

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: P691899

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691899
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-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 7404 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

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

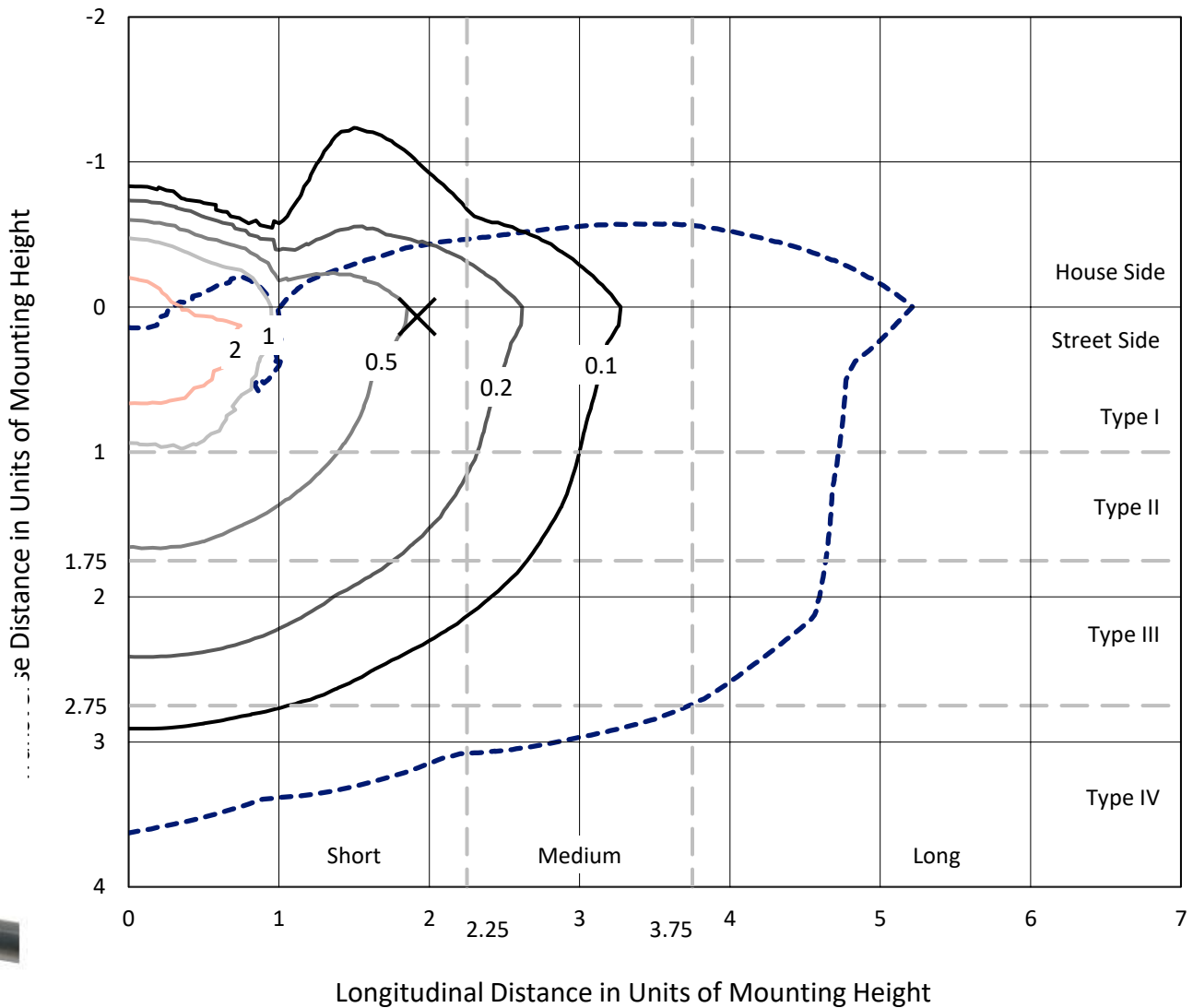


REPORT NUMBER: P691899

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

