

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: P691819

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691819
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-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6840.9 lumens
Efficiency: N/A
Efficacy: 91.3 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



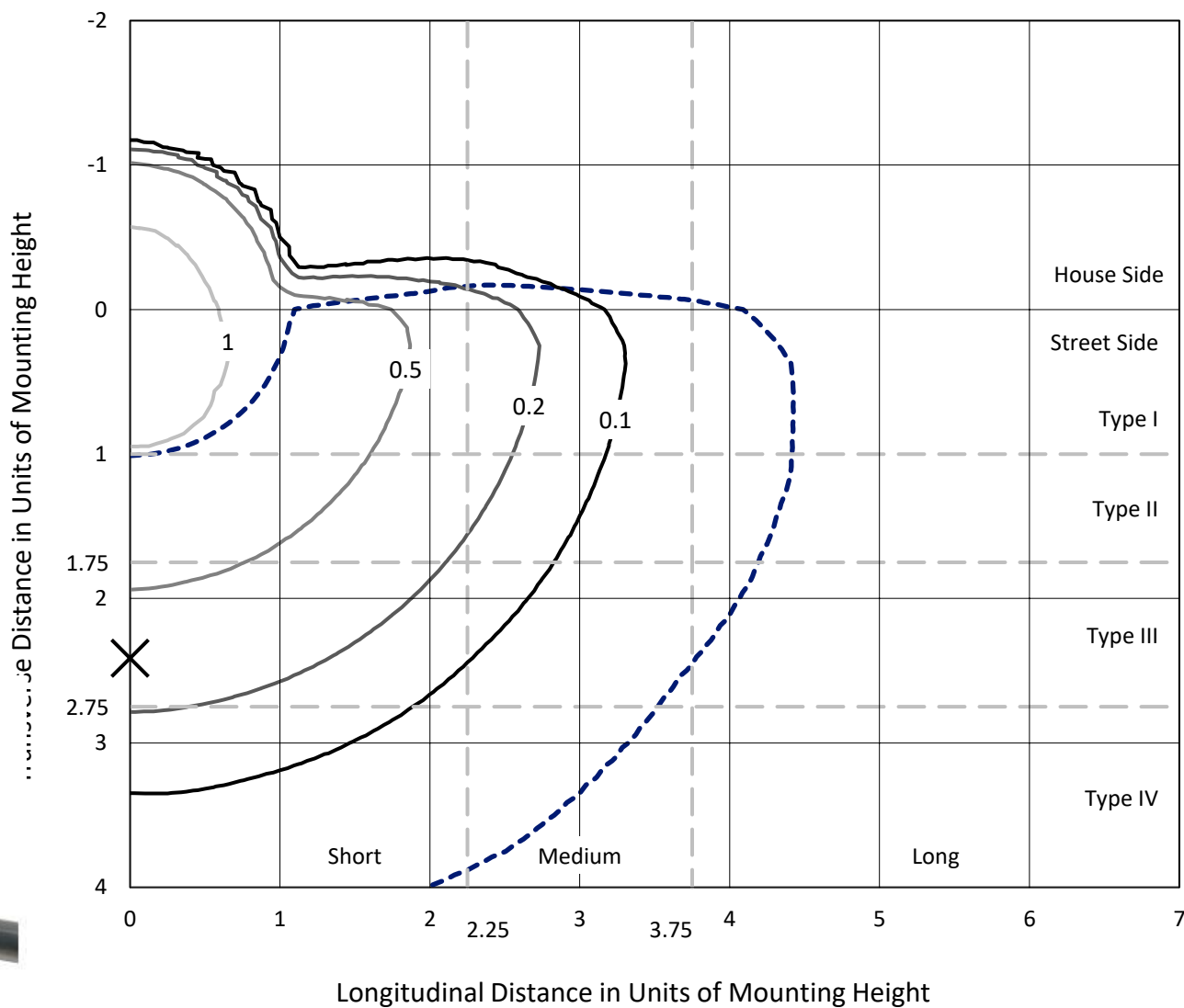
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

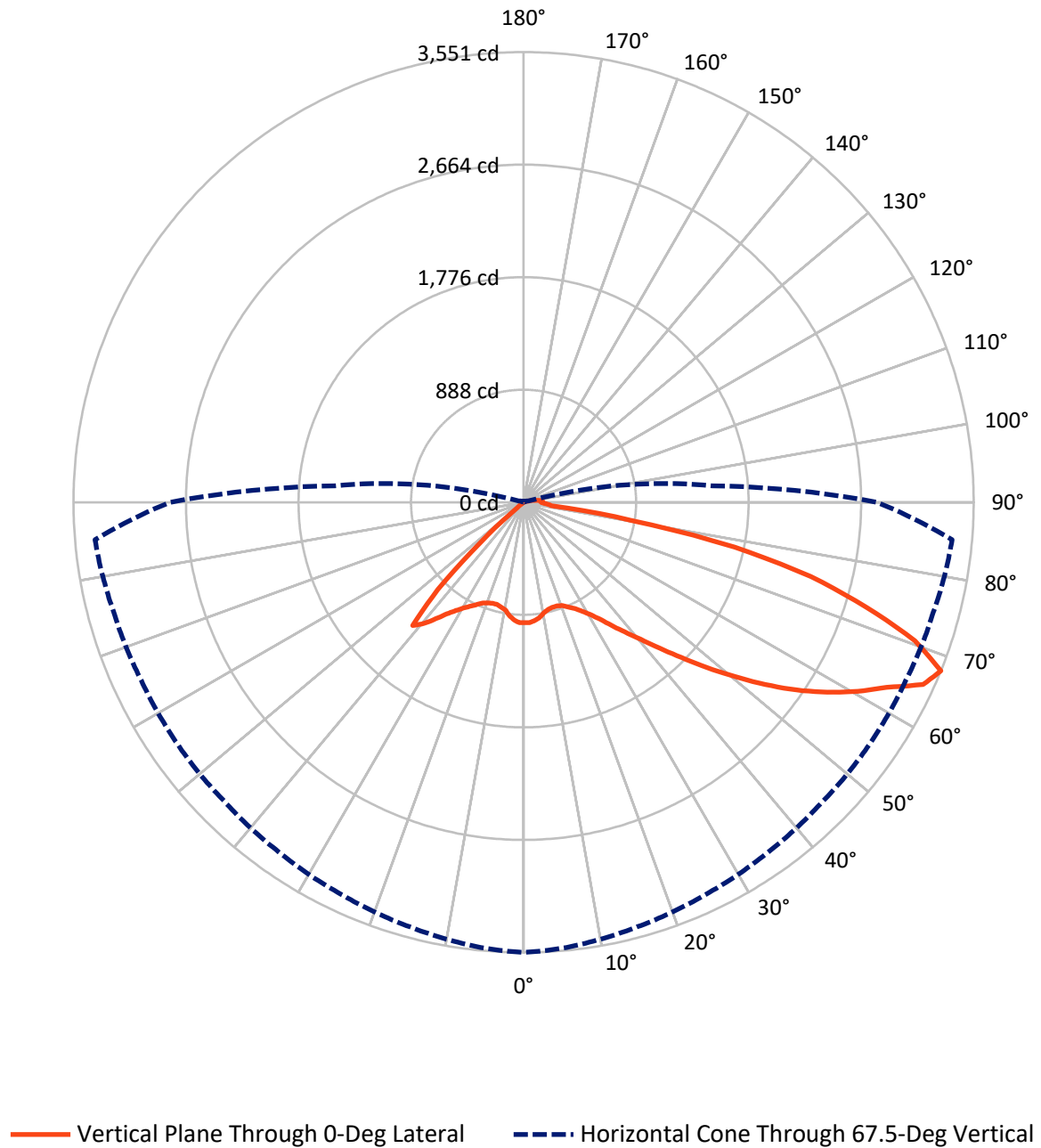


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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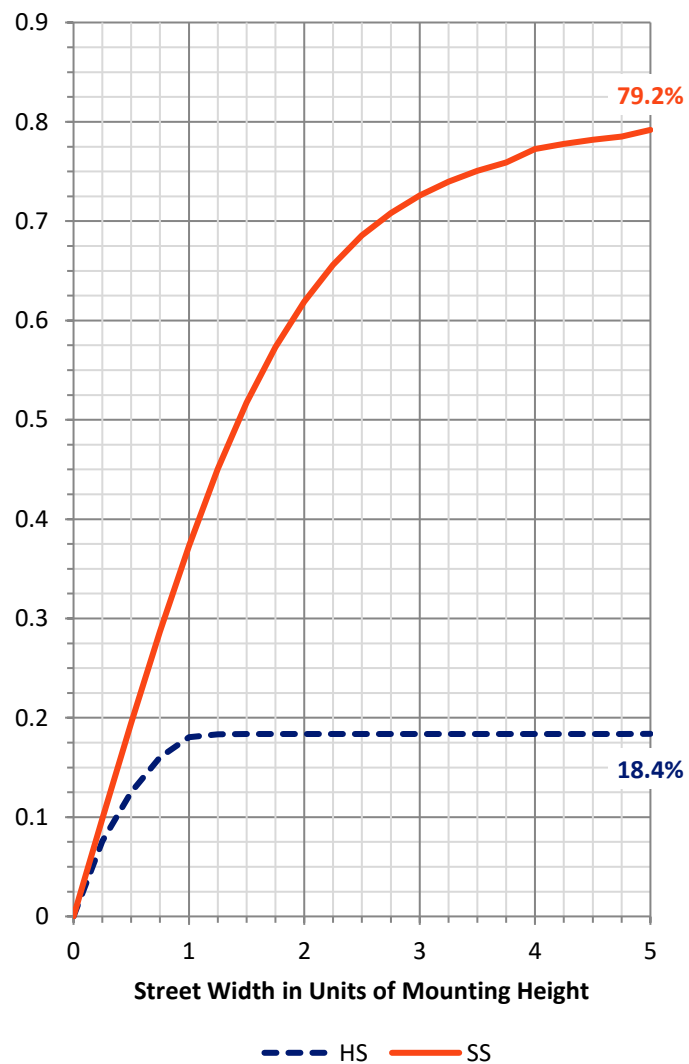
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.2	5.1	1270.3
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5475.6	95.0	5570.6
	% Fixture	80.0	1.4	81.4
Total	Lumens	6740.8	100.1	6840.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.3
10°-20°	236.3	3.5
20°-30°	416.3	6.1
30°-40°	711.6	10.4
40°-50°	977.9	14.3
50°-60°	1208.6	17.7
60°-70°	1689.0	24.7
70°-80°	1233.7	18.0
80°-90°	181.1	2.6
90°-100°	79.8	1.2
100°-110°	18.2	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°	6740.8	98.5
0°-180°	6840.9	100.0

Coefficient of Utilization



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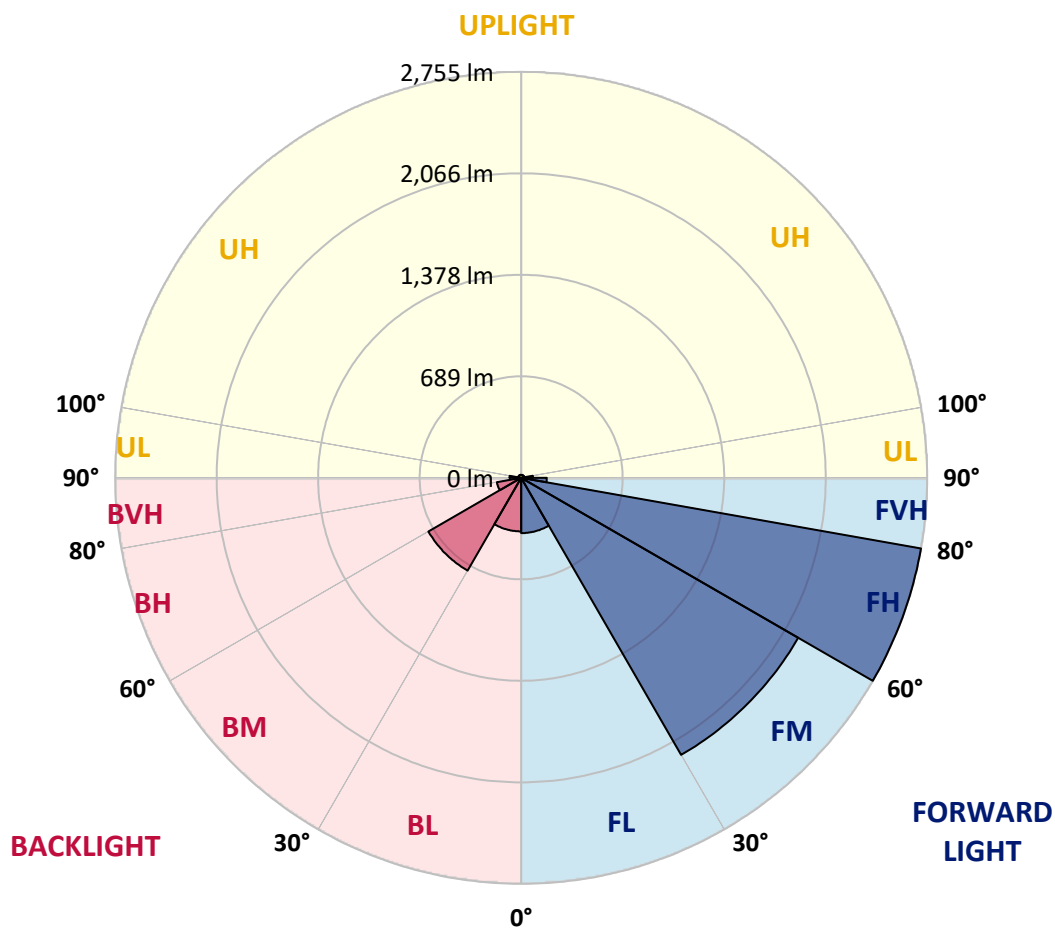
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.2	5.5			
