

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: P691780

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9076.9 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
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

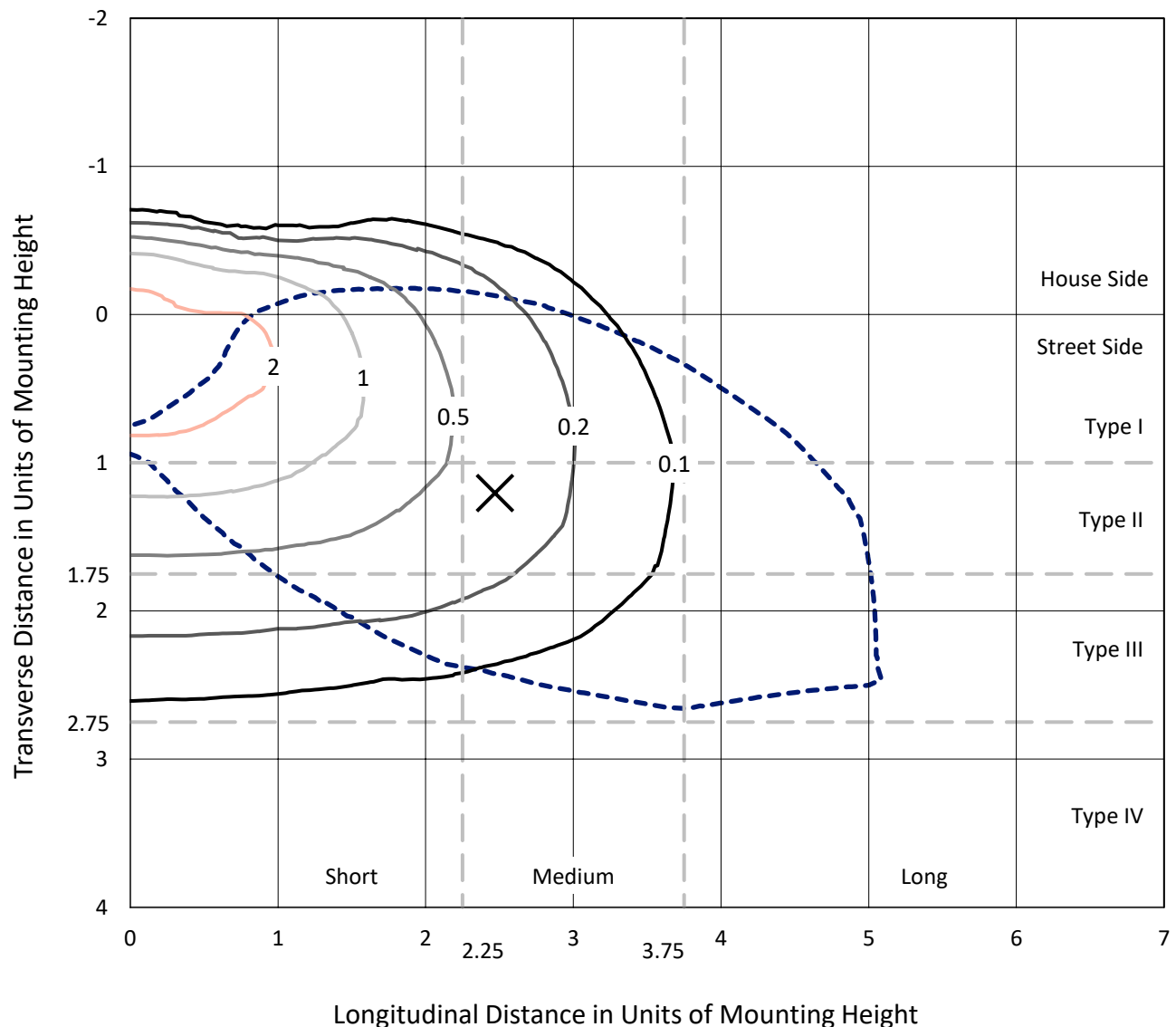


