

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: P691826

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6921 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

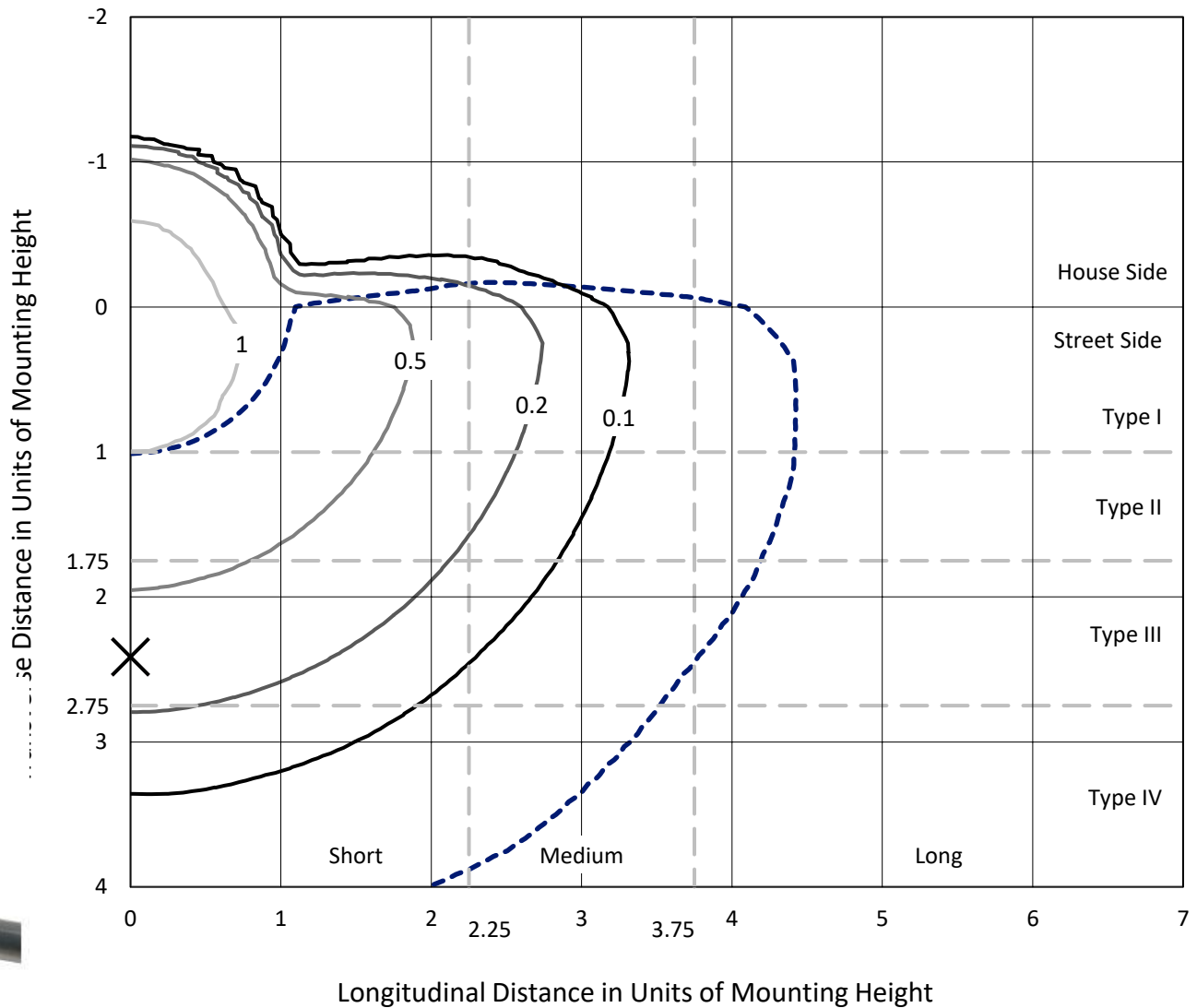
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

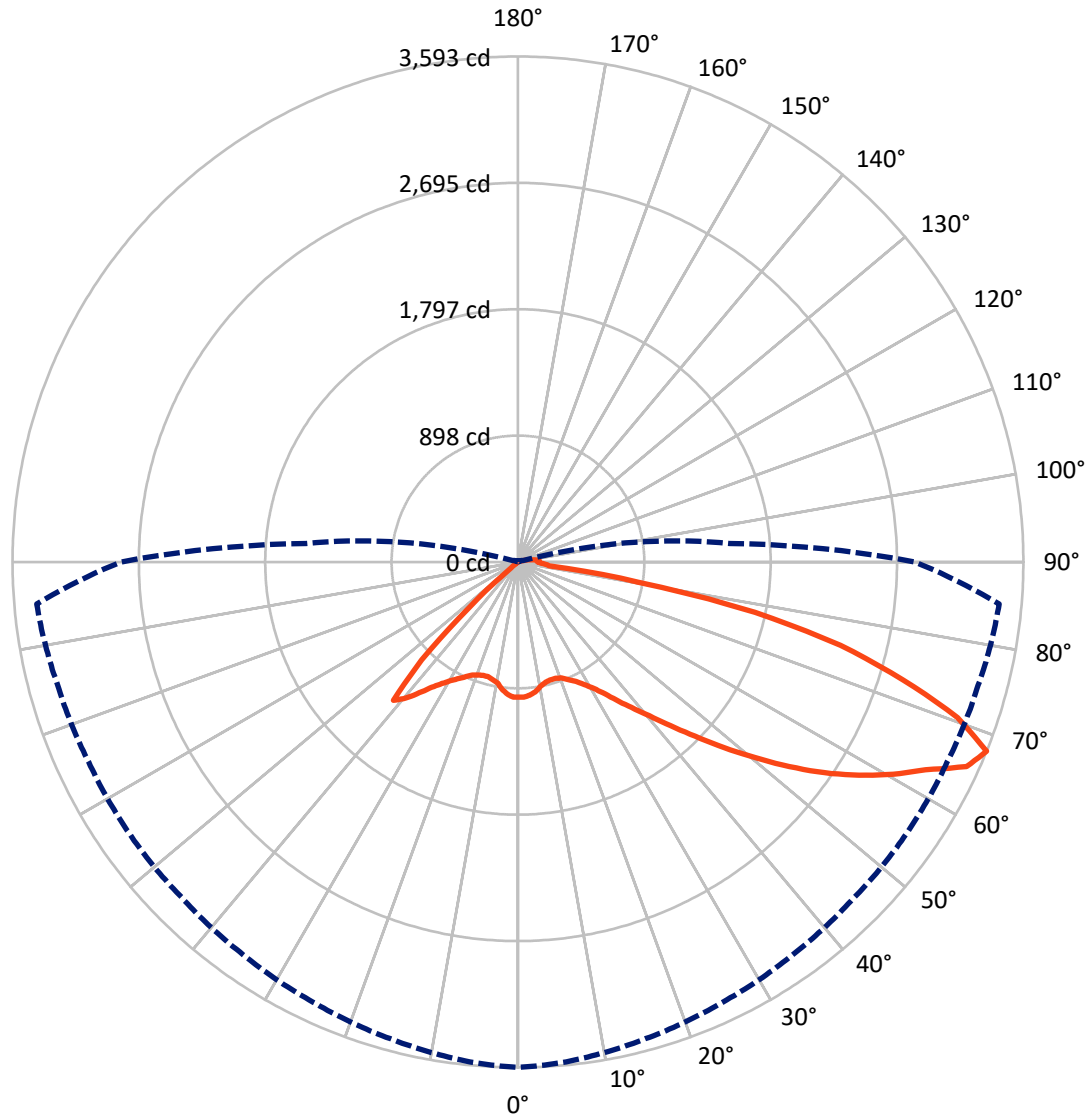
× Max cd
 - - - 1/2 Max cd



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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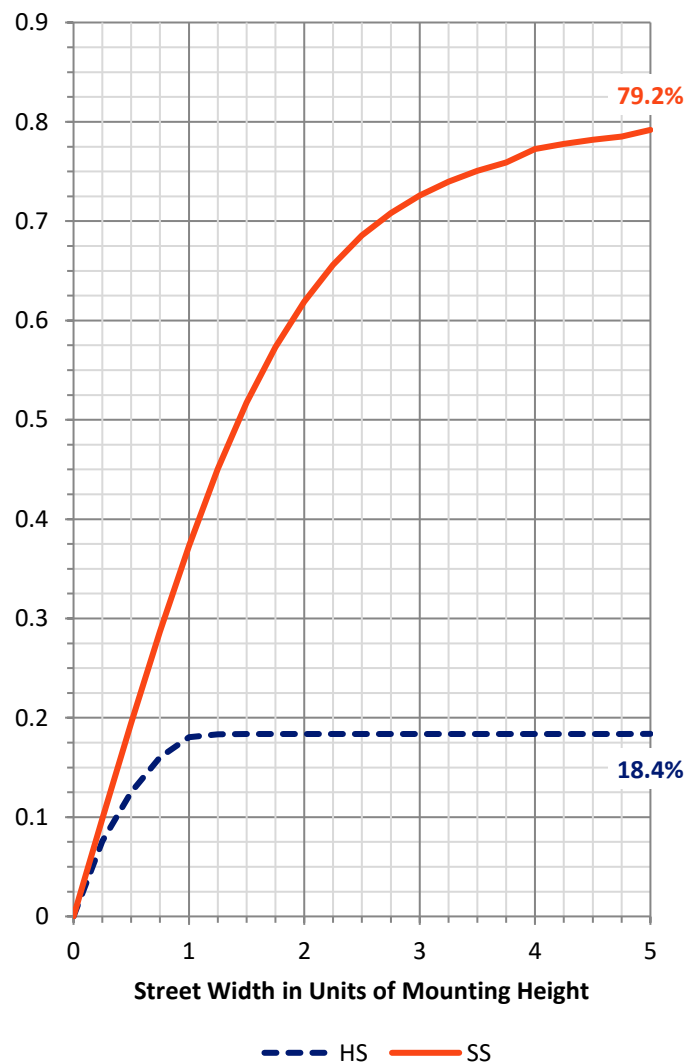
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1280.1	5.2	1285.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5539.6	96.2	5635.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	6819.7	101.3	6921.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.3
10°-20°	239.1	3.5
20°-30°	421.1	6.1
30°-40°	719.9	10.4
40°-50°	989.3	14.3
50°-60°	1222.7	17.7
60°-70°	1708.8	24.7
70°-80°	1248.2	18.0
80°-90°	183.3	2.6
90°-100°	80.8	1.2
100°-110°	18.5	0.3
110°-120°	1.1	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6819.7	98.5
0°-180°	6921.0	100.0

Coefficient of Utilization



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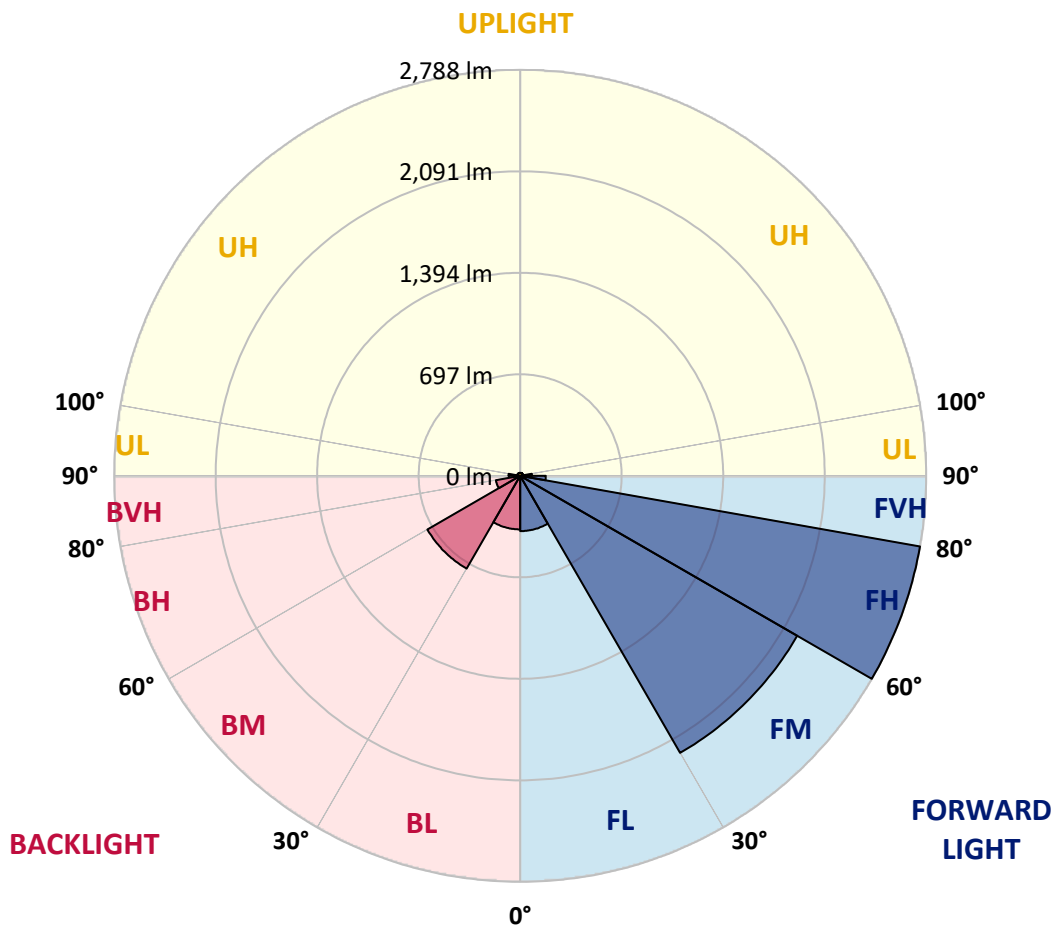
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.6	5.5			
FM (30°-60°)	2196.4	31.7			
FH (60°-80°)	2787.6	40.3			G2/5000
FVH (80°-90°)	176.1	2.5			G2/225
BL (0°-30°)	368.0	5.3	B1/500		
BM (30°-60°)	735.5	10.6	B1/1000		
