

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: P691900

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8567 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - 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

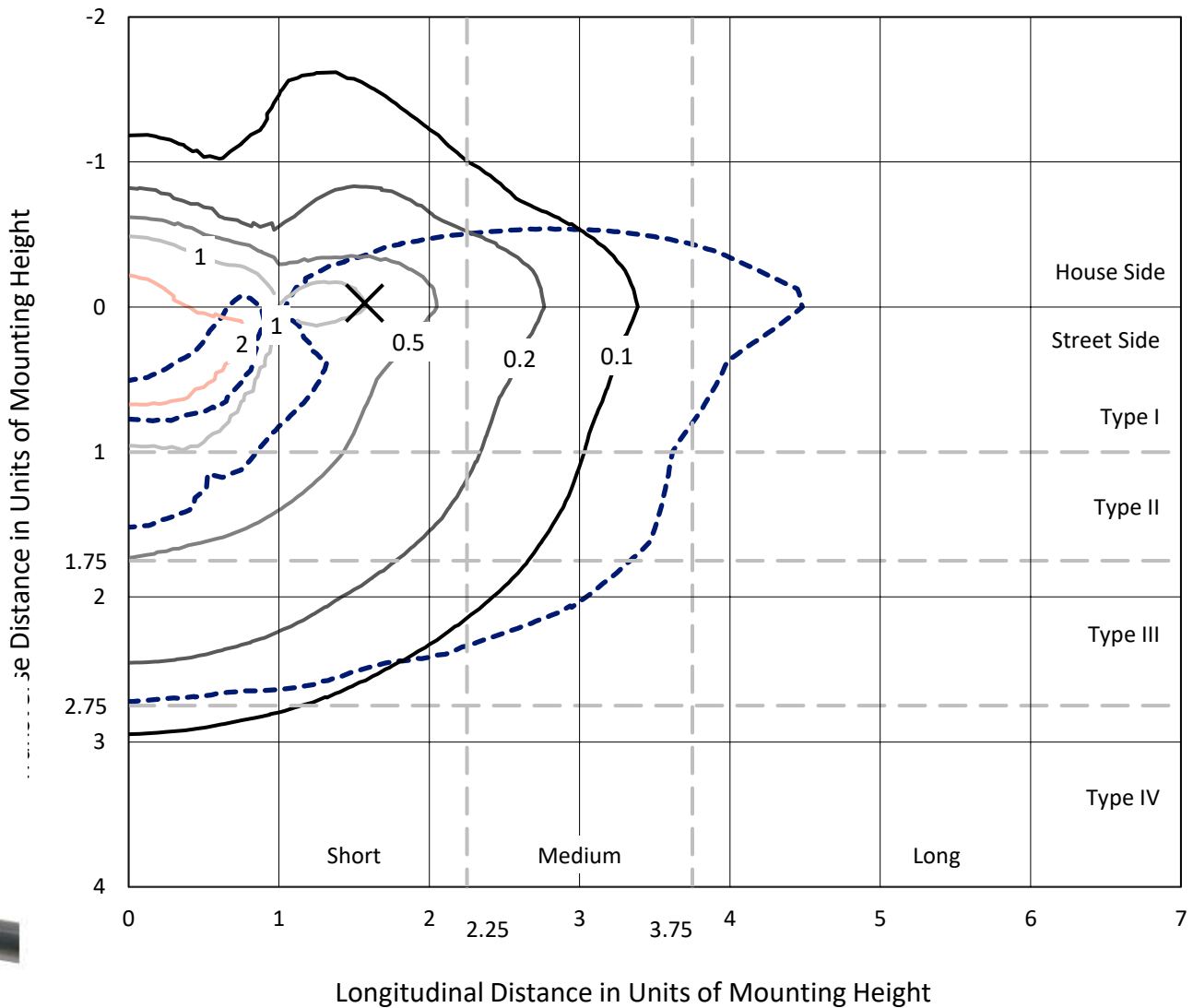


REPORT NUMBER: P691900

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

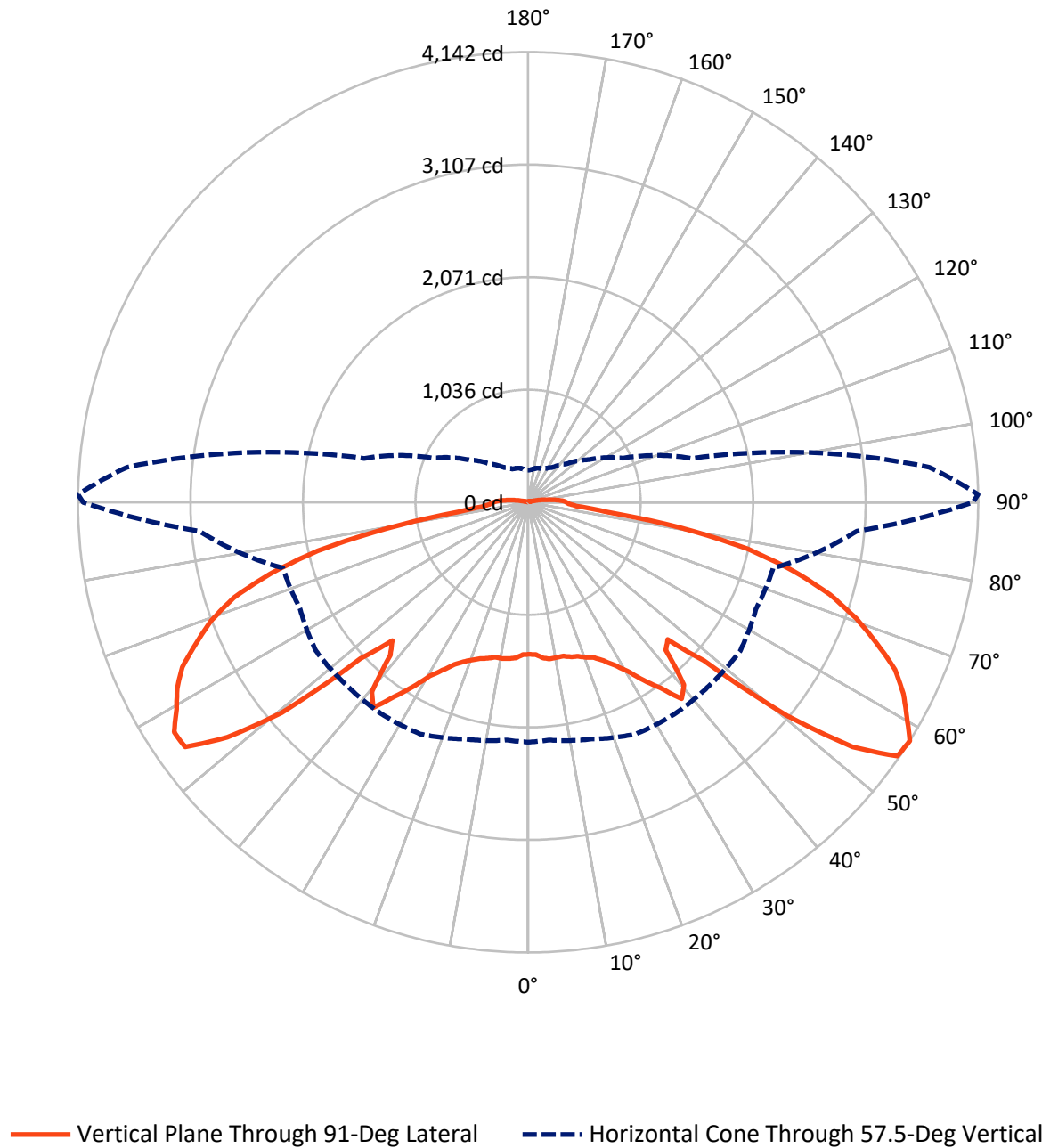


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

