

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: P691924

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691924
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-D-U-T5R-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10487 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

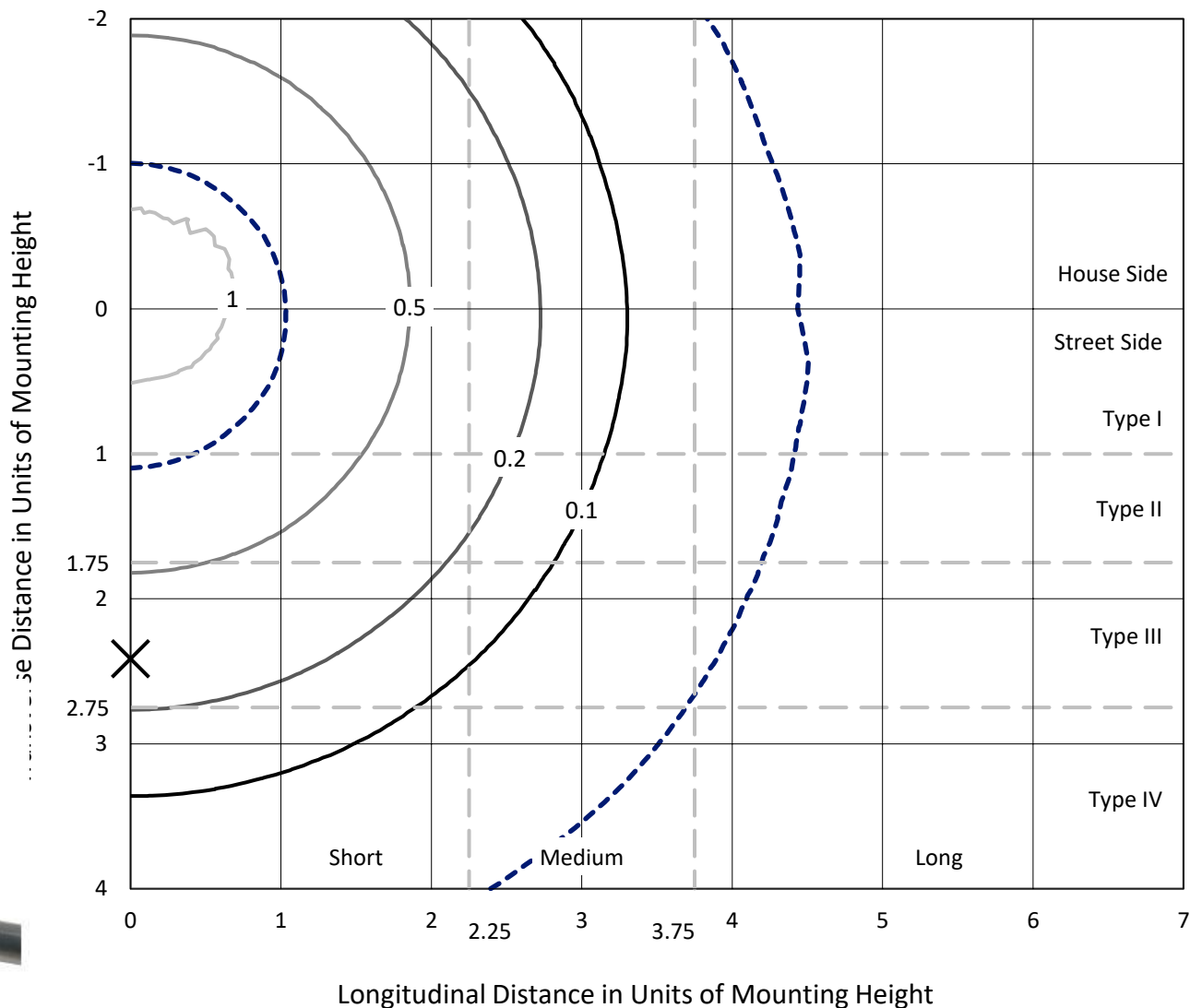
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

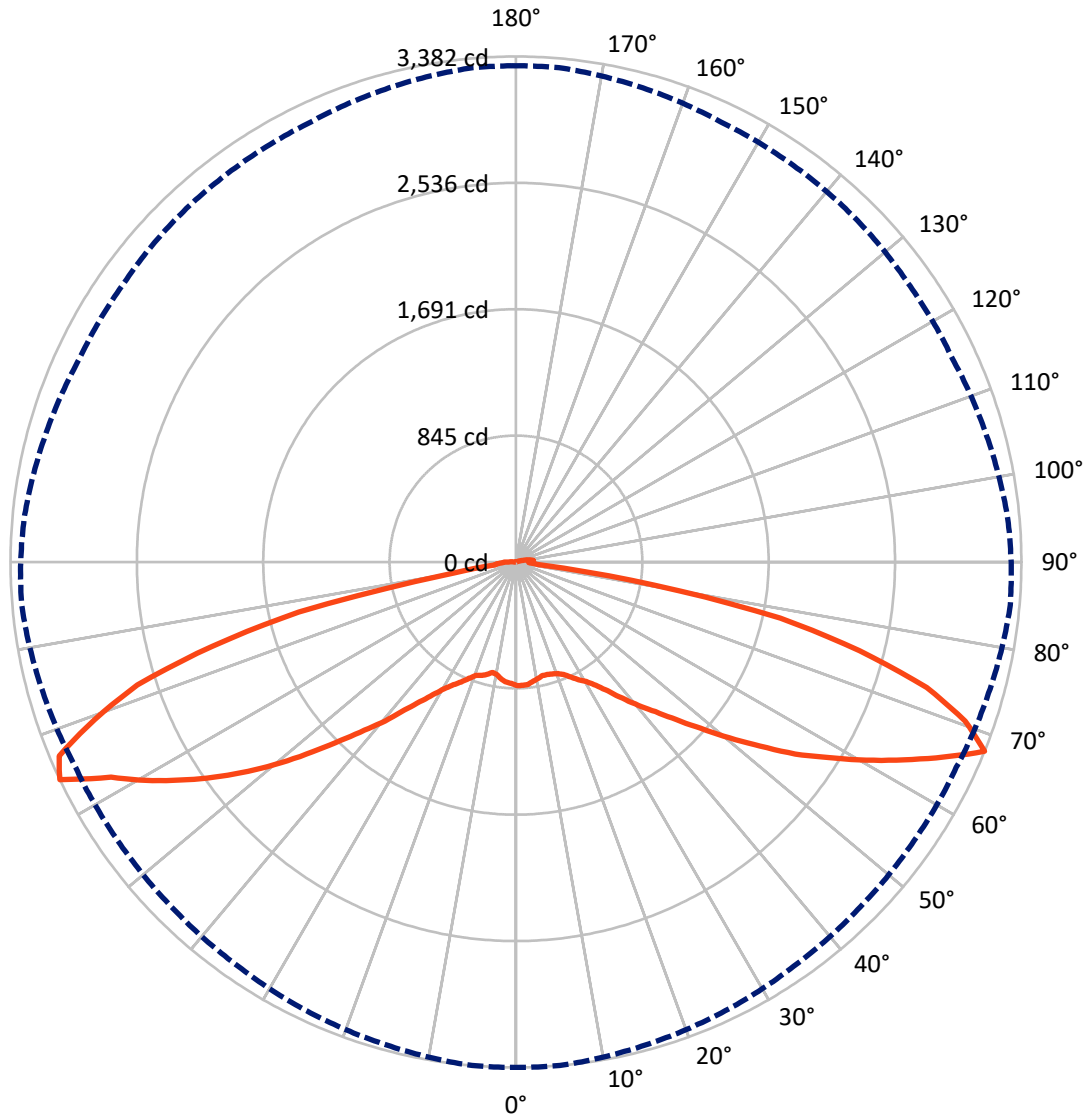
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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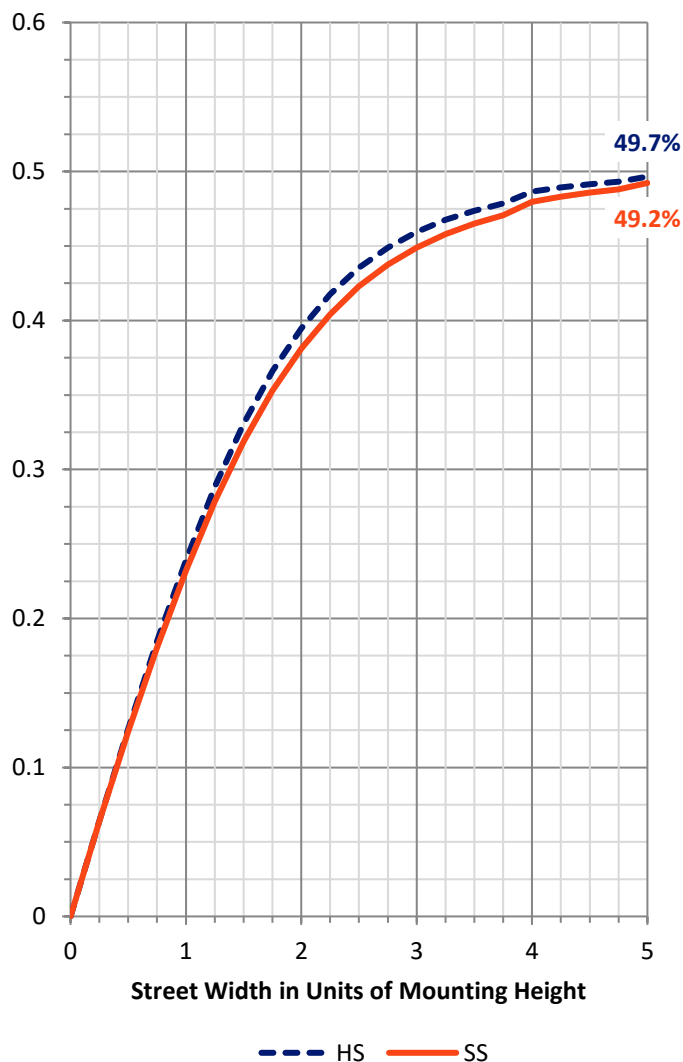
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5192.3	49.2	5241.5
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5175.9	69.6	5245.5
	% Fixture	49.4	0.7	50.0
Total	Lumens	10368.2	118.8	10487.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	0.7
10°-20°	228.2	2.2
20°-30°	412.5	3.9
30°-40°	711.3	6.8
40°-50°	1262.0	12.0
50°-60°	2148.4	20.5
60°-70°	3078.0	29.4
70°-80°	2238.0	21.3
80°-90°	212.5	2.0
90°-100°	95.9	0.9
100°-110°	22.9	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°	10368.2	98.9
0°-180°	10487.0	100.0

Coefficient of Utilization

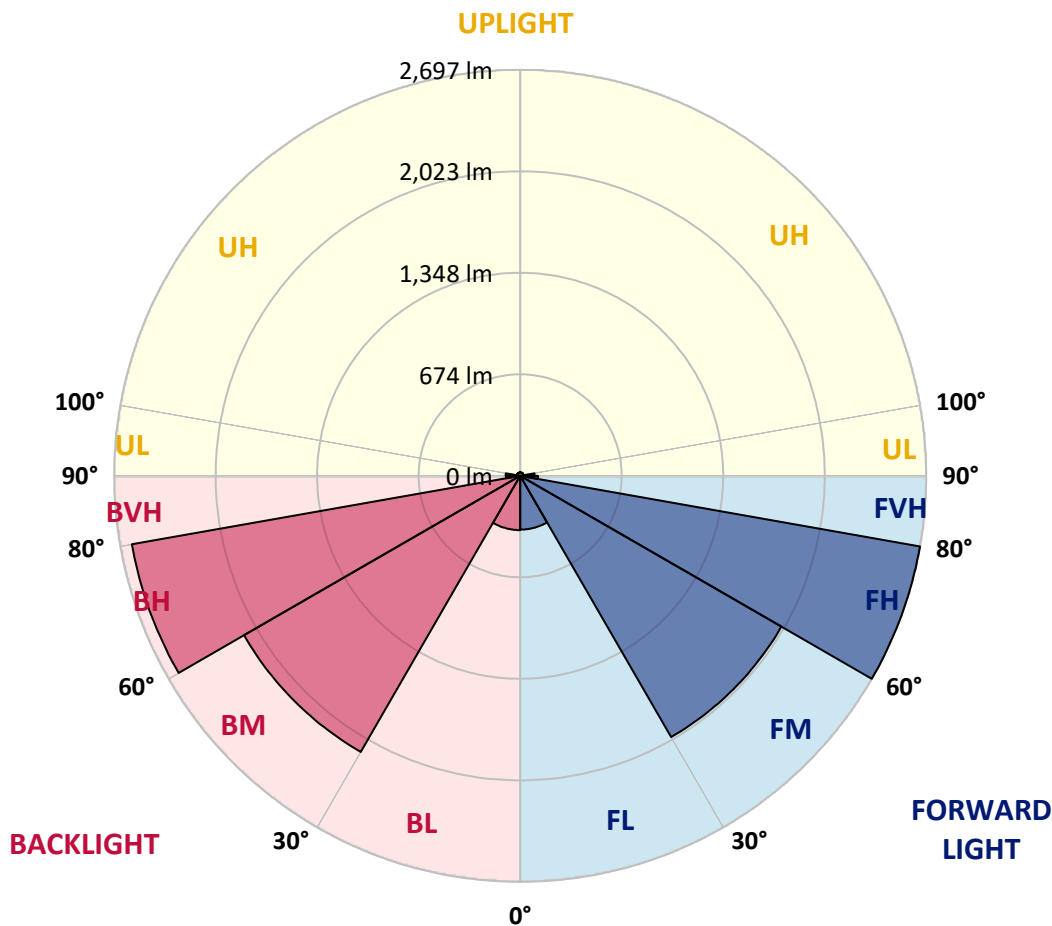


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.4	3.4			
FM (30°-60°)	2003.5	19.1			
FH (60°-80°)	2696.9	25.7			G2/5000