FM	(30°-60°)	2171.0	31.7			
FH	(60°-80°)	2755.3	40.3			G2/5000
FVH	(80°-90°)	174.1	2.5			G2/225
BL	(0°-30°)	363.8	5.3	B1/500		
BM	(30°-60°)	727.0	10.6	B1/1000		
BH	(60°-80°)	167.4	2.4	B1/500		G1/500
BVH	(80°-90°)	7.0	0.1			G0/10
UL	(90°-100°)	79.8	1.2		U3/500	
UH	(100°-180°)	20.2	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7
2.5°	949.7	949.7	949.7	949.7	953.1	949.7	946.4	939.7	939.7	939.7	939.7
5°	936.4	936.4	939.7	939.7	936.4	933.0	926.3	926.3	923.0	923.0	923.0
7.5°	916.3	916.3	916.3	919.6	912.9	902.9	899.6	896.2	892.9	889.5	886.2
10°	886.2	886.2	886.2	882.8	876.2	866.1	859.4	852.7	852.7	849.4	846.1
12.5°	866.1	866.1	866.1	862.8	852.7	846.1	836.0	829.3	826.0	826.0	822.7
15°	859.4	859.4	859.4	856.1	846.1	839.4	829.3	822.7	816.0	812.6	809.3
17.5°	859.4	859.4	859.4	852.7	849.4	839.4	829.3	822.7	819.3	816.0	812.6
20°	869.5	872.8	869.5	866.1	856.1	849.4	839.4	829.3	826.0	826.0	822.7
22.5°	896.2	892.9	892.9	889.5	879.5	869.5	862.8	856.1	849.4	849.4	846.1
25°	926.3	929.7	929.7	923.0	916.3	906.3	896.2	886.2	882.8	879.5	876.2
27.5°	969.8	969.8	973.1	966.4	956.4	949.7	939.7	933.0	926.3	919.6	916.3
30°	1023.3	1026.6	1026.6	1020.0	1009.9	996.5	989.9	979.8	969.8	969.8	959.8
32.5°	1093.5	1100.2	1096.9	1090.2	1080.1	1066.8	1060.1	1050.1	1043.4	1033.3	1026.6
35°	1190.5	1193.8	1190.5	1183.8	1167.1	1153.7	1147.0	1140.3	1133.7	1120.3	1106.9
