

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: P691818

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10421 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

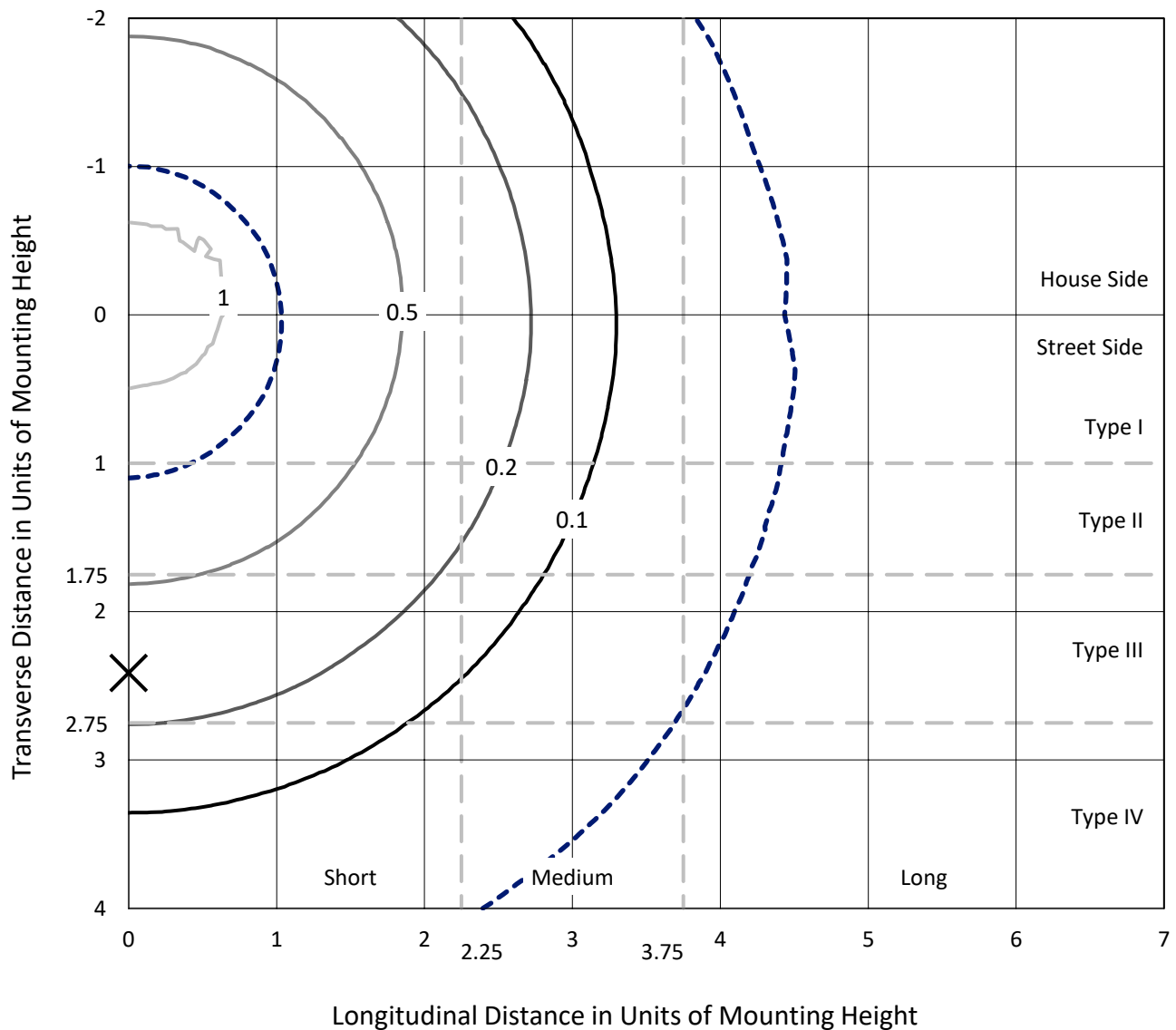
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

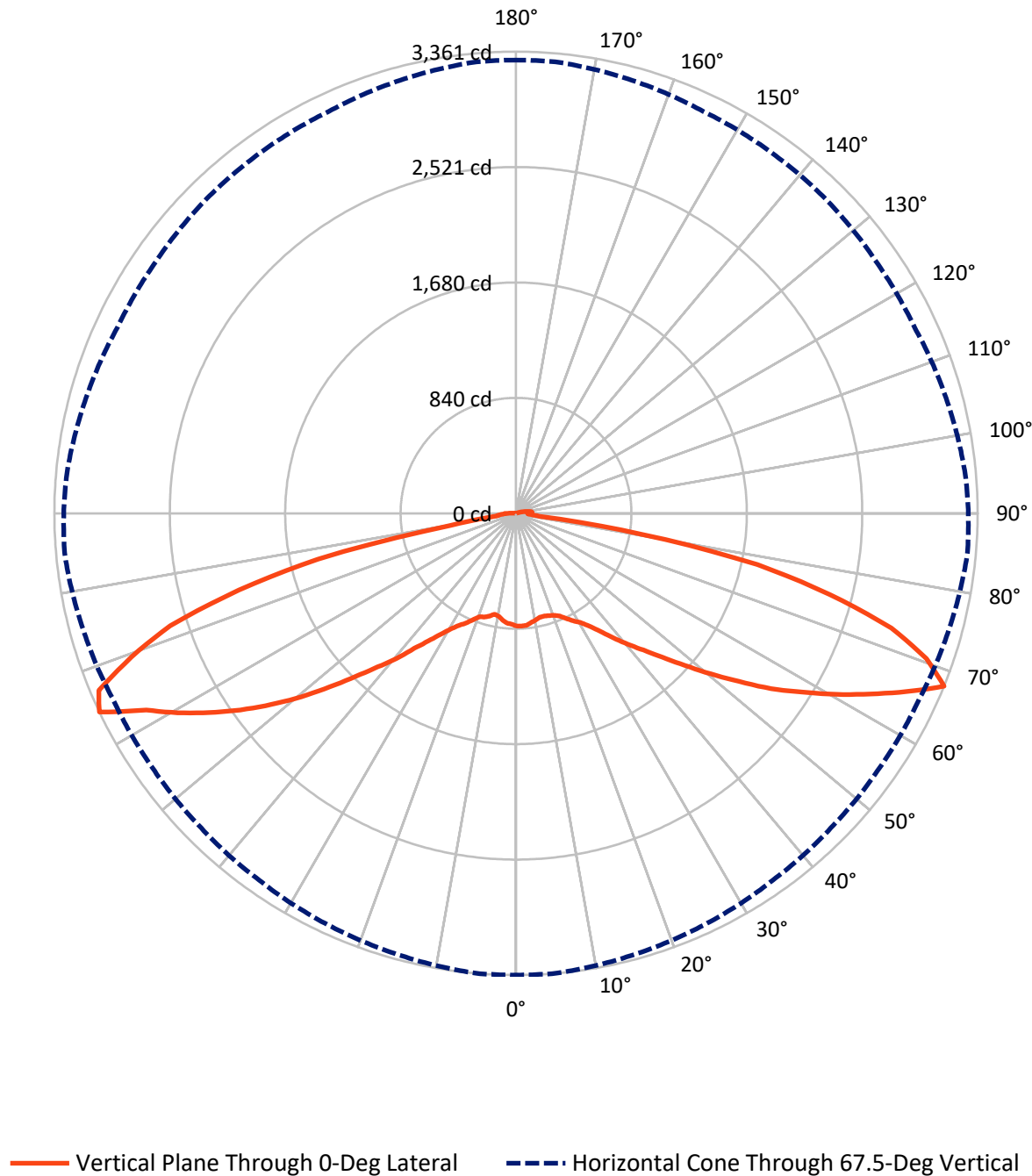
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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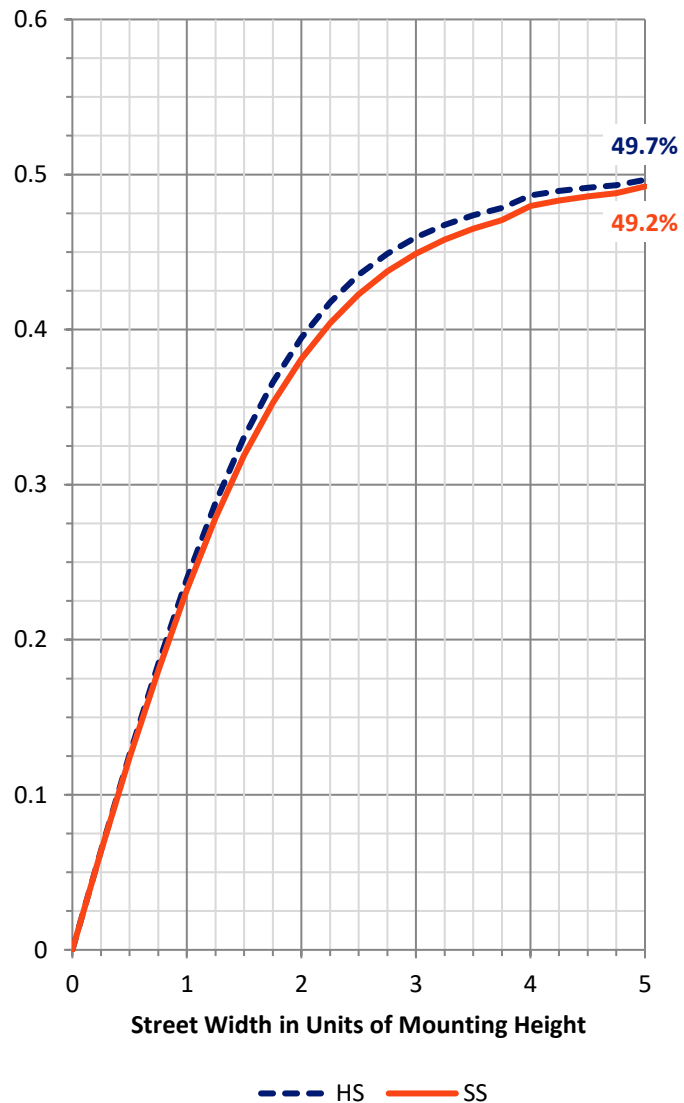
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5159.6	48.9	5208.5
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5143.3	69.2	5212.5
	% Fixture	49.4	0.7	50.0
Total	Lumens	10302.9	118.1	10421.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	0.7
10°-20°	226.8	2.2
20°-30°	409.9	3.9
30°-40°	706.9	6.8
40°-50°	1254.0	12.0
50°-60°	2134.8	20.5
60°-70°	3058.6	29.4
70°-80°	2223.9	21.3
80°-90°	211.1	2.0
90°-100°	95.3	0.9
100°-110°	22.8	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	10302.9	98.9
0°-180°	10421.0	100.0

Coefficient of Utilization



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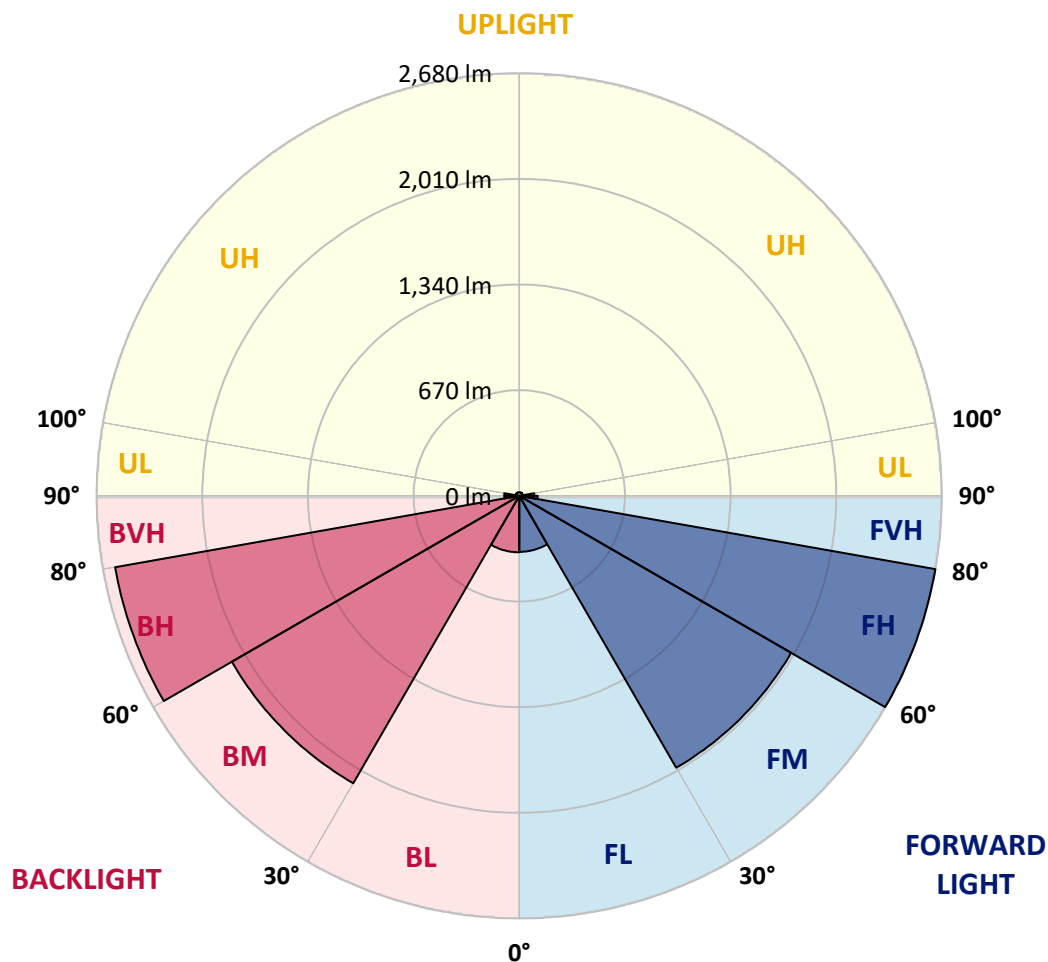
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.1	3.4			
FM	(30°-60°)	1990.9	19.1			
FH	(60°-80°)	2679.9	25.7			G2/5000
FVH	(80°-90°)	117.3	1.1			G2/225
