

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: P691807

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691807
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-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 7664 lumens
Efficiency: N/A
Efficacy: 102.3 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): 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

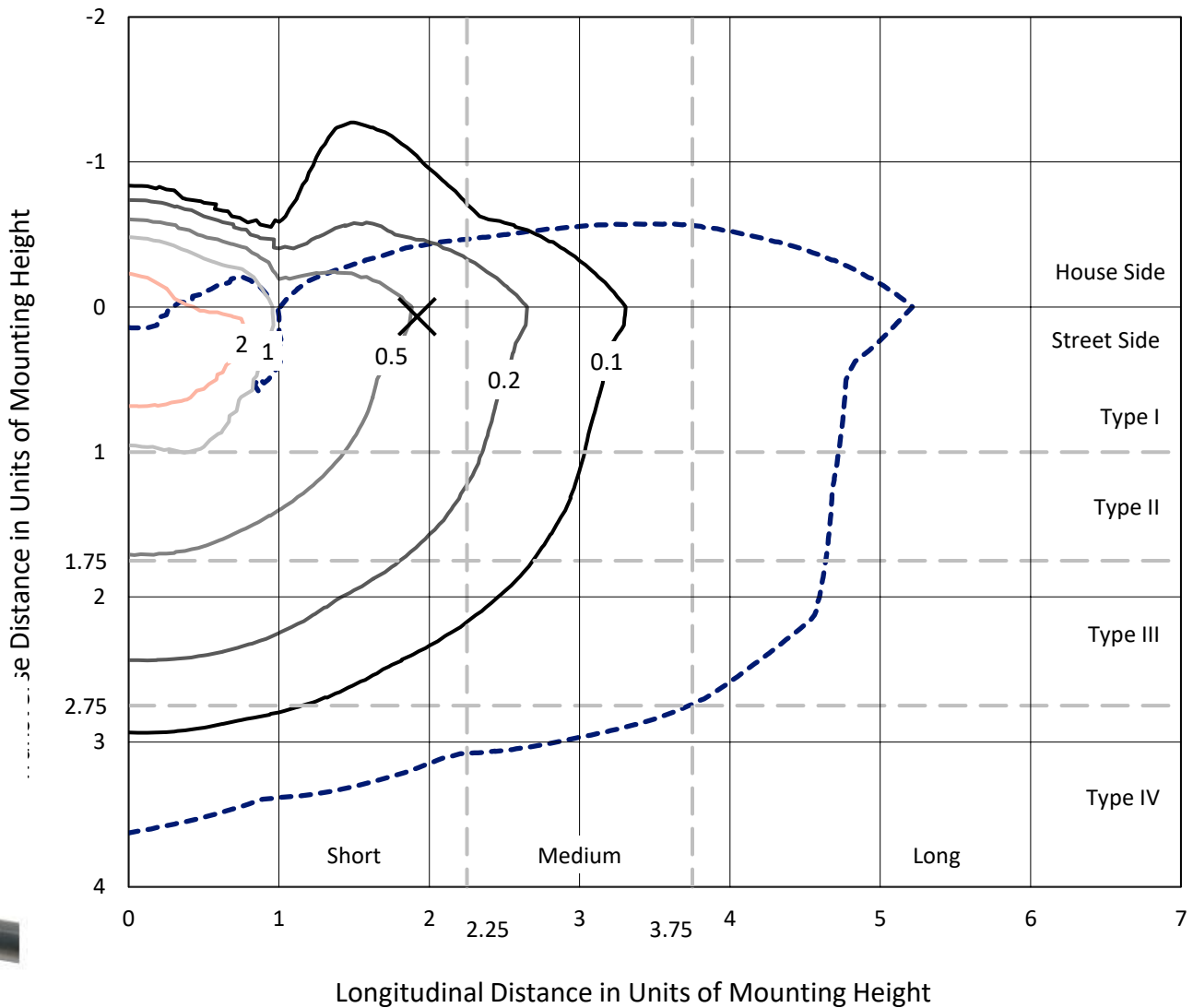


REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

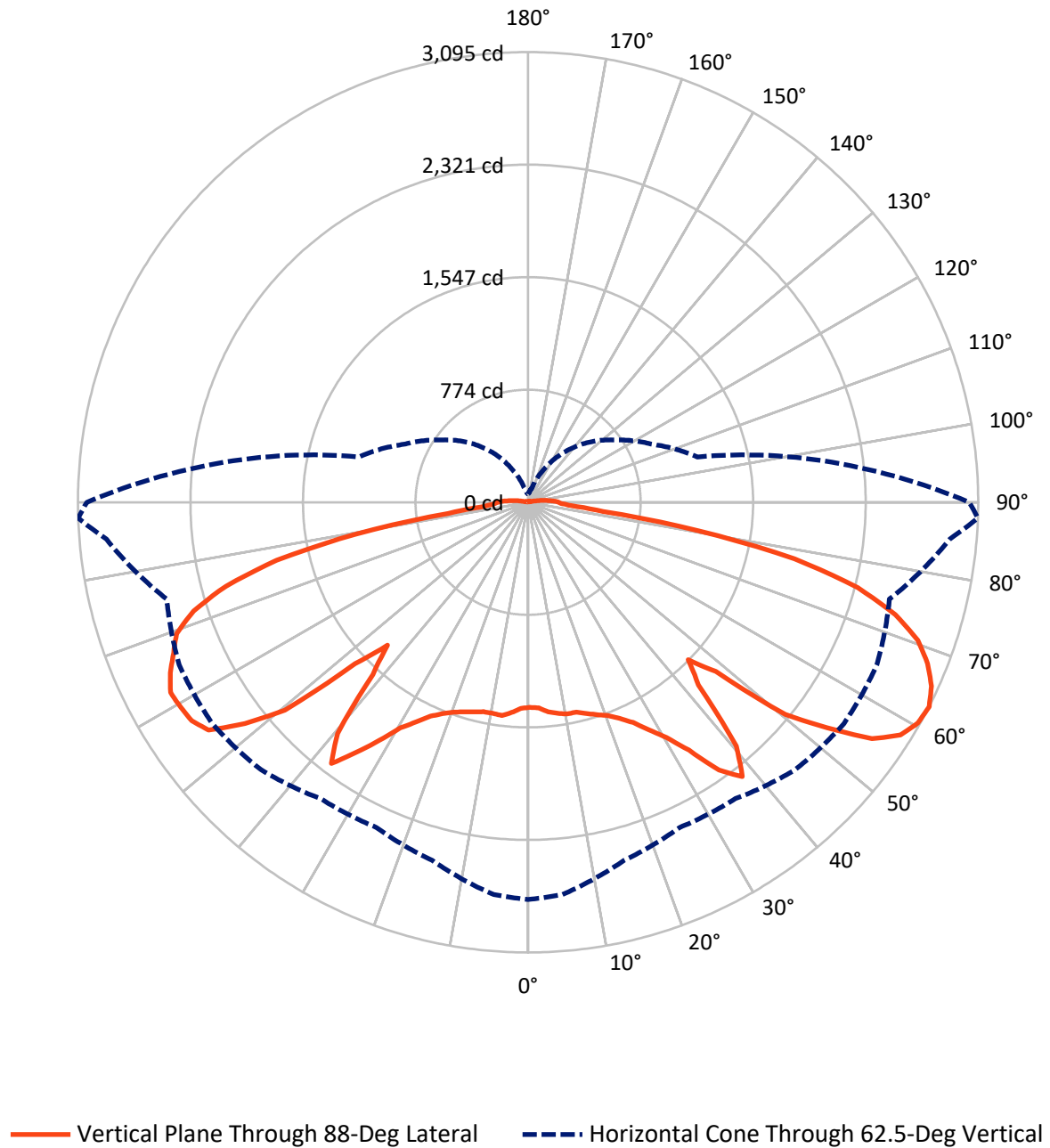


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

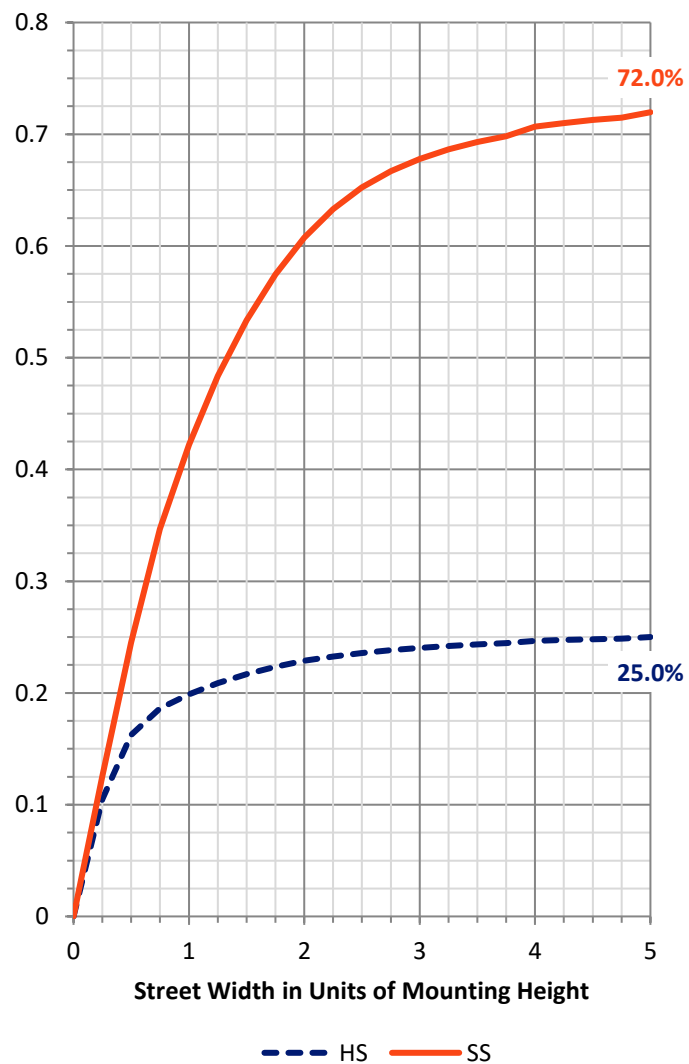
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1949.8	36.7	1986.5
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5586.9	90.6	5677.5
	% Fixture	72.9	1.2	74.1
Total	Lumens	7536.6	127.3	7664.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	1.8
10°-20°	424.1	5.5
20°-30°	718.3	9.4
30°-40°	991.5	12.9
40°-50°	857.5	11.2
50°-60°	1241.5	16.2
60°-70°	1625.2	21.2
70°-80°	1232.2	16.1
80°-90°	307.4	4.0
90°-100°	90.4	1.2
100°-110°	21.0	0.3
110°-120°	9.4	0.1
120°-130°	6.0	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°	7536.6	98.3
0°-180°	7664.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691807

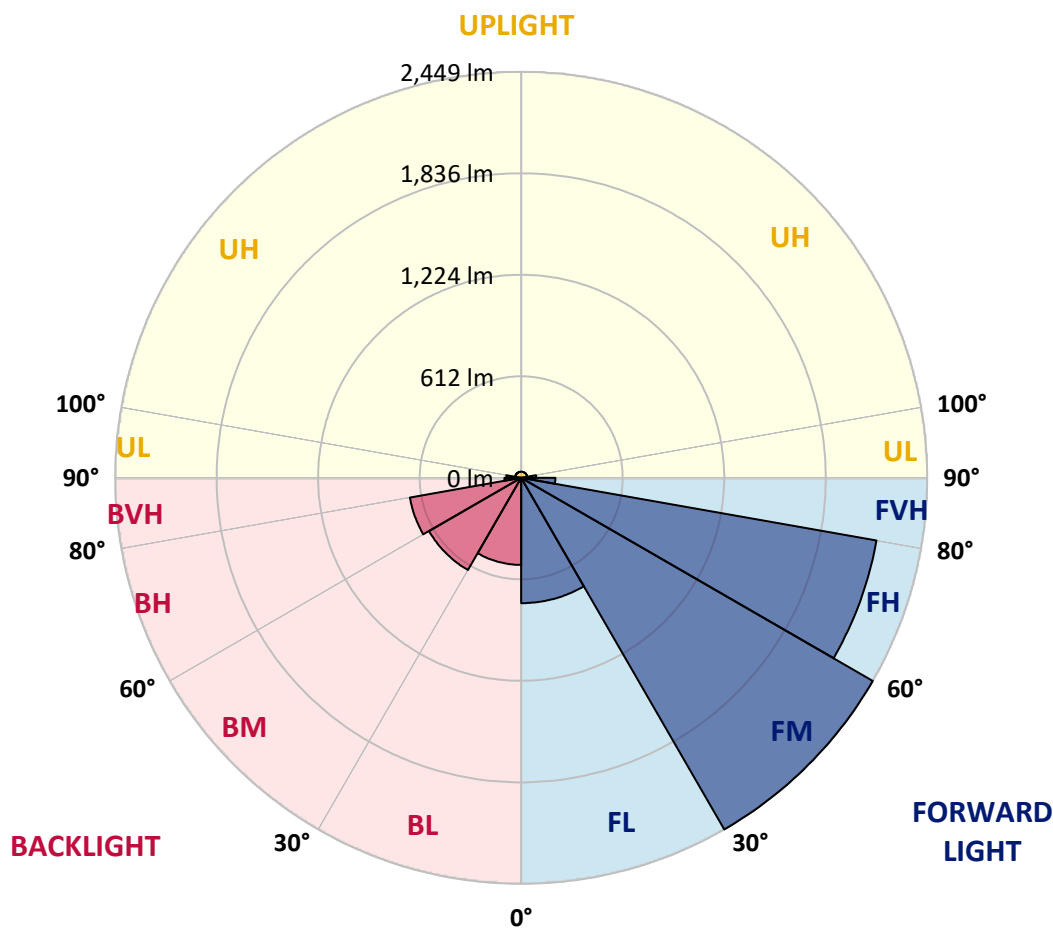
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	756.1	9.9			
FM	(30°-60°)	2448.6	31.9			
