

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: P691908

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691908
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-D-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 6275 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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



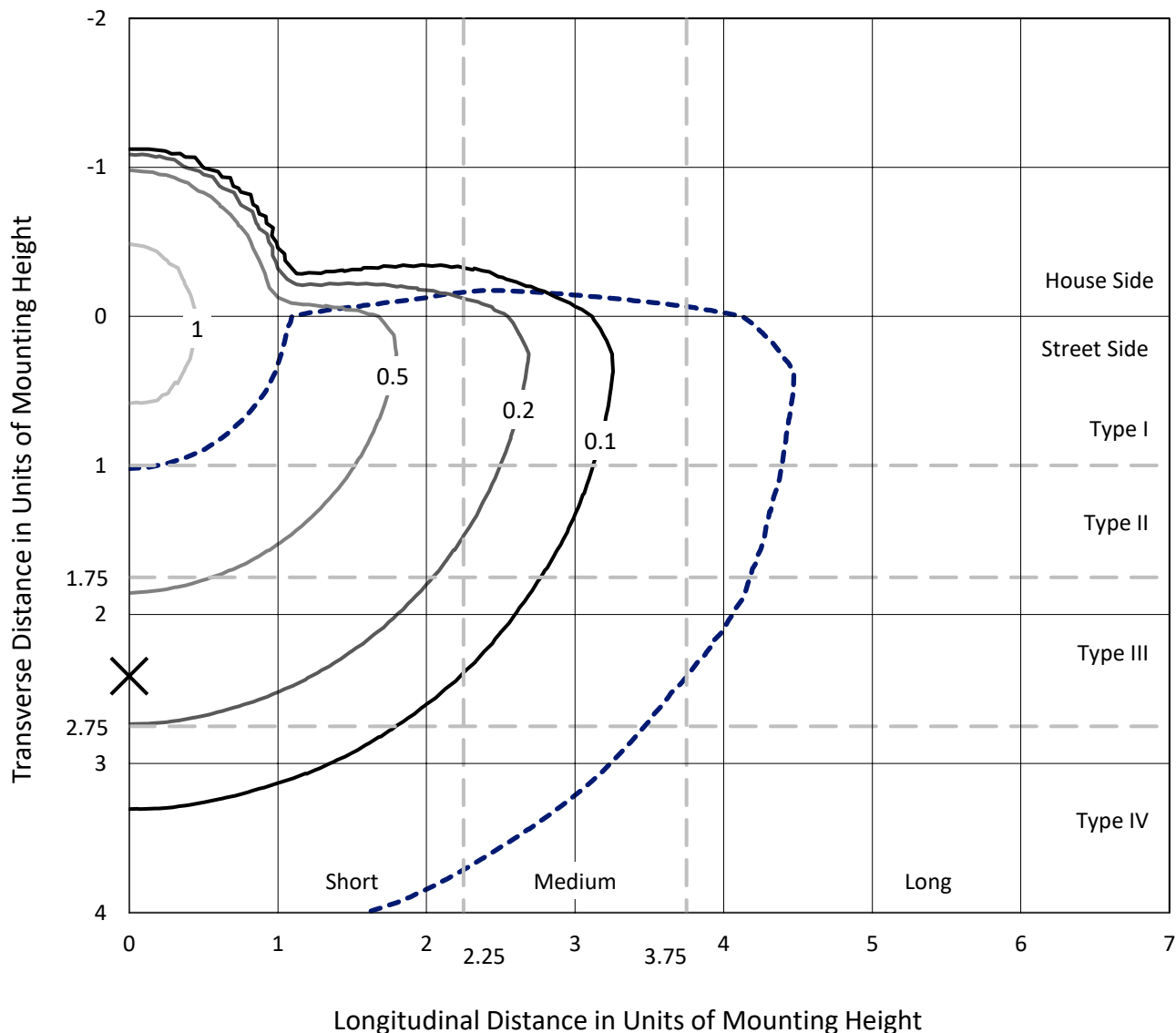
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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