BL	(0°-30°)	358.4	3.4	B1/500		
BM	(30°-60°)	2104.8	20.2	B2/2500		
BH	(60°-80°)	2602.5	25.0	B4/5000		G2/5000
BVH	(80°-90°)	93.9	0.9			G1/100
UL	(90°-100°)	95.3	0.9		U3/500	
UH	(100°-180°)	22.8	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5
2.5°	821.5	821.5	821.5	821.5	821.5	821.5	818.2	811.8	811.8	811.8	811.8
5°	818.2	818.2	818.2	818.2	821.5	821.5	821.5	815.0	815.0	815.0	815.0
7.5°	802.0	802.0	805.3	805.3	808.5	811.8	808.5	808.5	808.5	811.8	811.8
10°	789.0	789.0	792.3	792.3	795.5	795.5	802.0	802.0	805.3	808.5	808.5
12.5°	776.0	776.0	779.3	785.8	789.0	792.3	795.5	798.8	805.3	808.5	808.5
15°	776.0	776.0	776.0	782.5	792.3	798.8	802.0	808.5	815.0	818.2	821.5
17.5°	782.5	782.5	782.5	789.0	795.5	805.3	815.0	818.2	824.7	831.2	831.2
20°	792.3	792.3	795.5	802.0	811.8	818.2	824.7	834.5	841.0	847.5	850.7
22.5°	811.8	815.0	815.0	818.2	828.0	837.7	844.2	850.7	860.5	867.0	873.4
25°	847.5	844.2	844.2	850.7	857.2	867.0	870.2	876.7	886.4	896.2	899.4
27.5°	886.4	883.2	883.2	889.7	896.2	902.7	905.9	915.7	925.4	935.1	938.4
30°	922.2	922.2	925.4	931.9	938.4	948.1	951.4	961.1	967.6	980.6	980.6
32.5°	977.4	980.6	983.8	987.1	993.6	1003.3	1013.1	1016.3	1022.8	1032.6	1039.0
35°	1052.0	1058.5	1058.5	1061.8	1078.0	1087.7	1081.3	1091.0	1100.7	1113.7	1120.2
37.5°	1149.4	1146.2	1155.9	1168.9	1172.2	1181.9	1178.7	1185.2	1198.1	1214.4	1224.1
