

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: P691823

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691823
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-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6687 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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



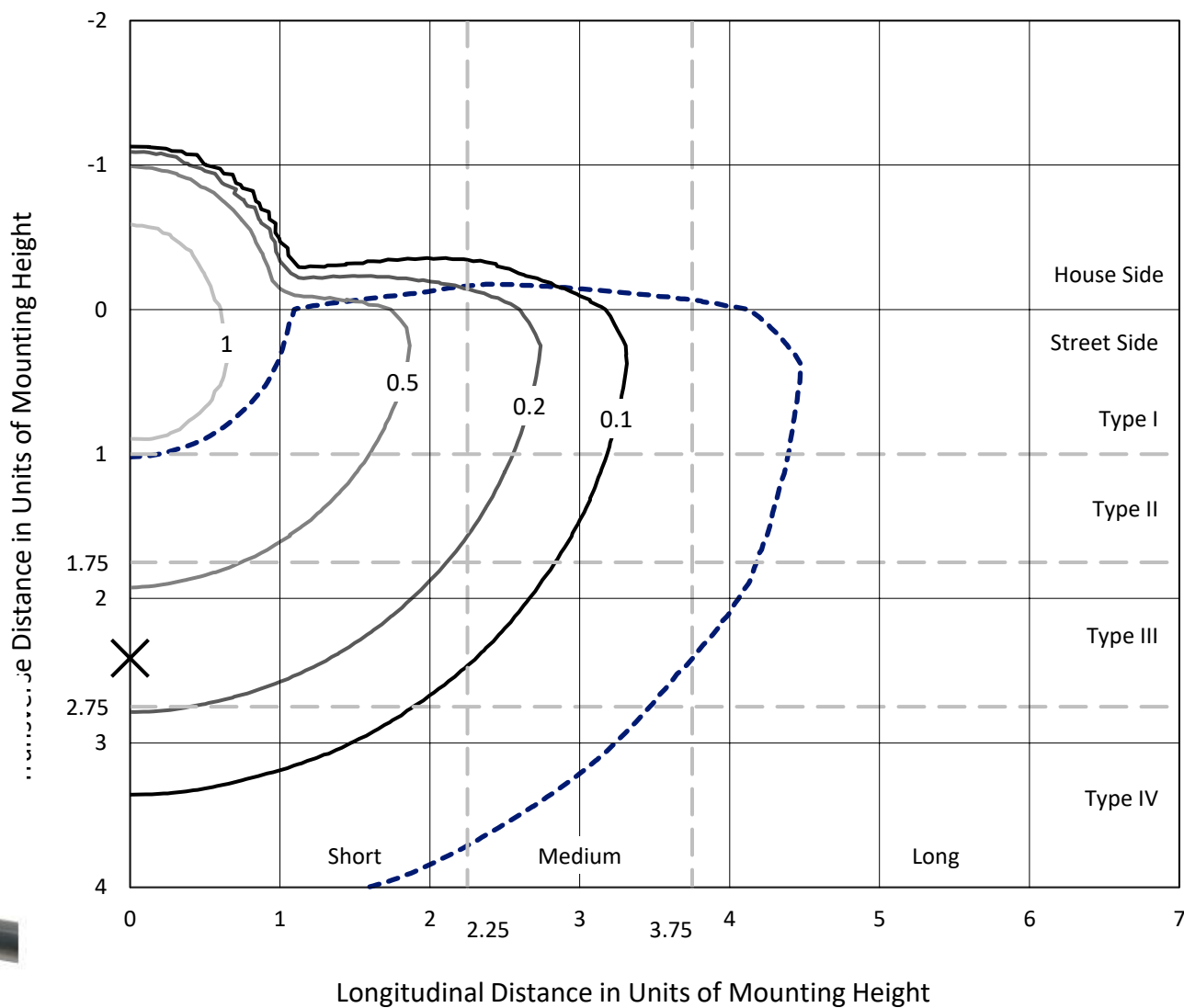
REPORT NUMBER: P691823

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

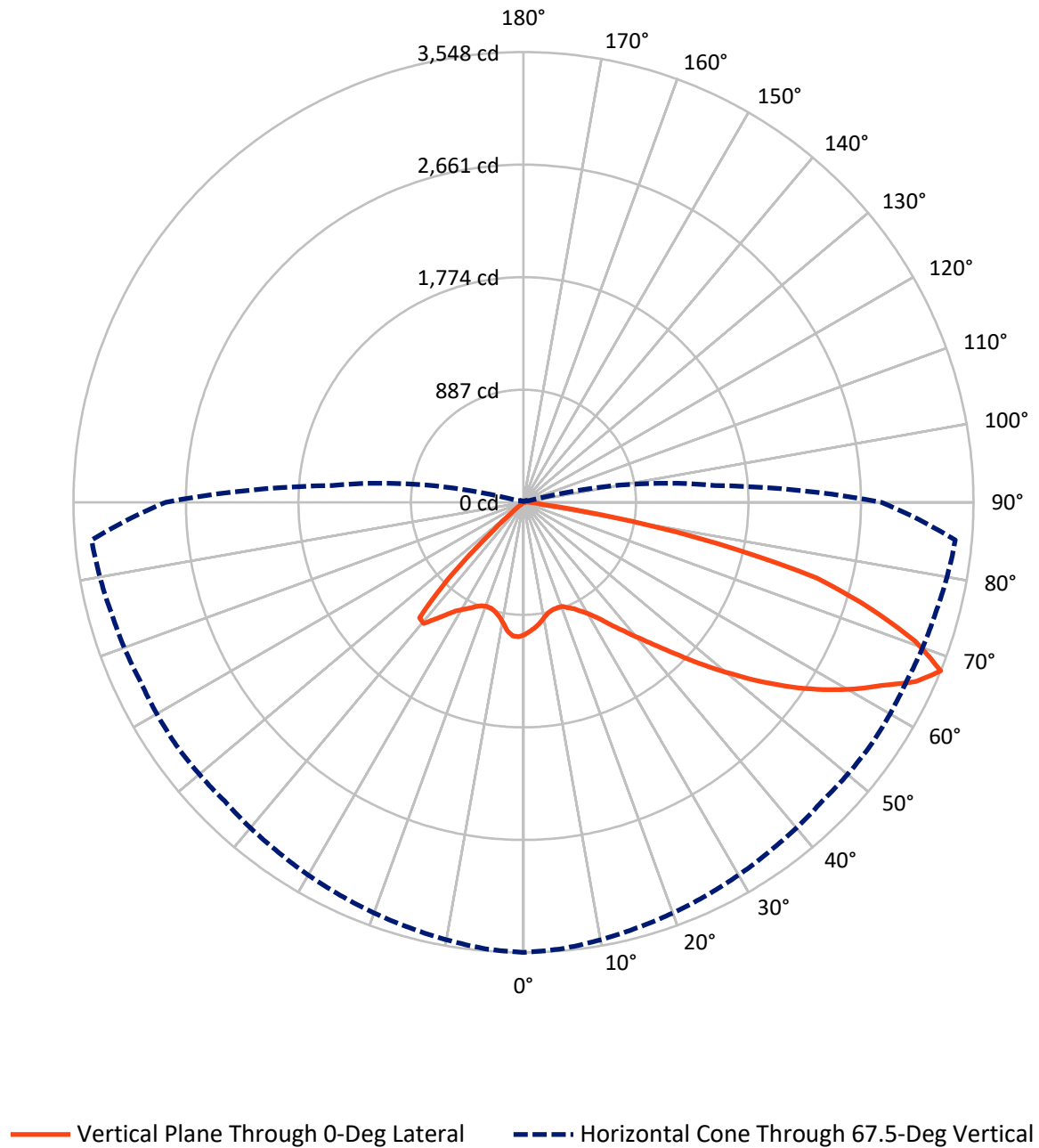


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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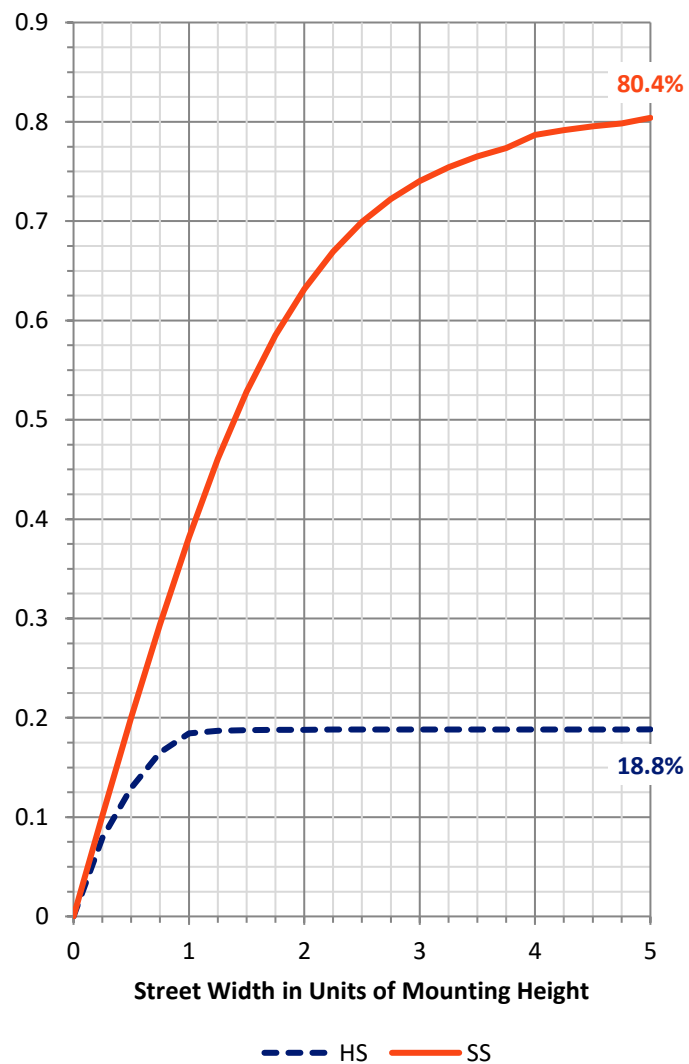
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.4	2.3	1268.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	5403.0	15.2	5418.2
	% Fixture	80.8	0.2	81.0
Total	Lumens	6669.4	17.5	6687.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.4
10°-20°	245.5	3.7
20°-30°	421.0	6.3
30°-40°	711.8	10.6
40°-50°	949.8	14.2
50°-60°	1205.9	18.0
60°-70°	1688.8	25.3
70°-80°	1223.1	18.3
80°-90°	130.3	1.9
90°-100°	14.6	0.2
100°-110°	1.5	0.0
110°-120°	0.6	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°	6669.4	99.7
0°-180°	6687.0	100.0

Coefficient of Utilization



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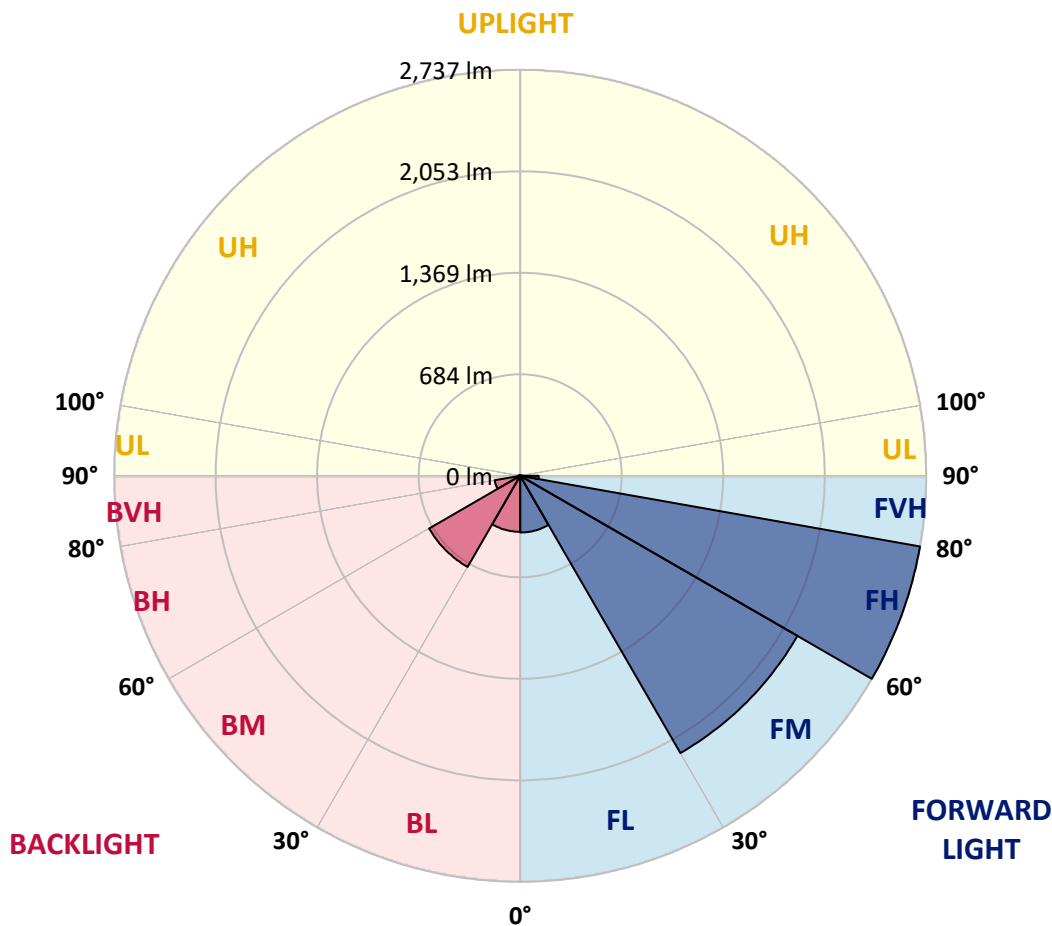
