

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: P690910

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

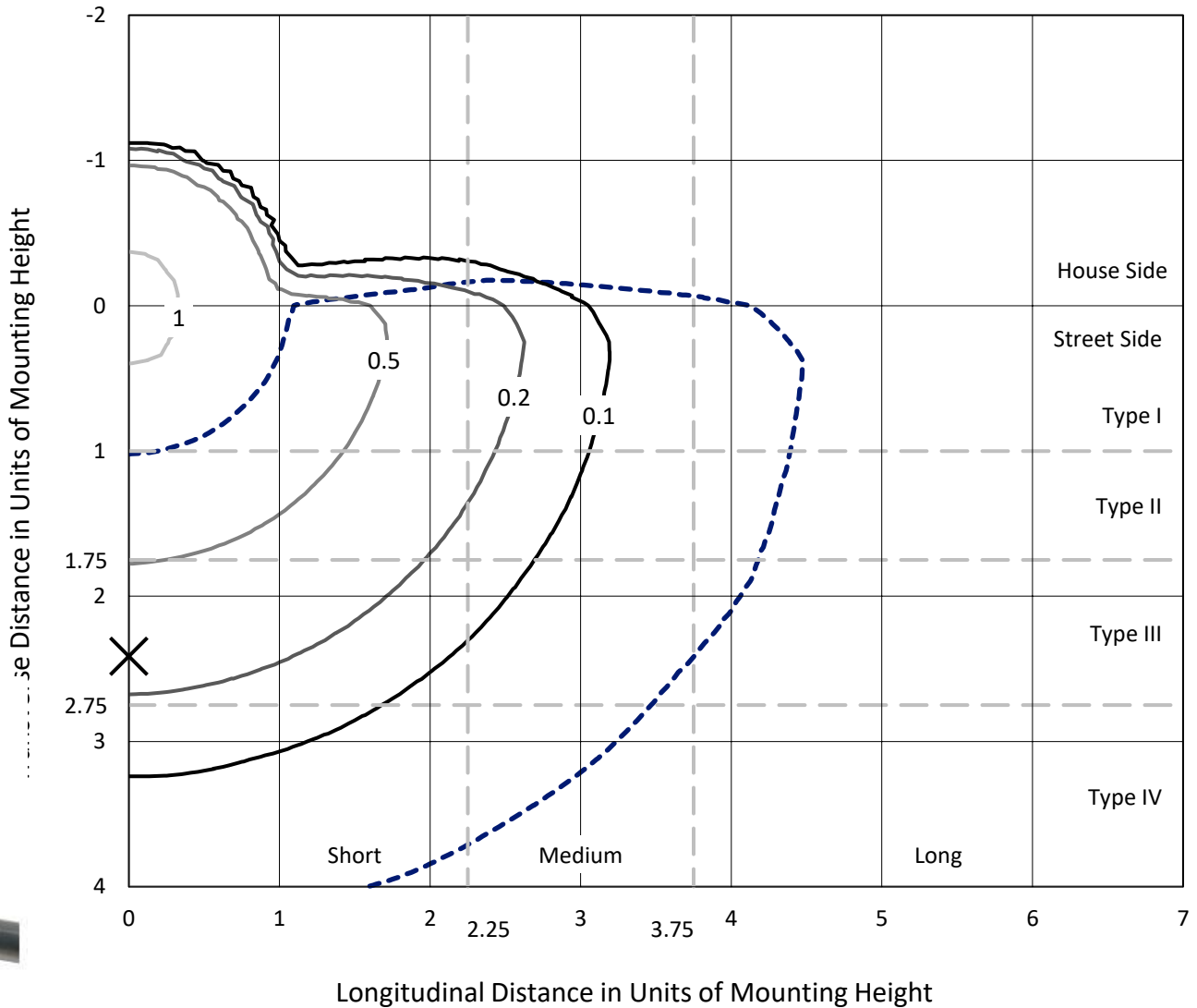
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

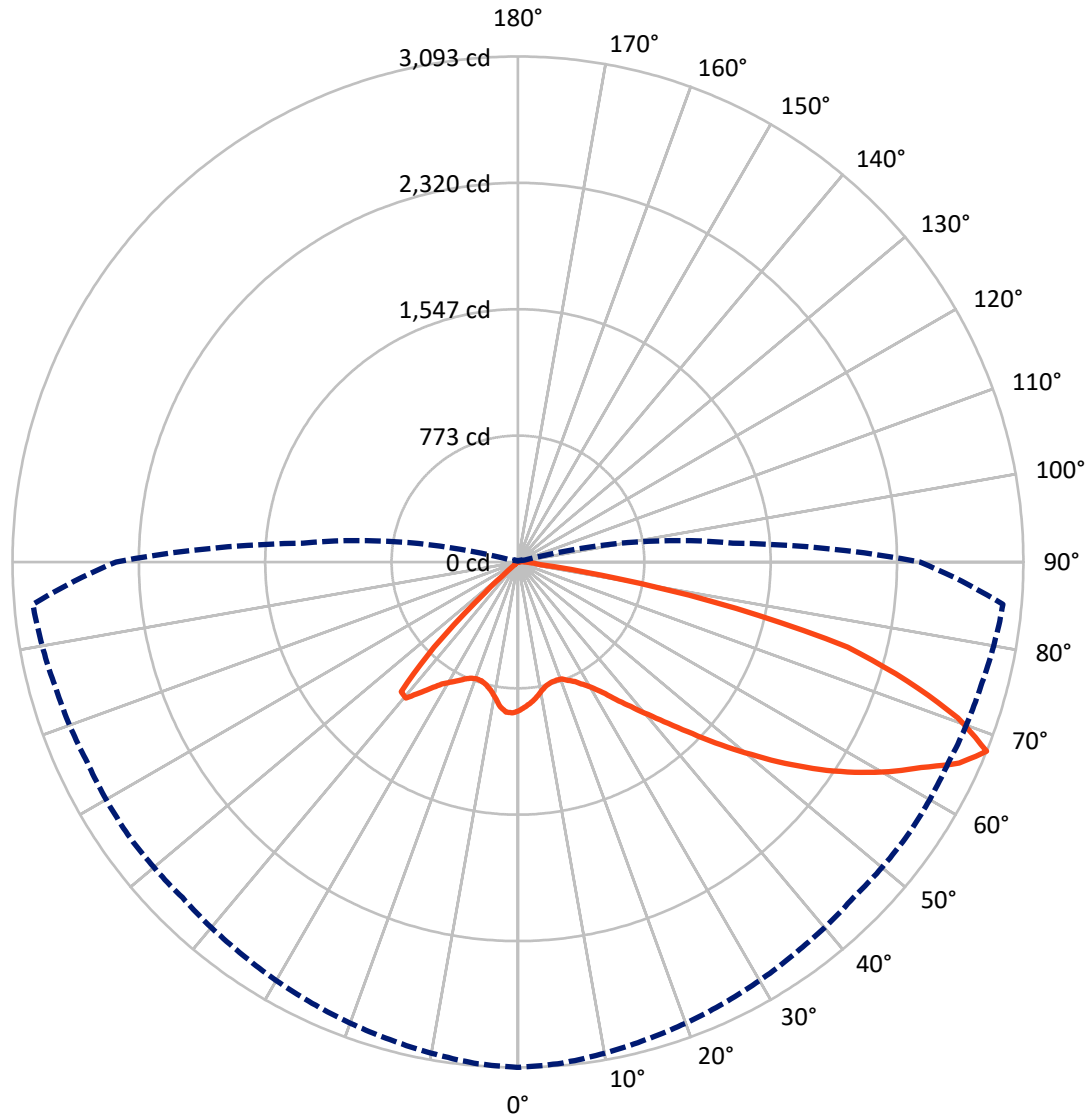
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - 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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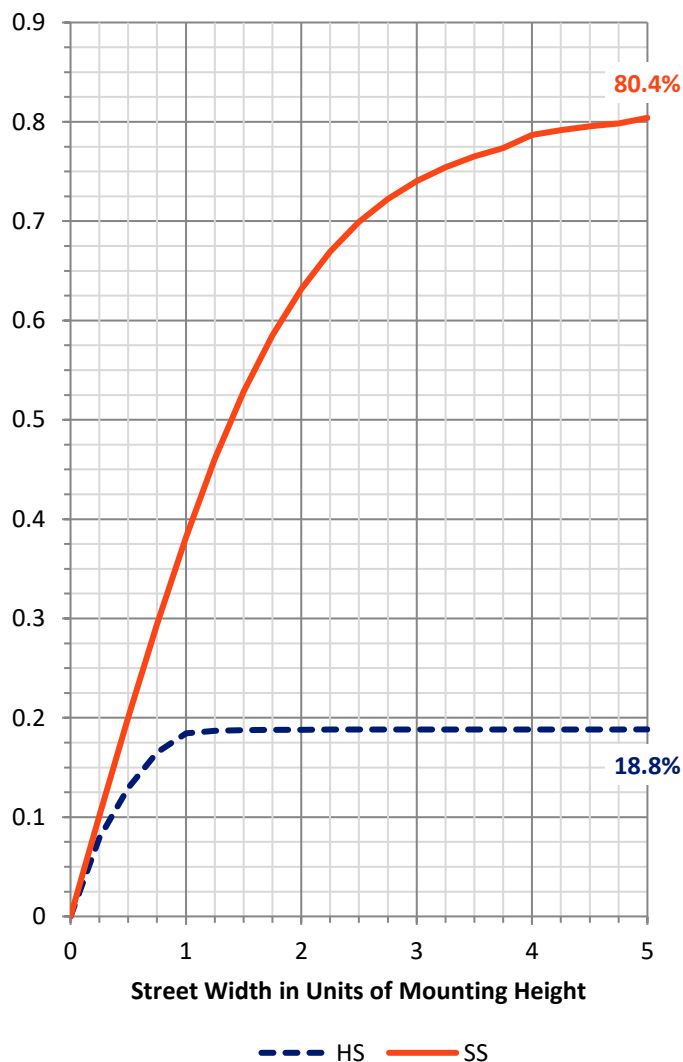
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.9	2.1	1106.0
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4709.8	13.2	4723.0
	% Fixture	80.8	0.2	81.0
Total	Lumens	5813.7	15.3	5829.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.4
10°-20°	214.0	3.7
20°-30°	367.0	6.3
30°-40°	620.4	10.6
40°-50°	827.9	14.2
50°-60°	1051.2	18.0
60°-70°	1472.1	25.3
70°-80°	1066.2	18.3
80°-90°	113.6	1.9
90°-100°	12.7	0.2
100°-110°	1.3	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5813.7	99.7
0°-180°	5829.0	100.0

Coefficient of Utilization



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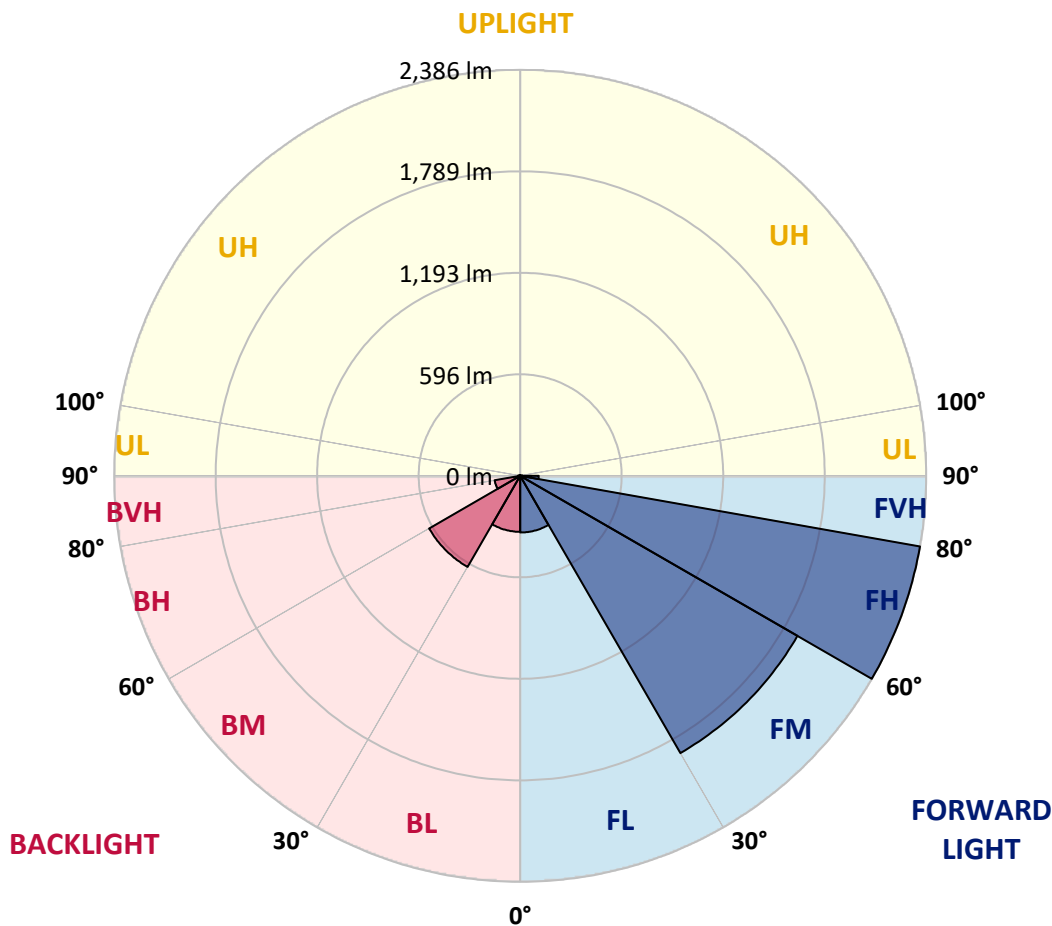
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.2	5.7			
FM (30°-60°)	1881.4	32.3			
FH (60°-80°)	2385.8	40.9			G2/5000
