

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: P691952

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11488 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

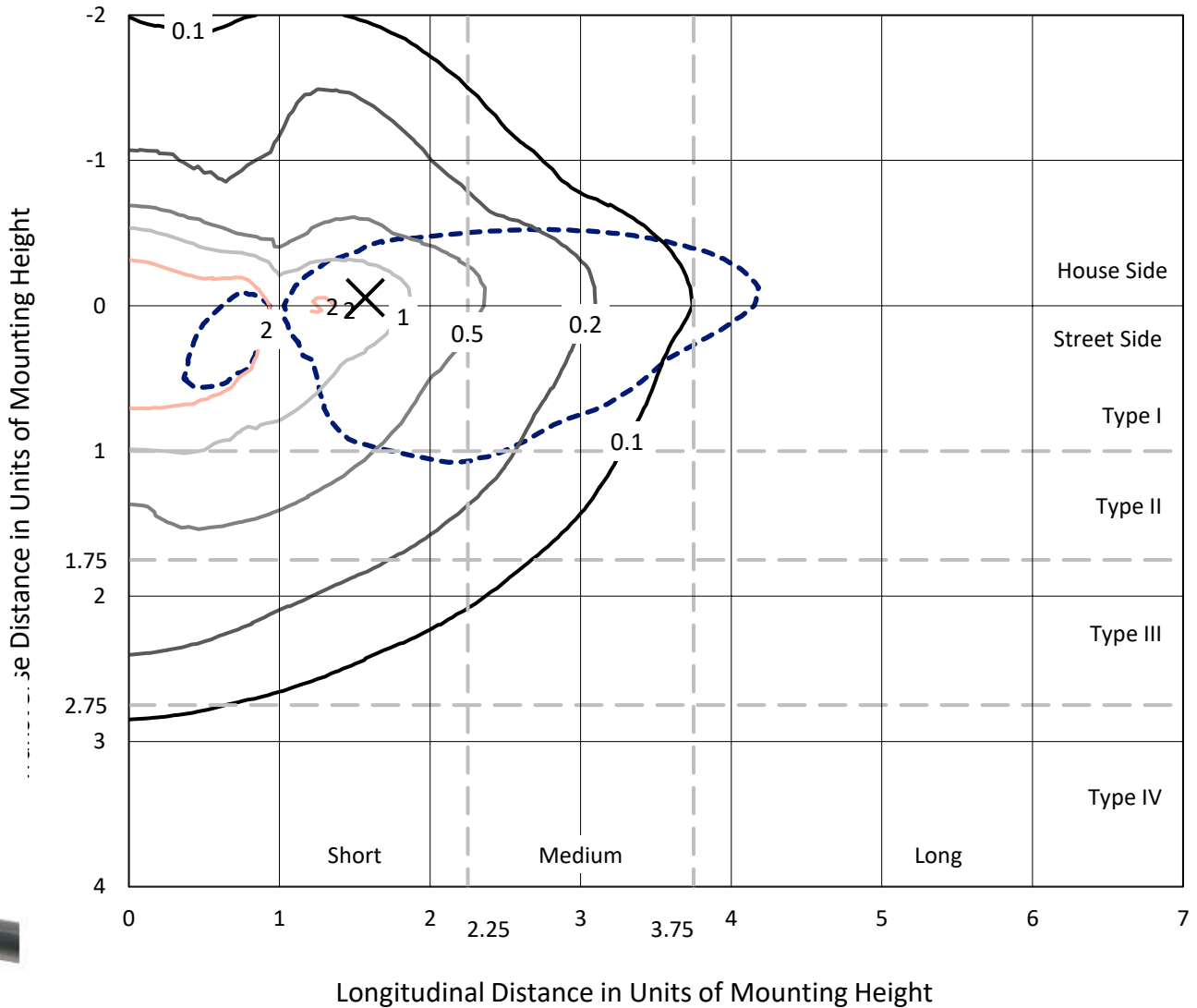
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

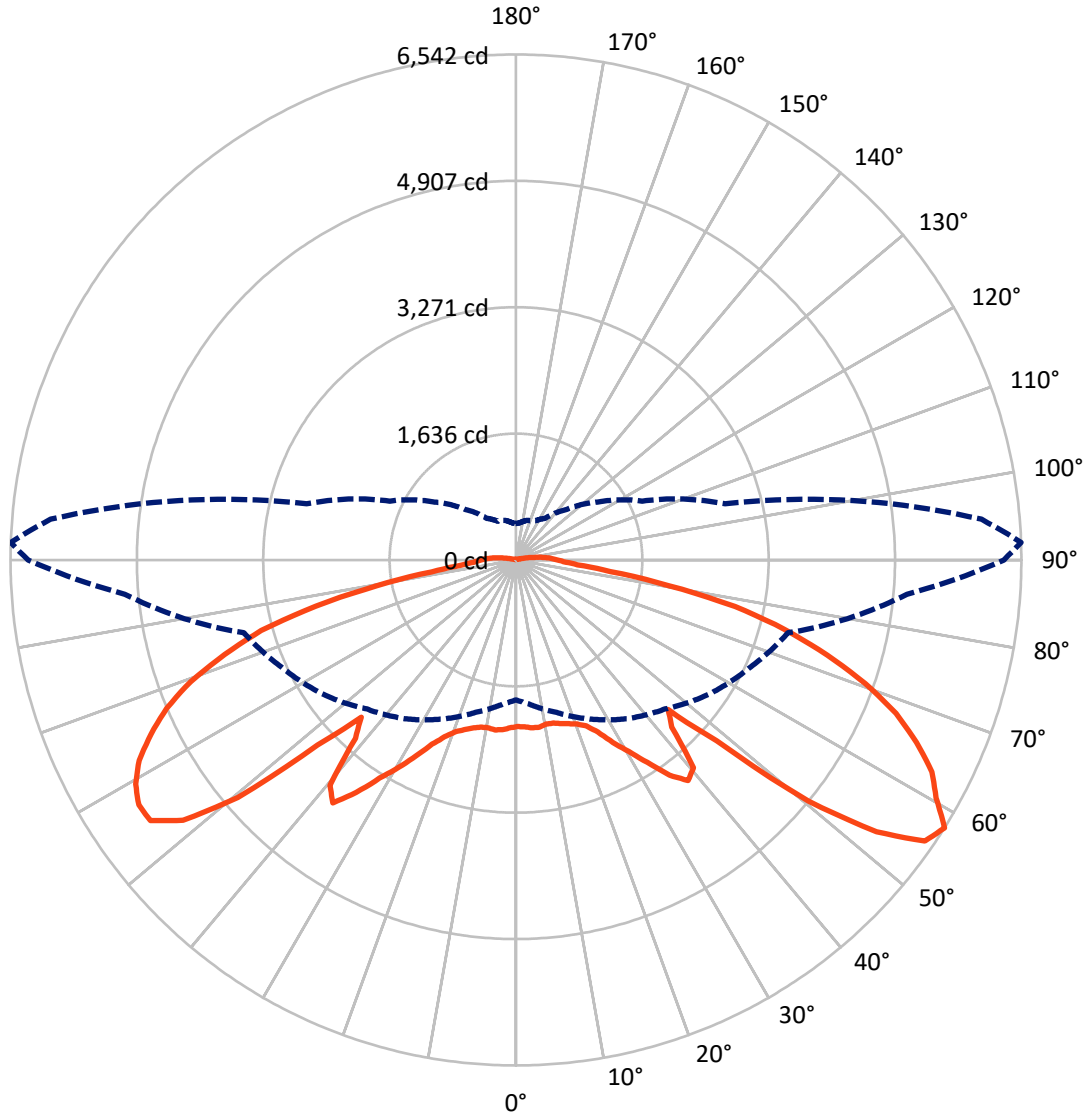
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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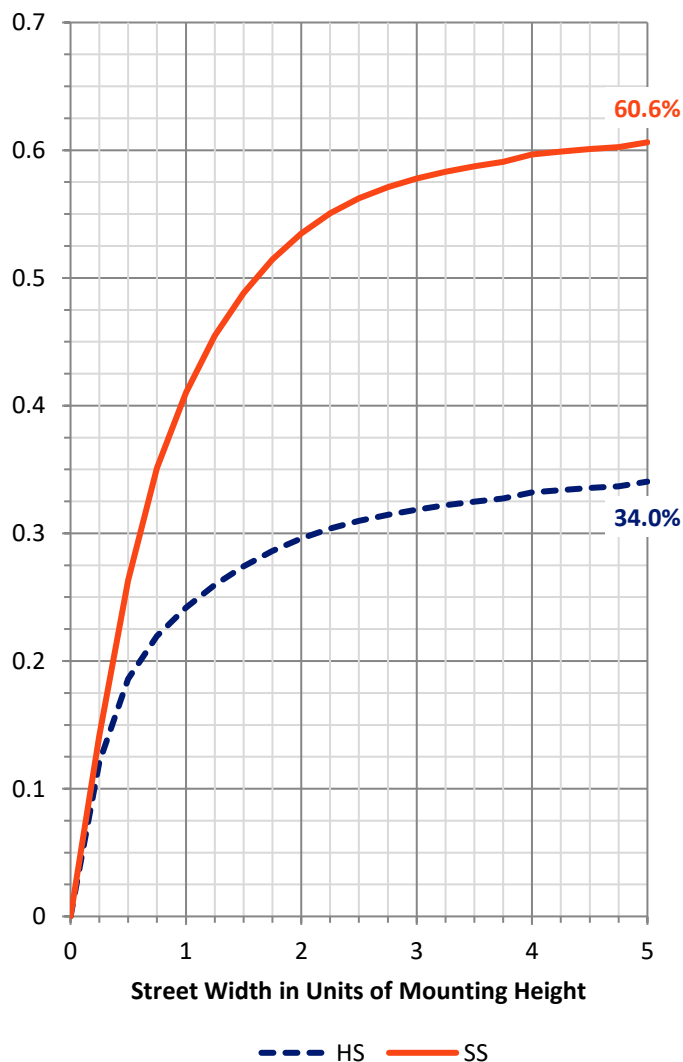
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4099.0	179.1	4278.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	7063.7	146.2	7209.9
	% Fixture	61.5	1.3	62.8
Total	Lumens	11162.7	325.3	11488.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	1.8
10°-20°	608.7	5.3
20°-30°	1009.7	8.8
30°-40°	1397.4	12.2
40°-50°	1304.8	11.4
50°-60°	1949.7	17.0
60°-70°	2315.9	20.2
70°-80°	1699.7	14.8
80°-90°	670.1	5.8
90°-100°	236.0	2.1
100°-110°	55.8	0.5
110°-120°	21.5	0.2
120°-130°	11.0	0.1
130°-140°	1.0	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°	11162.7	97.2
0°-180°	11488.0	100.0

Coefficient of Utilization



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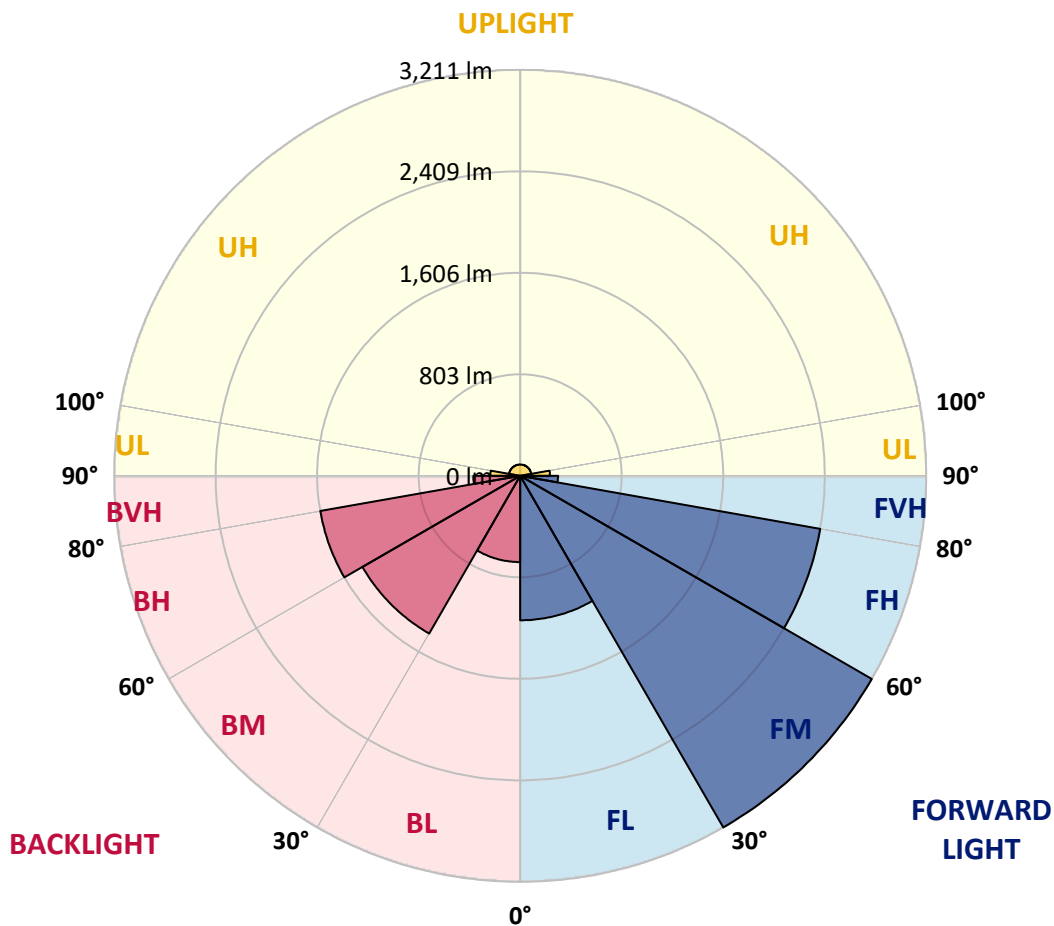
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.8	9.9			
FM (30°-60°)	3211.4	28.0			
FH (60°-80°)	2410.0	21.0			G2/5000
FVH (80°-90°)	299.5	2.6			G3/500