REPORT NUMBER: P691780

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

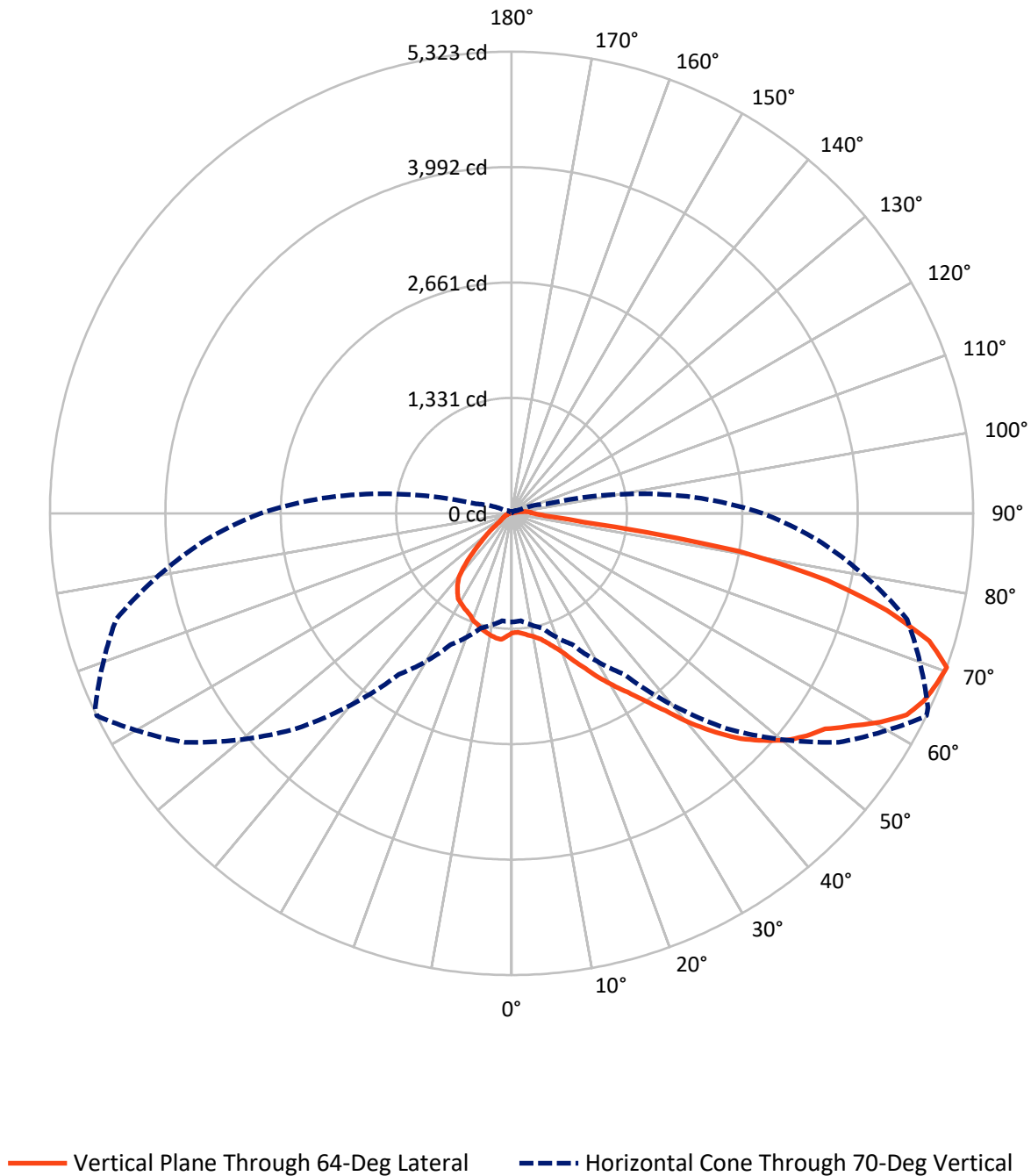
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P691780
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2