FVH (80°-90°)	109.4	1.9			G2/225
BL (0°-30°)	329.1	5.6	B1/500		
BM (30°-60°)	618.1	10.6	B1/1000		
BH (60°-80°)	152.4	2.6	B1/500		G1/500
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	12.7	0.2		U2/50	
UH (100°-180°)	2.6	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5
2.5°	886.2	889.1	889.1	889.1	892.0	889.1	889.1	889.1	889.1	892.0	892.0
5°	862.9	862.9	862.9	865.8	865.8	862.9	860.0	862.9	862.9	865.8	865.8
7.5°	833.7	833.7	833.7	836.7	833.7	827.9	822.1	825.0	822.1	825.0	827.9
10°	798.8	801.7	801.7	798.8	795.8	787.1	778.3	781.3	778.3	781.3	781.3
12.5°	775.4	778.3	778.3	775.4	766.7	760.9	755.0	749.2	746.3	752.1	749.2
15°	763.8	766.7	766.7	763.8	757.9	752.1	740.5	737.5	731.7	728.8	731.7
17.5°	760.9	760.9	760.9	757.9	752.1	743.4	737.5	731.7	728.8	728.8	725.9
20°	763.8	769.6	766.7	763.8	757.9	752.1	743.4	734.6	734.6	734.6	731.7
22.5°	787.1	787.1	784.2	784.2	778.3	769.6	760.9	755.0	749.2	749.2	749.2
25°	810.4	813.3	813.3	810.4	801.7	790.0	787.1	778.3	775.4	772.5	769.6
27.5°	848.3	845.4	848.3	848.3	836.7	830.8	822.1	816.2	813.3	807.5	804.6
30°	892.0	892.0	892.0	892.0	883.3	871.6	865.8	857.1	848.3	848.3	842.5
32.5°	950.3	953.3	953.3	950.3	941.6	929.9	924.1	912.4	909.5	903.7	897.9