FH	(60°-80°)	2175.6	28.4			G2/5000
FVH	(80°-90°)	206.5	2.7			G2/225
BL	(0°-30°)	525.2	6.9	B2/1000		
BM	(30°-60°)	642.0	8.4	B1/1000		
BH	(60°-80°)	681.7	8.9	B2/1000		G2/1000
BVH	(80°-90°)	100.9	1.3			G2/225
UL	(90°-100°)	90.4	1.2		U3/500	
UH	(100°-180°)	36.9	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4
2.5°	1394.7	1394.7	1391.8	1394.7	1400.6	1406.4	1400.6	1403.5	1406.4	1412.3	1415.3
5°	1447.6	1444.6	1438.7	1432.9	1427.0	1427.0	1421.1	1418.2	1424.1	1441.7	1447.6
7.5°	1491.6	1482.8	1476.9	1479.8	1471.0	1456.4	1444.6	1438.7	1432.9	1456.4	1465.2
10°	1562.1	1556.2	1535.6	1518.0	1506.3	1482.8	1456.4	1453.4	1450.5	1474.0	1479.8
12.5°	1632.5	1626.7	1614.9	1597.3	1559.1	1538.6	1497.5	1479.8	1476.9	1491.6	1479.8
15°	1735.3	1723.6	1691.3	1673.6	1635.5	1603.2	1553.3	1526.8	1532.7	1512.1	1506.3
17.5°	1794.0	1788.2	1785.2	1758.8	1729.4	1673.6	1626.7	1588.5	1600.2	1553.3	1535.6
20°	1858.6	1855.7	1861.6	1864.5	1826.3	1776.4	1717.7	1659.0	1661.9	1600.2	1565.0
22.5°	1940.8	1932.0	1943.8	1958.5	1926.2	1885.0	1808.7	1761.7	1738.2	1656.0	1614.9
25°	2037.7	2034.8	2034.8	2061.2	2055.3	1999.6	1926.2	1873.3	1849.8	1738.2	1676.6
27.5°	2137.6	2140.5	2146.4	2164.0	2172.8	2140.5	2070.0	2023.0	1979.0	1832.2	1770.5
30°	2202.2	2202.2	2243.3	2269.7	2281.4	2281.4	2196.3	2161.0	2117.0	1952.6	1876.2
32.5°	2281.4	2287.3	2325.5	2369.5	2387.1	2410.6	2340.2	2313.7	2275.6	2102.3	2031.9