BL (0°-30°)	682.3	5.9	B2/1000		
BM (30°-60°)	1440.4	12.5	B2/2500		
BH (60°-80°)	1605.7	14.0	B3/2500		G3/2500
BVH (80°-90°)	370.6	3.2			G3/500
UL (90°-100°)	236.0	2.1		U3/500	
UH (100°-180°)	89.3	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0
2.5°	2247.8	2232.3	2236.2	2232.3	2224.6	2216.9	2209.1	2201.4	2189.8	2178.2	2170.4
5°	2379.4	2363.9	2363.9	2363.9	2348.4	2325.2	2294.2	2274.9	2247.8	2216.9	2193.7
7.5°	2468.3	2456.7	2452.9	2449.0	2429.7	2414.2	2379.4	2317.5	2274.9	2236.2	2201.4
10°	2499.3	2499.3	2495.4	2483.8	2464.5	2445.1	2421.9	2363.9	2294.2	2228.5	2182.0
12.5°	2557.3	2565.1	2553.5	2534.1	2526.4	2503.2	2468.3	2421.9	2344.5	2243.9	2189.8
15°	2646.3	2642.4	2627.0	2623.1	2615.4	2588.3	2557.3	2499.3	2410.3	2282.6	2220.7
17.5°	2685.0	2681.1	2681.1	2681.1	2681.1	2661.8	2657.9	2592.1	2499.3	2344.5	2267.2
20°	2692.7	2692.7	2704.3	2731.4	2735.3	2731.4	2750.8	2708.2	2599.9	2421.9	2317.5
22.5°	2743.0	2746.9	2766.2	2793.3	2812.7	2820.4	2835.9	2855.2	2754.6	2545.7	2414.2
25°	2715.9	2735.3	2777.9	2820.4	2866.8	2893.9	2979.0	3044.8	2959.7	2727.6	2549.6
27.5°	2669.5	2685.0	2770.1	2847.5	2951.9	3064.1	3188.0	3273.1	3222.8	2951.9	2766.2
30°	2712.1	2712.1	2766.2	2893.9	3029.3	3234.4	3416.2	3509.1	3485.9	3188.0	3017.7
32.5°	2623.1	2646.3	2762.4	2948.1	3153.1	3420.1	3605.8	3779.9	3803.1	3493.6	3218.9
35°	2360.0	2410.3	2487.7	2731.4	3079.6	3543.9	3830.2	4050.7	4147.4	3841.8	3520.7