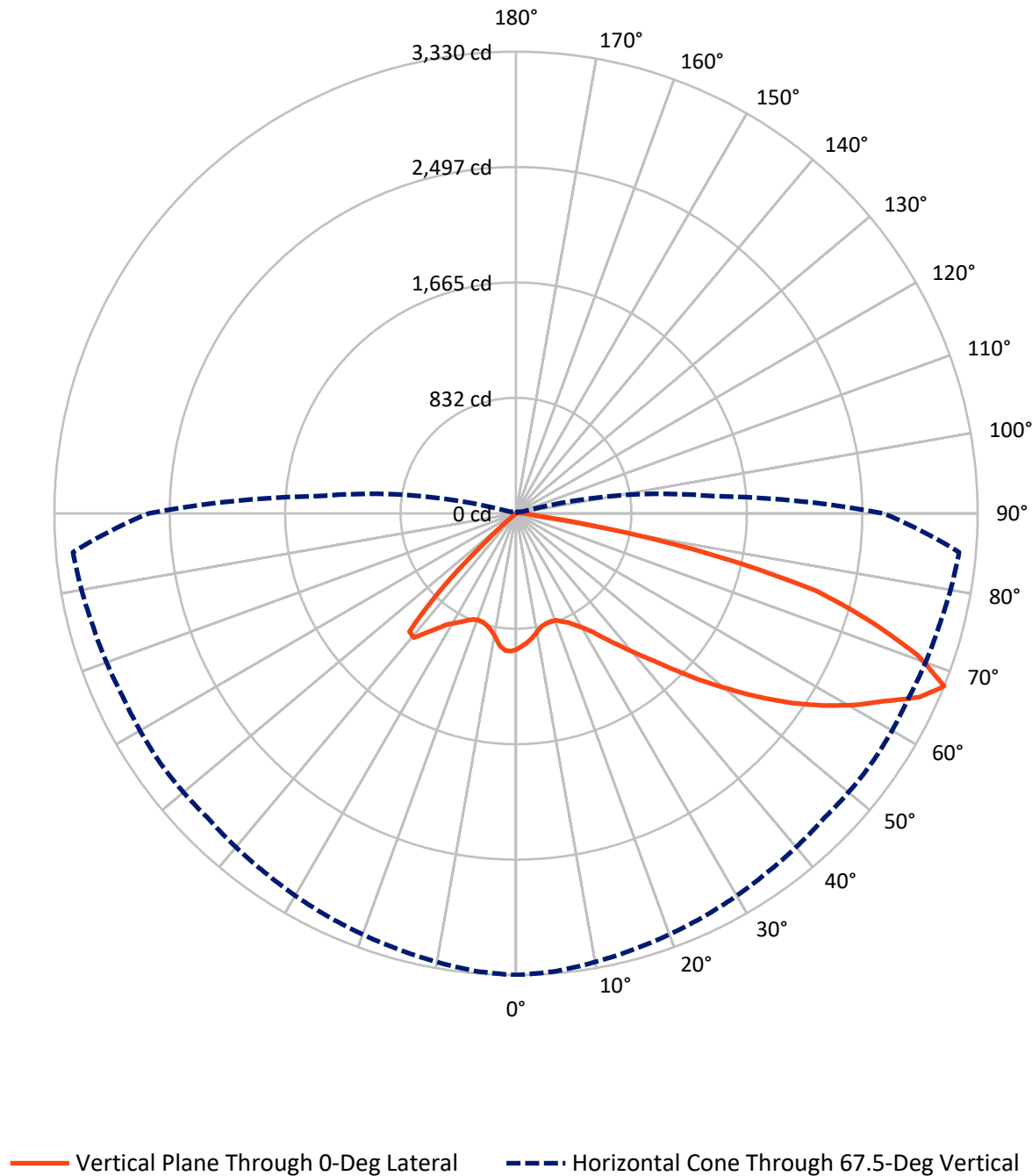


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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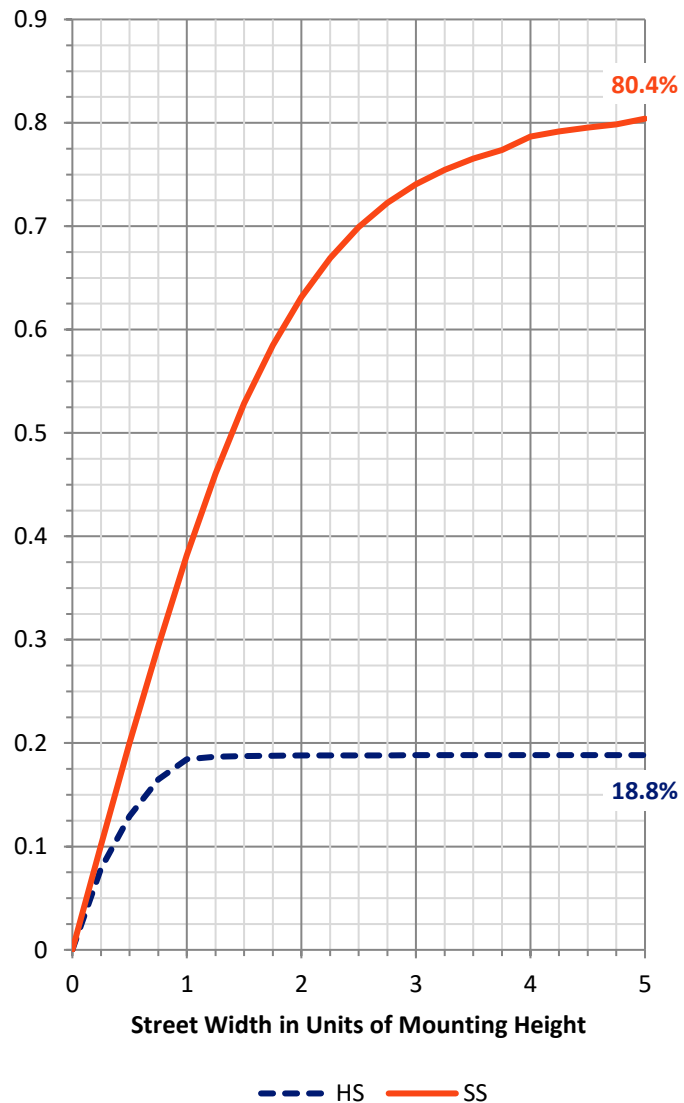
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.4	2.2	1190.6
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	5070.2	14.2	5084.4
	% Fixture	80.8	0.2	81.0
Total	Lumens	6258.5	16.5	6275.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.4
10°-20°	230.3	3.7
20°-30°	395.0	6.3
30°-40°	667.9	10.6
40°-50°	891.3	14.2
50°-60°	1131.6	18.0
60°-70°	1584.7	25.3
70°-80°	1147.8	18.3
80°-90°	122.3	1.9
90°-100°	13.7	0.2
100°-110°	1.4	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°	6258.5	99.7
0°-180°	6275.0	100.0