35°	2337.2	2346.0	2404.8	2472.3	2519.3	2531.0	2489.9	2501.7	2484.0	2299.1	2260.9
37.5°	2093.5	2117.0	2205.1	2337.2	2463.5	2586.8	2630.8	2689.6	2698.4	2484.0	2393.0
40°	1823.4	1832.2	1932.0	2028.9	2184.5	2284.4	2395.9	2525.1	2454.7	2222.7	2205.1
42.5°	1617.9	1656.0	1794.0	1867.4	1987.8	2011.3	1955.5	1873.3	1747.0	1726.5	1717.7
45°	1582.6	1620.8	1758.8	1879.2	1937.9	1650.1	1494.5	1385.9	1435.8	1559.1	1544.4
47.5°	1747.0	1794.0	1937.9	2075.9	1955.5	1635.5	1532.7	1529.8	1488.7	1700.1	1738.2
50°	1846.9	1885.0	2052.4	2049.5	1952.6	1797.0	1852.7	1791.1	1717.7	2078.8	2293.2
52.5°	1896.8	1932.0	1990.7	2064.2	2073.0	2061.2	2075.9	2026.0	1914.4	2413.6	2575.1
55°	1758.8	1846.9	2102.3	2228.6	2281.4	2249.1	2257.9	2222.7	2149.3	2622.0	2868.7
57.5°	2202.2	2249.1	2343.1	2375.4	2407.7	2393.0	2404.8	2393.0	2325.5	2777.7	3018.4
60°	2457.6	2457.6	2498.7	2445.9	2463.5	2513.4	2548.6	2548.6	2478.2	2892.2	3080.1
62.5°	2730.7	2707.2	2548.6	2466.4	2487.0	2598.5	2651.4	2645.5	2572.1	2909.8	3094.8
65°	2677.8	2636.7	2580.9	2401.8	2425.3	2580.9	2654.3	2651.4	2575.1	2845.2	3047.8
67.5°	2284.4	2322.5	2390.1	2375.4	2316.7	2495.8	2610.3	2616.2	2528.1	2736.5	2962.6
70°	1979.0	2002.5	2043.6	2166.9	2193.3	2378.3	2560.4	2586.8	2469.4	2610.3	2842.3
72.5°	1723.6	1738.2	1705.9	1832.2	1926.2	2169.9	2384.2	2434.1	2313.7	2393.0	2639.7
75°	1474.0	1441.7	1403.5	1459.3	1532.7	1791.1	2052.4	2152.2	2046.5	2096.5	2340.2