REPORT NUMBER: P691900

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

Luminous Intensity Polar Plot



REPORT NUMBER: P691900

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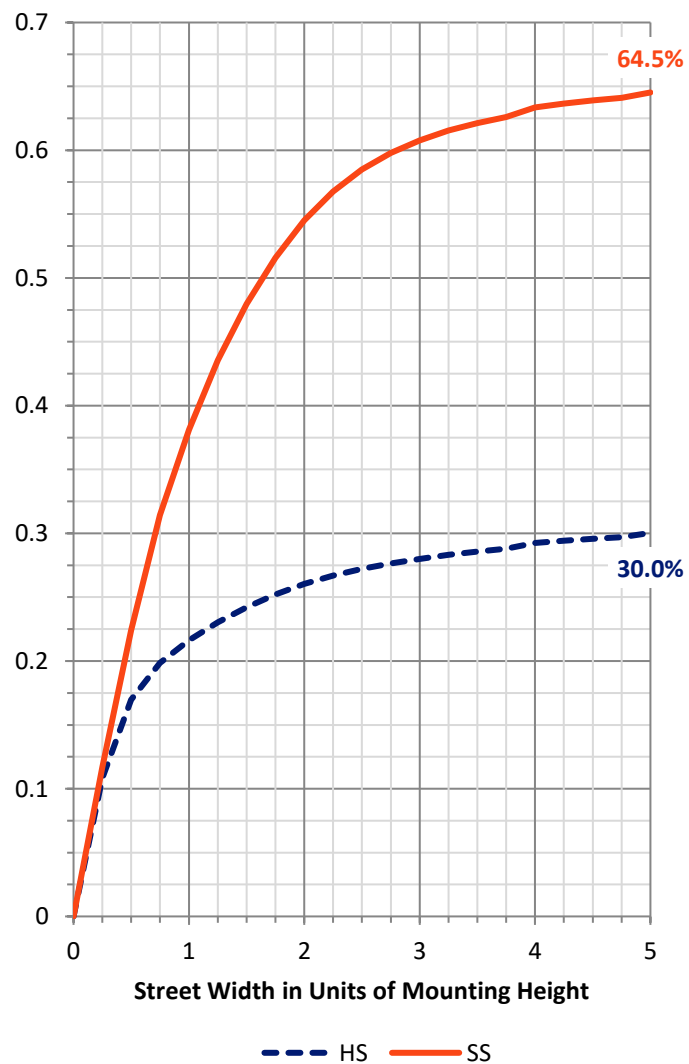
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2719.3	132.2	2851.5
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5602.3	113.1	5715.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	8321.6	245.4	8567.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	1.6
10°-20°	416.3	4.9
20°-30°	707.9	8.3
30°-40°	996.0	11.6
40°-50°	945.9	11.0
50°-60°	1416.9	16.5
60°-70°	1833.5	21.4
70°-80°	1387.6	16.2
80°-90°	480.7	5.6
90°-100°	180.5	2.1
100°-110°	42.3	0.5
110°-120°	14.6	0.2
120°-130°	7.4	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°	8321.6	97.1
0°-180°	8567.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691900