40°	1253.3	1256.6	1256.6	1259.8	1269.6	1272.8	1285.8	1295.6	1308.5	1331.3	1337.8
42.5°	1360.5	1367.0	1373.5	1376.7	1393.0	1396.2	1406.0	1418.9	1435.2	1451.4	1457.9
45°	1493.6	1490.4	1506.6	1513.1	1529.3	1548.8	1548.8	1555.3	1581.3	1597.5	1607.3
47.5°	1652.7	1659.2	1669.0	1678.7	1704.7	1707.9	1724.2	1733.9	1750.1	1766.4	1769.6
50°	1837.8	1837.8	1847.6	1867.0	1883.3	1899.5	1909.2	1922.2	1935.2	1961.2	1974.2
52.5°	2032.6	2035.9	2048.9	2068.3	2094.3	2097.6	2107.3	2130.0	2139.8	2146.3	2169.0
55°	2253.4	2243.7	2253.4	2282.7	2311.9	2308.6	2311.9	2337.9	2354.1	2367.1	2373.6
57.5°	2454.7	2454.7	2464.5	2487.2	2493.7	2503.4	2506.7	2529.4	2548.9	2565.1	2568.4
60°	2675.5	2672.3	2678.8	2698.3	2721.0	2721.0	2717.8	2740.5	2760.0	2763.2	2785.9
62.5°	2896.3	2886.6	2893.1	2906.1	2919.1	2906.1	2919.1	2938.5	2954.8	2967.8	2974.3
65°	3126.9	3113.9	3117.1	3104.1	3084.7	3068.4	3097.7	3152.9	3201.6	3227.5	3230.8
67.5°	3360.7	3360.7	3324.9	3292.5	3260.0	3240.5	3230.8	3230.8	3263.2	3299.0	3292.5
70°	3169.1	3175.6	3146.4	3123.6	3071.7	3055.4	3045.7	3013.2	3029.5	3039.2	3016.5
72.5°	2857.4	2821.7	2808.7	2798.9	2760.0	2730.7	2698.3	2675.5	2665.8	2672.3	2646.3
75°	2360.6	2432.0	2393.0	2373.6	2347.6	2334.6	2250.2	2224.2	2221.0	2246.9	2246.9
