

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: P691828

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691828
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-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 6539 lumens
Efficiency: N/A
Efficacy: 87.3 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): 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

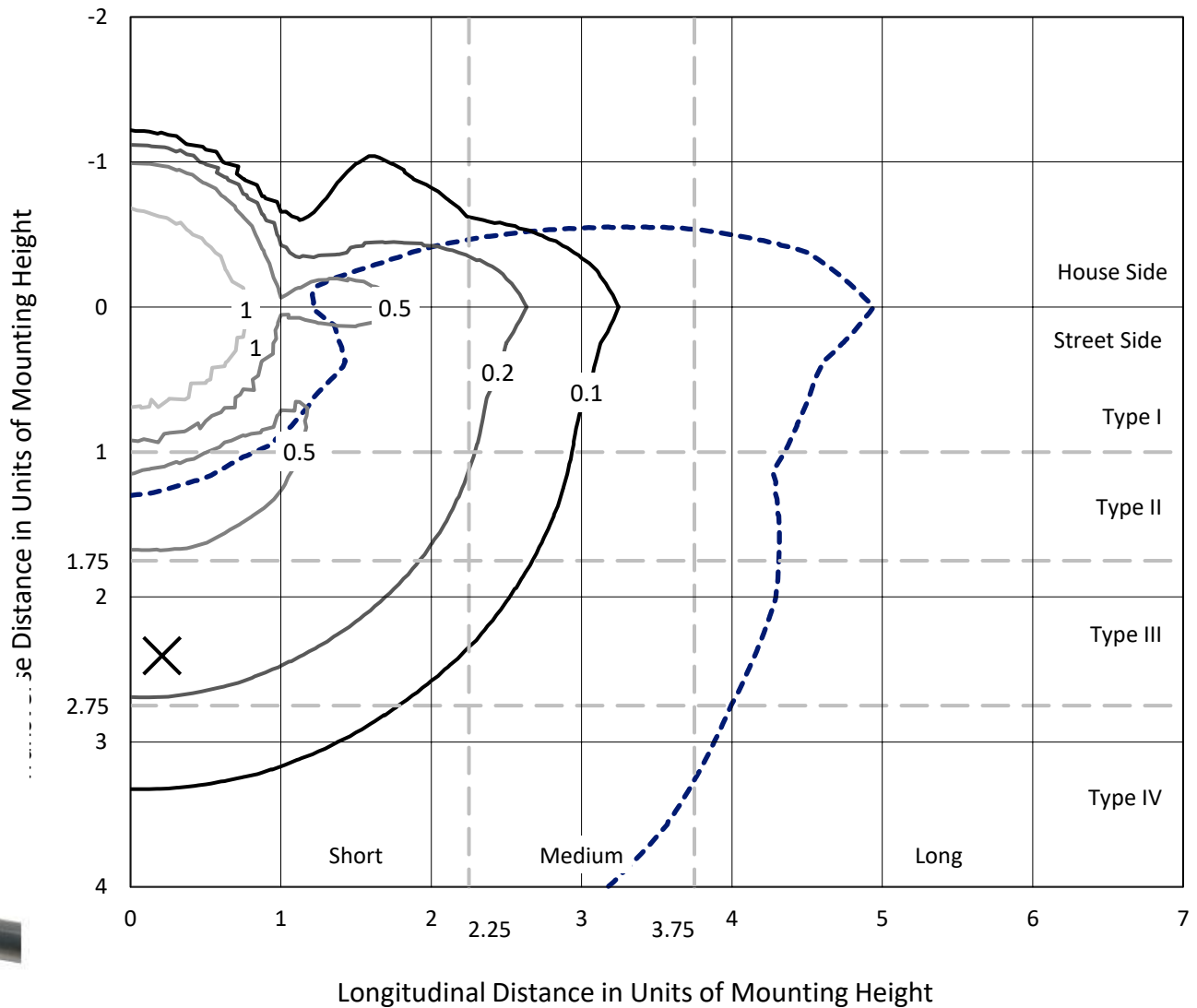


REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

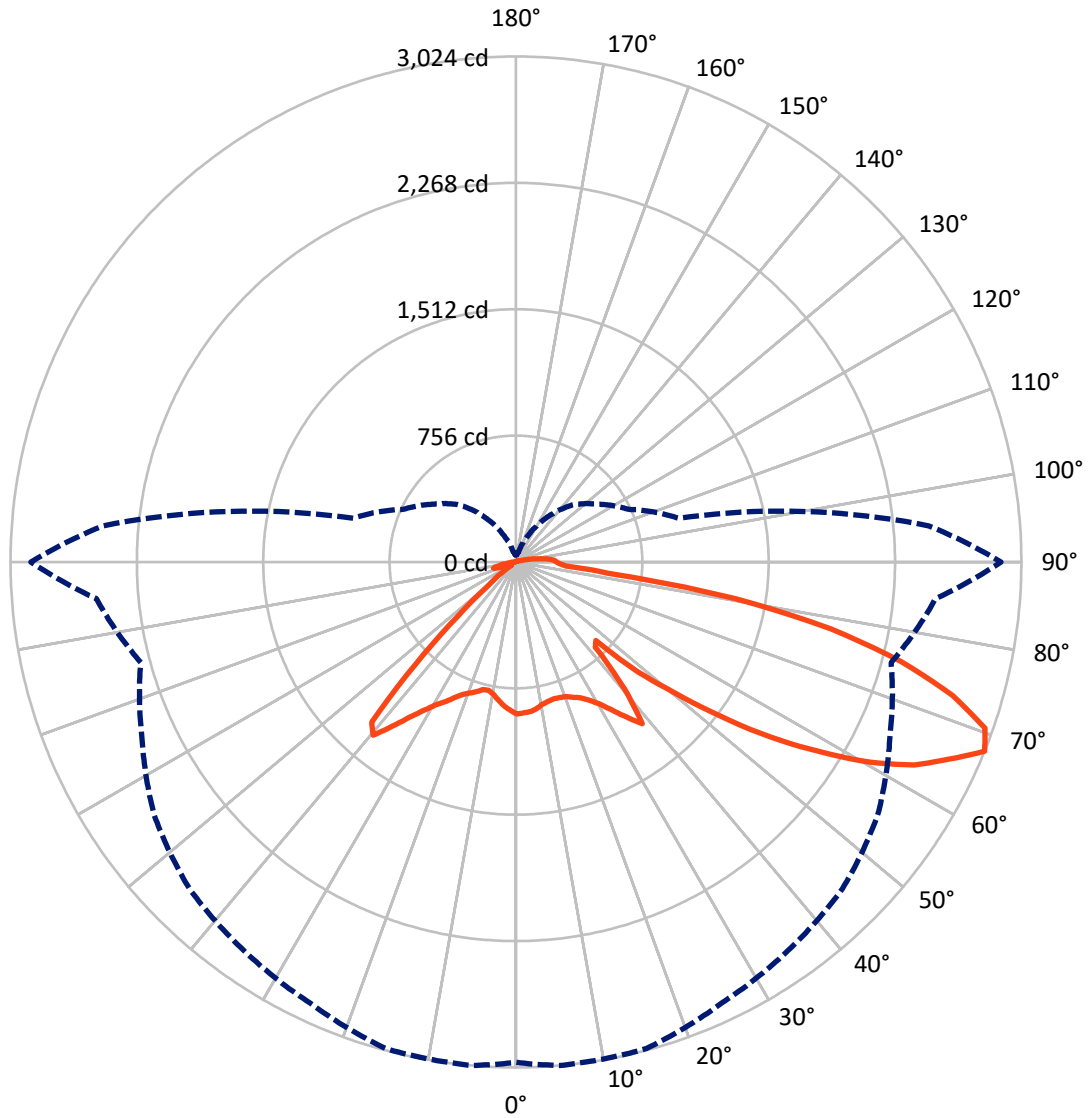
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P691828
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