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.2	5.7			
FM	(30°-60°)	2158.3	32.3			
FH	(60°-80°)	2737.0	40.9			G2/5000
FVH	(80°-90°)	125.5	1.9			G2/225
BL	(0°-30°)	377.5	5.6	B1/500		
BM	(30°-60°)	709.1	10.6	B1/1000		
BH	(60°-80°)	174.9	2.6	B1/500		G1/500
BVH	(80°-90°)	4.9	0.1			G0/10
UL	(90°-100°)	14.6	0.2		U2/50	
UH	(100°-180°)	2.9	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4
2.5°	1016.7	1020.0	1020.0	1020.0	1023.3	1020.0	1020.0	1020.0	1020.0	1023.3	1023.3
5°	989.9	989.9	989.9	993.2	993.2	989.9	986.6	989.9	989.9	993.2	993.2
7.5°	956.5	956.5	956.5	959.8	956.5	949.8	943.1	946.4	943.1	946.4	949.8
10°	916.3	919.7	919.7	916.3	913.0	902.9	892.9	896.3	892.9	896.3	896.3
12.5°	889.6	892.9	892.9	889.6	879.5	872.9	866.2	859.5	856.1	862.8	859.5
15°	876.2	879.5	879.5	876.2	869.5	862.8	849.4	846.1	839.4	836.1	839.4
17.5°	872.9	872.9	872.9	869.5	862.8	852.8	846.1	839.4	836.1	836.1	832.7
20°	876.2	882.9	879.5	876.2	869.5	862.8	852.8	842.8	842.8	842.8	839.4
22.5°	902.9	902.9	899.6	899.6	892.9	882.9	872.9	866.2	859.5	859.5	859.5
25°	929.7	933.0	933.0	929.7	919.7	906.3	902.9	892.9	889.6	886.2	882.9
27.5°	973.2	969.8	973.2	973.2	959.8	953.1	943.1	936.4	933.0	926.4	923.0
30°	1023.3	1023.3	1023.3	1023.3	1013.3	999.9	993.2	983.2	973.2	973.2	966.5