BH (60°-80°)	169.4	2.4	B1/500		G1/500
BVH (80°-90°)	7.1	0.1			G0/10
UL (90°-100°)	80.8	1.2		U3/500	
UH (100°-180°)	20.5	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8
2.5°	960.8	960.8	960.8	960.8	964.2	960.8	957.5	950.7	950.7	950.7	950.7
5°	947.3	947.3	950.7	950.7	947.3	943.9	937.2	937.2	933.8	933.8	933.8
7.5°	927.0	927.0	927.0	930.4	923.6	913.5	910.1	906.7	903.3	899.9	896.6
10°	896.6	896.6	896.6	893.2	886.4	876.3	869.5	862.7	862.7	859.3	856.0
12.5°	876.3	876.3	876.3	872.9	862.7	856.0	845.8	839.0	835.7	835.7	832.3
15°	869.5	869.5	869.5	866.1	856.0	849.2	839.0	832.3	825.5	822.1	818.7
17.5°	869.5	869.5	869.5	862.7	859.3	849.2	839.0	832.3	828.9	825.5	822.1
20°	879.6	883.0	879.6	876.3	866.1	859.3	849.2	839.0	835.7	835.7	832.3
22.5°	906.7	903.3	903.3	899.9	889.8	879.6	872.9	866.1	859.3	859.3	856.0
25°	937.2	940.5	940.5	933.8	927.0	916.9	906.7	896.6	893.2	889.8	886.4
27.5°	981.1	981.1	984.5	977.8	967.6	960.8	950.7	943.9	937.2	930.4	927.0
30°	1035.3	1038.6	1038.6	1031.9	1021.7	1008.2	1001.4	991.3	981.1	981.1	971.0
32.5°	1106.3	1113.1	1109.7	1102.9	1092.8	1079.2	1072.5	1062.3	1055.6	1045.4	1038.6
35°	1204.4	1207.8	1204.4	1197.7	1180.7	1167.2	1160.4	1153.7	1146.9	1133.4	1119.8
37.5°	1312.7	1316.1	1319.5	1312.7	1292.4	1272.1	1265.3	1255.2	1251.8	1234.9	1228.1
40°	1437.9	1444.6	1441.3	1431.1	1414.2	1393.9	1390.5	1380.4	1370.2	1360.1	1343.1