37.5°	1949.9	1969.3	2131.7	2375.5	2789.5	3249.9	3745.1	4282.8	4484.0	4104.9	3822.4
40°	1721.6	1733.3	1837.7	2050.5	2398.7	2851.4	3269.2	3822.4	3981.1	3942.4	3675.4
42.5°	1644.3	1663.6	1787.4	1992.5	2286.5	2599.9	2708.2	2948.1	2886.2	3052.5	3137.7
45°	1737.1	1748.7	1837.7	2015.7	2201.4	2336.8	2259.4	2429.7	2514.8	2843.6	2863.0
47.5°	1802.9	1810.6	1907.4	2131.7	2162.7	2166.6	2271.0	2371.6	2607.6	3319.5	3636.7
50°	1547.5	1586.2	1771.9	1965.4	1980.9	2286.5	2584.4	2785.6	3075.8	4371.8	4979.2
52.5°	1435.4	1454.7	1655.9	1992.5	2216.9	2572.8	2785.6	2986.8	3265.3	4828.4	5896.2
55°	1574.6	1605.6	1845.5	2220.7	2445.1	2688.9	2955.8	3203.4	3478.1	5064.4	6306.3
57.5°	1810.6	1868.7	2042.8	2271.0	2507.0	2727.6	3037.1	3323.4	3644.5	5079.8	6314.0
60°	2278.8	2236.2	2139.5	2240.1	2468.3	2719.8	3075.8	3381.4	3737.3	5076.0	6136.0
62.5°	2599.9	2538.0	2216.9	2170.4	2383.2	2638.6	2990.6	3373.7	3718.0	4905.7	5934.9
65°	2538.0	2495.4	2247.8	2077.6	2232.3	2507.0	2874.6	3327.2	3625.1	4723.9	5571.2
67.5°	2189.8	2139.5	2035.0	1969.3	2046.6	2367.8	2766.2	3234.4	3516.8	4515.0	5172.7
70°	1787.4	1760.3	1725.5	1795.2	1891.9	2193.7	2568.9	3033.2	3311.8	4116.5	4747.1
72.5°	1516.6	1501.1	1458.6	1532.1	1694.6	1965.4	2278.8	2743.0	3056.4	3578.7	4220.9
75°	1276.7	1280.6	1257.4	1303.8	1408.3	1675.2	1922.8	2375.5	2723.7	3071.9	3652.2
