

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: P691748

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8790.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - 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

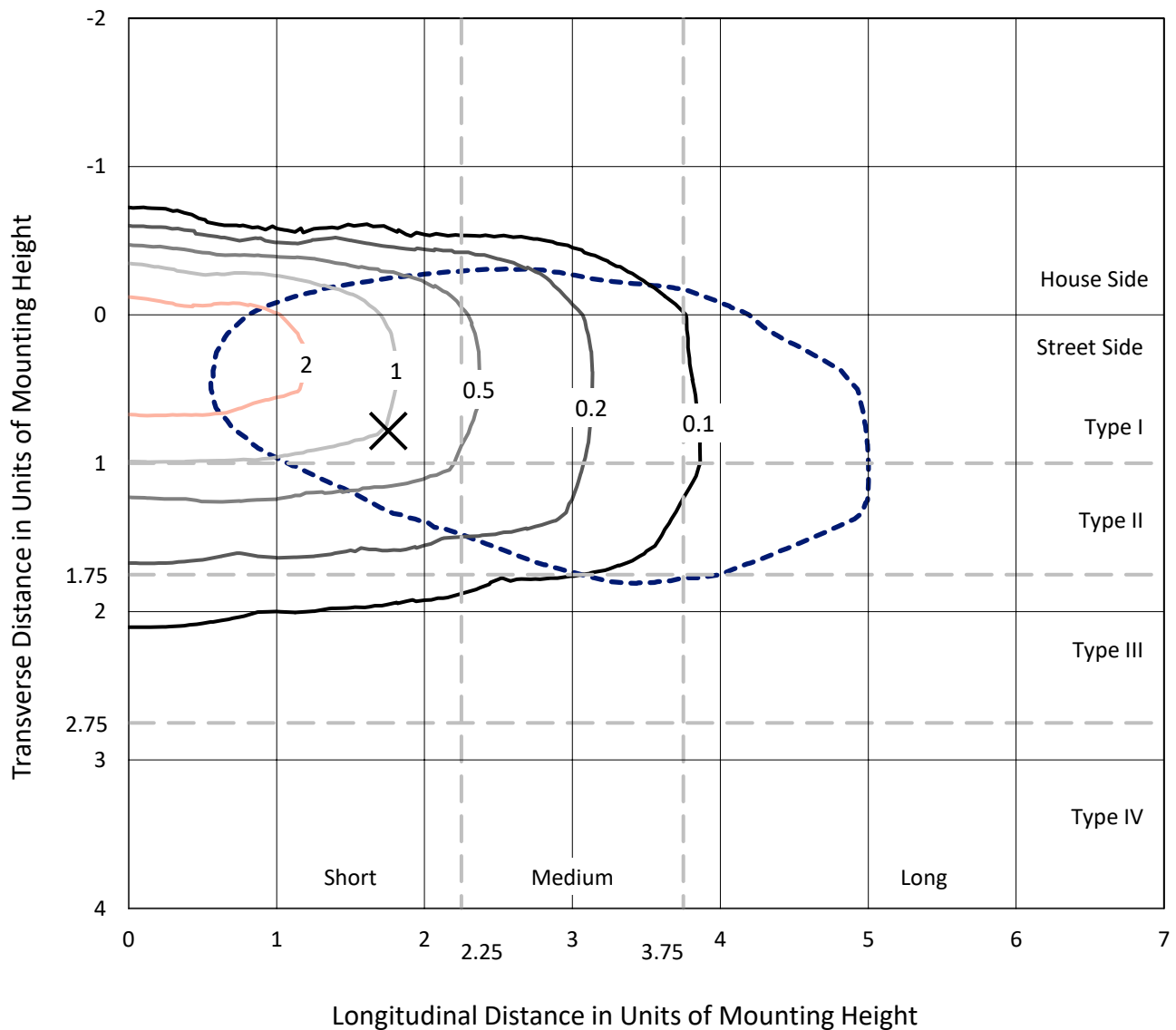


REPORT NUMBER: P691748

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

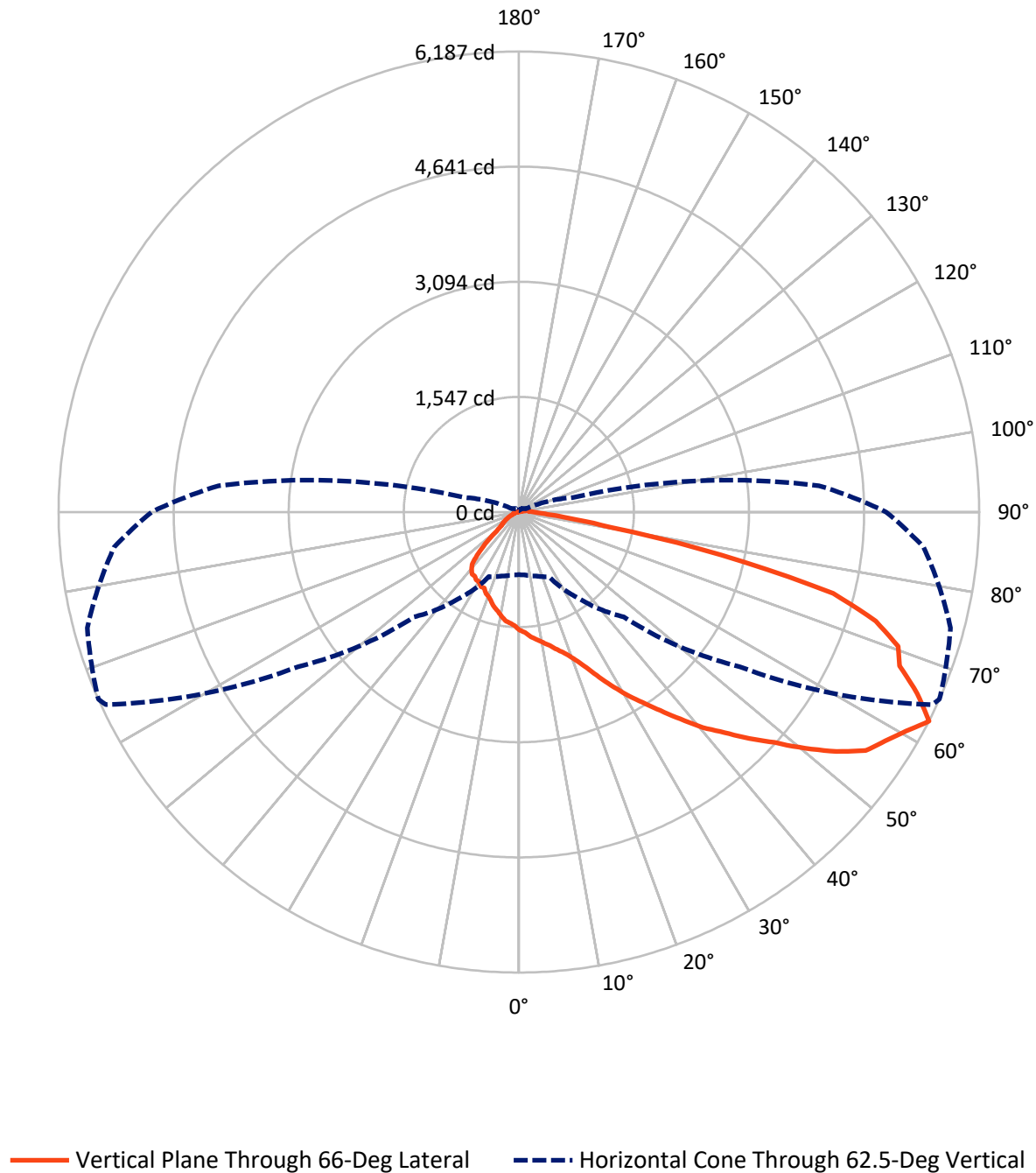
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

