

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: P691867

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7146 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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



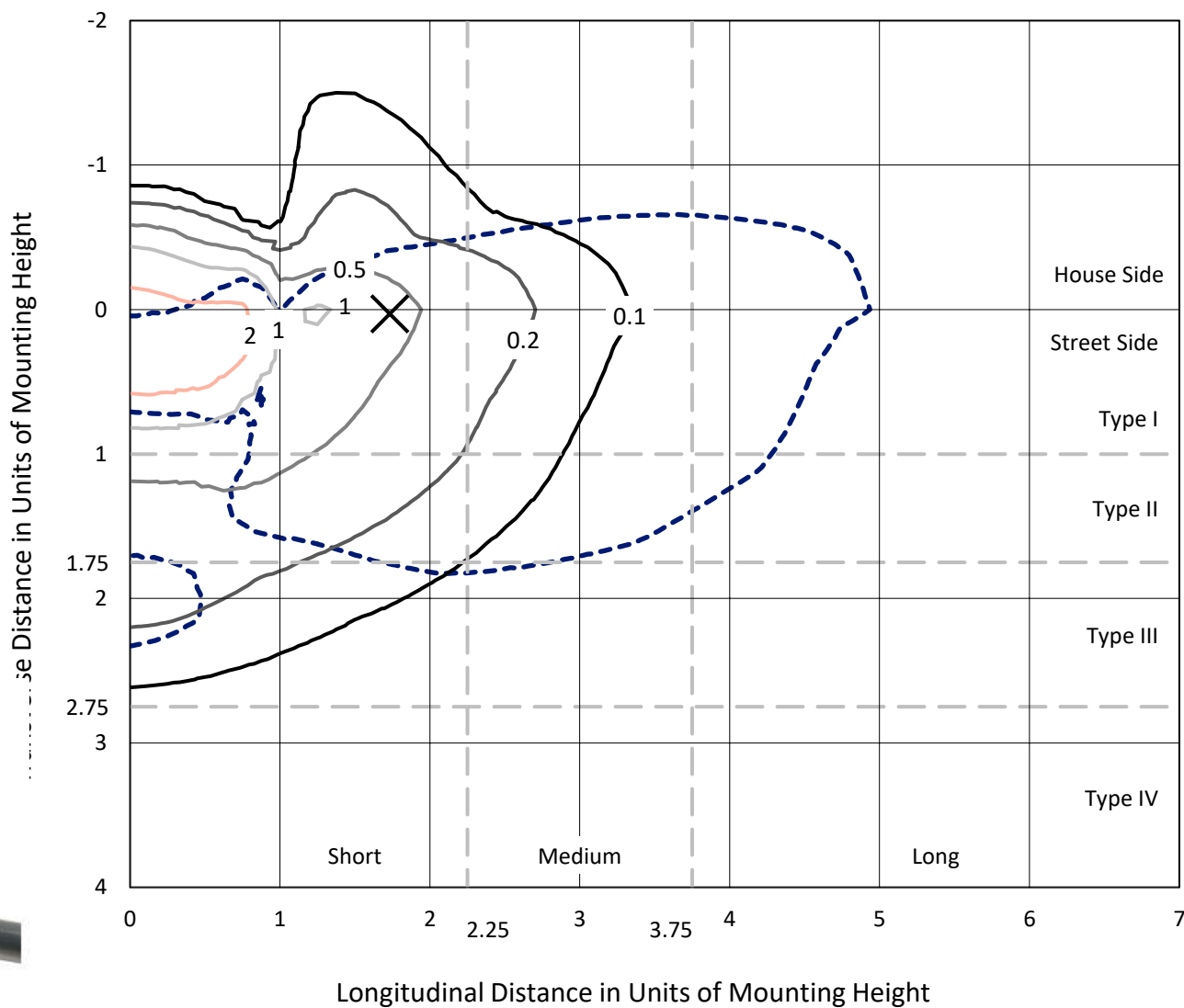
REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

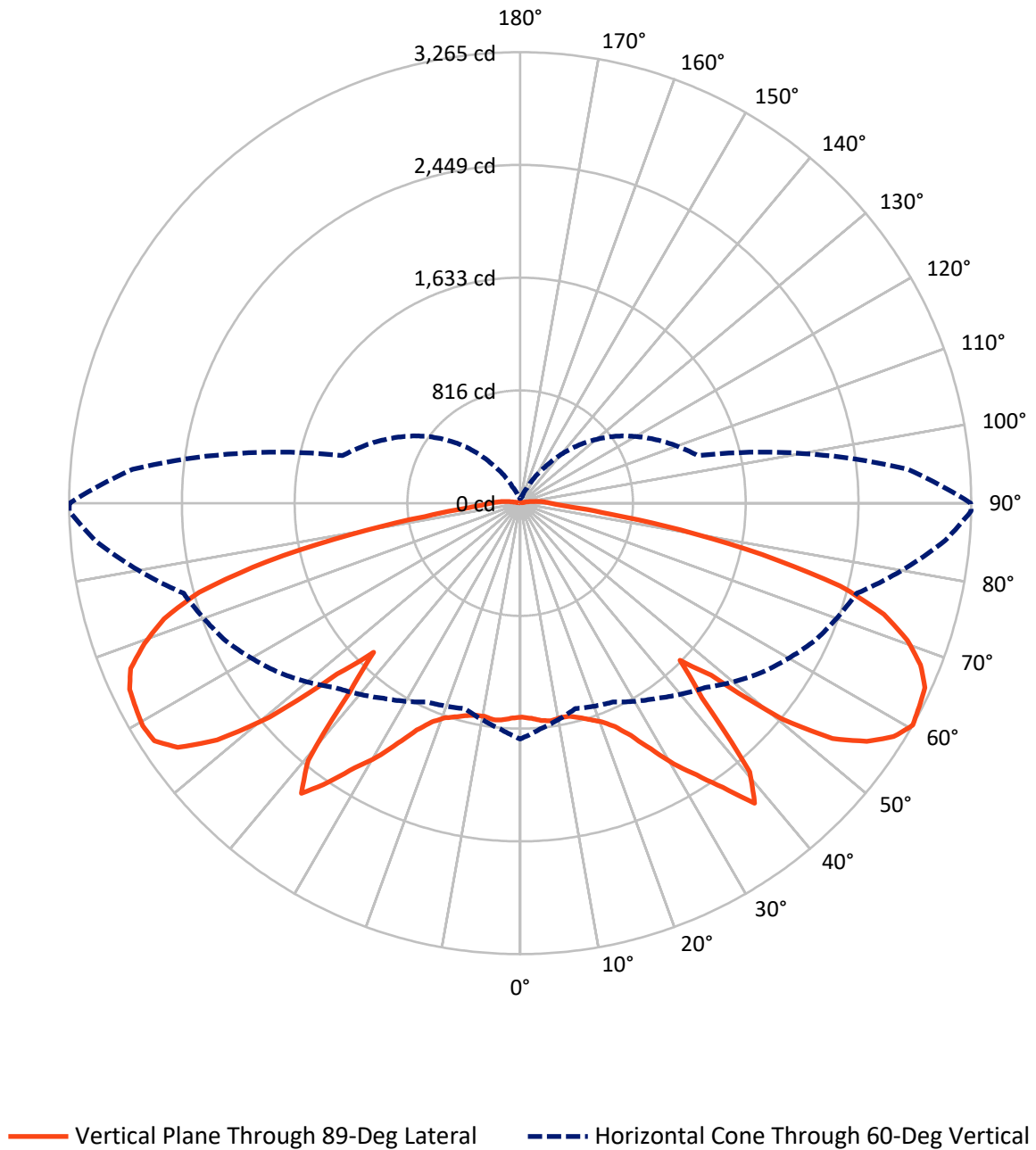


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

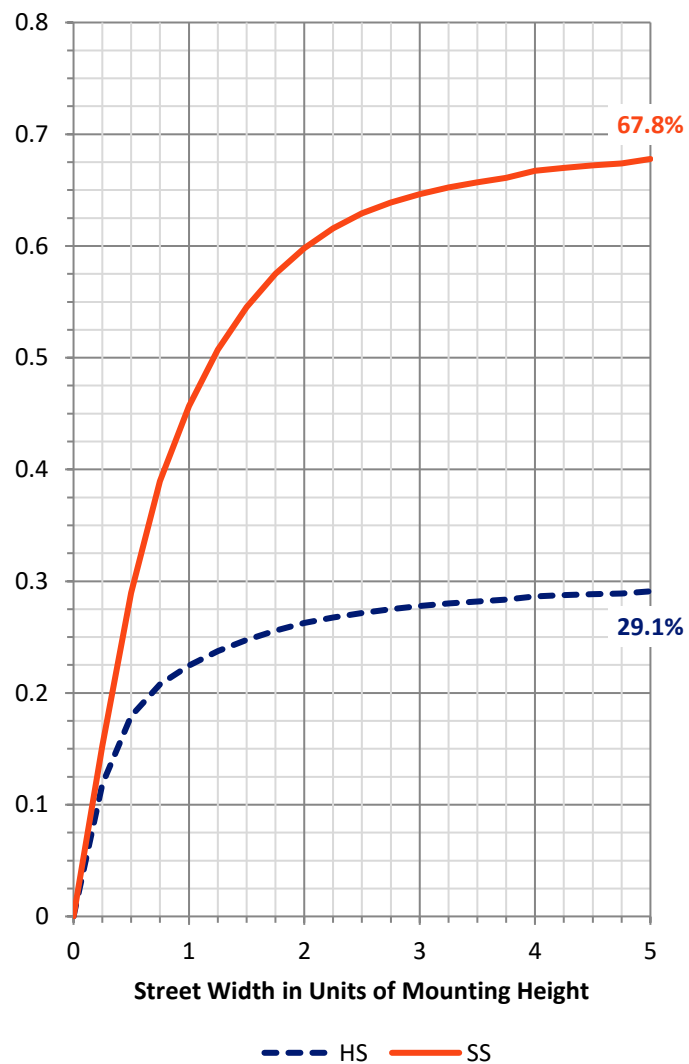
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2121.4	39.8	2161.2
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4908.0	76.8	4984.8
	% Fixture	68.7	1.1	69.8
Total	Lumens	7029.4	116.6	7146.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	2.1
10°-20°	439.5	6.2
20°-30°	725.5	10.2
30°-40°	984.1	13.8
40°-50°	819.7	11.5
50°-60°	1135.2	15.9
60°-70°	1399.2	19.6
70°-80°	1059.4	14.8
80°-90°	317.9	4.4
90°-100°	82.4	1.2
100°-110°	18.8	0.3
110°-120°	8.8	0.1
120°-130°	6.0	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°	7029.4	98.4
0°-180°	7146.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691867

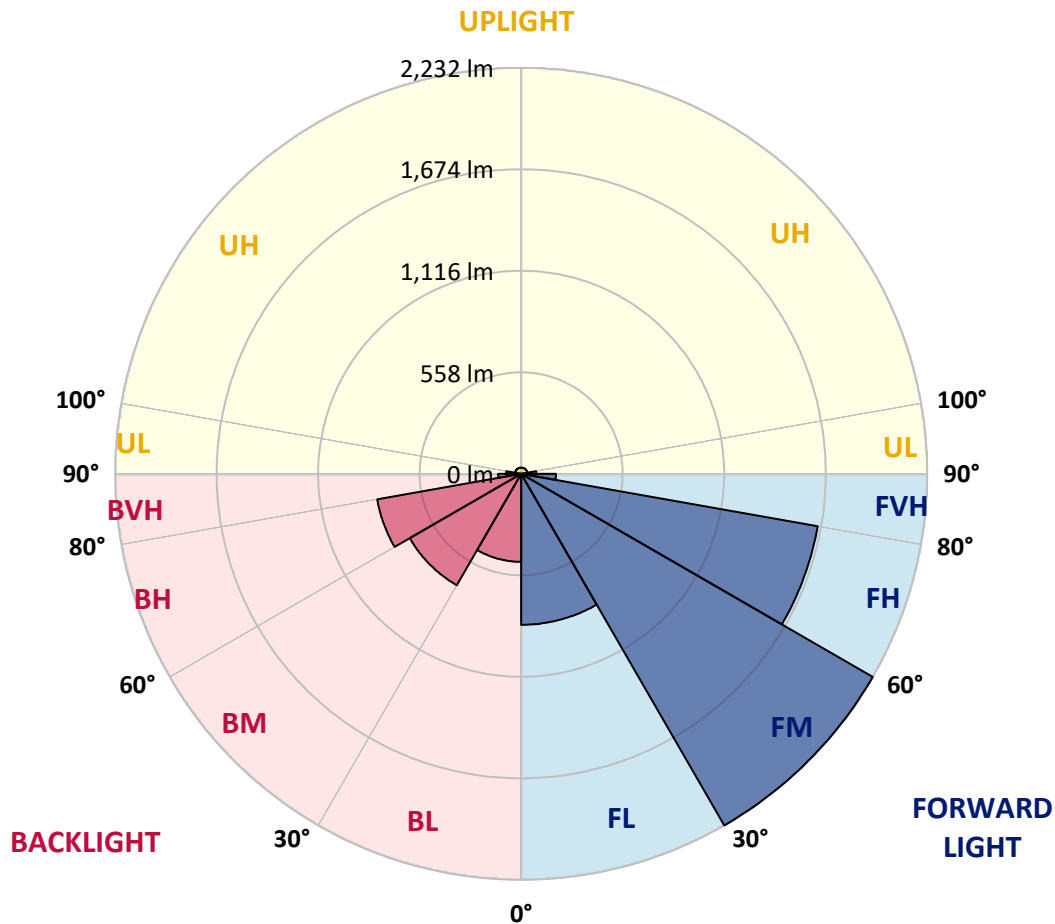
CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	830.0	11.6			
FM	(30°-60°)	2231.7	31.2			
FH	(60°-80°)	1655.0	23.2			G1/1800
FVH	(80°-90°)	191.2	2.7			G2/225
BL	(0°-30°)	483.9	6.8	B1/500		
BM	(30°-60°)	707.3	9.9	B1/1000		
BH	(60°-80°)	803.5	11.2	B2/1000		G2/1000
BVH	(80°-90°)	126.7	1.8			G2/225
UL	(90°-100°)	82.4	1.2		U3/500	
