

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: P690860

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690860
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-C01-5TLD-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: 7821.1 lumens
Efficiency: N/A
Efficacy: 130.4 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): 60
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

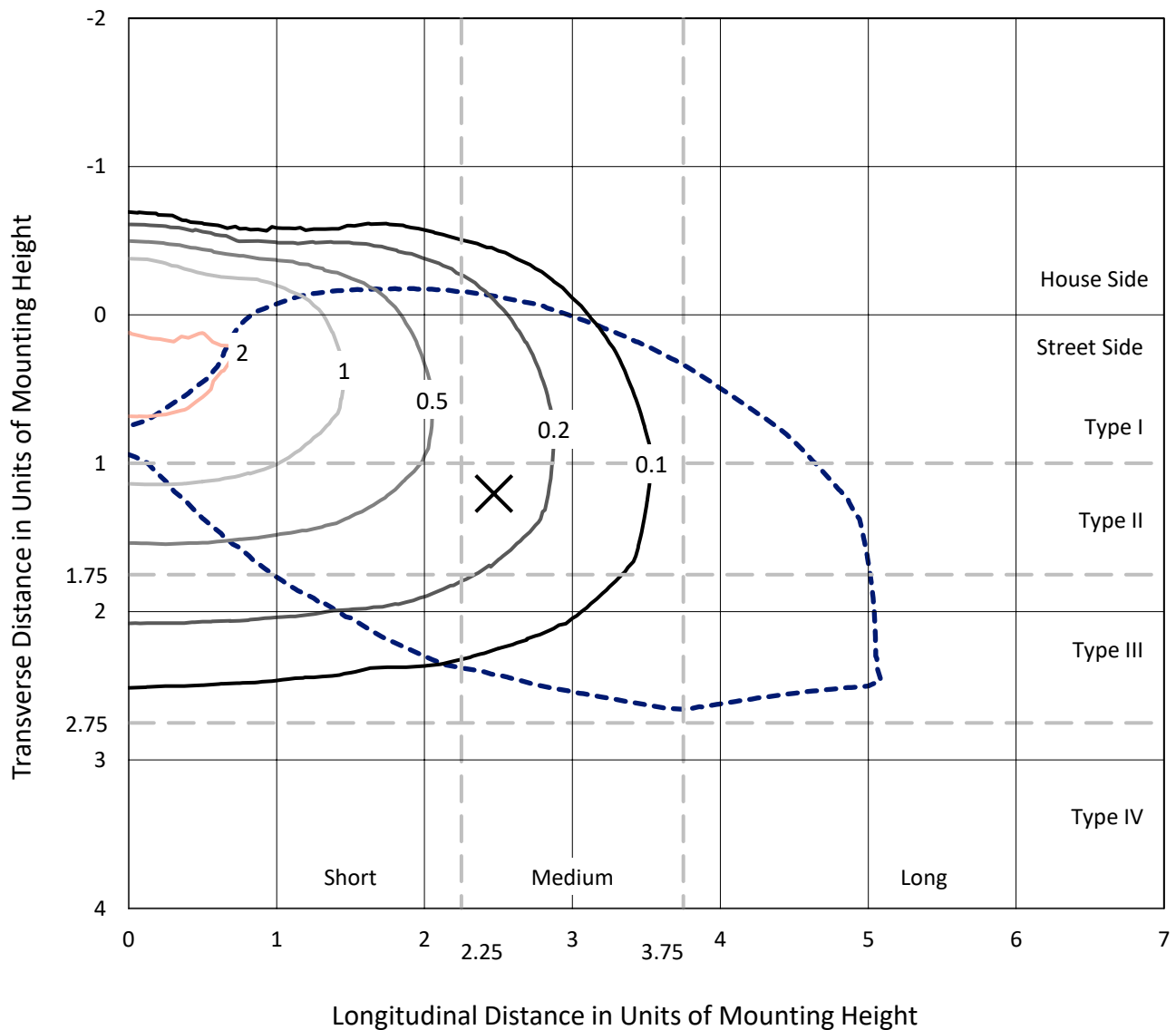


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Iso-Footcandle Lines of Horizontal Illumination

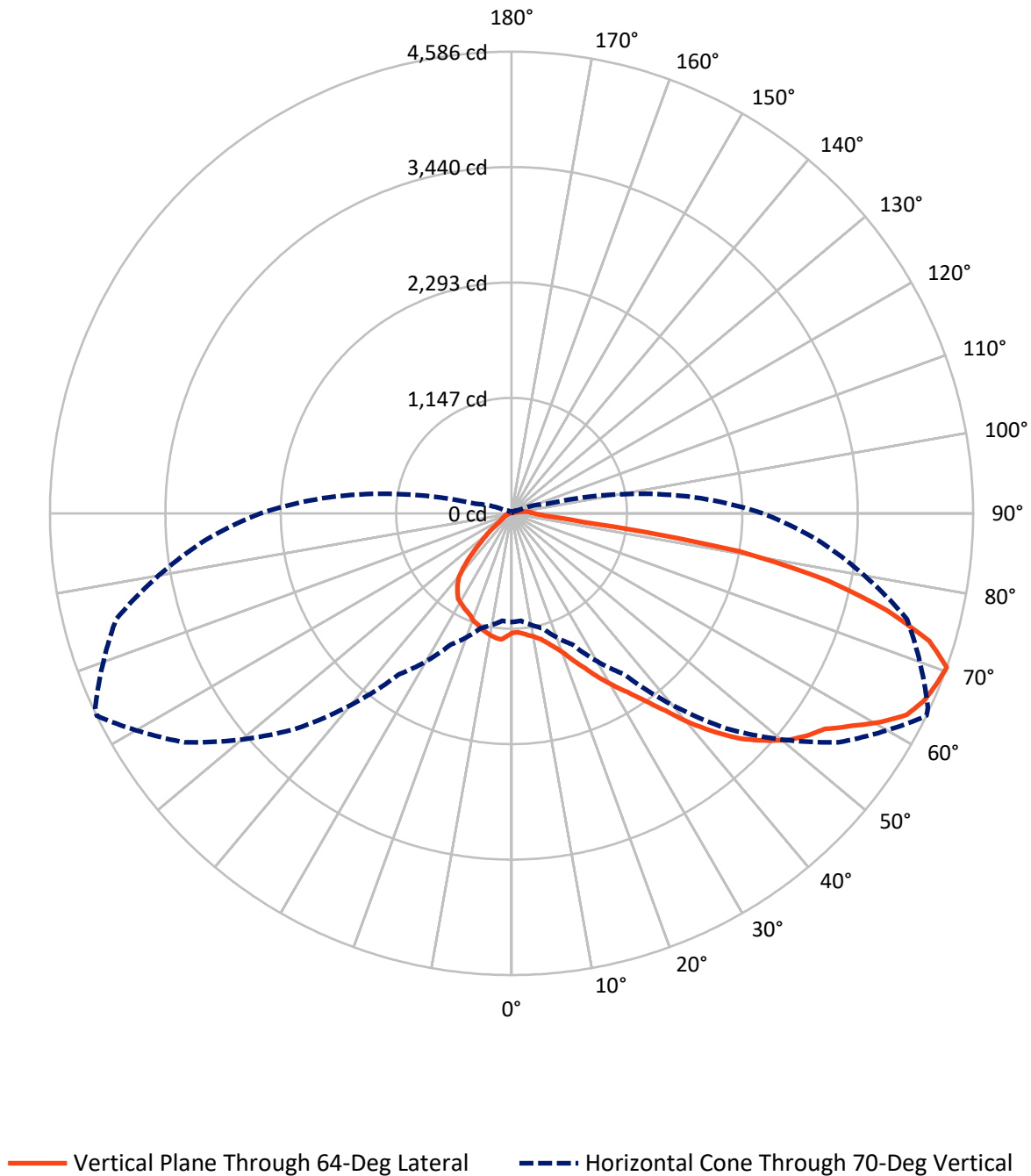
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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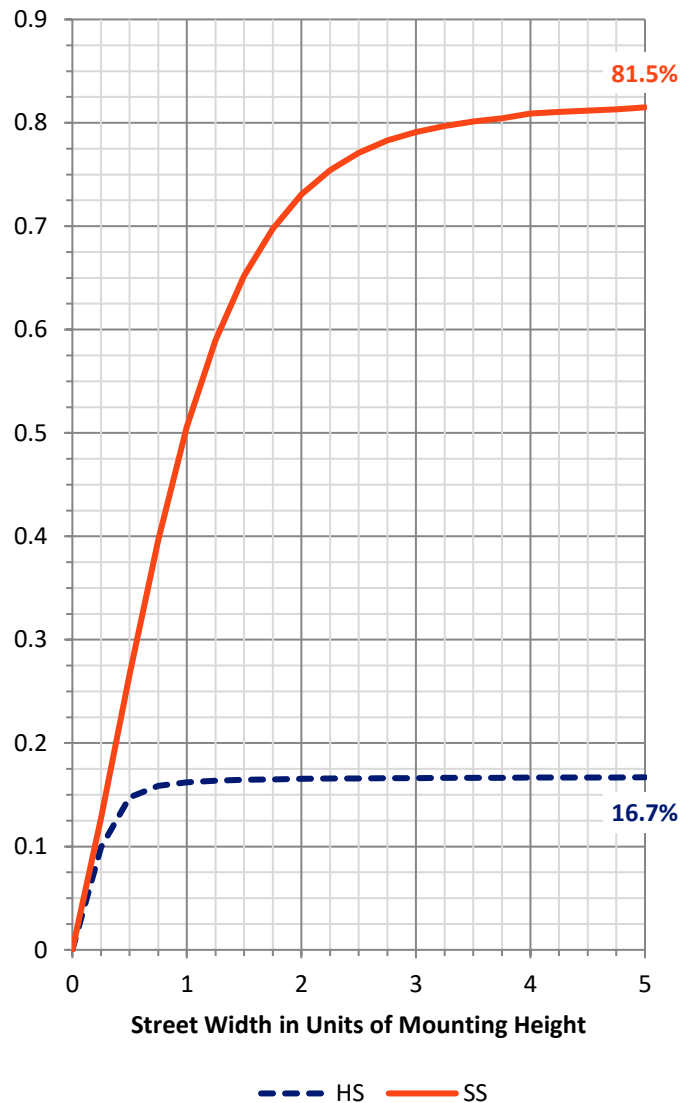
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1326.4	16.1	1342.6
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6412.5	66.0	6478.5
	% Fixture	82.0	0.8	82.8
Total	Lumens	7739.0	82.1	7821.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	1.5
10°-20°	360.5	4.6
20°-30°	623.1	8.0
30°-40°	924.6	11.8
40°-50°	1270.1	16.2
50°-60°	1542.4	19.7
60°-70°	1638.7	21.0
70°-80°	1082.6	13.8
80°-90°	179.3	2.3
90°-100°	66.8	0.9
100°-110°	11.3	0.1
110°-120°	0.8	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7739.0	99.0
0°-180°	7821.1	100.0

Coefficient of Utilization



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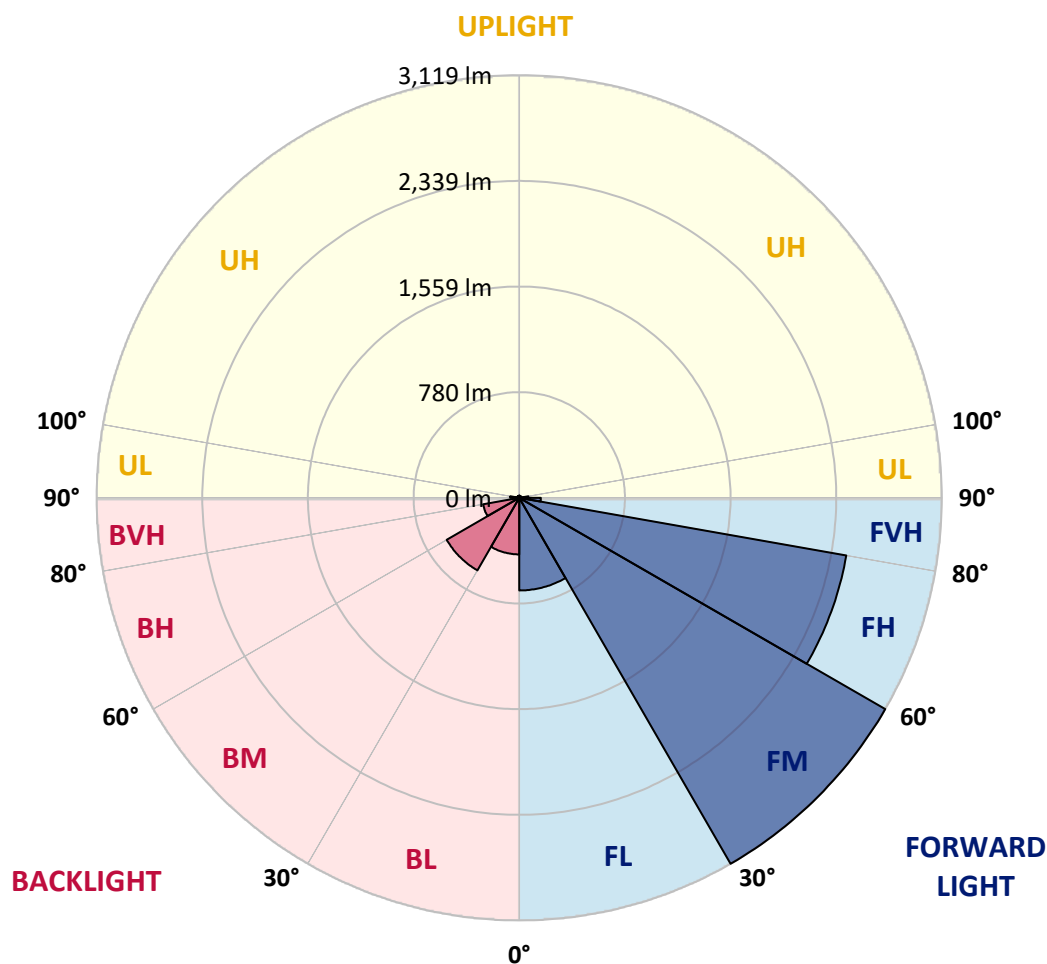