42.5°	1590.1	1590.1	1586.7	1580.0	1566.4	1542.7	1536.0	1525.8	1519.1	1498.8	1471.7
45°	1766.0	1769.4	1759.3	1749.1	1745.7	1725.4	1708.5	1698.4	1678.1	1654.4	1623.9
47.5°	1972.4	1969.0	1955.5	1945.4	1942.0	1925.1	1911.5	1891.2	1864.2	1837.1	1779.6
50°	2185.6	2185.6	2161.9	2151.7	2158.5	2134.8	2117.9	2094.2	2067.1	2040.1	1955.5
52.5°	2415.6	2405.5	2381.8	2385.2	2375.0	2351.3	2331.0	2314.1	2287.1	2263.4	2128.0
55°	2645.7	2632.1	2594.9	2598.3	2581.4	2554.3	2540.8	2520.5	2513.7	2486.7	2293.8
57.5°	2858.8	2841.9	2801.3	2797.9	2784.4	2753.9	2747.2	2723.5	2706.6	2693.0	2419.0
60°	3065.2	3048.3	3011.1	2997.5	2970.5	2940.0	2943.4	2929.9	2919.7	2906.2	2557.7
62.5°	3251.3	3231.0	3197.1	3170.1	3132.9	3105.8	3109.2	3102.4	3109.2	3105.8	2676.1
65°	3505.0	3484.7	3434.0	3386.6	3332.5	3291.9	3288.5	3298.6	3369.7	3376.5	2858.8
67.5°	3593.0	3572.7	3508.4	3450.9	3406.9	3376.5	3369.7	3366.3	3386.6	3434.0	2821.6
70°	3315.6	3302.0	3241.1	3200.5	3156.5	3136.2	3115.9	3126.1	3146.4	3143.0	2588.2
72.5°	2862.2	2936.6	2858.8	2821.6	2811.5	2757.3	2770.9	2760.7	2774.2	2770.9	2300.6
75°	2368.3	2348.0	2331.0	2395.3	2348.0	2307.4	2331.0	2354.7	2378.4	2351.3	2016.4
77.5°	1722.1	1735.6	1728.8	1752.5	1796.5	1776.2	1762.7	1820.2	1830.3	1739.0	1566.4
80°	866.1	920.2	937.2	977.8	1001.4	957.5	920.2	1001.4	987.9	883.0	795.1
82.5°	226.7	230.1	263.9	311.3	318.0	311.3	318.0	311.3	270.7	172.5	145.5