77.5°	1048.5	1036.9	1060.1	1087.2	1156.8	1350.2	1516.6	1911.2	2325.2	2437.4	2801.1
80°	766.0	785.4	827.9	824.1	882.1	967.2	1079.4	1288.3	1632.7	1744.9	1884.1
82.5°	541.6	564.9	603.5	561.0	568.7	591.9	642.2	739.0	920.8	1033.0	1149.1
85°	383.0	394.6	402.4	371.4	371.4	386.9	421.7	491.3	603.5	673.2	735.1
87.5°	278.6	282.4	297.9	282.4	286.3	294.0	325.0	371.4	464.3	514.6	564.9
90°	212.8	212.8	220.5	216.7	224.4	239.9	270.8	309.5	379.1	441.1	487.5
92.5°	154.8	154.8	162.5	166.4	170.2	189.6	216.7	247.6	294.0	371.4	417.8
95°	119.9	119.9	127.7	127.7	131.5	147.0	170.2	201.2	236.0	290.2	332.7
97.5°	89.0	89.0	96.7	96.7	100.6	112.2	131.5	150.9	181.8	216.7	236.0
100°	69.6	69.6	73.5	73.5	77.4	89.0	100.6	112.2	119.9	139.3	147.0
102.5°	58.0	58.0	58.0	58.0	58.0	65.8	69.6	69.6	73.5	85.1	89.0
105°	46.4	46.4	46.4	42.6	42.6	46.4	46.4	46.4	50.3	50.3	54.2
107.5°	34.8	34.8	34.8	34.8	34.8	38.7	38.7	38.7	38.7	42.6	42.6
110°	31.0	31.0	31.0	31.0	31.0	31.0	34.8	34.8	34.8	34.8	34.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	27.1	27.1	27.1	27.1	27.1	27.1	31.0	31.0	31.0	31.0	31.0
115°	23.2	23.2	23.2	23.2	23.2	27.1	31.0	27.1	27.1	27.1	27.1
117.5°	19.3	19.3	19.3	23.2	23.2	23.2	27.1	23.2	23.2	23.2	27.1
120°	15.5	15.5	19.3	19.3	19.3	19.3	19.3	19.3	23.2	23.2	23.2
122.5°	15.5	15.5	15.5	15.5	15.5	19.3	19.3	19.3	19.3	19.3	23.2
125°	11.6	11.6	11.6	15.5	15.5	15.5	15.5	15.5	15.5	19.3	19.3