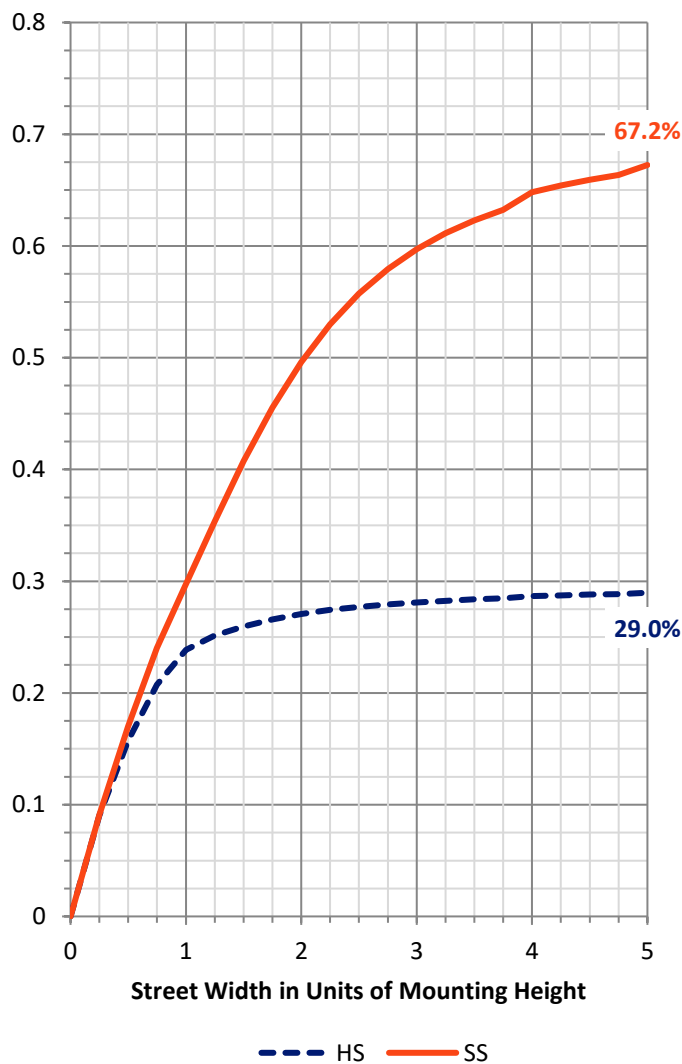
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.4	28.8	1945.2
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4481.2	112.6	4593.8
	% Fixture	68.5	1.7	70.3
Total	Lumens	6397.6	141.4	6539.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	242.6	3.7
20°-30°	431.0	6.6
30°-40°	720.8	11.0
40°-50°	658.3	10.1
50°-60°	977.1	14.9
60°-70°	1602.9	24.5
70°-80°	1375.7	21.0
80°-90°	305.2	4.7
90°-100°	103.0	1.6
100°-110°	25.4	0.4
110°-120°	8.1	0.1