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	683.6	8.7			
FM	(30°-60°)	3118.9	39.9			
FH	(60°-80°)	2450.9	31.3			G2/5000
FVH	(80°-90°)	159.1	2.0			G2/225
BL	(0°-30°)	417.5	5.3	B1/500		
BM	(30°-60°)	618.3	7.9	B1/1000		
BH	(60°-80°)	270.5	3.5	B1/500		G1/500
BVH	(80°-90°)	20.1	0.3			G1/100
UL	(90°-100°)	66.8	0.9		U3/500	
UH	(100°-180°)	15.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4
2.5°	1194.8	1192.0	1194.8	1192.0	1189.2	1186.4	1183.6	1183.6	1180.8	1183.6	1186.4
5°	1248.0	1250.8	1245.2	1234.0	1220.0	1208.8	1203.2	1200.4	1200.4	1203.2	1214.4
7.5°	1287.1	1284.3	1281.5	1278.7	1267.6	1242.4	1228.4	1222.8	1222.8	1217.2	1236.8
10°	1357.1	1351.5	1337.5	1320.7	1309.5	1281.5	1256.4	1248.0	1245.2	1248.0	1264.8
12.5°	1432.6	1427.0	1424.2	1407.5	1368.3	1343.1	1301.1	1281.5	1281.5	1281.5	1289.9
15°	1541.8	1533.4	1505.4	1485.8	1452.2	1410.3	1362.7	1334.7	1334.7	1340.3	1317.9
17.5°	1620.1	1614.5	1611.7	1578.1	1550.2	1485.8	1449.4	1401.9	1401.9	1413.1	1365.5
20°	1701.3	1695.7	1698.5	1692.9	1650.9	1600.5	1536.2	1480.2	1480.2	1483.0	1415.9
22.5°	1810.4	1802.0	1802.0	1799.2	1776.8	1718.0	1642.5	1594.9	1586.5	1564.2	1480.2
25°	1919.5	1916.7	1911.1	1913.9	1908.3	1841.2	1760.0	1706.9	1706.9	1676.1	1567.0
27.5°	2028.6	2028.6	2025.8	2028.6	2025.8	1983.9	1902.7	1846.8	1849.6	1810.4	1662.1
30°	2107.0	2104.2	2123.8	2132.2	2137.8	2121.0	2042.6	1981.1	1986.7	1947.5	1774.0