127.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5	15.5	15.5
130°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0	2155.0
2.5°	2162.7	2162.7	2139.5	2116.3	2093.1	2069.8	2050.5	2038.9	2023.4	2027.3	2027.3
5°	2182.0	2170.4	2120.1	2089.2	2054.4	2023.4	1992.5	1965.4	1957.6	1953.8	1938.3
7.5°	2185.9	2166.6	2112.4	2066.0	2000.2	1926.7	1891.9	1860.9	1841.6	1857.1	1849.3
10°	2158.8	2135.6	2073.7	2004.1	1911.2	1849.3	1795.2	1764.2	1748.7	1752.6	1748.7
12.5°	2166.6	2139.5	2038.9	1934.4	1857.1	1752.6	1686.8	1659.7	1640.4	1640.4	1628.8
15°	2197.5	2151.1	2007.9	1899.6	1771.9	1683.0	1605.6	1586.2	1578.5	1570.8	1559.2
17.5°	2228.5	2162.7	2004.1	1837.7	1694.6	1597.8	1520.5	1485.6	1466.3	1466.3	1462.4
20°	2267.2	2185.9	1980.9	1771.9	1621.1	1493.4	1400.5	1369.6	1354.1	1350.2	1342.5
22.5°	2332.9	2247.8	1969.3	1744.9	1524.3	1392.8	1303.8	1245.8	1214.8	1211.0	1211.0
25°	2464.5	2360.0	1992.5	1671.4	1458.6	1288.3	1180.0	1122.0	1087.2	1087.2	1083.3
27.5°	2673.4	2507.0	2027.3	1644.3	1334.8	1176.1	1063.9	975.0	944.0	944.0	947.9
30°	2878.4	2731.4	2116.3	1586.2	1265.1	1029.1	893.7	827.9	789.3	773.8	777.6
32.5°	3122.2	2967.4	2240.1	1547.5	1125.8	855.0	731.2	696.4	638.4	622.9	611.3
35°	3420.1	3195.7	2379.4	1493.4	1017.5	727.3	626.8	557.1	530.0	510.7	506.8
37.5°	3621.3	3424.0	2503.2	1505.0	866.6	657.7	545.5	472.0	444.9	448.8	448.8