32.5°	1090.2	1093.6	1093.6	1090.2	1080.2	1066.8	1060.1	1046.8	1043.4	1036.7	1030.0
35°	1183.9	1183.9	1183.9	1177.2	1163.8	1153.8	1147.1	1137.0	1133.7	1123.7	1106.9
37.5°	1287.5	1287.5	1294.2	1287.5	1274.2	1260.8	1250.8	1244.1	1234.0	1227.3	1217.3
40°	1407.9	1407.9	1411.3	1401.2	1387.9	1381.2	1371.1	1357.8	1351.1	1347.7	1327.7
42.5°	1548.4	1555.1	1555.1	1545.0	1535.0	1525.0	1511.6	1501.6	1494.9	1481.5	1454.8
45°	1718.9	1715.6	1722.3	1712.3	1705.6	1702.2	1682.2	1658.8	1662.1	1632.0	1601.9
47.5°	1919.6	1922.9	1919.6	1909.6	1902.9	1899.5	1879.5	1849.4	1836.0	1812.6	1755.7
50°	2123.6	2126.9	2123.6	2116.9	2123.6	2103.5	2080.1	2053.4	2050.0	2019.9	1933.0
52.5°	2347.7	2337.6	2334.3	2330.9	2324.3	2314.2	2290.8	2260.7	2264.1	2230.6	2093.5
55°	2571.7	2561.7	2545.0	2538.3	2531.6	2514.9	2494.8	2484.8	2481.4	2448.0	2264.1
57.5°	2785.8	2769.0	2745.6	2742.3	2732.3	2708.8	2698.8	2682.1	2682.1	2645.3	2387.8
60°	2989.8	2969.7	2942.9	2929.6	2912.8	2892.8	2889.4	2879.4	2882.7	2862.7	2521.6
62.5°	3177.0	3160.3	3126.9	3106.8	3080.1	3063.3	3066.7	3060.0	3073.4	3060.0	2638.6
65°	3404.5	3384.4	3344.3	3300.8	3264.0	3237.2	3227.2	3247.3	3304.1	3317.5	2795.8
67.5°	3548.3	3531.5	3471.3	3417.8	3367.7	3330.9	3340.9	3334.2	3364.3	3417.8	2822.6
70°	3277.4	3270.7	3210.5	3177.0	3140.3	3103.5	3106.8	3096.8	3120.2	3133.6	2588.5