UH	(100°-180°)	34.2	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8
2.5°	1625.4	1616.9	1616.9	1616.9	1599.9	1599.9	1588.5	1582.9	1571.5	1563.0	1560.2
5°	1719.0	1713.3	1713.3	1710.5	1693.5	1682.1	1659.5	1639.6	1622.6	1594.2	1580.0
7.5°	1792.8	1784.3	1784.3	1781.4	1764.4	1750.2	1724.7	1679.3	1645.3	1614.1	1591.4
10°	1818.3	1815.5	1812.6	1804.1	1789.9	1778.6	1755.9	1713.3	1659.5	1608.4	1580.0
12.5°	1866.5	1866.5	1858.0	1846.7	1835.3	1824.0	1792.8	1758.7	1699.2	1619.7	1582.9
15°	1928.9	1923.3	1917.6	1911.9	1903.4	1886.4	1858.0	1815.5	1747.4	1650.9	1611.2
17.5°	1954.5	1951.6	1951.6	1954.5	1951.6	1940.3	1934.6	1886.4	1815.5	1693.5	1648.1
20°	1960.1	1963.0	1968.6	1988.5	1994.2	1988.5	1997.0	1968.6	1886.4	1750.2	1690.7
22.5°	1994.2	1999.9	2011.2	2031.1	2039.6	2048.1	2056.6	2079.3	1997.0	1838.2	1755.9
25°	1980.0	1985.7	2019.7	2050.9	2082.1	2107.6	2161.5	2212.6	2153.0	1968.6	1863.7
27.5°	1943.1	1954.5	2014.0	2076.4	2153.0	2221.1	2320.4	2382.8	2334.6	2133.2	2014.0
30°	1974.3	1974.3	2014.0	2104.8	2204.1	2357.3	2487.8	2558.7	2524.6	2292.0	2189.9
32.5°	1909.1	1926.1	2008.4	2144.5	2297.7	2493.4	2621.1	2745.9	2757.2	2504.8	2345.9
35°	1707.7	1736.0	1804.1	1985.7	2221.1	2561.5	2785.6	2953.0	3006.9	2760.1	2527.5
37.5°	1407.0	1426.8	1546.0	1727.5	2008.4	2334.6	2694.8	3074.9	3225.3	2924.6	2757.2
40°	1245.3	1259.5	1330.4	1480.7	1738.9	2053.7	2337.4	2703.3	2785.6	2669.3	2558.7
42.5°	1191.4	1214.1	1302.0	1441.0	1650.9	1872.2	1917.6	2053.7	2011.2	2025.4	1928.9