REPORT NUMBER: P691748
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2

Luminous Intensity Polar Plot



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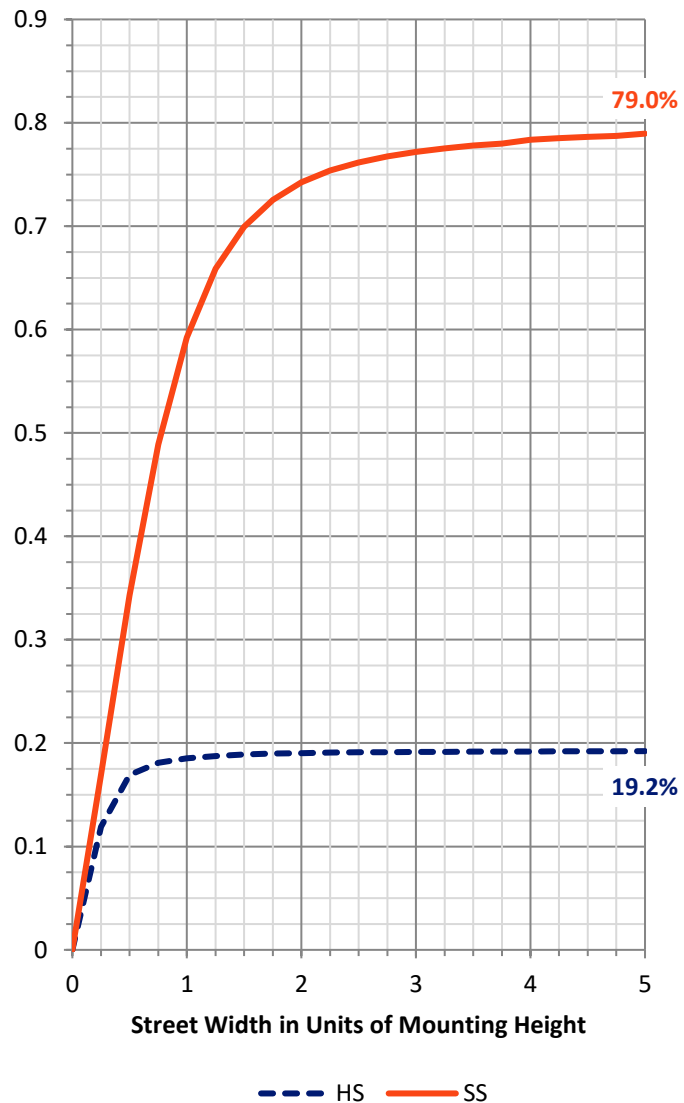
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1714.0	24.1	1738.1
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6985.8	67.0	7052.8
	% Fixture	79.5	0.8	80.2
Total	Lumens	8699.8	91.1	8790.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	1.7
10°-20°	442.3	5.0
20°-30°	744.3	8.5
30°-40°	1106.8	12.6
40°-50°	1464.4	16.7
50°-60°	1705.1	19.4
60°-70°	1702.2	19.4
70°-80°	1142.3	13.0
80°-90°	241.4	2.7
90°-100°	73.5	0.8