77.5°	1145.1	1098.1	1060.0	1074.7	1142.2	1365.3	1617.9	1776.4	1682.4	1679.5	1873.3
80°	781.0	739.9	713.5	707.6	757.5	895.5	1077.6	1265.5	1183.3	1104.0	1189.2
82.5°	487.4	487.4	463.9	428.7	425.8	452.2	487.4	534.4	505.0	493.3	519.7
85°	305.4	308.3	296.6	258.4	249.6	255.5	273.1	284.8	276.0	284.8	293.6
87.5°	214.3	211.4	196.7	190.9	187.9	196.7	211.4	217.3	217.3	226.1	226.1
90°	161.5	161.5	152.7	149.7	149.7	158.6	173.2	185.0	193.8	208.5	208.5
92.5°	135.1	135.1	129.2	126.3	126.3	129.2	140.9	155.6	164.4	179.1	173.2
95°	111.6	111.6	108.6	108.6	108.6	111.6	117.4	126.3	129.2	129.2	129.2
97.5°	88.1	85.2	82.2	82.2	82.2	85.2	88.1	96.9	99.8	91.0	91.0
100°	61.7	58.7	55.8	58.7	58.7	58.7	61.7	64.6	64.6	58.7	55.8
102.5°	38.2	38.2	38.2	38.2	35.2	35.2	35.2	35.2	32.3	29.4	29.4
105°	26.4	26.4	23.5	23.5	23.5	23.5	20.6	20.6	20.6	17.6	17.6
107.5°	20.6	20.6	20.6	20.6	20.6	17.6	17.6	17.6	17.6	14.7	14.7
110°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	14.7	14.7	11.7	11.7

REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	17.6	17.6	17.6	17.6	17.6	14.7	14.7	14.7	14.7	11.7	11.7
115°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	11.7	11.7
117.5°	14.7	14.7	14.7	14.7	14.7	14.7	11.7	11.7	11.7	14.7	11.7
120°	14.7	14.7	14.7	14.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	14.7	14.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