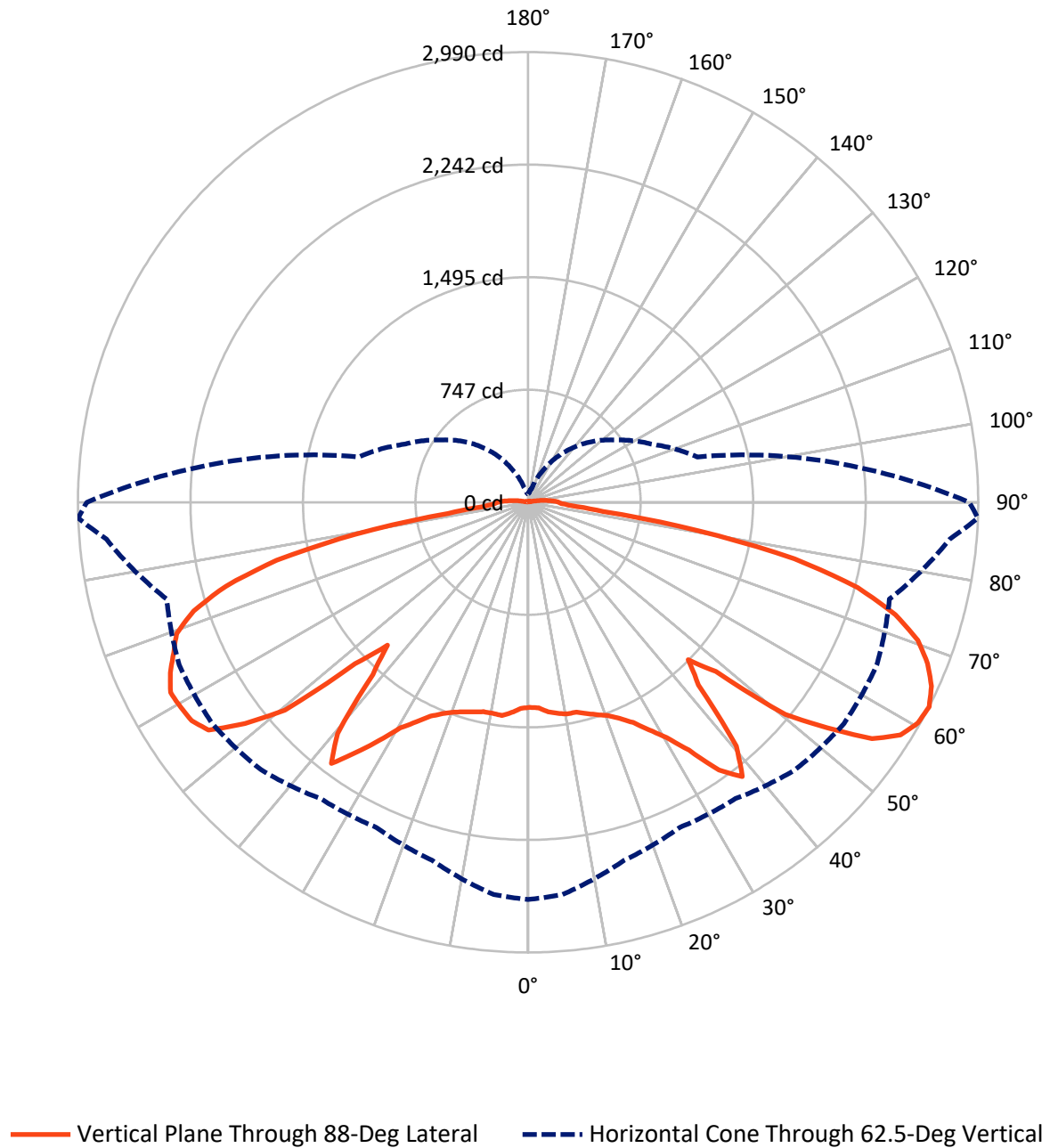


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P691899

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691899

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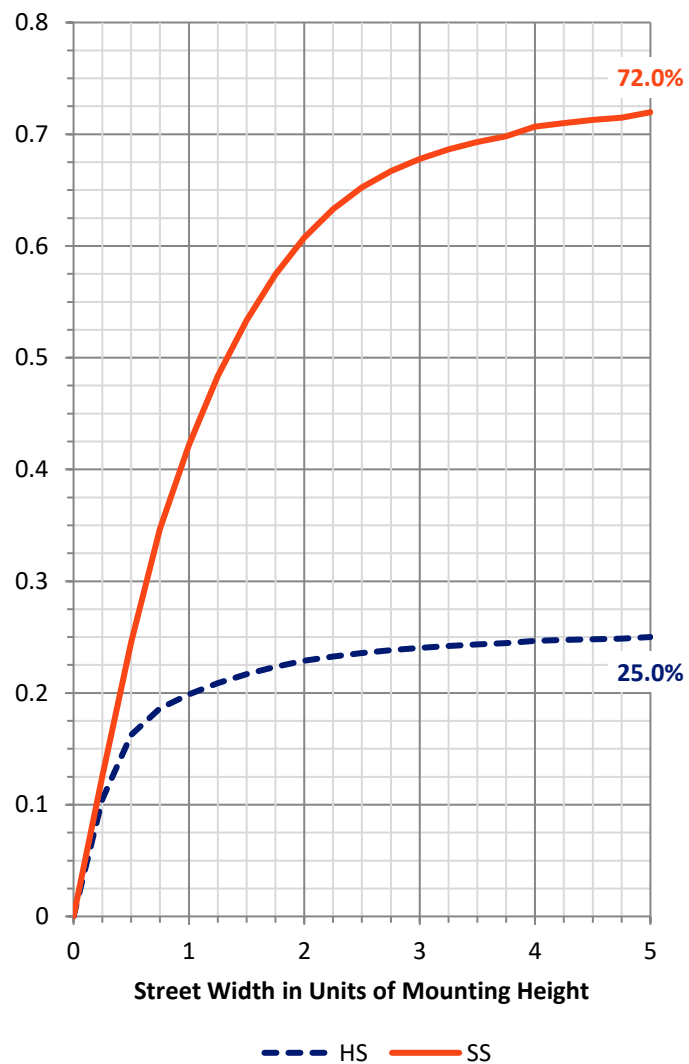
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1883.6	35.5	1919.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5397.3	87.5	5484.8
	% Fixture	72.9	1.2	74.1
Total	Lumens	7281.0	123.0	7404.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	1.8
10°-20°	409.7	5.5
20°-30°	693.9	9.4
30°-40°	957.9	12.9
40°-50°	828.5	11.2
50°-60°	1199.4	16.2
60°-70°	1570.0	21.2
70°-80°	1190.4	16.1
80°-90°	297.0	4.0
90°-100°	87.3	1.2
100°-110°	20.3	0.3
110°-120°	9.0	0.1
120°-130°	5.8	0.1
130°-140°	0.5	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°	7281.0	98.3
0°-180°	7404.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691899