FVH (80°-90°)	118.0	1.1			G2/225
BL (0°-30°)	360.7	3.4	B1/500		
BM (30°-60°)	2118.1	20.2	B2/2500		
BH (60°-80°)	2619.0	25.0	B4/5000		G2/5000
BVH (80°-90°)	94.5	0.9			G1/100
UL (90°-100°)	95.9	0.9		U3/500	
UH (100°-180°)	22.9	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°	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7
2.5°	826.7	826.7	826.7	826.7	826.7	826.7	823.4	816.9	816.9	816.9	816.9
5°	823.4	823.4	823.4	823.4	826.7	826.7	826.7	820.2	820.2	820.2	820.2
7.5°	807.1	807.1	810.4	810.4	813.6	816.9	813.6	813.6	813.6	816.9	816.9
10°	794.0	794.0	797.3	797.3	800.6	800.6	807.1	807.1	810.4	813.6	813.6
12.5°	781.0	781.0	784.2	790.8	794.0	797.3	800.6	803.8	810.4	813.6	813.6
15°	781.0	781.0	781.0	787.5	797.3	803.8	807.1	813.6	820.2	823.4	826.7
17.5°	787.5	787.5	787.5	794.0	800.6	810.4	820.2	823.4	830.0	836.5	836.5
20°	797.3	797.3	800.6	807.1	816.9	823.4	830.0	839.8	846.3	852.8	856.1
22.5°	816.9	820.2	820.2	823.4	833.2	843.0	849.6	856.1	865.9	872.4	879.0
25°	852.8	849.6	849.6	856.1	862.6	872.4	875.7	882.2	892.0	901.9	905.1
27.5°	892.0	888.8	888.8	895.3	901.9	908.4	911.7	921.5	931.3	941.1	944.3
30°	928.0	928.0	931.3	937.8	944.3	954.1	957.4	967.2	973.7	986.8	986.8
32.5°	983.5	986.8	990.1	993.3	999.9	1009.7	1019.5	1022.8	1029.3	1039.1	1045.6
35°	1058.7	1065.2	1065.2	1068.5	1084.8	1094.6	1088.1	1097.9	1107.7	1120.8	1127.3