77.5°	1795.6	1834.6	1808.6	1818.3	1779.4	1772.9	1740.4	1711.2	1688.4	1682.0	1617.0
80°	931.9	961.1	967.6	1000.1	993.6	974.1	951.4	867.0	844.2	857.2	795.5
82.5°	168.8	175.3	178.6	181.8	168.8	175.3	178.6	162.4	172.1	168.8	162.4
85°	97.4	97.4	100.7	100.7	94.2	87.7	94.2	90.9	90.9	97.4	97.4
87.5°	84.4	87.7	90.9	90.9	81.2	74.7	81.2	81.2	84.4	87.7	87.7
90°	87.7	87.7	94.2	94.2	84.4	77.9	87.7	90.9	90.9	90.9	94.2
92.5°	116.9	113.6	116.9	116.9	107.2	100.7	113.6	113.6	113.6	113.6	116.9
95°	113.6	110.4	113.6	110.4	103.9	97.4	107.2	110.4	110.4	110.4	113.6
97.5°	97.4	97.4	97.4	97.4	87.7	84.4	97.4	97.4	94.2	94.2	97.4
100°	74.7	71.4	71.4	71.4	68.2	68.2	74.7	71.4	68.2	71.4	74.7
102.5°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	45.5	45.5	45.5	52.0
105°	29.2	29.2	26.0	26.0	26.0	26.0	26.0	22.7	22.7	22.7	29.2
107.5°	9.7	9.7	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2	9.7
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5	821.5
2.5°	815.0	815.0	818.2	815.0	815.0	811.8	808.5	805.3	808.5	808.5
5°	815.0	818.2	815.0	811.8	808.5	805.3	805.3	798.8	798.8	802.0
7.5°	811.8	818.2	811.8	808.5	798.8	795.5	792.3	785.8	785.8	785.8
10°	808.5	808.5	805.3	792.3	785.8	776.0	772.8	766.3	763.0	759.8
12.5°	808.5	808.5	798.8	789.0	779.3	766.3	763.0	756.6	753.3	750.1
15°	818.2	821.5	815.0	802.0	785.8	782.5	772.8	769.5	766.3	772.8