72.5°	2859.3	2892.8	2815.9	2812.5	2789.1	2792.5	2755.7	2782.4	2765.7	2765.7	2290.8
75°	2391.1	2320.9	2297.5	2354.4	2320.9	2324.3	2317.6	2347.7	2344.3	2347.7	1993.2
77.5°	1568.5	1581.8	1551.7	1611.9	1642.0	1692.2	1715.6	1795.9	1765.8	1759.1	1578.5
80°	702.3	719.0	722.4	779.2	816.0	866.2	849.4	906.3	869.5	809.3	772.5
82.5°	157.2	157.2	177.2	227.4	240.8	250.8	250.8	260.9	207.3	127.1	103.7
85°	107.0	103.7	140.5	190.6	200.7	194.0	187.3	173.9	120.4	36.8	30.1
87.5°	70.2	73.6	113.7	157.2	163.9	153.8	143.8	130.4	87.0	10.0	6.7
90°	46.8	53.5	87.0	120.4	120.4	113.7	103.7	87.0	53.5	3.3	3.3
92.5°	23.4	26.8	43.5	53.5	50.2	43.5	40.1	33.4	20.1	3.3	3.3
95°	13.4	13.4	20.1	20.1	20.1	16.7	16.7	13.4	6.7	3.3	3.3
97.5°	10.0	10.0	13.4	13.4	10.0	10.0	10.0	6.7	3.3	3.3	3.3
100°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	3.3	3.3	3.3	3.3
102.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
105°	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

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	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3
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	3.3	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	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
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	3.3	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3	3.3	3.3