37.5°	1156.7	1153.5	1163.3	1176.3	1179.6	1189.4	1186.1	1192.7	1205.7	1222.1	1231.9
40°	1261.3	1264.6	1264.6	1267.8	1277.6	1280.9	1294.0	1303.8	1316.8	1339.7	1346.2
42.5°	1369.1	1375.7	1382.2	1385.5	1401.8	1405.1	1414.9	1427.9	1444.3	1460.6	1467.1
45°	1503.1	1499.8	1516.2	1522.7	1539.0	1558.6	1558.6	1565.2	1591.3	1607.6	1617.5
47.5°	1663.2	1669.7	1679.5	1689.3	1715.5	1718.7	1735.1	1744.9	1761.2	1777.6	1780.8
50°	1849.4	1849.4	1859.3	1878.9	1895.2	1911.5	1921.3	1934.4	1947.5	1973.6	1986.7
52.5°	2045.5	2048.8	2061.8	2081.4	2107.6	2110.9	2120.7	2143.5	2153.3	2159.9	2182.7
55°	2267.7	2257.9	2267.7	2297.1	2326.5	2323.2	2326.5	2352.7	2369.0	2382.1	2388.6
57.5°	2470.3	2470.3	2480.1	2503.0	2509.5	2519.3	2522.6	2545.4	2565.0	2581.4	2584.7
60°	2692.5	2689.2	2695.8	2715.4	2738.2	2738.2	2735.0	2757.8	2777.4	2780.7	2803.6
62.5°	2914.7	2904.9	2911.4	2924.5	2937.6	2924.5	2937.6	2957.2	2973.5	2986.6	2993.1
65°	3146.7	3133.6	3136.9	3123.8	3104.2	3087.9	3117.3	3172.8	3221.8	3248.0	3251.2
67.5°	3381.9	3381.9	3346.0	3313.3	3280.6	3261.0	3251.2	3251.2	3283.9	3319.9	3313.3
70°	3189.2	3195.7	3166.3	3143.4	3091.1	3074.8	3065.0	3032.3	3048.7	3058.5	3035.6
72.5°	2875.5	2839.5	2826.5	2816.7	2777.4	2748.0	2715.4	2692.5	2682.7	2689.2	2663.1
75°	2375.5	2447.4	2408.2	2388.6	2362.5	2349.4	2264.4	2238.3	2235.0	2261.2	2261.2