45°	1265.2	1273.7	1338.9	1460.9	1588.5	1648.1	1588.5	1682.1	1727.5	1719.0	1622.6
47.5°	1302.0	1316.2	1387.1	1543.1	1543.1	1546.0	1619.7	1676.5	1807.0	1928.9	1860.9
50°	1117.6	1137.5	1268.0	1392.8	1412.7	1648.1	1841.0	1951.6	2087.8	2414.0	2453.7
52.5°	1052.4	1066.6	1208.4	1458.0	1602.7	1843.8	1963.0	2065.1	2181.4	2720.4	2831.0
55°	1151.7	1177.2	1344.6	1602.7	1761.6	1906.2	2059.4	2206.9	2331.7	2961.5	3043.7
57.5°	1330.4	1378.6	1480.7	1625.4	1775.8	1906.2	2110.5	2292.0	2456.6	3055.1	3188.4
60°	1707.7	1642.4	1540.3	1588.5	1724.7	1889.2	2136.0	2354.4	2521.8	3089.1	3265.0
62.5°	1883.5	1835.3	1585.7	1520.5	1639.6	1829.7	2087.8	2354.4	2499.1	3023.9	3242.3
65°	1821.1	1781.4	1602.7	1441.0	1534.6	1747.4	2014.0	2320.4	2448.0	2941.6	3219.6
67.5°	1551.7	1511.9	1455.2	1395.6	1435.4	1665.1	1946.0	2258.0	2391.3	2873.5	3126.0
70°	1262.3	1239.6	1219.8	1265.2	1338.9	1540.3	1809.8	2119.0	2277.8	2709.0	2972.8
72.5°	1075.1	1060.9	1026.9	1072.3	1188.6	1372.9	1605.6	1914.8	2104.8	2431.0	2754.4
75°	913.4	904.9	893.6	916.2	990.0	1163.0	1347.4	1650.9	1880.7	2121.8	2394.1
77.5°	740.4	729.0	754.6	760.2	817.0	941.8	1060.9	1313.4	1568.7	1665.1	1787.1
80°	539.0	550.3	592.9	575.8	618.4	660.9	746.0	856.7	1058.1	1165.9	1174.4
82.5°	377.3	388.6	428.3	385.8	397.1	400.0	431.2	470.9	553.2	643.9	655.3
85°	266.6	272.3	280.8	249.6	249.6	249.6	269.5	292.2	334.7	371.6	380.1
87.5°	190.1	190.1	201.4	190.1	187.2	184.4	195.7	204.2	229.8	255.3	261.0