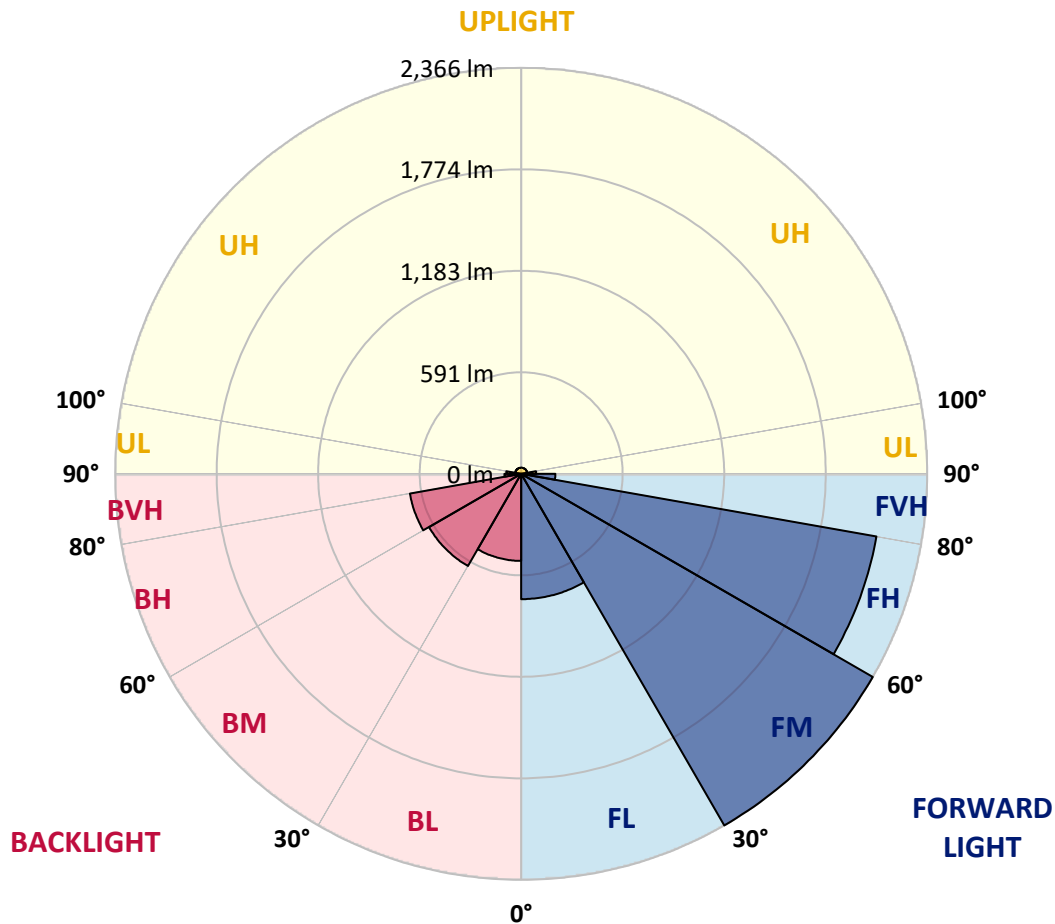
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	730.5	9.9			
FM	(30°-60°)	2365.6	31.9			
FH	(60°-80°)	2101.8	28.4			G2/5000
FVH	(80°-90°)	199.5	2.7			G2/225
BL	(0°-30°)	507.4	6.9	B2/1000		
BM	(30°-60°)	620.2	8.4	B1/1000		
BH	(60°-80°)	658.6	8.9	B2/1000		G2/1000
BVH	(80°-90°)	97.5	1.3			G1/100
UL	(90°-100°)	87.3	1.2		U3/500	
UH	(100°-180°)	35.7	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