77.5°	1807.0	1846.2	1820.0	1829.8	1790.6	1784.1	1751.4	1722.0	1699.1	1692.6	1627.3
80°	937.8	967.2	973.7	1006.4	999.9	980.3	957.4	872.4	849.6	862.6	800.6
82.5°	169.9	176.4	179.7	183.0	169.9	176.4	179.7	163.4	173.2	169.9	163.4
85°	98.0	98.0	101.3	101.3	94.8	88.2	94.8	91.5	91.5	98.0	98.0
87.5°	85.0	88.2	91.5	91.5	81.7	75.2	81.7	81.7	85.0	88.2	88.2
90°	88.2	88.2	94.8	94.8	85.0	78.4	88.2	91.5	91.5	91.5	94.8
92.5°	117.6	114.4	117.6	117.6	107.8	101.3	114.4	114.4	114.4	114.4	117.6
95°	114.4	111.1	114.4	111.1	104.6	98.0	107.8	111.1	111.1	111.1	114.4
97.5°	98.0	98.0	98.0	98.0	88.2	85.0	98.0	98.0	94.8	94.8	98.0
100°	75.2	71.9	71.9	71.9	68.6	68.6	75.2	71.9	68.6	71.9	75.2
102.5°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	45.7	45.7	45.7	52.3
105°	29.4	29.4	26.1	26.1	26.1	26.1	26.1	22.9	22.9	22.9	29.4
107.5°	9.8	9.8	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3	9.8
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°	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7	826.7
2.5°	820.2	820.2	823.4	820.2	820.2	816.9	813.6	810.4	813.6	813.6
5°	820.2	823.4	820.2	816.9	813.6	810.4	810.4	803.8	803.8	807.1
7.5°	816.9	823.4	816.9	813.6	803.8	800.6	797.3	790.8	790.8	790.8
10°	813.6	813.6	810.4	797.3	790.8	781.0	777.7	771.1	767.9	764.6
12.5°	813.6	813.6	803.8	794.0	784.2	771.1	767.9	761.3	758.1	754.8