100°-110°	12.8	0.1
110°-120°	0.9	0.0
120°-130°	1.1	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8699.8	99.0
0°-180°	8790.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691748

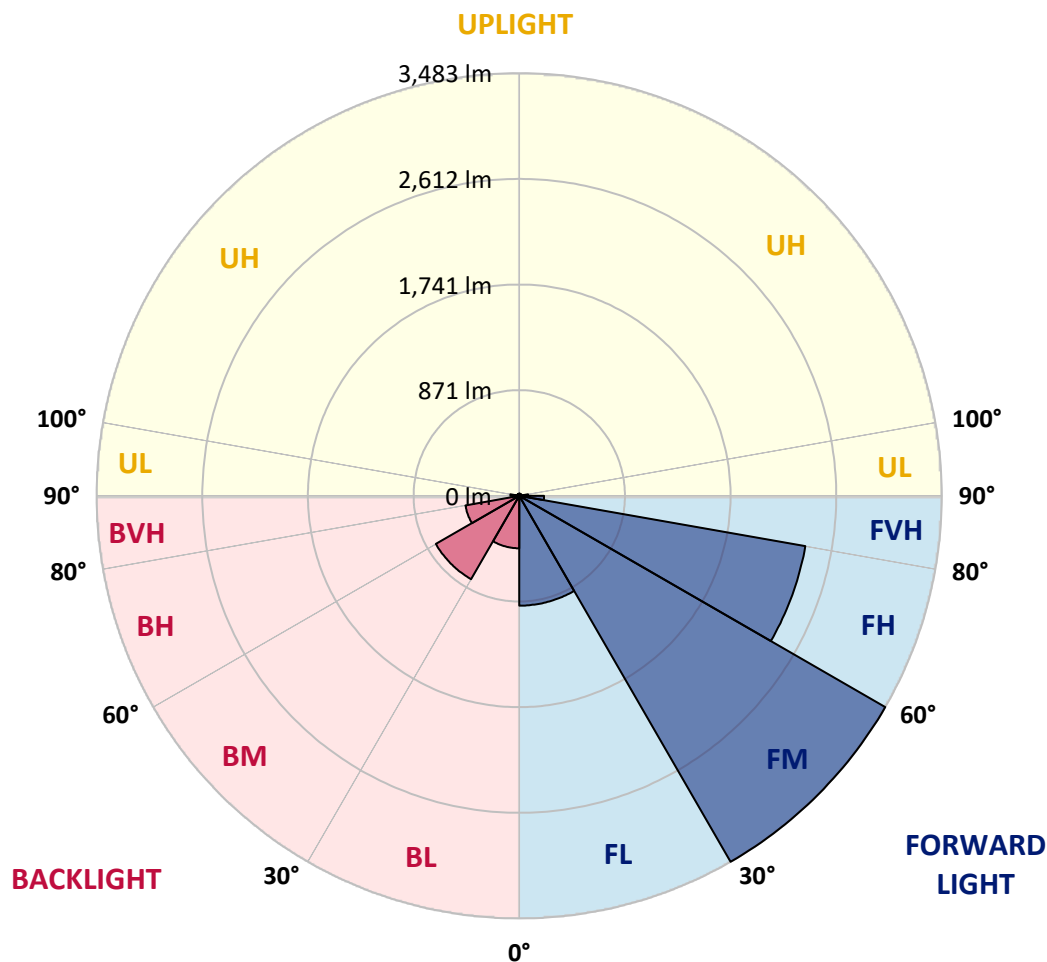
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	905.0	10.3			
FM	(30°-60°)	3482.7	39.6			
FH	(60°-80°)	2393.8	27.2			G2/5000
FVH	(80°-90°)	204.2	2.3			G2/225
BL	(0°-30°)	432.4	4.9	B1/500		
BM	(30°-60°)	793.7	9.0	B1/1000		
BH	(60°-80°)	450.7	5.1	B1/500		G1/500
BVH	(80°-90°)	37.1	0.4			G1/100
UL	(90°-100°)	73.5	0.8		U3/500	
UH	(100°-180°)	17.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