17.5°	834.5	831.2	824.7	811.8	802.0	798.8	785.8	785.8	782.5	789.0
20°	850.7	844.2	837.7	831.2	818.2	811.8	811.8	802.0	805.3	798.8
22.5°	870.2	873.4	863.7	854.0	844.2	841.0	837.7	837.7	834.5	834.5
25°	902.7	902.7	896.2	886.4	879.9	873.4	870.2	873.4	867.0	876.7
27.5°	941.6	938.4	938.4	931.9	922.2	918.9	915.7	918.9	915.7	915.7
30°	980.6	987.1	980.6	977.4	970.9	970.9	967.6	967.6	970.9	967.6
32.5°	1042.3	1045.5	1045.5	1042.3	1035.8	1032.6	1032.6	1035.8	1042.3	1039.0
35°	1123.5	1126.7	1133.2	1139.7	1139.7	1133.2	1126.7	1123.5	1126.7	1126.7
37.5°	1230.6	1233.9	1240.4	1240.4	1237.1	1233.9	1237.1	1243.6	1230.6	1230.6
40°	1341.0	1337.8	1344.3	1350.8	1354.0	1350.8	1347.5	1354.0	1360.5	1370.2
42.5°	1464.4	1470.9	1474.1	1487.1	1493.6	1493.6	1490.4	1500.1	1503.4	1503.4
45°	1610.5	1626.8	1620.3	1643.0	1662.5	1665.7	1656.0	1662.5	1656.0	1662.5
47.5°	1779.4	1792.4	1805.3	1824.8	1834.6	1841.1	1837.8	1844.3	1850.8	1850.8
50°	1970.9	1980.7	2003.4	2029.4	2045.6	2045.6	2032.6	2045.6	2058.6	2055.4
52.5°	2172.3	2191.7	2214.5	2237.2	2250.2	2253.4	2253.4	2263.2	2259.9	2259.9
55°	2383.3	2399.5	2428.8	2441.8	2458.0	2464.5	2464.5	2467.7	2464.5	2464.5
57.5°	2584.6	2604.1	2626.8	2652.8	2669.0	2675.5	2669.0	2669.0	2669.0	2662.6
60°	2792.4	2805.4	2828.1	2847.6	2857.4	2870.4	2870.4	2867.1	2863.9	2860.6