REPORT NUMBER: P691899

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6
2.5°	1347.4	1347.4	1344.5	1347.4	1353.1	1358.7	1353.1	1355.9	1358.7	1364.4	1367.2
5°	1398.4	1395.6	1389.9	1384.3	1378.6	1378.6	1372.9	1370.1	1375.8	1392.8	1398.4
7.5°	1441.0	1432.5	1426.8	1429.6	1421.1	1407.0	1395.6	1389.9	1384.3	1407.0	1415.5
10°	1509.1	1503.4	1483.5	1466.5	1455.2	1432.5	1407.0	1404.1	1401.3	1424.0	1429.6
12.5°	1577.1	1571.5	1560.1	1543.1	1506.2	1486.4	1446.7	1429.6	1426.8	1441.0	1429.6
15°	1676.4	1665.1	1633.9	1616.9	1580.0	1548.8	1500.6	1475.0	1480.7	1460.8	1455.2
17.5°	1733.2	1727.5	1724.7	1699.1	1670.8	1616.9	1571.5	1534.6	1545.9	1500.6	1483.5
20°	1795.6	1792.7	1798.4	1801.2	1764.4	1716.1	1659.4	1602.7	1605.5	1545.9	1511.9
22.5°	1875.0	1866.5	1877.8	1892.0	1860.8	1821.1	1747.3	1702.0	1679.3	1599.8	1560.1
25°	1968.6	1965.8	1965.8	1991.3	1985.6	1931.7	1860.8	1809.7	1787.1	1679.3	1619.7
27.5°	2065.0	2067.9	2073.6	2090.6	2099.1	2067.9	1999.8	1954.4	1911.9	1770.0	1710.5
30°	2127.4	2127.4	2167.2	2192.7	2204.0	2204.0	2121.8	2087.7	2045.2	1886.3	1812.6
32.5°	2204.0	2209.7	2246.6	2289.1	2306.2	2328.8	2260.8	2235.2	2198.4	2031.0	1962.9
35°	2257.9	2266.4	2323.2	2388.4	2433.8	2445.1	2405.4	2416.8	2399.8	2221.1	2184.2
37.5°	2022.5	2045.2	2130.3	2257.9	2379.9	2499.0	2541.6	2598.3	2606.8	2399.8	2311.8
40°	1761.5	1770.0	1866.5	1960.1	2110.4	2206.9	2314.7	2439.5	2371.4	2147.3	2130.3
42.5°	1563.0	1599.8	1733.2	1804.1	1920.4	1943.1	1889.2	1809.7	1687.8	1667.9	1659.4
45°	1528.9	1565.8	1699.1	1815.4	1872.2	1594.2	1443.8	1338.9	1387.1	1506.2	1492.1
47.5°	1687.8	1733.2	1872.2	2005.5	1889.2	1580.0	1480.7	1477.9	1438.2	1642.4	1679.3
50°	1784.2	1821.1	1982.8	1979.9	1886.3	1736.0	1789.9	1730.3	1659.4	2008.3	2215.4
52.5°	1832.4	1866.5	1923.2	1994.1	2002.6	1991.3	2005.5	1957.3	1849.5	2331.7	2487.7
55°	1699.1	1784.2	2031.0	2153.0	2204.0	2172.8	2181.3	2147.3	2076.4	2533.1	2771.4
57.5°	2127.4	2172.8	2263.6	2294.8	2326.0	2311.8	2323.2	2311.8	2246.6	2683.4	2916.0
60°	2374.2	2374.2	2413.9	2362.9	2379.9	2428.1	2462.2	2462.2	2394.1	2794.0	2975.6
62.5°	2638.0	2615.3	2462.2	2382.7	2402.6	2510.4	2561.4	2555.8	2484.9	2811.1	2989.8
65°	2587.0	2547.3	2493.4	2320.3	2343.0	2493.4	2564.3	2561.4	2487.7	2748.7	2944.4
67.5°	2206.9	2243.7	2309.0	2294.8	2238.1	2411.1	2521.7	2527.4	2442.3	2643.7	2862.1
70°	1911.9	1934.6	1974.3	2093.4	2118.9	2297.6	2473.5	2499.0	2385.6	2521.7	2745.8
72.5°	1665.1	1679.3	1648.1	1770.0	1860.8	2096.2	2303.3	2351.5	2235.2	2311.8	2550.1
75°	1424.0	1392.8	1355.9	1409.8	1480.7	1730.3	1982.8	2079.2	1977.1	2025.3	2260.8
77.5°	1106.3	1060.9	1024.0	1038.2	1103.4	1319.0	1563.0	1716.1	1625.4	1622.5	1809.7
80°	754.5	714.8	689.3	683.6	731.8	865.2	1041.0	1222.6	1143.1	1066.6	1148.8
82.5°	470.9	470.9	448.2	414.1	411.3	436.8	470.9	516.3	487.9	476.5	502.1
85°	295.0	297.8	286.5	249.6	241.1	246.8	263.8	275.2	266.6	275.2	283.7
87.5°	207.1	204.2	190.1	184.4	181.5	190.1	204.2	209.9	209.9	218.4	218.4
90°	156.0	156.0	147.5	144.7	144.7	153.2	167.4	178.7	187.2	201.4	201.4
92.5°	130.5	130.5	124.8	122.0	122.0	124.8	136.2	150.3	158.8	173.0	167.4
95°	107.8	107.8	105.0	105.0	105.0	107.8	113.5	122.0	124.8	124.8	124.8
97.5°	85.1	82.3	79.4	79.4	79.4	82.3	85.1	93.6	96.4	87.9	87.9
100°	59.6	56.7	53.9	56.7	56.7	56.7	59.6	62.4	62.4	56.7	53.9
102.5°	36.9	36.9	36.9	36.9	34.0	34.0	34.0	34.0	31.2	28.4	28.4
105°	25.5	25.5	22.7	22.7	22.7	22.7	19.9	19.9	19.9	17.0	17.0
107.5°	19.9	19.9	19.9	19.9	19.9	17.0	17.0	17.0	17.0	14.2	14.2
110°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	14.2	14.2	11.3	11.3