35°	1032.0	1032.0	1032.0	1026.1	1014.5	1005.7	999.9	991.2	988.2	979.5	964.9
37.5°	1122.3	1122.3	1128.2	1122.3	1110.7	1099.0	1090.3	1084.4	1075.7	1069.9	1061.1
40°	1227.3	1227.3	1230.2	1221.5	1209.8	1204.0	1195.2	1183.6	1177.7	1174.8	1157.3
42.5°	1349.7	1355.5	1355.5	1346.8	1338.1	1329.3	1317.7	1308.9	1303.1	1291.4	1268.1
45°	1498.4	1495.5	1501.3	1492.6	1486.7	1483.8	1466.3	1445.9	1448.8	1422.6	1396.4
47.5°	1673.3	1676.2	1673.3	1664.6	1658.7	1655.8	1638.3	1612.1	1600.4	1580.0	1530.5
50°	1851.1	1854.0	1851.1	1845.3	1851.1	1833.6	1813.2	1789.9	1787.0	1760.8	1685.0
52.5°	2046.4	2037.7	2034.8	2031.9	2026.0	2017.3	1996.9	1970.6	1973.6	1944.4	1824.9
55°	2241.8	2233.0	2218.4	2212.6	2206.8	2192.2	2174.7	2166.0	2163.0	2133.9	1973.6
57.5°	2428.3	2413.8	2393.3	2390.4	2381.7	2361.3	2352.5	2338.0	2338.0	2305.9	2081.4
60°	2606.2	2588.7	2565.3	2553.7	2539.1	2521.6	2518.7	2510.0	2512.9	2495.4	2198.0
62.5°	2769.4	2754.8	2725.7	2708.2	2684.9	2670.3	2673.2	2667.4	2679.0	2667.4	2300.1
65°	2967.6	2950.1	2915.2	2877.3	2845.2	2821.9	2813.1	2830.6	2880.2	2891.8	2437.1
67.5°	3093.0	3078.4	3025.9	2979.3	2935.6	2903.5	2912.2	2906.4	2932.7	2979.3	2460.4
70°	2856.9	2851.0	2798.6	2769.4	2737.3	2705.3	2708.2	2699.4	2719.8	2731.5	2256.3