62.5°	2984.0	2990.5	2997.0	3000.2	3010.0	3036.0	3036.0	3052.2	3052.2	3048.9
65°	3234.0	3204.8	3178.8	3185.3	3208.0	3230.8	3250.3	3315.2	3347.7	3360.7
67.5°	3282.7	3240.5	3201.6	3198.3	3211.3	3217.8	3227.5	3263.2	3299.0	3299.0
70°	2997.0	2971.0	2935.3	2951.5	2961.3	2951.5	2964.5	2987.3	3019.7	2990.5
72.5°	2626.8	2584.6	2610.6	2626.8	2610.6	2597.6	2604.1	2600.9	2623.6	2646.3
75°	2217.7	2130.0	2130.0	2130.0	2136.5	2107.3	2107.3	2110.6	2152.8	2094.3
77.5°	1643.0	1581.3	1565.1	1500.1	1493.6	1454.7	1480.6	1464.4	1503.4	1480.6
80°	766.3	740.3	730.6	665.6	652.6	548.7	587.7	522.8	542.3	487.1
82.5°	159.1	155.9	152.6	136.4	123.4	107.2	126.6	142.9	146.1	142.9
85°	100.7	103.9	103.9	97.4	90.9	81.2	97.4	120.1	126.6	126.6
87.5°	87.7	90.9	90.9	87.7	81.2	71.4	81.2	90.9	94.2	90.9
90°	94.2	97.4	94.2	90.9	84.4	74.7	84.4	87.7	71.4	74.7
92.5°	113.6	113.6	110.4	110.4	107.2	94.2	103.9	84.4	32.5	9.7
95°	110.4	107.2	107.2	103.9	100.7	84.4	84.4	22.7	0.0	0.0
97.5°	94.2	87.7	87.7	84.4	84.4	71.4	52.0	0.0	0.0	0.0
100°	71.4	61.7	61.7	58.4	58.4	48.7	19.5	0.0	0.0	0.0
102.5°	48.7	39.0	35.7	32.5	32.5	29.2	3.2	0.0	0.0	0.0
105°	26.0	16.2	13.0	9.7	9.7	6.5	0.0	0.0	0.0	0.0
107.5°	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691818

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)