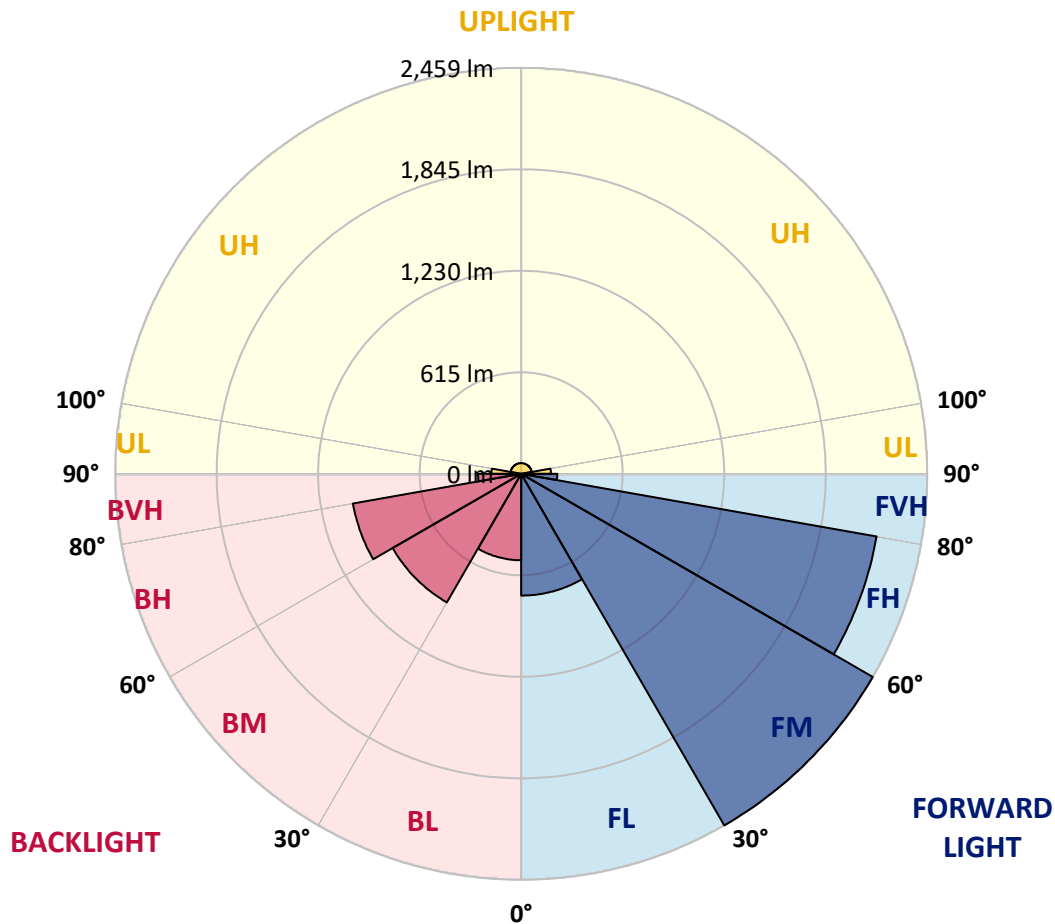
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	737.6	8.6			
FM	(30°-60°)	2459.4	28.7			
FH	(60°-80°)	2186.2	25.5			G2/5000
FVH	(80°-90°)	219.2	2.6			G2/225
BL	(0°-30°)	523.5	6.1	B2/1000		
BM	(30°-60°)	899.4	10.5	B1/1000		
BH	(60°-80°)	1034.9	12.1	B3/2500		G3/2500
BVH	(80°-90°)	261.5	3.1			G3/500
UL	(90°-100°)	180.5	2.1		U3/500	
UH	(100°-180°)	64.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