32.5°	2179.7	2176.9	2210.5	2230.1	2235.7	2232.9	2168.5	2118.2	2132.2	2095.8	1908.3
35°	2246.9	2244.1	2288.9	2339.2	2361.6	2356.0	2314.0	2286.1	2300.1	2297.3	2090.2
37.5°	2297.3	2305.7	2364.4	2434.4	2473.5	2476.3	2456.8	2487.5	2504.3	2560.3	2316.8
40°	2356.0	2356.0	2412.0	2487.5	2557.5	2585.5	2602.3	2742.2	2759.0	2770.1	2467.9
42.5°	2294.5	2311.3	2431.6	2543.5	2633.0	2697.4	2789.7	2971.6	3008.0	2924.0	2652.6
45°	2246.9	2260.9	2384.0	2571.5	2700.2	2820.5	2994.0	3195.5	3223.4	3077.9	2750.6
47.5°	2196.5	2218.9	2344.8	2551.9	2764.5	2971.6	3164.7	3371.7	3396.9	3209.5	2887.7
50°	2137.8	2163.0	2297.3	2523.9	2798.1	3114.3	3318.6	3542.4	3545.2	3324.2	2963.2
52.5°	2081.8	2098.6	2238.5	2487.5	2826.1	3223.4	3464.1	3671.1	3654.4	3469.7	3044.4
55°	1986.7	2020.2	2168.5	2437.2	2840.1	3285.0	3564.8	3780.3	3791.5	3626.4	3153.5
57.5°	1899.9	1922.3	2079.0	2364.4	2828.9	3321.4	3662.7	3984.5	4006.9	3766.3	3231.8
60°	1790.8	1804.8	1955.9	2263.7	2756.2	3382.9	3881.0	4211.2	4236.4	3900.6	3262.6
62.5°	1653.7	1653.7	1804.8	2129.4	2663.8	3427.7	4032.1	4407.0	4407.0	4006.9	3273.8
65°	1477.4	1485.8	1620.1	1947.5	2509.9	3402.5	4076.9	4499.4	4507.8	4082.5	3268.2
67.5°	1306.7	1303.9	1421.4	1709.7	2277.7	3271.0	4043.3	4547.0	4580.5	4127.2	3195.5
70°	1080.1	1071.7	1180.8	1441.0	1953.1	3022.0	3964.9	4586.1	4563.7	4068.5	3052.8
72.5°	831.0	822.6	903.8	1102.5	1539.0	2593.9	3735.5	4339.9	4300.7	3749.5	2759.0
