	90.9	84.4	81.2	81.2
50°	2812.4	2403.2	824.9	389.7	198.1	116.9	90.9	81.2	77.9	74.7	68.2
52.5°	3280.0	2815.6	1087.9	594.3	318.3	149.4	90.9	68.2	52.0	45.5	42.2
55°	3562.5	3176.1	1282.8	854.1	516.4	250.1	113.7	61.7	45.5	39.0	35.7
57.5°	3715.2	3218.3	1445.1	1087.9	759.9	444.9	198.1	74.7	45.5	35.7	35.7
60°	3734.6	3224.8	1523.1	1243.8	967.8	675.5	376.7	146.1	58.5	42.2	39.0
62.5°	3718.4	3169.6	1542.6	1305.5	1094.4	863.8	594.3	289.0	90.9	48.7	45.5
65°	3689.2	3172.8	1454.9	1250.3	1094.4	925.5	688.5	380.0	129.9	55.2	52.0
67.5°	3591.8	3163.1	1406.2	1130.1	990.5	828.1	617.0	354.0	149.4	68.2	65.0
70°	3393.7	3046.2	1376.9	1081.4	928.8	737.2	519.6	282.5	168.9	116.9	126.7
72.5°	3169.6	2835.1	1347.7	1039.2	906.1	733.9	522.9	305.3	227.3	191.6	204.6
75°	2835.1	2468.1	1295.8	997.0	893.1	756.7	529.3	289.0	214.3	172.1	168.9
77.5°	2182.3	2052.4	1182.1	893.1	811.9	698.2	451.4	220.8	159.1	120.2	116.9
80°	1425.7	1409.4	922.3	720.9	685.2	617.0	376.7	172.1	126.7	97.4	90.9
82.5°	805.4	772.9	574.8	454.7	483.9	500.1	305.3	129.9	97.4	77.9	71.4
85°	457.9	464.4	334.5	246.8	250.1	295.5	198.1	90.9	61.7	45.5	42.2
87.5°	315.0	324.8	217.6	165.6	149.4	139.6	103.9	55.2	35.7	22.7	16.2
90°	256.6	256.6	162.4	120.2	103.9	90.9	58.5	32.5	26.0	13.0	9.7
92.5°	207.8	217.6	136.4	97.4	81.2	71.4	45.5	22.7	16.2	9.7	6.5
95°	155.9	165.6	110.4	81.2	65.0	55.2	39.0	19.5	13.0	6.5	6.5
97.5°	107.2	107.2	77.9	61.7	52.0	42.2	29.2	16.2	9.7	6.5	6.5
100°	61.7	65.0	45.5	39.0	35.7	32.5	19.5	13.0	6.5	3.2	3.2
102.5°	32.5	32.5	22.7	22.7	19.5	19.5	16.2	9.7	6.5	3.2	3.2
105°	19.5	19.5	16.2	16.2	13.0	13.0	9.7	6.5	3.2	0.0	3.2
107.5°	16.2	16.2	13.0	13.0	9.7	9.7	6.5	6.5	3.2	0.0	0.0
110°	13.0	13.0	9.7	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	13.0	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0
115°	13.0	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
117.5°	13.0	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
120°	13.0	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
122.5°	13.0	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
125°	9.7	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
127.5°	9.7	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
130°	9.7	9.7	6.5	6.5	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)