Luminous Intensity Polar Plot



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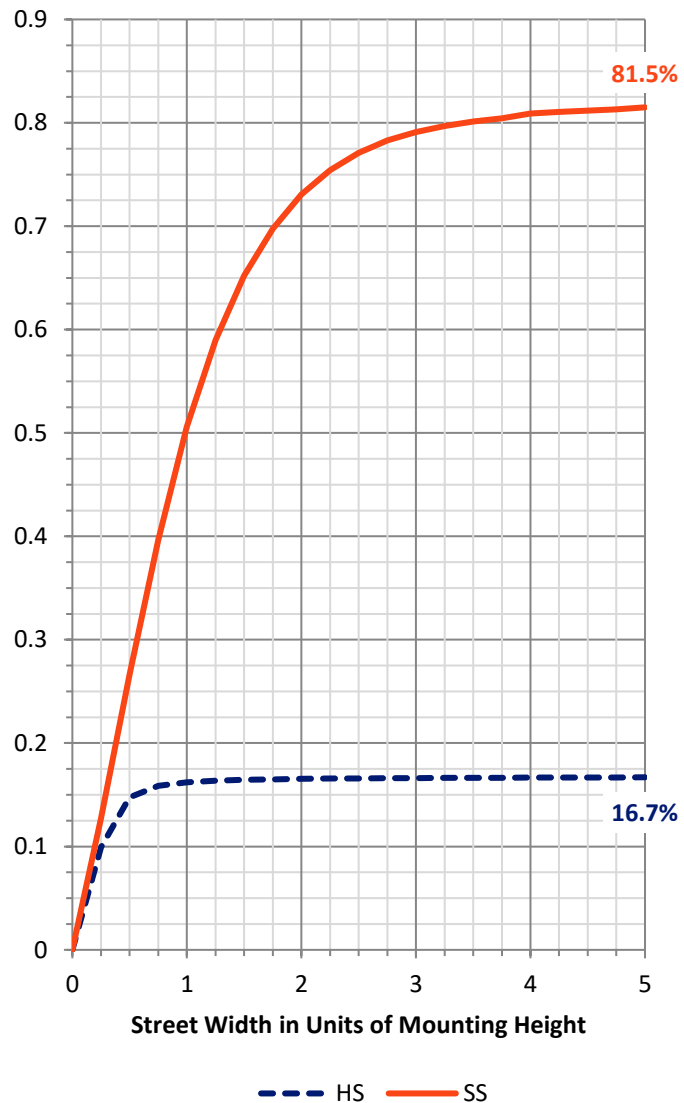
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.4	18.7	1558.1
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7442.3	76.5	7518.8
	% Fixture	82.0	0.8	82.8
Total	Lumens	8981.7	95.2	9076.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.5
10°-20°	418.3	4.6
20°-30°	723.2	8.0
30°-40°	1073.1	11.8
40°-50°	1474.1	16.2
50°-60°	1790.1	19.7
60°-70°	1901.9	21.0
70°-80°	1256.5	13.8
80°-90°	208.1	2.3
90°-100°	77.5	0.9
100°-110°	13.1	0.1