85°	189.5	189.5	233.4	284.2	294.3	280.8	280.8	263.9	209.8	108.3	88.0
87.5°	155.6	162.4	209.8	257.1	263.9	250.4	247.0	226.7	182.7	94.7	74.4
90°	138.7	145.5	189.5	230.1	233.4	219.9	216.5	203.0	165.8	94.7	74.4
92.5°	152.2	155.6	186.1	209.8	209.8	199.6	196.2	186.1	162.4	118.4	91.3
95°	135.3	138.7	152.2	162.4	159.0	148.9	155.6	145.5	135.3	111.6	84.6
97.5°	111.6	115.0	118.4	118.4	115.0	108.3	115.0	111.6	104.9	91.3	67.7
100°	84.6	84.6	84.6	88.0	84.6	81.2	84.6	77.8	74.4	64.3	47.4
102.5°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	50.7	47.4	40.6	27.1
105°	33.8	33.8	30.4	33.8	33.8	30.4	30.4	27.1	20.3	16.9	10.1
107.5°	13.5	13.5	10.1	10.1	10.1	10.1	6.8	3.4	3.4	3.4	3.4
110°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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	3.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4
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	3.4	3.4	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
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°	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8	960.8
2.5°	950.7	950.7	950.7	950.7	950.7	950.7	954.1	957.5	960.8	960.8
5°	933.8	933.8	933.8	930.4	933.8	937.2	940.5	940.5	943.9	943.9
7.5°	899.9	896.6	896.6	896.6	899.9	906.7	906.7	910.1	913.5	913.5
10°	856.0	856.0	856.0	856.0	859.3	866.1	866.1	872.9	872.9	872.9
12.5°	832.3	832.3	828.9	825.5	832.3	832.3	842.4	845.8	849.2	856.0