125°	11.7	11.7	11.7	11.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8
127.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
130°	8.8	8.8	8.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9	5.9
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: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4	1409.4
2.5°	1415.3	1421.1	1432.9	1447.6	1459.3	1468.1	1474.0	1479.8	1479.8	1474.0	1479.8
5°	1447.6	1453.4	1474.0	1488.7	1488.7	1479.8	1474.0	1471.0	1476.9	1479.8	1485.7
7.5°	1474.0	1479.8	1471.0	1476.9	1482.8	1474.0	1462.2	1453.4	1444.6	1435.8	1441.7
10°	1476.9	1462.2	1462.2	1456.4	1435.8	1438.7	1435.8	1421.1	1409.4	1412.3	1415.3
12.5°	1474.0	1468.1	1444.6	1432.9	1424.1	1394.7	1383.0	1391.8	1374.1	1383.0	1371.2
15°	1500.4	1471.0	1447.6	1418.2	1385.9	1371.2	1350.7	1321.3	1309.5	1312.5	1315.4
17.5°	1518.0	1488.7	1432.9	1380.0	1362.4	1315.4	1291.9	1277.3	1256.7	1259.6	1271.4
20°	1547.4	1503.3	1424.1	1368.3	1283.1	1250.8	1221.5	1203.8	1186.2	1159.8	1148.1
22.5°	1588.5	1532.7	1412.3	1309.5	1236.1	1180.4	1115.8	1071.7	1048.2	1030.6	1027.7
25°	1641.3	1576.7	1415.3	1283.1	1165.7	1083.5	1027.7	951.3	895.5	889.7	898.5
27.5°	1738.2	1626.7	1432.9	1242.0	1107.0	980.7	877.9	825.1	760.5	745.8	745.8
30°	1832.2	1705.9	1421.1	1206.8	1007.1	866.2	728.2	628.3	593.1	566.7	563.8
32.5°	2005.4	1817.5	1482.8	1153.9	916.1	695.9	543.2	434.6	411.1	402.3	399.3