37.5°	1297.5	1300.9	1304.2	1297.5	1277.5	1257.4	1250.7	1240.7	1237.3	1220.6	1213.9
40°	1421.2	1427.9	1424.6	1414.6	1397.8	1377.8	1374.4	1364.4	1354.4	1344.3	1327.6
42.5°	1571.7	1571.7	1568.4	1561.7	1548.3	1524.9	1518.2	1508.2	1501.5	1481.4	1454.7
45°	1745.6	1749.0	1738.9	1728.9	1725.6	1705.5	1688.8	1678.7	1658.7	1635.3	1605.2
47.5°	1949.6	1946.3	1932.9	1922.9	1919.5	1902.8	1889.4	1869.4	1842.6	1815.9	1759.0
50°	2160.3	2160.3	2136.9	2126.9	2133.5	2110.1	2093.4	2070.0	2043.3	2016.5	1932.9
52.5°	2387.7	2377.7	2354.3	2357.6	2347.6	2324.2	2304.1	2287.4	2260.6	2237.2	2103.4
55°	2615.1	2601.7	2564.9	2568.3	2551.6	2524.8	2511.4	2491.4	2484.7	2457.9	2267.3
57.5°	2825.8	2809.1	2768.9	2765.6	2752.2	2722.1	2715.4	2692.0	2675.3	2661.9	2391.0
60°	3029.8	3013.0	2976.3	2962.9	2936.1	2906.0	2909.4	2896.0	2886.0	2872.6	2528.1
62.5°	3213.7	3193.6	3160.2	3133.4	3096.6	3069.9	3073.2	3066.6	3073.2	3069.9	2645.2
65°	3464.5	3444.4	3394.3	3347.5	3294.0	3253.8	3250.5	3260.5	3330.7	3337.4	2825.8
67.5°	3551.4	3531.4	3467.8	3411.0	3367.5	3337.4	3330.7	3327.4	3347.5	3394.3	2789.0
70°	3277.2	3263.9	3203.7	3163.5	3120.1	3100.0	3079.9	3090.0	3110.0	3106.7	2558.2
72.5°	2829.1	2902.7	2825.8	2789.0	2779.0	2725.5	2738.8	2728.8	2742.2	2738.8	2274.0
75°	2340.9	2320.8	2304.1	2367.6	2320.8	2280.7	2304.1	2327.5	2350.9	2324.2	1993.1