40°	3536.1	3307.9	2534.1	1427.6	739.0	572.6	456.5	414.0	398.5	402.4	406.2
42.5°	2955.8	2835.9	2096.9	1276.7	611.3	460.4	383.0	383.0	394.6	383.0	383.0
45°	2762.4	2460.6	1524.3	897.6	460.4	379.1	363.7	375.3	402.4	402.4	402.4
47.5°	3497.5	3157.0	1365.7	750.6	514.6	425.6	394.6	375.3	379.1	375.3	375.3
50°	4905.7	4371.8	1833.8	936.3	622.9	506.8	448.8	410.1	410.1	402.4	394.6
52.5°	5842.0	5281.0	2232.3	1172.3	781.5	591.9	514.6	444.9	421.7	406.2	402.4
55°	6422.3	5996.8	2576.7	1501.1	1017.5	704.1	572.6	499.1	464.3	433.3	429.4
57.5°	6542.3	6047.0	2804.9	1802.9	1311.5	924.7	657.7	553.2	530.0	479.7	472.0
60°	6248.2	5919.4	2893.9	2000.2	1566.9	1218.7	858.9	642.2	591.9	557.1	549.4
62.5°	6043.2	5664.0	2863.0	2066.0	1725.5	1462.4	1129.7	789.3	646.1	650.0	684.8
65°	5698.8	5443.5	2634.7	1969.3	1717.8	1543.7	1269.0	913.1	665.4	657.7	700.3
67.5°	5304.2	5103.0	2406.4	1756.5	1582.4	1431.5	1180.0	870.5	630.6	591.9	595.8
70°	4797.4	4627.2	2174.3	1636.5	1458.6	1269.0	1025.3	754.4	622.9	561.0	561.0
72.5°	4213.2	4012.0	1980.9	1547.5	1392.8	1218.7	982.7	727.3	669.3	646.1	665.4
75°	3594.2	3338.8	1830.0	1462.4	1346.4	1218.7	978.8	727.3	669.3	650.0	650.0
77.5°	2897.8	2746.9	1667.5	1327.0	1253.5	1160.7	901.4	677.1	657.7	650.0	650.0
80°	2004.1	1980.9	1358.0	1152.9	1133.6	1098.8	847.3	653.8	653.8	642.2	626.8
82.5°	1230.3	1172.3	971.1	862.8	928.5	978.8	769.9	615.2	599.7	588.1	580.3