35°	2164.0	1970.2	1488.7	1086.4	781.0	540.3	390.5	317.1	302.4	293.6	290.7
37.5°	2334.3	2117.0	1547.4	1030.6	648.9	381.7	281.9	226.1	208.5	196.7	190.9
40°	2137.6	1940.8	1521.0	936.7	481.5	243.7	176.2	123.3	105.7	105.7	105.7
42.5°	1673.6	1474.0	1151.0	757.5	281.9	140.9	88.1	85.2	88.1	91.0	91.0
45°	1482.8	1221.5	704.7	402.3	117.4	79.3	70.5	67.5	76.3	85.2	88.1
47.5°	1744.1	1453.4	543.2	281.9	126.3	79.3	64.6	64.6	61.7	55.8	55.8
50°	2357.8	1961.4	622.5	323.0	158.6	88.1	64.6	55.8	55.8	58.7	61.7
52.5°	2660.2	2184.5	734.1	419.9	232.0	120.4	70.5	55.8	49.9	41.1	41.1
55°	2921.5	2360.7	869.1	543.2	340.6	187.9	99.8	58.7	49.9	41.1	38.2
57.5°	3006.7	2381.3	1013.0	684.1	463.9	293.6	173.2	82.2	52.9	44.0	41.1
60°	3018.4	2404.8	1121.6	833.9	604.9	428.7	284.8	149.7	67.5	52.9	49.9
62.5°	3033.1	2410.6	1203.8	942.5	745.8	581.4	411.1	237.8	102.8	61.7	58.7
65°	2980.3	2340.2	1183.3	919.0	786.9	643.0	472.7	278.9	117.4	70.5	67.5
67.5°	2892.2	2278.5	1098.1	845.6	710.6	560.8	405.2	226.1	108.6	82.2	79.3
70°	2821.7	2216.8	1054.1	839.8	657.7	490.3	325.9	164.4	129.2	111.6	105.7
72.5°	2648.5	2070.0	1018.9	836.8	657.7	478.6	317.1	176.2	176.2	179.1	167.4
75°	2357.8	1849.8	966.0	813.3	643.0	475.7	305.4	190.9	190.9	170.3	161.5
77.5°	1946.7	1515.1	854.4	742.9	584.3	419.9	249.6	158.6	152.7	132.1	126.3
80°	1289.0	1086.4	681.2	613.7	481.5	337.7	185.0	123.3	114.5	96.9	91.0