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8981.7	99.0
0°-180°	9076.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691780

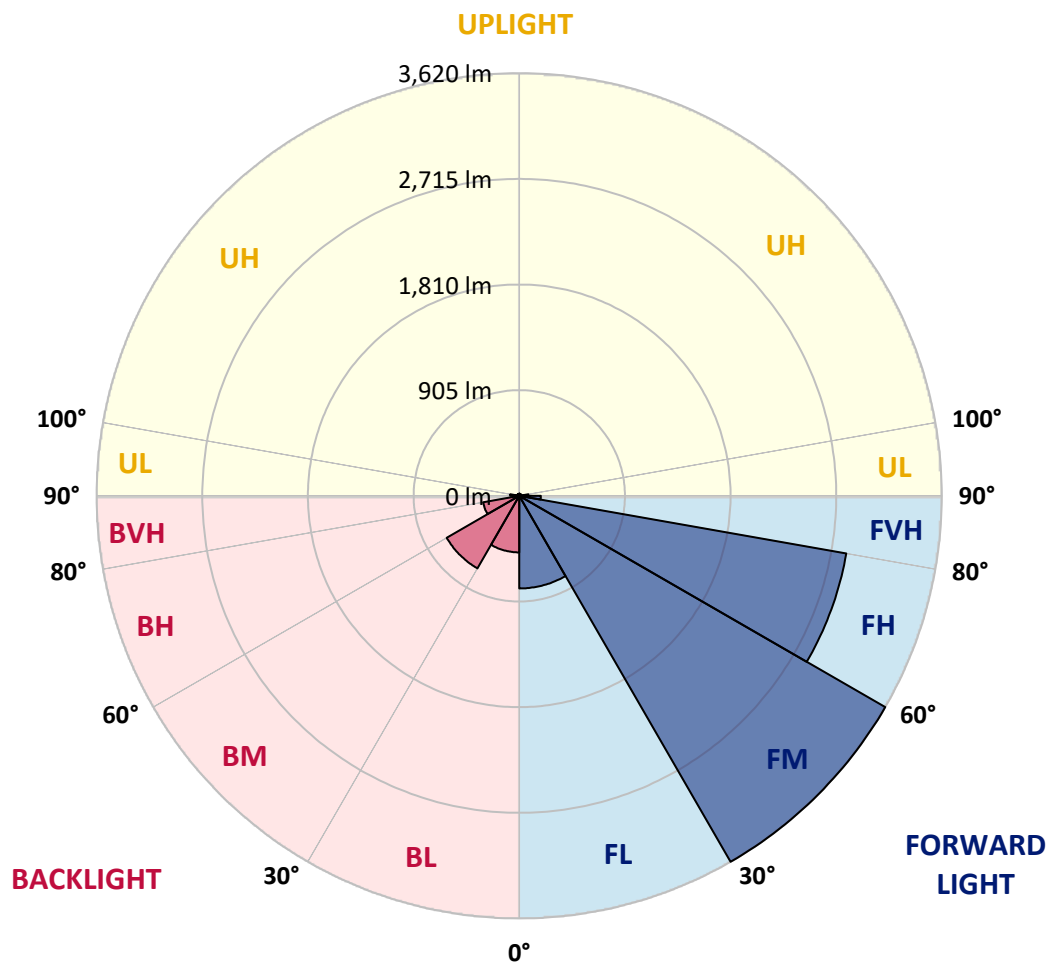
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	793.4	8.7			
FM	(30°-60°)	3619.8	39.9			
FH	(60°-80°)	2844.5	31.3			G2/5000
FVH	(80°-90°)	184.7	2.0			G2/225
BL	(0°-30°)	484.6	5.3	B1/500		
BM	(30°-60°)	717.6	7.9	B1/1000		
BH	(60°-80°)	313.9	3.5	B1/500		G1/500
BVH	(80°-90°)	23.4	0.3			G1/100
UL	(90°-100°)	77.5	0.9		U3/500	
UH	(100°-180°)	17.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