77.5°	1702.2	1715.5	1708.8	1732.3	1775.7	1755.7	1742.3	1799.1	1809.2	1718.9	1548.3
80°	856.1	909.6	926.3	966.4	989.9	946.4	909.6	989.9	976.5	872.8	785.9
82.5°	224.1	227.4	260.8	307.7	314.3	307.7	314.3	307.7	267.5	170.5	143.8
85°	187.3	187.3	230.7	280.9	290.9	277.6	277.6	260.8	207.3	107.0	86.9
87.5°	153.8	160.5	207.3	254.2	260.8	247.5	244.1	224.1	180.6	93.6	73.6
90°	137.1	143.8	187.3	227.4	230.7	217.4	214.0	200.6	163.9	93.6	73.6
92.5°	150.5	153.8	183.9	207.3	207.3	197.3	194.0	183.9	160.5	117.0	90.3
95°	133.8	137.1	150.5	160.5	157.2	147.1	153.8	143.8	133.8	110.4	83.6
97.5°	110.4	113.7	117.0	117.0	113.7	107.0	113.7	110.4	103.7	90.3	66.9
100°	83.6	83.6	83.6	86.9	83.6	80.3	83.6	76.9	73.6	63.5	46.8
102.5°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	50.2	46.8	40.1	26.8
105°	33.4	33.4	30.1	33.4	33.4	30.1	30.1	26.8	20.1	16.7	10.0
107.5°	13.4	13.4	10.0	10.0	10.0	10.0	6.7	3.3	3.3	3.3	3.3
110°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3	3.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
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	0.0	0.0	3.3	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7
2.5°	939.7	939.7	939.7	939.7	939.7	939.7	943.0	946.4	949.7	949.7
5°	923.0	923.0	923.0	919.6	923.0	926.3	929.7	929.7	933.0	933.0
7.5°	889.5	886.2	886.2	886.2	889.5	896.2	896.2	899.6	902.9	902.9
10°	846.1	846.1	846.1	846.1	849.4	856.1	856.1	862.8	862.8	862.8