90°	141.8	141.8	147.5	141.8	141.8	141.8	153.2	161.7	184.4	207.1	209.9
92.5°	102.1	102.1	110.6	107.8	107.8	110.6	122.0	127.7	147.5	170.2	173.0
95°	79.4	79.4	85.1	82.3	82.3	87.9	96.4	102.1	116.3	127.7	130.5
97.5°	56.7	56.7	59.6	59.6	59.6	59.6	65.2	73.8	90.8	90.8	87.9
100°	39.7	39.7	42.6	39.7	39.7	42.6	42.6	48.2	56.7	53.9	53.9
102.5°	28.4	28.4	28.4	28.4	28.4	25.5	25.5	28.4	31.2	28.4	28.4
105°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	17.0
107.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	14.2	14.2
110°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.3

REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.2	14.2	14.2	14.2	14.2	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°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
120°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
122.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
125°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.3	11.3	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	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	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: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8	1548.8
2.5°	1557.3	1551.7	1534.6	1514.8	1497.8	1483.6	1469.4	1458.0	1455.2	1449.5	1455.2
5°	1577.2	1557.3	1517.6	1492.1	1469.4	1446.7	1424.0	1412.7	1404.2	1398.5	1398.5
7.5°	1585.7	1557.3	1511.9	1477.9	1429.7	1381.5	1353.1	1330.4	1321.9	1330.4	1330.4
10°	1571.5	1537.5	1483.6	1432.5	1367.3	1327.6	1287.8	1268.0	1256.6	1256.6	1248.1