REPORT NUMBER: P691780

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1386.7	1383.4	1386.7	1383.4	1380.2	1376.9	1373.7	1373.7	1370.4	1373.7	1376.9
5°	1448.4	1451.6	1445.1	1432.1	1415.9	1402.9	1396.4	1393.2	1393.2	1396.4	1409.4
7.5°	1493.8	1490.6	1487.3	1484.1	1471.1	1441.9	1425.6	1419.2	1419.2	1412.7	1435.4
10°	1575.0	1568.5	1552.3	1532.8	1519.8	1487.3	1458.1	1448.4	1445.1	1448.4	1467.9
12.5°	1662.7	1656.2	1653.0	1633.5	1588.0	1558.8	1510.1	1487.3	1487.3	1487.3	1497.1
15°	1789.4	1779.6	1747.1	1724.4	1685.4	1636.7	1581.5	1549.1	1549.1	1555.5	1529.6
17.5°	1880.3	1873.8	1870.6	1831.6	1799.1	1724.4	1682.2	1627.0	1627.0	1640.0	1584.8
20°	1974.5	1968.0	1971.2	1964.7	1916.0	1857.6	1782.9	1717.9	1717.9	1721.2	1643.2
22.5°	2101.1	2091.4	2091.4	2088.1	2062.2	1994.0	1906.3	1851.1	1841.3	1815.3	1717.9
25°	2227.8	2224.5	2218.0	2221.3	2214.8	2136.8	2042.7	1981.0	1981.0	1945.2	1818.6
27.5°	2354.4	2354.4	2351.2	2354.4	2351.2	2302.5	2208.3	2143.3	2146.6	2101.1	1929.0
30°	2445.4	2442.1	2464.8	2474.6	2481.1	2461.6	2370.7	2299.2	2305.7	2260.3	2058.9
32.5°	2529.8	2526.5	2565.5	2588.2	2594.7	2591.5	2516.8	2458.3	2474.6	2432.4	2214.8
35°	2607.7	2604.5	2656.4	2714.9	2740.9	2734.4	2685.7	2653.2	2669.4	2666.2	2425.9
37.5°	2666.2	2675.9	2744.1	2825.3	2870.8	2874.0	2851.3	2887.0	2906.5	2971.4	2688.9
40°	2734.4	2734.4	2799.3	2887.0	2968.2	3000.7	3020.2	3182.5	3202.0	3215.0	2864.3
42.5°	2662.9	2682.4	2822.1	2952.0	3055.9	3130.6	3237.7	3448.8	3491.0	3393.6	3078.6
45°	2607.7	2624.0	2766.9	2984.4	3133.8	3273.5	3474.8	3708.6	3741.1	3572.2	3192.3
47.5°	2549.3	2575.3	2721.4	2961.7	3208.5	3448.8	3672.9	3913.2	3942.4	3724.9	3351.4
50°	2481.1	2510.3	2666.2	2929.2	3247.5	3614.5	3851.5	4111.3	4114.6	3858.0	3439.1
52.5°	2416.1	2435.6	2598.0	2887.0	3280.0	3741.1	4020.4	4260.7	4241.2	4026.9	3533.3
55°	2305.7	2344.7	2516.8	2828.6	3296.2	3812.5	4137.3	4387.4	4400.3	4208.7	3659.9
57.5°	2205.0	2231.0	2412.9	2744.1	3283.2	3854.8	4251.0	4624.4	4650.4	4371.1	3750.8
60°	2078.4	2094.6	2270.0	2627.2	3198.8	3926.2	4504.3	4887.5	4916.7	4527.0	3786.6
62.5°	1919.3	1919.3	2094.6	2471.3	3091.6	3978.2	4679.6	5114.8	5114.8	4650.4	3799.6
65°	1714.7	1724.4	1880.3	2260.3	2913.0	3948.9	4731.6	5222.0	5231.7	4738.1	3793.1
67.5°	1516.6	1513.3	1649.7	1984.2	2643.5	3796.3	4692.6	5277.2	5316.1	4790.0	3708.6
70°	1253.5	1243.8	1370.4	1672.5	2266.7	3507.3	4601.7	5322.6	5296.6	4721.8	3543.0
72.5°	964.5	954.8	1048.9	1279.5	1786.1	3010.4	4335.4	5036.9	4991.4	4351.6	3202.0
75°	685.2	672.2	746.9	899.6	1175.6	2201.8	3718.4	4468.5	4416.6	3913.2	2672.7
77.5°	389.7	376.7	444.9	568.3	711.2	1247.0	2815.6	3724.9	3796.3	3228.0	2042.7
80°	172.1	165.6	194.8	272.8	399.4	594.3	1532.8	2662.9	2565.5	2201.8	1162.6
82.5°	146.1	146.1	149.4	155.9	162.4	272.8	574.8	837.9	802.1	646.2	370.2
85°	126.7	123.4	129.9	136.4	139.6	178.6	334.5	402.7	396.2	357.2	256.6
87.5°	103.9	97.4	107.2	113.7	113.7	146.1	250.1	295.5	295.5	298.8	227.3
90°	90.9	90.9	84.4	84.4	87.7	103.9	191.6	243.6	250.1	308.5	263.0
92.5°	77.9	77.9	77.9	77.9	64.9	74.7	136.4	217.6	233.8	302.0	237.1
95°	74.7	71.4	74.7	68.2	64.9	68.2	103.9	191.6	211.1	266.3	207.8
97.5°	52.0	48.7	55.2	55.2	58.5	61.7	87.7	142.9	149.4	198.1	155.9
100°	35.7	32.5	32.5	32.5	42.2	42.2	71.4	87.7	90.9	126.7	103.9
102.5°	19.5	16.2	16.2	16.2	22.7	26.0	35.7	48.7	48.7	68.2	58.5
105°	6.5	6.5	9.7	9.7	9.7	13.0	13.0	16.2	16.2	19.5	26.0