REPORT NUMBER: P691900

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7
2.5°	1373.2	1373.2	1373.2	1376.0	1384.5	1390.2	1393.1	1390.2	1393.1	1398.7	1404.4
5°	1412.9	1410.1	1407.2	1401.6	1398.7	1398.7	1401.6	1401.6	1407.2	1427.1	1438.5
7.5°	1449.8	1444.1	1441.3	1441.3	1438.5	1424.3	1421.4	1412.9	1410.1	1435.6	1452.6
10°	1517.9	1512.2	1495.2	1475.3	1469.7	1452.6	1427.1	1421.4	1424.3	1452.6	1458.3
12.5°	1580.3	1577.5	1566.1	1546.3	1517.9	1500.9	1464.0	1447.0	1449.8	1466.8	1455.5
15°	1685.3	1673.9	1639.9	1622.9	1594.5	1563.3	1515.1	1495.2	1500.9	1486.7	1481.0
17.5°	1747.7	1739.2	1739.2	1708.0	1688.1	1634.2	1588.8	1551.9	1566.1	1529.2	1498.0
20°	1804.4	1804.4	1807.3	1813.0	1776.1	1733.5	1671.1	1625.7	1628.5	1574.6	1529.2
22.5°	1892.4	1883.9	1892.4	1900.9	1875.4	1838.5	1761.9	1716.5	1696.6	1628.5	1569.0
25°	1983.2	1977.5	1977.5	2000.2	2008.7	1952.0	1881.1	1832.8	1804.4	1705.1	1625.7
27.5°	2074.0	2076.8	2085.3	2093.8	2108.0	2079.7	2008.7	1971.8	1935.0	1795.9	1716.5
30°	2147.7	2142.1	2179.0	2198.8	2213.0	2224.3	2144.9	2105.2	2065.5	1912.3	1818.6
32.5°	2230.0	2230.0	2264.1	2301.0	2320.8	2343.5	2278.3	2252.7	2210.2	2051.3	1988.9
35°	2298.1	2298.1	2349.2	2411.6	2448.5	2465.5	2431.5	2428.6	2420.1	2241.4	2150.6
37.5°	2068.3	2096.7	2176.1	2301.0	2442.8	2556.3	2564.8	2621.6	2649.9	2457.0	2340.7
40°	1804.4	1813.0	1906.6	2017.2	2150.6	2292.4	2428.6	2596.0	2576.2	2343.5	2241.4
42.5°	1625.7	1648.4	1767.6	1852.7	1940.6	2028.6	2028.6	2022.9	1881.1	1923.6	1883.9
45°	1608.7	1614.4	1713.7	1841.3	1875.4	1753.4	1583.1	1489.5	1500.9	1708.0	1801.6
47.5°	1784.6	1793.1	1895.2	2017.2	1895.2	1679.6	1512.2	1498.0	1489.5	1855.5	2173.3
50°	1878.2	1883.9	1980.4	2042.8	1852.7	1849.8	1852.7	1801.6	1756.2	2434.3	3118.1
52.5°	1935.0	1940.6	1935.0	2014.4	1949.1	2099.5	2048.4	1963.3	1929.3	2820.2	3682.7
55°	1784.6	1821.5	1974.7	2184.6	2190.3	2241.4	2221.5	2144.9	2142.1	2964.9	4105.4
57.5°	2207.3	2196.0	2255.6	2352.0	2369.0	2371.9	2383.2	2315.1	2335.0	3038.6	4094.1
60°	2499.6	2468.3	2405.9	2451.3	2471.2	2502.4	2542.1	2465.5	2488.2	3103.9	3915.3
62.5°	2774.8	2726.5	2485.4	2476.9	2508.1	2570.5	2627.2	2567.6	2587.5	3126.6	3790.5
65°	2735.0	2692.5	2510.9	2411.6	2457.0	2542.1	2621.6	2593.2	2587.5	3078.3	3637.3
67.5°	2357.7	2360.5	2340.7	2340.7	2323.7	2445.6	2573.3	2576.2	2547.8	2956.3	3407.5
70°	2025.7	2014.4	2045.6	2164.8	2181.8	2326.5	2496.7	2525.1	2488.2	2820.2	3186.2
72.5°	1725.0	1716.5	1722.2	1821.5	1963.3	2122.2	2315.1	2383.2	2329.3	2576.2	2916.6
75°	1427.1	1418.6	1415.8	1449.8	1563.3	1761.9	1983.2	2105.2	2059.8	2221.5	2522.3
77.5°	1083.8	1066.8	1066.8	1078.1	1163.2	1342.0	1554.8	1725.0	1702.3	1790.3	2034.3
80°	720.6	723.5	717.8	715.0	771.7	876.7	1032.7	1237.0	1225.7	1225.7	1350.5
82.5°	456.8	456.8	465.3	436.9	431.3	442.6	479.5	561.8	567.4	621.3	663.9
85°	292.2	295.1	295.1	266.7	258.2	266.7	292.2	317.8	329.1	383.0	431.3
87.5°	212.8	212.8	207.1	201.4	204.3	212.8	232.6	255.3	275.2	317.8	360.3
90°	161.7	161.7	158.9	156.0	161.7	173.1	198.6	224.1	249.7	297.9	337.6
92.5°	133.3	133.3	130.5	130.5	133.3	141.9	164.6	192.9	218.5	258.2	295.1
95°	110.7	113.5	110.7	113.5	116.3	122.0	136.2	158.9	175.9	201.4	227.0
97.5°	88.0	90.8	90.8	90.8	93.6	102.1	110.7	124.8	136.2	147.5	164.6
100°	65.3	68.1	68.1	68.1	70.9	79.4	88.0	93.6	96.5	99.3	107.8
102.5°	48.2	51.1	51.1	51.1	51.1	56.7	59.6	62.4	62.4	62.4	65.3
105°	34.0	34.0	34.0	34.0	34.0	34.0	36.9	36.9	36.9	36.9	36.9
107.5°	25.5	25.5	25.5	25.5	25.5	25.5	28.4	28.4	28.4	28.4	28.4
110°	22.7	22.7	22.7	22.7	22.7	22.7	22.7	25.5	22.7	22.7	25.5