85°	797.0	800.9	680.9	603.5	642.2	746.7	650.0	557.1	533.9	541.6	541.6
87.5°	611.3	630.6	533.9	491.3	483.6	506.8	510.7	499.1	483.6	472.0	475.9
90°	526.2	533.9	429.4	394.6	390.8	398.5	398.5	421.7	421.7	383.0	359.8
92.5°	441.1	452.7	355.9	321.1	321.1	332.7	340.5	340.5	309.5	251.5	224.4
95°	348.2	355.9	282.4	255.3	259.2	259.2	255.3	243.7	189.6	112.2	100.6
97.5°	243.7	247.6	208.9	193.4	197.3	189.6	166.4	150.9	116.1	65.8	61.9
100°	154.8	158.6	131.5	127.7	139.3	123.8	108.3	100.6	69.6	42.6	50.3
102.5°	92.9	92.9	81.2	77.4	85.1	73.5	65.8	54.2	42.6	27.1	34.8
105°	54.2	54.2	50.3	50.3	50.3	46.4	42.6	34.8	23.2	19.3	19.3
107.5°	42.6	42.6	38.7	38.7	34.8	34.8	31.0	23.2	15.5	11.6	11.6
110°	34.8	34.8	31.0	31.0	31.0	27.1	23.2	19.3	11.6	7.7	7.7



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 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.0	31.0	27.1	27.1	23.2	23.2	19.3	15.5	11.6	7.7	7.7
115°	27.1	27.1	23.2	19.3	19.3	19.3	15.5	11.6	7.7	3.9	7.7
117.5°	27.1	27.1	19.3	15.5	15.5	15.5	11.6	11.6	7.7	3.9	3.9
120°	23.2	23.2	15.5	15.5	11.6	11.6	11.6	7.7	3.9	3.9	3.9
122.5°	19.3	19.3	15.5	11.6	11.6	11.6	7.7	7.7	3.9	3.9	3.9
125°	19.3	19.3	11.6	11.6	11.6	7.7	7.7	7.7	3.9	0.0	0.0
127.5°	15.5	15.5	11.6	11.6	7.7	7.7	7.7	3.9	3.9	0.0	0.0
130°	11.6	11.6	11.6	11.6	7.7	7.7	7.7	3.9	3.9	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)