75°	590.4	579.2	643.6	775.1	1012.9	1897.1	3203.9	3850.2	3805.5	3371.7	2302.9
77.5°	335.8	324.6	383.3	489.7	612.8	1074.5	2426.0	3209.5	3271.0	2781.3	1760.0
80°	148.3	142.7	167.9	235.0	344.2	512.1	1320.7	2294.5	2210.5	1897.1	1001.7
82.5°	125.9	125.9	128.7	134.3	139.9	235.0	495.3	721.9	691.1	556.8	319.0
85°	109.1	106.3	111.9	117.5	120.3	153.9	288.2	347.0	341.4	307.8	221.1
87.5°	89.5	83.9	92.3	97.9	97.9	125.9	215.5	254.6	254.6	257.4	195.9
90°	78.3	78.3	72.8	72.8	75.5	89.5	165.1	209.9	215.5	265.8	226.6
92.5°	67.2	67.2	67.2	67.2	56.0	64.4	117.5	187.5	201.5	260.2	204.3
95°	64.4	61.6	64.4	58.8	56.0	58.8	89.5	165.1	181.9	229.4	179.1
97.5°	44.8	42.0	47.6	47.6	50.4	53.2	75.5	123.1	128.7	170.7	134.3
100°	30.8	28.0	28.0	28.0	36.4	36.4	61.6	75.5	78.3	109.1	89.5
102.5°	16.8	14.0	14.0	14.0	19.6	22.4	30.8	42.0	42.0	58.8	50.4
105°	5.6	5.6	8.4	8.4	8.4	11.2	11.2	14.0	14.0	16.8	22.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8



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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	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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°	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4	1186.4
2.5°	1189.2	1194.8	1208.8	1217.2	1228.4	1239.6	1248.0	1248.0	1256.4	1250.8	1248.0
5°	1225.6	1228.4	1245.2	1256.4	1253.6	1242.4	1234.0	1228.4	1231.2	1236.8	1236.8