REPORT NUMBER: P691900

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.9	19.9	19.9	19.9	19.9	19.9	22.7	22.7	19.9	19.9	19.9
115°	17.0	17.0	17.0	17.0	17.0	17.0	19.9	19.9	17.0	17.0	17.0
117.5°	14.2	14.2	14.2	14.2	14.2	14.2	17.0	17.0	14.2	17.0	17.0
120°	14.2	17.0	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	17.0
122.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	14.2	14.2
125°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
127.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.3	11.3
130°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
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

REPORT NUMBER: P691900

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

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7	1398.7
2.5°	1404.4	1410.1	1421.4	1432.8	1444.1	1455.5	1461.1	1464.0	1466.8	1461.1	1464.0
5°	1438.5	1444.1	1461.1	1478.2	1475.3	1466.8	1455.5	1455.5	1458.3	1458.3	1464.0
7.5°	1455.5	1464.0	1458.3	1461.1	1466.8	1458.3	1447.0	1432.8	1415.8	1415.8	1418.6
10°	1452.6	1444.1	1452.6	1444.1	1424.3	1421.4	1415.8	1395.9	1384.5	1387.4	1387.4
12.5°	1452.6	1449.8	1432.8	1424.3	1407.2	1376.0	1361.8	1367.5	1353.3	1356.2	1350.5
15°	1475.3	1455.5	1432.8	1404.4	1367.5	1350.5	1330.6	1299.4	1296.6	1296.6	1296.6
17.5°	1489.5	1475.3	1424.3	1367.5	1342.0	1299.4	1276.7	1268.2	1245.5	1254.0	1259.7
20°	1523.6	1489.5	1415.8	1356.2	1268.2	1242.7	1205.8	1197.3	1185.9	1151.9	1140.5
22.5°	1551.9	1520.7	1407.2	1302.3	1228.5	1168.9	1112.2	1072.5	1052.6	1038.4	1027.1
25°	1614.4	1566.1	1415.8	1276.7	1163.2	1086.6	1035.6	964.6	916.4	910.7	916.4
27.5°	1696.6	1620.0	1435.6	1242.7	1112.2	993.0	890.9	842.6	791.6	774.6	777.4
30°	1801.6	1699.5	1432.8	1211.5	1021.4	885.2	754.7	672.4	632.7	615.7	612.8
32.5°	1952.0	1810.1	1498.0	1171.8	939.1	734.8	593.0	490.8	471.0	468.1	465.3
35°	2099.5	1988.9	1529.2	1112.2	819.9	590.1	448.3	385.9	383.0	380.2	377.3
37.5°	2295.3	2164.8	1617.2	1075.3	706.5	445.4	360.3	314.9	306.4	292.2	297.9
40°	2207.3	2099.5	1642.7	1018.5	547.6	329.1	269.5	232.6	227.0	229.8	227.0
42.5°	1858.4	1778.9	1432.8	876.7	377.3	241.2	201.4	207.1	218.5	227.0	227.0
45°	1801.6	1645.6	1032.7	621.3	244.0	201.4	195.8	204.3	224.1	244.0	246.8
47.5°	2176.1	1977.5	905.1	479.5	280.9	229.8	210.0	210.0	221.3	224.1	221.3
50°	3084.0	2783.3	1058.3	550.4	349.0	278.0	241.2	227.0	232.6	238.3	235.5