82.5°	578.4	519.7	431.6	434.6	346.5	240.8	126.3	85.2	79.3	64.6	61.7
85°	317.1	299.5	234.9	205.5	176.2	126.3	73.4	55.8	47.0	35.2	35.2
87.5°	240.8	232.0	173.2	135.1	102.8	73.4	47.0	35.2	26.4	17.6	14.7
90°	220.2	208.5	140.9	108.6	82.2	58.7	38.2	23.5	17.6	11.7	8.8
92.5°	185.0	176.2	114.5	91.0	70.5	52.9	32.3	17.6	11.7	5.9	5.9
95°	135.1	132.1	85.2	70.5	55.8	44.0	26.4	14.7	8.8	5.9	2.9
97.5°	91.0	88.1	61.7	52.9	44.0	32.3	20.6	11.7	5.9	2.9	2.9
100°	55.8	55.8	38.2	35.2	29.4	23.5	14.7	8.8	5.9	2.9	2.9
102.5°	29.4	26.4	20.6	20.6	17.6	14.7	11.7	5.9	2.9	0.0	0.0
105°	17.6	14.7	14.7	11.7	11.7	8.8	8.8	5.9	2.9	0.0	0.0
107.5°	14.7	11.7	11.7	8.8	8.8	5.9	5.9	2.9	2.9	0.0	0.0
110°	11.7	11.7	8.8	8.8	5.9	5.9	5.9	2.9	0.0	0.0	0.0

REPORT NUMBER: P691807

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	8.8	8.8	5.9	5.9	5.9	2.9	2.9	0.0	0.0	0.0
115°	11.7	8.8	5.9	5.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0
117.5°	11.7	8.8	5.9	5.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0
120°	11.7	8.8	5.9	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
122.5°	11.7	8.8	5.9	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
125°	8.8	5.9	5.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
127.5°	8.8	5.9	5.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
130°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	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)