12.5°	822.7	822.7	819.3	816.0	822.7	822.7	832.7	836.0	839.4	846.1
15°	809.3	805.9	809.3	809.3	812.6	816.0	819.3	826.0	829.3	832.7
17.5°	809.3	809.3	809.3	812.6	816.0	816.0	819.3	826.0	829.3	832.7
20°	822.7	822.7	819.3	819.3	822.7	822.7	829.3	836.0	839.4	842.7
22.5°	842.7	839.4	839.4	836.0	839.4	842.7	849.4	856.1	856.1	856.1
25°	869.5	866.1	866.1	866.1	872.8	872.8	879.5	886.2	886.2	886.2
27.5°	912.9	906.3	902.9	902.9	902.9	906.3	912.9	916.3	919.6	919.6
30°	949.7	943.0	939.7	936.4	939.7	943.0	949.7	956.4	956.4	956.4
32.5°	1016.6	999.9	989.9	993.2	993.2	996.5	1003.2	1003.2	1006.6	1006.6
35°	1093.5	1076.8	1060.1	1063.4	1063.4	1066.8	1066.8	1066.8	1073.5	1066.8
37.5°	1190.5	1163.8	1150.4	1153.7	1147.0	1147.0	1147.0	1147.0	1143.7	1150.4
40°	1294.2	1254.0	1240.7	1244.0	1240.7	1237.3	1237.3	1240.7	1237.3	1240.7
42.5°	1277.5	1110.2	1150.4	1197.2	1230.6	1254.0	1280.8	1294.2	1294.2	1307.5
45°	1116.9	658.8	705.6	769.1	822.7	879.5	906.3	926.3	939.7	966.4
47.5°	969.8	237.4	270.9	314.3	371.2	371.2	418.0	438.1	444.8	468.2
50°	943.0	36.8	30.1	33.4	36.8	40.1	43.5	53.5	53.5	66.9
52.5°	1026.6	33.4	20.1	13.4	13.4	10.0	6.7	6.7	6.7	10.0
55°	1120.3	36.8	20.1	13.4	10.0	10.0	3.3	3.3	3.3	3.3
57.5°	1200.5	33.4	16.7	13.4	10.0	6.7	0.0	0.0	0.0	0.0
60°	1287.5	36.8	20.1	13.4	10.0	6.7	0.0	0.0	0.0	0.0
62.5°	1364.4	36.8	20.1	13.4	10.0	3.3	0.0	0.0	0.0	0.0
65°	1474.8	40.1	20.1	13.4	6.7	0.0	0.0	0.0	0.0	0.0
67.5°	1494.8	40.1	20.1	10.0	3.3	0.0	0.0	0.0	0.0	0.0
70°	1334.3	33.4	13.4	6.7	3.3	0.0	0.0	0.0	0.0	0.0
72.5°	1147.0	20.1	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	923.0	16.7	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	618.7	13.4	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	277.6	10.0	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
82.5°	60.2	6.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.1	6.7	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
87.5°	36.8	3.3	3.3	3.3	0.0	0.0	0.0	3.3	0.0	0.0
90°	36.8	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	43.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	40.1	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	30.1	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	20.1	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	10.0	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-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	0.0	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°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.3	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°	3.3	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°	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	0.0	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)