REPORT NUMBER: P691899

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	17.0	17.0	17.0	17.0	17.0	14.2	14.2	14.2	14.2	11.3	11.3
115°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.3	11.3
117.5°	14.2	14.2	14.2	14.2	14.2	14.2	11.3	11.3	11.3	14.2	11.3
120°	14.2	14.2	14.2	14.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3
122.5°	14.2	14.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
125°	11.3	11.3	11.3	11.3	8.5	8.5	8.5	8.5	8.5	8.5	8.5
127.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
130°	8.5	8.5	8.5	8.5	8.5	8.5	5.7	5.7	5.7	5.7	5.7
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: P691899

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6
2.5°	1367.2	1372.9	1384.3	1398.4	1409.8	1418.3	1424.0	1429.6	1429.6	1424.0	1429.6
5°	1398.4	1404.1	1424.0	1438.2	1438.2	1429.6	1424.0	1421.1	1426.8	1429.6	1435.3
7.5°	1424.0	1429.6	1421.1	1426.8	1432.5	1424.0	1412.6	1404.1	1395.6	1387.1	1392.8
10°	1426.8	1412.6	1412.6	1407.0	1387.1	1389.9	1387.1	1372.9	1361.6	1364.4	1367.2
12.5°	1424.0	1418.3	1395.6	1384.3	1375.8	1347.4	1336.0	1344.5	1327.5	1336.0	1324.7
15°	1449.5	1421.1	1398.4	1370.1	1338.9	1324.7	1304.8	1276.5	1265.1	1268.0	1270.8
17.5°	1466.5	1438.2	1384.3	1333.2	1316.2	1270.8	1248.1	1233.9	1214.1	1216.9	1228.2
20°	1494.9	1452.3	1375.8	1321.9	1239.6	1208.4	1180.0	1163.0	1146.0	1120.5	1109.1
22.5°	1534.6	1480.7	1364.4	1265.1	1194.2	1140.3	1077.9	1035.4	1012.7	995.6	992.8
25°	1585.7	1523.3	1367.2	1239.6	1126.1	1046.7	992.8	919.1	865.2	859.5	868.0
27.5°	1679.3	1571.5	1384.3	1199.9	1069.4	947.4	848.1	797.1	734.7	720.5	720.5
30°	1770.0	1648.1	1372.9	1165.8	973.0	836.8	703.5	607.0	573.0	547.5	544.6
32.5°	1937.4	1755.9	1432.5	1114.8	885.0	672.3	524.8	419.8	397.1	388.6	385.8
35°	2090.6	1903.4	1438.2	1049.5	754.5	521.9	377.3	306.4	292.2	283.7	280.8
37.5°	2255.1	2045.2	1494.9	995.6	626.9	368.8	272.3	218.4	201.4	190.1	184.4
40°	2065.0	1875.0	1469.4	904.9	465.2	235.4	170.2	119.1	102.1	102.1	102.1
42.5°	1616.9	1424.0	1111.9	731.8	272.3	136.2	85.1	82.3	85.1	87.9	87.9
45°	1432.5	1180.0	680.8	388.6	113.5	76.6	68.1	65.2	73.8	82.3	85.1
47.5°	1684.9	1404.1	524.8	272.3	122.0	76.6	62.4	62.4	59.6	53.9	53.9
50°	2277.8	1894.8	601.4	312.0	153.2	85.1	62.4	53.9	53.9	56.7	59.6