120°-130°	4.5	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°	6397.6	97.8
0°-180°	6539.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691828

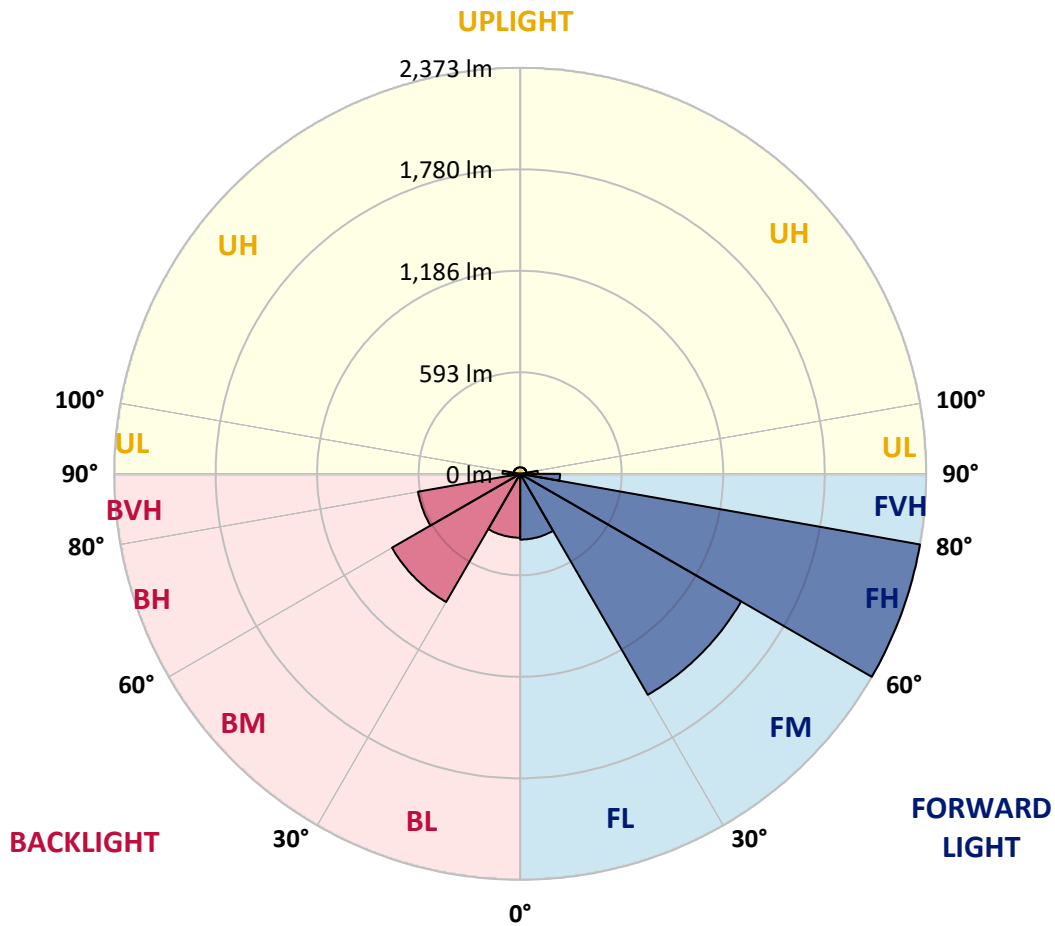
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.3	5.9			
FM (30°-60°)	1491.3	22.8			
FH (60°-80°)	2372.9	36.3			G2/5000
FVH (80°-90°)	232.7	3.6			G3/500
BL (0°-30°)	373.3	5.7	B1/500		
BM (30°-60°)	864.8	13.2	B1/1000		
BH (60°-80°)	605.8	9.3	B2/1000		G2/1000
BVH (80°-90°)	72.5	1.1			G1/100
UL (90°-100°)	103.0	1.6		U3/500	
UH (100°-180°)	38.4	0.6		U2/50	