7.5°	1250.8	1262.0	1248.0	1248.0	1245.2	1231.2	1214.4	1197.6	1189.2	1186.4	1186.4
10°	1264.8	1253.6	1248.0	1234.0	1203.2	1194.8	1180.8	1150.0	1141.6	1141.6	1130.4
12.5°	1273.1	1267.6	1236.8	1211.6	1183.6	1138.8	1108.1	1102.5	1077.3	1074.5	1077.3
15°	1306.7	1278.7	1239.6	1192.0	1138.8	1099.7	1057.7	1012.9	993.3	996.1	998.9
17.5°	1329.1	1303.9	1234.0	1158.4	1110.9	1038.1	990.5	965.4	934.6	934.6	934.6
20°	1365.5	1323.5	1225.6	1144.4	1032.5	979.3	923.4	895.4	864.6	811.5	805.9
22.5°	1413.1	1359.9	1222.8	1102.5	1001.7	915.0	833.8	747.1	702.3	671.6	663.2
25°	1471.8	1410.3	1242.4	1082.9	943.0	836.6	733.1	615.6	531.6	514.9	514.9
27.5°	1572.5	1474.6	1267.6	1063.3	909.4	749.9	587.6	484.1	411.3	388.9	386.1
30°	1670.5	1555.8	1275.9	1043.7	845.0	632.4	453.3	344.2	279.8	251.8	246.2
32.5°	1824.4	1667.7	1348.7	1026.9	772.3	509.3	321.8	218.3	165.1	148.3	145.5
35°	1981.1	1818.8	1373.9	982.1	640.8	372.2	184.7	117.5	89.5	75.5	72.8
37.5°	2182.5	2009.1	1449.4	934.6	509.3	212.7	103.5	64.4	56.0	56.0	56.0
40°	2300.1	2093.0	1516.6	873.0	349.8	109.1	61.6	50.4	50.4	47.6	47.6
42.5°	2451.2	2196.5	1575.3	752.7	184.7	67.2	53.2	47.6	42.0	42.0	42.0
45°	2537.9	2263.7	1555.8	604.4	86.7	61.6	50.4	42.0	39.2	39.2	39.2
47.5°	2644.2	2347.6	1513.8	447.7	75.5	56.0	47.6	39.2	36.4	39.2	39.2
50°	2750.6	2431.6	1407.5	344.2	70.0	53.2	42.0	33.6	33.6	36.4	36.4
52.5°	2803.7	2490.3	1281.5	237.8	70.0	50.4	39.2	33.6	30.8	30.8	30.8