52.5°	2570.0	2110.4	709.1	405.6	224.1	116.3	68.1	53.9	48.2	39.7	39.7
55°	2822.4	2280.6	839.6	524.8	329.0	181.5	96.4	56.7	48.2	39.7	36.9
57.5°	2904.7	2300.5	978.6	660.9	448.2	283.7	167.4	79.4	51.1	42.5	39.7
60°	2916.0	2323.2	1083.6	805.6	584.3	414.1	275.2	144.7	65.2	51.1	48.2
62.5°	2930.2	2328.8	1163.0	910.5	720.5	561.6	397.1	229.8	99.3	59.6	56.7
65°	2879.1	2260.8	1143.1	887.9	760.2	621.2	456.7	269.5	113.5	68.1	65.2
67.5°	2794.0	2201.2	1060.9	816.9	686.5	541.8	391.5	218.4	105.0	79.4	76.6
70°	2726.0	2141.6	1018.3	811.3	635.4	473.7	314.9	158.8	124.8	107.8	102.1
72.5°	2558.6	1999.8	984.3	808.4	635.4	462.4	306.4	170.2	170.2	173.0	161.7
75°	2277.8	1787.1	933.2	785.7	621.2	459.5	295.0	184.4	184.4	164.5	156.0
77.5°	1880.7	1463.7	825.5	717.7	564.5	405.6	241.1	153.2	147.5	127.6	122.0
80°	1245.3	1049.5	658.1	592.8	465.2	326.2	178.7	119.1	110.6	93.6	87.9
82.5°	558.8	502.1	417.0	419.8	334.7	232.6	122.0	82.3	76.6	62.4	59.6
85°	306.4	289.3	226.9	198.6	170.2	122.0	70.9	53.9	45.4	34.0	34.0
87.5°	232.6	224.1	167.4	130.5	99.3	70.9	45.4	34.0	25.5	17.0	14.2
90°	212.7	201.4	136.2	105.0	79.4	56.7	36.9	22.7	17.0	11.3	8.5
92.5°	178.7	170.2	110.6	87.9	68.1	51.1	31.2	17.0	11.3	5.7	5.7
95°	130.5	127.6	82.3	68.1	53.9	42.5	25.5	14.2	8.5	5.7	2.8
97.5°	87.9	85.1	59.6	51.1	42.5	31.2	19.9	11.3	5.7	2.8	2.8
100°	53.9	53.9	36.9	34.0	28.4	22.7	14.2	8.5	5.7	2.8	2.8
102.5°	28.4	25.5	19.9	19.9	17.0	14.2	11.3	5.7	2.8	0.0	0.0
105°	17.0	14.2	14.2	11.3	11.3	8.5	8.5	5.7	2.8	0.0	0.0
107.5°	14.2	11.3	11.3	8.5	8.5	5.7	5.7	2.8	2.8	0.0	0.0
110°	11.3	11.3	8.5	8.5	5.7	5.7	5.7	2.8	0.0	0.0	0.0



REPORT NUMBER: P691899

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	8.5	8.5	5.7	5.7	5.7	2.8	2.8	0.0	0.0	0.0
115°	11.3	8.5	5.7	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0
117.5°	11.3	8.5	5.7	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0
120°	11.3	8.5	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0
122.5°	11.3	8.5	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0
125°	8.5	5.7	5.7	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
127.5°	8.5	5.7	5.7	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
130°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	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)