12.5°	1577.2	1537.5	1458.0	1381.5	1327.6	1256.6	1208.4	1185.7	1168.7	1174.4	1174.4
15°	1599.9	1546.0	1435.4	1358.8	1265.2	1208.4	1148.9	1134.7	1131.8	1123.3	1117.6
17.5°	1633.9	1554.5	1429.7	1307.7	1211.3	1143.2	1086.4	1060.9	1046.7	1038.2	1035.4
20°	1670.8	1565.8	1412.7	1259.5	1154.5	1066.6	998.5	964.5	953.1	953.1	947.4
22.5°	1733.2	1605.6	1398.5	1236.8	1077.9	990.0	921.9	873.7	851.0	848.2	845.3
25°	1835.3	1682.1	1412.7	1185.7	1032.5	902.1	825.5	782.9	757.4	748.9	748.9
27.5°	1991.3	1787.1	1432.5	1157.4	938.9	819.8	734.7	669.5	632.6	635.4	638.3
30°	2158.7	1943.1	1489.3	1112.0	879.4	703.5	601.4	550.3	516.3	504.9	499.3
32.5°	2294.9	2104.8	1571.5	1075.1	768.7	561.7	473.7	436.8	400.0	368.8	357.4
35°	2504.8	2241.0	1642.4	1021.2	678.0	459.5	383.0	326.2	295.0	280.8	275.2
37.5°	2694.8	2374.3	1696.3	1009.9	550.3	394.3	303.5	244.0	212.8	209.9	209.9
40°	2465.1	2206.9	1656.6	919.1	434.0	306.4	218.4	173.0	150.3	139.0	139.0
42.5°	1886.4	1690.7	1262.3	765.9	312.0	207.1	139.0	130.5	127.7	116.3	116.3
45°	1580.0	1248.1	765.9	400.0	147.5	113.5	99.3	99.3	102.1	110.6	110.6
47.5°	1897.7	1475.1	564.5	286.5	144.7	99.3	87.9	79.4	73.8	70.9	70.9
50°	2456.6	2099.1	720.5	340.4	173.0	102.1	79.4	70.9	68.1	65.2	59.6
52.5°	2865.0	2459.4	950.3	519.1	278.0	130.5	79.4	59.6	45.4	39.7	36.9
55°	3111.8	2774.3	1120.5	746.0	451.0	218.4	99.3	53.9	39.7	34.0	31.2
57.5°	3245.1	2811.1	1262.3	950.3	663.8	388.6	173.0	65.2	39.7	31.2	31.2
60°	3262.2	2816.8	1330.4	1086.4	845.3	590.0	329.1	127.7	51.1	36.9	34.0