15°	823.4	826.7	820.2	807.1	790.8	787.5	777.7	774.4	771.1	777.7
17.5°	839.8	836.5	830.0	816.9	807.1	803.8	790.8	790.8	787.5	794.0
20°	856.1	849.6	843.0	836.5	823.4	816.9	816.9	807.1	810.4	803.8
22.5°	875.7	879.0	869.2	859.4	849.6	846.3	843.0	843.0	839.8	839.8
25°	908.4	908.4	901.9	892.0	885.5	879.0	875.7	879.0	872.4	882.2
27.5°	947.6	944.3	944.3	937.8	928.0	924.7	921.5	924.7	921.5	921.5
30°	986.8	993.3	986.8	983.5	977.0	977.0	973.7	973.7	977.0	973.7
32.5°	1048.9	1052.2	1052.2	1048.9	1042.4	1039.1	1039.1	1042.4	1048.9	1045.6
35°	1130.6	1133.8	1140.4	1146.9	1146.9	1140.4	1133.8	1130.6	1133.8	1133.8
37.5°	1238.4	1241.7	1248.2	1248.2	1244.9	1241.7	1244.9	1251.5	1238.4	1238.4
40°	1349.5	1346.2	1352.8	1359.3	1362.6	1359.3	1356.0	1362.6	1369.1	1378.9
42.5°	1473.7	1480.2	1483.5	1496.6	1503.1	1503.1	1499.8	1509.6	1512.9	1512.9
45°	1620.7	1637.1	1630.5	1653.4	1673.0	1676.3	1666.5	1673.0	1666.5	1673.0
47.5°	1790.6	1803.7	1816.8	1836.4	1846.2	1852.7	1849.4	1856.0	1862.5	1862.5
50°	1983.4	1993.2	2016.1	2042.2	2058.6	2058.6	2045.5	2058.6	2071.6	2068.4
52.5°	2186.0	2205.6	2228.5	2251.4	2264.4	2267.7	2267.7	2277.5	2274.2	2274.2
55°	2398.4	2414.7	2444.1	2457.2	2473.6	2480.1	2480.1	2483.4	2480.1	2480.1
57.5°	2601.0	2620.6	2643.5	2669.6	2685.9	2692.5	2685.9	2685.9	2685.9	2679.4
60°	2810.1	2823.2	2846.1	2865.7	2875.5	2888.5	2888.5	2885.3	2882.0	2878.7