REPORT NUMBER: P691748

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3
2.5°	1695.4	1685.7	1689.0	1672.7	1656.5	1646.7	1637.0	1620.7	1620.7	1607.8	1591.5
5°	1815.6	1818.9	1815.6	1796.1	1776.6	1747.4	1711.7	1682.5	1682.5	1653.2	1614.2
7.5°	1896.8	1893.6	1893.6	1870.8	1857.8	1841.6	1799.4	1734.4	1731.2	1692.2	1643.5
10°	1929.3	1932.6	1945.5	1913.1	1900.1	1877.3	1854.6	1789.6	1783.1	1718.2	1640.2
12.5°	2000.8	2004.0	1997.5	1971.5	1955.3	1939.0	1903.3	1848.1	1841.6	1770.2	1663.0
15°	2085.2	2085.2	2075.5	2049.5	2039.7	2017.0	1974.8	1922.8	1916.3	1835.1	1705.2
17.5°	2130.7	2137.2	2137.2	2101.4	2104.7	2095.0	2072.2	2004.0	1994.3	1919.6	1763.7
20°	2153.4	2156.7	2163.2	2163.2	2159.9	2156.7	2169.7	2107.9	2101.4	2013.8	1831.9
22.5°	2218.4	2224.9	2241.1	2231.4	2241.1	2254.1	2257.3	2254.1	2244.4	2150.2	1945.5
25°	2247.6	2267.1	2289.8	2319.1	2348.3	2367.8	2413.3	2436.0	2429.5	2338.5	2124.2
27.5°	2215.1	2234.6	2315.8	2371.0	2462.0	2517.2	2601.6	2637.4	2634.1	2559.4	2309.3
30°	2270.3	2276.8	2312.6	2390.5	2507.4	2660.1	2777.0	2832.2	2845.2	2777.0	2504.2
32.5°	2189.1	2211.9	2312.6	2458.7	2634.1	2796.5	2910.2	3033.6	3049.9	3020.6	2760.8
35°	2182.6	2198.9	2254.1	2413.3	2637.4	2939.4	3095.3	3264.2	3277.2	3287.0	3020.6
37.5°	2091.7	2114.4	2224.9	2426.2	2734.8	3033.6	3251.2	3494.8	3527.3	3566.3	3238.2
40°	1991.0	2007.3	2101.4	2315.8	2712.1	3144.0	3400.6	3774.2	3806.6	3855.4	3527.3
42.5°	1841.6	1877.3	2036.5	2267.1	2699.1	3176.5	3550.0	4021.0	4050.2	4118.4	3770.9
45°	1708.4	1724.7	1848.1	2101.4	2595.1	3235.0	3676.7	4310.1	4339.3	4371.8	3962.5
47.5°	1604.5	1624.0	1740.9	1968.3	2491.2	3222.0	3793.6	4595.9	4628.4	4703.1	4199.6
50°	1273.2	1321.9	1617.5	1838.4	2319.1	3196.0	3894.3	4914.2	4988.9	5018.1	4446.5
52.5°	1094.6	1110.8	1263.5	1721.4	2150.2	3101.8	3982.0	5261.7	5346.2	5291.0	4777.8
55°	1019.9	1029.6	1104.3	1490.8	1997.5	2910.2	4053.5	5596.3	5658.0	5482.6	5021.4
57.5°	964.7	980.9	1013.4	1208.3	1818.9	2588.6	4056.7	5781.4	5804.1	5641.7	5138.3
60°	893.2	899.7	967.9	1052.3	1617.5	2254.1	3946.3	5875.6	5976.3	5826.9	5375.4
62.5°	841.2	847.7	889.9	958.2	1425.9	1991.0	3621.5	6125.7	6187.4	6005.5	5463.1
65°	776.3	786.0	821.7	889.9	1292.7	1831.9	3459.1	6060.7	5882.1	5963.3	5563.8
67.5°	708.1	714.6	753.5	805.5	1101.1	1679.2	3056.4	5648.2	5518.3	5752.2	5294.2
70°	636.6	643.1	678.8	714.6	906.2	1490.8	2546.4	5297.5	5407.9	5420.9	5040.9
72.5°	561.9	568.4	600.9	630.1	750.3	1253.7	2023.5	4946.7	5014.9	4816.8	4453.0
75°	487.2	490.4	516.4	545.7	623.6	1010.1	1448.6	4102.2	4362.0	4602.4	3842.4
77.5°	393.0	399.5	425.5	435.2	500.2	815.2	938.7	2439.2	2780.3	4027.5	3449.4
80°	289.1	292.3	318.3	315.1	373.5	594.4	591.1	1159.5	1247.2	2488.0	2533.4
82.5°	191.6	198.1	220.9	214.4	253.3	360.5	370.3	623.6	665.8	964.7	1110.8
85°	152.7	155.9	168.9	155.9	168.9	181.9	204.6	376.8	383.3	571.6	568.4
87.5°	123.4	126.7	139.7	129.9	133.2	139.7	162.4	240.4	246.8	360.5	373.5
90°	97.4	100.7	116.9	107.2	107.2	116.9	136.4	178.6	188.4	282.6	305.3
92.5°	65.0	65.0	74.7	71.5	71.5	84.4	120.2	133.2	142.9	263.1	276.1
95°	48.7	48.7	52.0	52.0	52.0	61.7	90.9	126.7	139.7	256.6	250.1
97.5°	32.5	32.5	35.7	35.7	35.7	39.0	52.0	103.9	116.9	207.9	204.6
100°	22.7	22.7	22.7	19.5	19.5	19.5	29.2	68.2	78.0	133.2	133.2
102.5°	16.2	13.0	13.0	13.0	9.7	9.7	13.0	32.5	35.7	71.5	68.2
105°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	13.0	13.0	29.2	29.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691748

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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: P691748