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°	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4	1043.4
2.5°	1026.7	1030.0	1033.4	1040.1	1040.1	1050.1	1053.4	1056.8	1060.1	1060.1
5°	999.9	1003.3	1013.3	1020.0	1030.0	1036.7	1046.8	1050.1	1053.4	1056.8
7.5°	949.8	956.5	966.5	969.8	983.2	993.2	1003.3	1013.3	1016.7	1023.3
10°	899.6	902.9	906.3	916.3	923.0	936.4	949.8	956.5	963.1	963.1
12.5°	862.8	866.2	869.5	872.9	882.9	889.6	902.9	909.6	913.0	919.7
15°	839.4	839.4	846.1	846.1	852.8	862.8	869.5	879.5	882.9	889.6
17.5°	832.7	832.7	836.1	839.4	846.1	849.4	856.1	866.2	869.5	872.9
20°	836.1	839.4	839.4	842.8	849.4	852.8	859.5	862.8	866.2	869.5
22.5°	852.8	849.4	852.8	852.8	856.1	862.8	869.5	876.2	879.5	879.5
25°	876.2	872.9	872.9	879.5	882.9	886.2	896.3	899.6	902.9	902.9
27.5°	916.3	913.0	916.3	916.3	919.7	919.7	929.7	929.7	933.0	936.4
30°	956.5	946.4	946.4	946.4	949.8	956.5	959.8	966.5	969.8	969.8
32.5°	1016.7	996.6	993.2	996.6	996.6	999.9	1010.0	1006.6	1013.3	1010.0
35°	1093.6	1073.5	1066.8	1066.8	1066.8	1066.8	1076.9	1070.2	1076.9	1073.5
37.5°	1187.2	1160.5	1157.1	1157.1	1150.4	1153.8	1157.1	1150.4	1147.1	1150.4
40°	1287.5	1240.7	1237.4	1240.7	1240.7	1240.7	1240.7	1237.4	1234.0	1237.4
42.5°	1240.7	1053.4	1076.9	1110.3	1143.7	1183.9	1193.9	1220.7	1224.0	1224.0