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	3.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9	1376.9
2.5°	1380.2	1386.7	1402.9	1412.7	1425.6	1438.6	1448.4	1448.4	1458.1	1451.6	1448.4
5°	1422.4	1425.6	1445.1	1458.1	1454.9	1441.9	1432.1	1425.6	1428.9	1435.4	1435.4
7.5°	1451.6	1464.6	1448.4	1448.4	1445.1	1428.9	1409.4	1389.9	1380.2	1376.9	1376.9
10°	1467.9	1454.9	1448.4	1432.1	1396.4	1386.7	1370.4	1334.7	1325.0	1325.0	1312.0
12.5°	1477.6	1471.1	1435.4	1406.2	1373.7	1321.7	1286.0	1279.5	1250.3	1247.0	1250.3
15°	1516.6	1484.1	1438.6	1383.4	1321.7	1276.3	1227.5	1175.6	1152.9	1156.1	1159.4
17.5°	1542.6	1513.3	1432.1	1344.5	1289.3	1204.8	1149.6	1120.4	1084.7	1084.7	1084.7
20°	1584.8	1536.1	1422.4	1328.2	1198.3	1136.6	1071.7	1039.2	1003.5	941.8	935.3
22.5°	1640.0	1578.3	1419.2	1279.5	1162.6	1061.9	967.8	867.1	815.1	779.4	769.7
25°	1708.2	1636.7	1441.9	1256.8	1094.4	971.0	850.8	714.4	617.0	597.5	597.5
27.5°	1825.1	1711.4	1471.1	1234.0	1055.4	870.3	682.0	561.8	477.4	451.4	448.2
30°	1938.7	1805.6	1480.9	1211.3	980.7	733.9	526.1	399.4	324.7	292.3	285.8
32.5°	2117.4	1935.5	1565.3	1191.8	896.3	591.0	373.5	253.3	191.6	172.1	168.9
35°	2299.2	2110.9	1594.5	1139.9	743.7	431.9	214.3	136.4	103.9	87.7	84.4
37.5°	2533.0	2331.7	1682.2	1084.7	591.0	246.8	120.2	74.7	64.9	64.9	64.9
40°	2669.4	2429.1	1760.1	1013.2	405.9	126.7	71.4	58.5	58.5	55.2	55.2
42.5°	2844.8	2549.3	1828.3	873.6	214.3	77.9	61.7	55.2	48.7	48.7	48.7
45°	2945.5	2627.2	1805.6	701.5	100.7	71.4	58.5	48.7	45.5	45.5	45.5
47.5°	3068.9	2724.6	1756.9	519.6	87.7	64.9	55.2	45.5	42.2	45.5	45.5
50°	3192.3	2822.1	1633.5	399.4	81.2	61.7	48.7	39.0	39.0	42.2	42.2
52.5°	3254.0	2890.3	1487.3	276.0	81.2	58.5	45.5	39.0	35.7	35.7	35.7
55°	3325.4	2906.5	1363.9	181.9	77.9	55.2	42.2	32.5	32.5	29.2	29.2
57.5°	3364.4	2864.3	1273.0	152.6	74.7	52.0	39.0	29.2	26.0	22.7	22.7
60°	3348.2	2802.6	1195.1	133.1	68.2	48.7	35.7	26.0	19.5	16.2	16.2
62.5°	3315.7	2750.6	1052.2	116.9	64.9	42.2	29.2	22.7	16.2	13.0	13.0
65°	3280.0	2611.0	886.6	100.7	58.5	39.0	26.0	19.5	13.0	9.7	9.7
67.5°	3114.3	2425.9	649.5	90.9	55.2	35.7	22.7	16.2	13.0	9.7	9.7
70°	2896.8	2117.4	418.9	77.9	48.7	32.5	22.7	13.0	9.7	6.5	6.5
72.5°	2464.8	1727.7	211.1	68.2	45.5	32.5	19.5	13.0	9.7	6.5	3.2
75°	2013.4	1289.3	136.4	58.5	42.2	32.5	19.5	13.0	6.5	3.2	3.2
77.5°	1441.9	698.2	103.9	52.0	35.7	32.5	16.2	9.7	6.5	6.5	3.2
80°	600.8	253.3	84.4	42.2	32.5	29.2	16.2	9.7	6.5	6.5	3.2
82.5°	253.3	175.4	74.7	35.7	29.2	29.2	13.0	9.7	6.5	6.5	6.5
85°	198.1	146.1	64.9	32.5	26.0	32.5	13.0	9.7	9.7	9.7	9.7
87.5°	185.1	149.4	58.5	29.2	26.0	22.7	13.0	9.7	16.2	16.2	19.5
90°	207.8	155.9	45.5	26.0	22.7	19.5	9.7	6.5	6.5	0.0	0.0
92.5°	191.6	142.9	32.5	19.5	29.2	13.0	6.5	0.0	0.0	0.0	0.0
95°	165.6	120.2	19.5	13.0	32.5	16.2	3.2	0.0	0.0	0.0	0.0
97.5°	123.4	87.7	13.0	6.5	26.0	19.5	3.2	0.0	0.0	0.0	0.0
100°	87.7	55.2	9.7	6.5	16.2	19.5	3.2	0.0	0.0	0.0	0.0
102.5°	48.7	29.2	6.5	3.2	6.5	6.5	0.0	0.0	0.0	0.0	0.0
105°	22.7	9.7	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	3.2	3.2	3.2	3.2	0.0	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: P691780

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-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	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	0.0	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	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	3.2	3.2	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)