52.5°	3739.4	3362.1	1205.8	658.2	436.9	332.0	283.7	249.7	244.0	244.0	241.2
55°	4122.4	3694.0	1378.9	811.4	547.6	400.0	329.1	289.4	275.2	263.9	263.9
57.5°	4142.3	3705.4	1560.4	961.8	683.8	499.3	391.5	337.6	326.3	300.7	295.1
60°	4003.3	3657.1	1699.5	1112.2	814.3	638.4	499.3	419.9	405.7	391.5	383.0
62.5°	3875.6	3577.7	1767.6	1237.0	953.3	794.4	635.5	524.9	479.5	496.5	507.9
65°	3711.0	3489.7	1722.2	1248.4	1015.7	888.0	734.8	573.1	496.5	533.4	553.3
67.5°	3458.5	3259.9	1608.7	1146.2	947.6	831.3	689.4	539.1	479.5	493.7	493.7
70°	3203.2	2990.4	1498.0	1066.8	854.0	732.0	598.6	482.3	473.8	465.3	465.3
72.5°	2902.4	2649.9	1353.3	1018.5	817.1	712.1	581.6	485.2	507.9	519.2	519.2
75°	2522.3	2241.4	1200.1	976.0	800.1	726.3	584.5	522.0	561.8	567.4	567.4
77.5°	2065.5	1759.1	1021.4	899.4	751.9	697.9	544.7	513.5	553.3	561.8	564.6
80°	1421.4	1245.5	856.8	783.1	672.4	627.0	502.2	499.3	539.1	558.9	561.8
82.5°	720.6	709.3	624.2	615.7	573.1	547.6	465.3	485.2	527.7	556.1	558.9
85°	445.4	462.5	417.1	411.4	425.6	436.9	422.7	462.5	493.7	524.9	530.6
87.5°	371.7	391.5	349.0	332.0	337.6	357.5	374.5	417.1	445.4	471.0	473.8
90°	349.0	366.0	297.9	283.7	295.1	309.3	320.6	343.3	366.0	380.2	380.2
92.5°	306.4	312.1	246.8	235.5	252.5	261.0	258.2	263.9	263.9	235.5	235.5
95°	235.5	235.5	187.3	187.3	201.4	204.3	184.4	167.4	156.0	93.6	79.4
97.5°	170.2	167.4	136.2	136.2	147.5	144.7	122.0	102.1	85.1	53.9	56.7
100°	113.5	110.7	90.8	96.5	102.1	90.8	76.6	62.4	51.1	34.0	39.7
102.5°	68.1	65.3	59.6	62.4	59.6	56.7	45.4	36.9	31.2	19.9	22.7
105°	39.7	36.9	36.9	36.9	36.9	34.0	31.2	22.7	17.0	11.3	11.3
107.5°	28.4	28.4	28.4	25.5	25.5	22.7	19.9	17.0	11.3	8.5	5.7
110°	25.5	22.7	22.7	22.7	19.9	19.9	17.0	14.2	8.5	5.7	5.7

REPORT NUMBER: P691900

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

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.9	19.9	19.9	17.0	17.0	14.2	11.3	11.3	8.5	2.8	2.8
115°	17.0	17.0	14.2	14.2	11.3	11.3	8.5	8.5	5.7	2.8	2.8
117.5°	17.0	17.0	11.3	11.3	8.5	8.5	8.5	5.7	2.8	2.8	2.8
120°	17.0	14.2	11.3	8.5	8.5	8.5	5.7	5.7	2.8	0.0	2.8
122.5°	14.2	14.2	8.5	8.5	5.7	5.7	5.7	2.8	2.8	0.0	0.0
125°	11.3	11.3	8.5	5.7	5.7	5.7	5.7	2.8	2.8	0.0	0.0
127.5°	11.3	11.3	8.5	5.7	5.7	5.7	5.7	2.8	2.8	0.0	0.0
130°	8.5	8.5	5.7	5.7	5.7	5.7	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)