62.5°	3002.9	3009.4	3016.0	3019.2	3029.0	3055.2	3055.2	3071.5	3071.5	3068.3
65°	3254.5	3225.1	3199.0	3205.5	3228.4	3251.2	3270.8	3336.2	3368.9	3381.9
67.5°	3303.5	3261.0	3221.8	3218.6	3231.6	3238.2	3248.0	3283.9	3319.9	3319.9
70°	3016.0	2989.8	2953.9	2970.2	2980.0	2970.2	2983.3	3006.2	3038.8	3009.4
72.5°	2643.5	2601.0	2627.1	2643.5	2627.1	2614.1	2620.6	2617.3	2640.2	2663.1
75°	2231.8	2143.5	2143.5	2143.5	2150.1	2120.7	2120.7	2123.9	2166.4	2107.6
77.5°	1653.4	1591.3	1575.0	1509.6	1503.1	1463.9	1490.0	1473.7	1512.9	1490.0
80°	771.1	745.0	735.2	669.9	656.8	552.2	591.4	526.1	545.7	490.1
82.5°	160.1	156.8	153.6	137.2	124.2	107.8	127.4	143.8	147.0	143.8
85°	101.3	104.6	104.6	98.0	91.5	81.7	98.0	120.9	127.4	127.4
87.5°	88.2	91.5	91.5	88.2	81.7	71.9	81.7	91.5	94.8	91.5
90°	94.8	98.0	94.8	91.5	85.0	75.2	85.0	88.2	71.9	75.2
92.5°	114.4	114.4	111.1	111.1	107.8	94.8	104.6	85.0	32.7	9.8
95°	111.1	107.8	107.8	104.6	101.3	85.0	85.0	22.9	0.0	0.0
97.5°	94.8	88.2	88.2	85.0	85.0	71.9	52.3	0.0	0.0	0.0
100°	71.9	62.1	62.1	58.8	58.8	49.0	19.6	0.0	0.0	0.0
102.5°	49.0	39.2	35.9	32.7	32.7	29.4	3.3	0.0	0.0	0.0
105°	26.1	16.3	13.1	9.8	9.8	6.5	0.0	0.0	0.0	0.0
107.5°	9.8	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: P691924
 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7050

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)