45°	1083.5	608.7	642.1	692.3	712.3	725.7	762.5	819.3	836.1	839.4
47.5°	956.5	204.0	217.4	237.4	270.9	287.6	291.0	331.1	347.8	314.4
50°	946.4	46.8	33.4	33.4	36.8	30.1	30.1	33.4	33.4	33.4
52.5°	1033.4	43.5	30.1	26.8	26.8	26.8	23.4	26.8	26.8	26.8
55°	1123.7	43.5	30.1	26.8	26.8	26.8	23.4	23.4	23.4	23.4
57.5°	1197.2	43.5	30.1	26.8	26.8	23.4	20.1	20.1	20.1	20.1
60°	1284.2	43.5	30.1	26.8	26.8	20.1	16.7	16.7	16.7	16.7
62.5°	1357.8	46.8	30.1	26.8	23.4	16.7	16.7	16.7	16.7	16.7
65°	1464.8	46.8	30.1	23.4	16.7	13.4	13.4	13.4	13.4	13.4
67.5°	1514.9	46.8	26.8	20.1	13.4	10.0	10.0	10.0	10.0	10.0
70°	1364.5	36.8	20.1	13.4	10.0	10.0	10.0	10.0	10.0	10.0
72.5°	1167.1	26.8	13.4	10.0	6.7	6.7	6.7	6.7	6.7	3.3
75°	929.7	16.7	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0
77.5°	652.1	13.4	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0
80°	270.9	10.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.1	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.4	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	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-7040-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	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°	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	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)