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3	1588.3
2.5°	1581.8	1572.0	1549.3	1529.8	1513.6	1497.3	1471.3	1461.6	1455.1	1464.8	1464.8
5°	1591.5	1565.5	1526.6	1494.1	1464.8	1429.1	1390.1	1367.4	1347.9	1357.7	1357.7
7.5°	1607.8	1572.0	1523.3	1468.1	1393.4	1331.7	1283.0	1253.7	1237.5	1247.2	1253.7
10°	1598.0	1559.0	1494.1	1409.6	1321.9	1257.0	1195.3	1149.8	1133.5	1127.1	1133.5
12.5°	1607.8	1562.3	1451.8	1351.2	1266.7	1162.8	1088.1	1039.4	1019.9	1019.9	1019.9
15°	1640.2	1572.0	1425.9	1308.9	1179.0	1078.3	1000.4	948.4	941.9	919.2	919.2
17.5°	1685.7	1581.8	1416.1	1244.0	1101.1	997.1	906.2	854.2	838.0	841.2	841.2
20°	1731.2	1601.3	1396.6	1188.8	1029.6	906.2	812.0	763.3	724.3	711.3	717.8
22.5°	1809.1	1656.5	1380.4	1159.5	948.4	831.5	727.5	646.3	581.4	561.9	552.2
25°	1922.8	1744.2	1403.1	1091.3	899.7	747.0	623.6	509.9	432.0	412.5	409.2
27.5°	2130.7	1880.6	1429.1	1091.3	821.7	672.3	496.9	376.8	315.1	295.6	302.1
30°	2325.6	2065.7	1503.8	1032.9	789.3	539.2	370.3	282.6	227.4	204.6	211.1
32.5°	2488.0	2241.1	1607.8	1019.9	695.1	399.5	269.6	198.1	159.2	146.2	149.4
35°	2721.8	2390.5	1689.0	974.4	571.6	292.3	188.4	139.7	123.4	116.9	116.9
37.5°	2945.9	2572.4	1770.2	964.7	422.2	214.4	126.7	113.7	110.4	100.7	100.7
40°	3160.3	2757.5	1805.9	909.4	298.8	139.7	107.2	103.9	100.7	90.9	90.9
42.5°	3423.4	2936.2	1838.4	838.0	207.9	103.9	94.2	97.4	94.2	84.4	81.2
45°	3624.8	3056.4	1848.1	656.1	133.2	97.4	87.7	90.9	87.7	78.0	78.0
47.5°	3793.6	3218.8	1809.1	448.2	110.4	90.9	81.2	84.4	81.2	74.7	71.5
50°	3965.8	3368.2	1773.4	240.4	103.9	87.7	78.0	71.5	74.7	68.2	65.0
52.5°	4199.6	3478.6	1679.2	146.2	97.4	81.2	71.5	65.0	65.0	58.5	61.7
55°	4521.2	3751.4	1503.8	136.4	94.2	78.0	68.2	58.5	58.5	52.0	52.0
57.5°	4664.1	3858.6	1221.2	123.4	90.9	78.0	61.7	52.0	45.5	42.2	39.0
60°	4839.5	4017.8	961.4	113.7	84.4	74.7	55.2	45.5	35.7	32.5	32.5
62.5°	4936.9	4050.2	750.3	103.9	81.2	65.0	48.7	35.7	29.2	22.7	22.7
65°	4985.7	4027.5	500.2	94.2	74.7	61.7	42.2	29.2	19.5	16.2	16.2
67.5°	4800.5	3907.3	289.1	87.7	71.5	55.2	35.7	22.7	16.2	13.0	9.7
70°	4485.5	3556.5	181.9	78.0	68.2	48.7	32.5	19.5	13.0	9.7	6.5
72.5°	4115.2	2903.7	133.2	71.5	65.0	42.2	26.0	16.2	9.7	6.5	6.5
75°	3757.9	2530.2	113.7	61.7	55.2	35.7	22.7	13.0	9.7	6.5	3.2
77.5°	2689.3	1724.7	100.7	55.2	48.7	29.2	16.2	13.0	6.5	3.2	3.2
80°	1909.8	1013.4	90.9	45.5	39.0	22.7	16.2	9.7	6.5	3.2	3.2
82.5°	915.9	526.2	87.7	39.0	29.2	19.5	13.0	9.7	6.5	3.2	3.2
85°	415.7	224.1	65.0	35.7	26.0	19.5	13.0	9.7	6.5	6.5	3.2
87.5°	253.3	116.9	52.0	29.2	19.5	16.2	9.7	6.5	6.5	6.5	6.5
90°	237.1	152.7	39.0	22.7	16.2	13.0	9.7	3.2	0.0	0.0	0.0
92.5°	227.4	175.4	29.2	16.2	9.7	9.7	3.2	0.0	0.0	0.0	0.0
95°	214.4	165.6	32.5	9.7	16.2	6.5	3.2	0.0	0.0	0.0	0.0
97.5°	168.9	129.9	35.7	9.7	81.2	6.5	3.2	0.0	0.0	0.0	0.0
100°	107.2	81.2	26.0	9.7	97.4	6.5	0.0	0.0	0.0	0.0	0.0
102.5°	61.7	45.5	13.0	9.7	29.2	3.2	0.0	0.0	0.0	0.0	0.0
105°	26.0	22.7	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691748

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.2	3.2	3.2	3.2	3.2	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)