BUG Rating: B2-U3-G3

Type IV Short





REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8
2.5°	903.0	903.0	903.0	906.4	909.8	906.4	903.0	899.6	896.2	899.6	899.6
5°	899.6	899.6	903.0	903.0	906.4	909.8	906.4	903.0	899.6	899.6	899.6
7.5°	882.7	886.1	886.1	889.5	892.9	899.6	899.6	892.9	892.9	892.9	892.9
10°	865.8	865.8	869.2	872.6	876.0	882.7	882.7	876.0	879.3	882.7	882.7
12.5°	855.7	855.7	859.0	865.8	869.2	872.6	876.0	876.0	879.3	876.0	879.3
15°	848.9	848.9	848.9	859.0	869.2	872.6	879.3	882.7	886.1	886.1	886.1
17.5°	852.3	852.3	852.3	865.8	872.6	882.7	889.5	892.9	892.9	896.2	896.2
20°	859.0	859.0	862.4	872.6	886.1	896.2	903.0	906.4	906.4	913.2	913.2
22.5°	872.6	879.3	876.0	886.1	896.2	909.8	919.9	926.7	926.7	933.5	933.5
25°	903.0	899.6	903.0	913.2	923.3	933.5	940.2	950.4	953.7	960.5	960.5
27.5°	936.8	936.8	936.8	947.0	953.7	963.9	970.7	977.4	984.2	994.3	997.7
30°	987.6	984.2	980.8	990.9	997.7	1007.9	1014.6	1018.0	1018.0	1024.8	1031.5
32.5°	1055.2	1055.2	1055.2	1062.0	1065.4	1075.5	1078.9	1082.3	1078.9	1089.0	1092.4
35°	1139.8	1139.8	1143.1	1149.9	1160.0	1166.8	1170.2	1166.8	1170.2	1177.0	1183.7
37.5°	1224.3	1227.7	1237.8	1248.0	1254.7	1268.3	1278.4	1278.4	1281.8	1302.1	1302.1
40°	990.9	1001.1	1011.2	1034.9	1065.4	1105.9	1173.6	1200.6	1278.4	1319.0	1329.2
42.5°	673.0	696.7	723.8	754.2	777.9	781.3	845.5	882.7	960.5	1034.9	1055.2
45°	642.6	669.6	696.7	676.4	693.3	639.2	703.5	710.2	747.4	804.9	957.1
47.5°	943.6	980.8	1018.0	967.3	977.4	859.0	882.7	855.7	771.1	865.8	1119.5
50°	1231.1	1227.7	1281.8	1258.1	1285.2	1156.7	1166.8	1112.7	980.8	1112.7	1474.6
52.5°	1508.4	1535.5	1593.0	1586.2	1606.5	1440.8	1410.3	1363.0	1156.7	1359.6	1785.7
55°	1829.7	1850.0	1904.1	1887.2	1877.0	1711.3	1657.2	1609.9	1410.3	1674.1	2117.2
57.5°	2130.7	2140.8	2205.1	2147.6	2113.8	1988.7	1914.2	1836.5	1640.3	1961.6	2347.2
60°	2418.2	2431.7	2468.9	2391.1	2337.0	2238.9	2147.6	2063.1	1880.4	2218.6	2560.2
62.5°	2688.7	2675.2	2692.1	2594.0	2556.8	2468.9	2370.8	2266.0	2107.0	2421.6	2766.5
65°	2844.3	2844.3	2864.6	2739.5	2682.0	2627.9	2519.6	2397.9	2252.5	2519.6	2895.0
67.5°	2993.1	3023.6	3013.4	2912.0	2837.6	2763.1	2641.4	2468.9	2323.5	2519.6	2901.8
70°	2939.0	2976.2	2935.6	2854.5	2780.1	2692.1	2580.5	2411.4	2249.1	2397.9	2746.2
72.5°	2705.7	2732.7	2715.8	2644.8	2553.5	2496.0	2377.6	2249.1	2059.7	2188.2	2492.6
75°	2387.7	2381.0	2411.4	2330.2	2252.5	2198.3	2083.4	2002.2	1826.3	1921.0	2211.9
77.5°	1924.4	1927.8	1992.0	1900.7	1839.8	1802.6	1697.8	1630.2	1471.2	1555.8	1779.0
80°	1291.9	1329.2	1390.0	1291.9	1281.8	1231.1	1143.1	1099.2	977.4	1018.0	1136.4
82.5°	537.7	554.7	575.0	544.5	534.4	517.5	480.3	466.7	419.4	439.7	439.7
85°	301.0	297.6	307.8	307.8	301.0	287.5	273.9	250.3	230.0	226.6	209.7
87.5°	253.7	257.0	263.8	263.8	250.3	240.1	223.2	206.3	189.4	179.2	162.3
90°	236.7	240.1	243.5	233.4	219.8	209.7	196.2	182.6	169.1	162.3	145.4
92.5°	226.6	226.6	226.6	213.1	199.5	189.4	179.2	165.7	155.6	148.8	135.3
95°	189.4	186.0	182.6	175.9	162.3	152.2	145.4	131.9	125.1	118.4	111.6
97.5°	142.0	138.7	135.3	131.9	118.4	111.6	108.2	101.5	94.7	84.6	81.2
100°	101.5	98.1	98.1	94.7	87.9	81.2	77.8	71.0	64.3	57.5	54.1
102.5°	67.6	64.3	64.3	60.9	57.5	54.1	47.3	44.0	37.2	33.8	30.4
105°	37.2	37.2	37.2	33.8	33.8	30.4	27.1	23.7	20.3	20.3	16.9
107.5°	27.1	27.1	27.1	27.1	23.7	23.7	20.3	16.9	16.9	13.5	13.5
110°	20.3	20.3	20.3	20.3	20.3	16.9	16.9	13.5	13.5	10.1	10.1



REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.9	16.9	16.9	16.9	16.9	16.9	13.5	13.5	10.1	10.1	10.1
115°	16.9	16.9	16.9	16.9	13.5	13.5	10.1	10.1	10.1	10.1	6.8
117.5°	13.5	13.5	13.5	13.5	13.5	10.1	10.1	10.1	10.1	6.8	10.1
120°	13.5	13.5	13.5	13.5	10.1	10.1	10.1	6.8	6.8	6.8	6.8
122.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	6.8	6.8	6.8	6.8
125°	10.1	10.1	10.1	10.1	10.1	6.8	6.8	6.8	6.8	6.8	6.8
127.5°	10.1	10.1	6.8	10.1	6.8	6.8	6.8	6.8	6.8	3.4	6.8
130°	10.1	10.1	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4
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



REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8	909.8
2.5°	903.0	903.0	906.4	903.0	903.0	896.2	892.9	889.5	889.5	889.5
5°	899.6	899.6	896.2	889.5	886.1	879.3	872.6	869.2	865.8	869.2
7.5°	892.9	886.1	879.3	865.8	855.7	852.3	838.8	835.4	835.4	835.4
10°	879.3	872.6	855.7	838.8	832.0	821.8	811.7	801.5	804.9	808.3
12.5°	876.0	859.0	845.5	828.6	818.5	801.5	798.2	788.0	784.6	784.6
15°	879.3	865.8	848.9	835.4	821.8	815.1	801.5	798.2	788.0	794.8
17.5°	892.9	872.6	859.0	845.5	832.0	825.2	815.1	808.3	811.7	811.7
20°	906.4	886.1	872.6	862.4	848.9	838.8	835.4	828.6	832.0	825.2
22.5°	926.7	906.4	896.2	882.7	872.6	865.8	859.0	862.4	855.7	859.0
25°	953.7	936.8	923.3	913.2	903.0	896.2	896.2	896.2	892.9	896.2
27.5°	990.9	974.0	963.9	957.1	947.0	940.2	933.5	936.8	940.2	936.8
30°	1024.8	1004.5	1001.1	994.3	987.6	984.2	984.2	984.2	984.2	990.9
32.5°	1078.9	1058.6	1051.8	1051.8	1045.1	1041.7	1038.3	1045.1	1048.4	1045.1
35°	1163.4	1136.4	1129.6	1126.2	1122.8	1122.8	1126.2	1126.2	1126.2	1126.2
37.5°	1268.3	1231.1	1224.3	1220.9	1220.9	1220.9	1217.5	1220.9	1231.1	1234.5
40°	1315.6	1291.9	1302.1	1319.0	1329.2	1329.2	1325.8	1332.5	1342.7	1342.7
42.5°	1065.4	1014.6	1051.8	1119.5	1163.4	1217.5	1227.7	1261.5	1288.6	1288.6
45°	865.8	656.1	669.6	713.6	733.9	781.3	808.3	838.8	855.7	832.0
47.5°	974.0	422.8	348.4	361.9	311.2	375.4	419.4	466.7	476.9	487.0
50°	1528.7	436.3	294.2	213.1	142.0	189.4	199.5	226.6	219.8	223.2
52.5°	1856.8	500.5	294.2	189.4	118.4	125.1	115.0	128.5	135.3	148.8
55°	2083.4	602.0	382.2	240.1	138.7	84.6	57.5	44.0	40.6	40.6
57.5°	2191.6	737.3	497.2	341.6	216.5	118.4	50.7	37.2	33.8	30.4
60°	2293.0	882.7	629.1	466.7	341.6	209.7	94.7	37.2	30.4	30.4
62.5°	2384.4	1028.1	761.0	605.4	480.3	328.1	175.9	64.3	33.8	33.8
65°	2458.8	1058.6	771.1	656.1	517.5	385.6	230.0	77.8	37.2	37.2
67.5°	2479.1	1007.9	744.1	602.0	483.6	328.1	179.2	64.3	44.0	40.6
70°	2343.8	957.1	747.4	571.6	436.3	290.9	118.4	74.4	57.5	54.1
72.5°	2120.6	886.1	710.2	554.7	419.4	294.2	138.7	121.8	108.2	101.5
75°	1866.9	801.5	656.1	531.0	405.8	284.1	162.3	152.2	138.7	135.3
77.5°	1498.3	666.3	551.3	449.8	341.6	226.6	135.3	128.5	111.6	111.6
80°	984.2	497.2	416.0	345.0	260.4	159.0	101.5	91.3	81.2	77.8
82.5°	402.5	290.9	250.3	216.5	169.1	101.5	67.6	57.5	47.3	44.0
85°	196.2	145.4	125.1	101.5	84.6	57.5	44.0	37.2	27.1	27.1
87.5°	159.0	115.0	94.7	77.8	57.5	40.6	30.4	23.7	16.9	13.5
90°	145.4	101.5	81.2	64.3	47.3	33.8	20.3	16.9	10.1	6.8
92.5°	131.9	87.9	71.0	50.7	37.2	27.1	13.5	10.1	6.8	6.8
95°	108.2	67.6	54.1	40.6	30.4	20.3	13.5	6.8	3.4	3.4
97.5°	77.8	50.7	40.6	30.4	23.7	13.5	10.1	6.8	3.4	3.4
100°	54.1	33.8	30.4	23.7	16.9	10.1	6.8	3.4	3.4	3.4
102.5°	27.1	20.3	20.3	16.9	13.5	10.1	3.4	3.4	0.0	0.0
105°	16.9	13.5	13.5	10.1	6.8	6.8	3.4	3.4	0.0	0.0
107.5°	10.1	10.1	10.1	6.8	6.8	3.4	3.4	0.0	0.0	0.0
110°	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0



REPORT NUMBER: P691828

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0
115°	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
117.5°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
120°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
122.5°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.4	3.4	3.4	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)