72.5°	2492.5	2521.6	2454.6	2451.6	2431.2	2434.2	2402.1	2425.4	2410.8	2410.8	1996.9
75°	2084.3	2023.1	2002.7	2052.3	2023.1	2026.0	2020.2	2046.4	2043.5	2046.4	1737.4
77.5°	1367.2	1378.9	1352.6	1405.1	1431.3	1475.1	1495.5	1565.4	1539.2	1533.4	1376.0
80°	612.2	626.8	629.7	679.2	711.3	755.0	740.5	790.0	757.9	705.5	673.4
82.5°	137.0	137.0	154.5	198.2	209.9	218.6	218.6	227.4	180.7	110.8	90.4
85°	93.3	90.4	122.4	166.2	174.9	169.1	163.2	151.6	104.9	32.1	26.2
87.5°	61.2	64.1	99.1	137.0	142.8	134.1	125.4	113.7	75.8	8.7	5.8
90°	40.8	46.6	75.8	104.9	104.9	99.1	90.4	75.8	46.6	2.9	2.9
92.5°	20.4	23.3	37.9	46.6	43.7	37.9	35.0	29.2	17.5	2.9	2.9
95°	11.7	11.7	17.5	17.5	17.5	14.6	14.6	11.7	5.8	2.9	2.9
97.5°	8.7	8.7	11.7	11.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9
100°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
105°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
107.5°	0.0	0.0	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	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	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9
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	2.9	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	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9