15°	818.7	815.4	818.7	818.7	822.1	825.5	828.9	835.7	839.0	842.4
17.5°	818.7	818.7	818.7	822.1	825.5	825.5	828.9	835.7	839.0	842.4
20°	832.3	832.3	828.9	828.9	832.3	832.3	839.0	845.8	849.2	852.6
22.5°	852.6	849.2	849.2	845.8	849.2	852.6	859.3	866.1	866.1	866.1
25°	879.6	876.3	876.3	876.3	883.0	883.0	889.8	896.6	896.6	896.6
27.5°	923.6	916.9	913.5	913.5	913.5	916.9	923.6	927.0	930.4	930.4
30°	960.8	954.1	950.7	947.3	950.7	954.1	960.8	967.6	967.6	967.6
32.5°	1028.5	1011.6	1001.4	1004.8	1004.8	1008.2	1015.0	1015.0	1018.3	1018.3
35°	1106.3	1089.4	1072.5	1075.9	1075.9	1079.2	1079.2	1079.2	1086.0	1079.2
37.5°	1204.4	1177.4	1163.8	1167.2	1160.4	1160.4	1160.4	1160.4	1157.1	1163.8
40°	1309.3	1268.7	1255.2	1258.6	1255.2	1251.8	1251.8	1255.2	1251.8	1255.2
42.5°	1292.4	1123.2	1163.8	1211.2	1245.0	1268.7	1295.8	1309.3	1309.3	1322.8
45°	1130.0	666.5	713.9	778.1	832.3	889.8	916.9	937.2	950.7	977.8
47.5°	981.1	240.2	274.0	318.0	375.5	375.5	422.9	443.2	450.0	473.7
50°	954.1	37.2	30.4	33.8	37.2	40.6	44.0	54.1	54.1	67.7
52.5°	1038.6	33.8	20.3	13.5	13.5	10.1	6.8	6.8	6.8	10.1
55°	1133.4	37.2	20.3	13.5	10.1	10.1	3.4	3.4	3.4	3.4
57.5°	1214.6	33.8	16.9	13.5	10.1	6.8	0.0	0.0	0.0	0.0
60°	1302.5	37.2	20.3	13.5	10.1	6.8	0.0	0.0	0.0	0.0
62.5°	1380.4	37.2	20.3	13.5	10.1	3.4	0.0	0.0	0.0	0.0
65°	1492.0	40.6	20.3	13.5	6.8	0.0	0.0	0.0	0.0	0.0
67.5°	1512.3	40.6	20.3	10.1	3.4	0.0	0.0	0.0	0.0	0.0
70°	1349.9	33.8	13.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0
72.5°	1160.4	20.3	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	933.8	16.9	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	625.9	13.5	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	280.8	10.1	3.4	3.4	0.0	0.0	3.4	3.4	0.0	0.0
82.5°	60.9	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.6	6.8	3.4	3.4	0.0	0.0	3.4	3.4	0.0	0.0
87.5°	37.2	3.4	3.4	3.4	0.0	0.0	0.0	3.4	0.0	0.0
90°	37.2	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	44.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	40.6	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	30.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	20.3	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	10.1	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	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°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.4	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°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.4	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°	3.4	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°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.4	3.4	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	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.4	3.4	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)