62.5°	3248.0	2768.6	1347.4	1140.3	956.0	754.6	519.1	252.5	79.4	42.6	39.7
65°	3222.5	2771.4	1270.8	1092.1	956.0	808.5	601.4	331.9	113.5	48.2	45.4
67.5°	3137.4	2762.9	1228.3	987.2	865.2	723.4	539.0	309.2	130.5	59.6	56.7
70°	2964.3	2660.8	1202.7	944.6	811.3	643.9	453.9	246.8	147.5	102.1	110.6
72.5°	2768.6	2476.4	1177.2	907.7	791.4	641.1	456.7	266.6	198.6	167.4	178.7
75°	2476.4	2155.9	1131.8	870.9	780.1	660.9	462.4	252.5	187.2	150.3	147.5
77.5°	1906.2	1792.8	1032.5	780.1	709.2	609.9	394.3	192.9	139.0	105.0	102.1
80°	1245.3	1231.1	805.6	629.7	598.5	539.0	329.1	150.3	110.6	85.1	79.4
82.5°	703.5	675.1	502.1	397.1	422.7	436.8	266.6	113.5	85.1	68.1	62.4
85°	400.0	405.6	292.2	215.6	218.4	258.1	173.0	79.4	53.9	39.7	36.9
87.5°	275.2	283.7	190.1	144.7	130.5	122.0	90.8	48.2	31.2	19.9	14.2
90°	224.1	224.1	141.8	105.0	90.8	79.4	51.1	28.4	22.7	11.3	8.5
92.5°	181.5	190.1	119.1	85.1	70.9	62.4	39.7	19.9	14.2	8.5	5.7
95°	136.2	144.7	96.4	70.9	56.7	48.2	34.0	17.0	11.3	5.7	5.7
97.5°	93.6	93.6	68.1	53.9	45.4	36.9	25.5	14.2	8.5	5.7	5.7
100°	53.9	56.7	39.7	34.0	31.2	28.4	17.0	11.3	5.7	2.8	2.8
102.5°	28.4	28.4	19.9	19.9	17.0	17.0	14.2	8.5	5.7	2.8	2.8
105°	17.0	17.0	14.2	14.2	11.3	11.3	8.5	5.7	2.8	0.0	2.8
107.5°	14.2	14.2	11.3	11.3	8.5	8.5	5.7	5.7	2.8	0.0	0.0
110°	11.3	11.3	8.5	8.5	8.5	5.7	5.7	2.8	2.8	0.0	0.0

REPORT NUMBER: P691867

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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