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	2.9	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9
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°	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5	909.5
2.5°	895.0	897.9	900.8	906.6	906.6	915.4	918.3	921.2	924.1	924.1
5°	871.6	874.5	883.3	889.1	897.9	903.7	912.4	915.4	918.3	921.2
7.5°	827.9	833.7	842.5	845.4	857.1	865.8	874.5	883.3	886.2	892.0
10°	784.2	787.1	790.0	798.8	804.6	816.2	827.9	833.7	839.6	839.6
12.5°	752.1	755.0	757.9	760.9	769.6	775.4	787.1	792.9	795.8	801.7
15°	731.7	731.7	737.5	737.5	743.4	752.1	757.9	766.7	769.6	775.4
17.5°	725.9	725.9	728.8	731.7	737.5	740.5	746.3	755.0	757.9	760.9
20°	728.8	731.7	731.7	734.6	740.5	743.4	749.2	752.1	755.0	757.9
22.5°	743.4	740.5	743.4	743.4	746.3	752.1	757.9	763.8	766.7	766.7
25°	763.8	760.9	760.9	766.7	769.6	772.5	781.3	784.2	787.1	787.1
27.5°	798.8	795.8	798.8	798.8	801.7	801.7	810.4	810.4	813.3	816.2
30°	833.7	825.0	825.0	825.0	827.9	833.7	836.7	842.5	845.4	845.4
32.5°	886.2	868.7	865.8	868.7	868.7	871.6	880.4	877.5	883.3	880.4
35°	953.3	935.8	929.9	929.9	929.9	929.9	938.7	932.9	938.7	935.8
37.5°	1034.9	1011.6	1008.6	1008.6	1002.8	1005.7	1008.6	1002.8	999.9	1002.8
40°	1122.3	1081.5	1078.6	1081.5	1081.5	1081.5	1081.5	1078.6	1075.7	1078.6