55°	2865.3	2504.3	1175.2	156.7	67.2	47.6	36.4	28.0	28.0	25.2	25.2
57.5°	2898.9	2467.9	1096.9	131.5	64.4	44.8	33.6	25.2	22.4	19.6	19.6
60°	2884.9	2414.8	1029.7	114.7	58.8	42.0	30.8	22.4	16.8	14.0	14.0
62.5°	2856.9	2370.0	906.6	100.7	56.0	36.4	25.2	19.6	14.0	11.2	11.2
65°	2826.1	2249.7	763.9	86.7	50.4	33.6	22.4	16.8	11.2	8.4	8.4
67.5°	2683.4	2090.2	559.6	78.3	47.6	30.8	19.6	14.0	11.2	8.4	8.4
70°	2495.9	1824.4	361.0	67.2	42.0	28.0	19.6	11.2	8.4	5.6	5.6
72.5°	2123.8	1488.6	181.9	58.8	39.2	28.0	16.8	11.2	8.4	5.6	2.8
75°	1734.8	1110.9	117.5	50.4	36.4	28.0	16.8	11.2	5.6	2.8	2.8
77.5°	1242.4	601.6	89.5	44.8	30.8	28.0	14.0	8.4	5.6	5.6	2.8
80°	517.7	218.3	72.8	36.4	28.0	25.2	14.0	8.4	5.6	5.6	2.8
82.5°	218.3	151.1	64.4	30.8	25.2	25.2	11.2	8.4	5.6	5.6	5.6
85°	170.7	125.9	56.0	28.0	22.4	28.0	11.2	8.4	8.4	8.4	8.4
87.5°	159.5	128.7	50.4	25.2	22.4	19.6	11.2	8.4	14.0	14.0	16.8
90°	179.1	134.3	39.2	22.4	19.6	16.8	8.4	5.6	5.6	0.0	0.0
92.5°	165.1	123.1	28.0	16.8	25.2	11.2	5.6	0.0	0.0	0.0	0.0
95°	142.7	103.5	16.8	11.2	28.0	14.0	2.8	0.0	0.0	0.0	0.0
97.5°	106.3	75.5	11.2	5.6	22.4	16.8	2.8	0.0	0.0	0.0	0.0
100°	75.5	47.6	8.4	5.6	14.0	16.8	2.8	0.0	0.0	0.0	0.0
102.5°	42.0	25.2	5.6	2.8	5.6	5.6	0.0	0.0	0.0	0.0	0.0
105°	19.6	8.4	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690860

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	2.8	2.8	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)