42.5°	1081.5	918.3	938.7	967.8	997.0	1032.0	1040.7	1064.0	1066.9	1066.9
45°	944.5	530.6	559.7	603.4	620.9	632.6	664.7	714.2	728.8	731.7
47.5°	833.7	177.8	189.5	207.0	236.1	250.7	253.6	288.6	303.2	274.0
50°	825.0	40.8	29.2	29.2	32.1	26.2	26.2	29.2	29.2	29.2
52.5°	900.8	37.9	26.2	23.3	23.3	23.3	20.4	23.3	23.3	23.3
55°	979.5	37.9	26.2	23.3	23.3	23.3	20.4	20.4	20.4	20.4
57.5°	1043.6	37.9	26.2	23.3	23.3	20.4	17.5	17.5	17.5	17.5
60°	1119.4	37.9	26.2	23.3	23.3	17.5	14.6	14.6	14.6	14.6
62.5°	1183.6	40.8	26.2	23.3	20.4	14.6	14.6	14.6	14.6	14.6
65°	1276.8	40.8	26.2	20.4	14.6	11.7	11.7	11.7	11.7	11.7
67.5°	1320.6	40.8	23.3	17.5	11.7	8.7	8.7	8.7	8.7	8.7
70°	1189.4	32.1	17.5	11.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	1017.4	23.3	11.7	8.7	5.8	5.8	5.8	5.8	5.8	2.9
75°	810.4	14.6	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
77.5°	568.5	11.7	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
80°	236.1	8.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.0	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.7	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	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°	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)