Coefficient of Utilization



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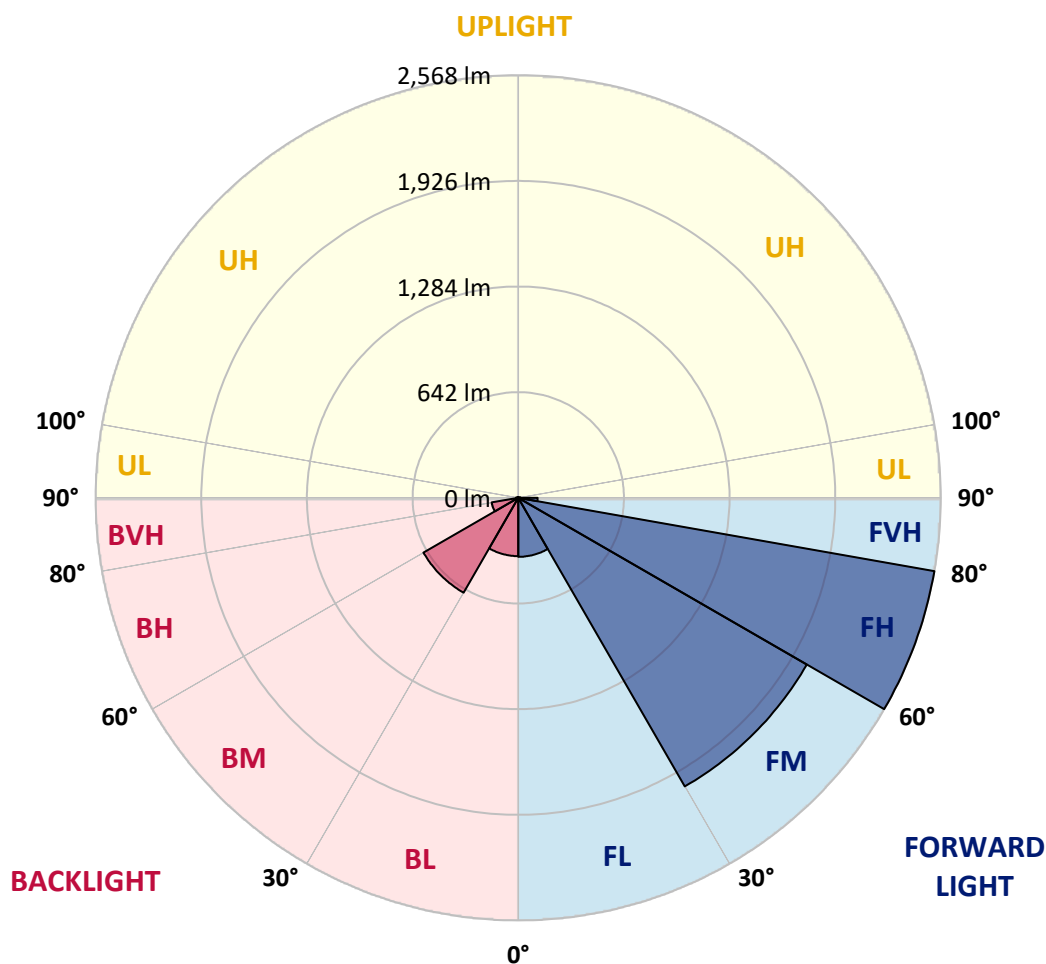
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.7	5.7			
FM	(30°-60°)	2025.4	32.3			
FH	(60°-80°)	2568.4	40.9			G2/5000
FVH	(80°-90°)	117.7	1.9			G2/225
BL	(0°-30°)	354.3	5.6	B1/500		
BM	(30°-60°)	665.4	10.6	B1/1000		
BH	(60°-80°)	164.1	2.6	B1/500		G1/500
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	13.7	0.2		U2/50	
UH	(100°-180°)	2.7	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1
2.5°	954.0	957.2	957.2	957.2	960.3	957.2	957.2	957.2	957.2	960.3	960.3
5°	928.9	928.9	928.9	932.0	932.0	928.9	925.8	928.9	928.9	932.0	932.0
7.5°	897.5	897.5	897.5	900.7	897.5	891.3	885.0	888.1	885.0	888.1	891.3
10°	859.9	863.0	863.0	859.9	856.7	847.3	837.9	841.0	837.9	841.0	841.0
12.5°	834.8	837.9	837.9	834.8	825.3	819.1	812.8	806.5	803.4	809.7	806.5
15°	822.2	825.3	825.3	822.2	815.9	809.7	797.1	794.0	787.7	784.6	787.7
17.5°	819.1	819.1	819.1	815.9	809.7	800.2	794.0	787.7	784.6	784.6	781.4
20°	822.2	828.5	825.3	822.2	815.9	809.7	800.2	790.8	790.8	790.8	787.7
22.5°	847.3	847.3	844.2	844.2	837.9	828.5	819.1	812.8	806.5	806.5	806.5
25°	872.4	875.6	875.6	872.4	863.0	850.5	847.3	837.9	834.8	831.6	828.5
27.5°	913.2	910.1	913.2	913.2	900.7	894.4	885.0	878.7	875.6	869.3	866.1
30°	960.3	960.3	960.3	960.3	950.9	938.3	932.0	922.6	913.2	913.2	906.9
32.5°	1023.1	1026.2	1026.2	1023.1	1013.6	1001.1	994.8	982.3	979.1	972.8	966.6
35°	1110.9	1110.9	1110.9	1104.6	1092.1	1082.7	1076.4	1067.0	1063.9	1054.4	1038.7
37.5°	1208.2	1208.2	1214.5	1208.2	1195.7	1183.1	1173.7	1167.4	1158.0	1151.7	1142.3
40°	1321.2	1321.2	1324.3	1314.9	1302.4	1296.1	1286.7	1274.1	1267.8	1264.7	1245.9
42.5°	1453.0	1459.3	1459.3	1449.9	1440.4	1431.0	1418.5	1409.1	1402.8	1390.2	1365.1
45°	1613.0	1609.9	1616.2	1606.8	1600.5	1597.3	1578.5	1556.6	1559.7	1531.4	1503.2
47.5°	1801.3	1804.5	1801.3	1791.9	1785.6	1782.5	1763.7	1735.4	1722.9	1700.9	1647.6
50°	1992.8	1995.9	1992.8	1986.5	1992.8	1973.9	1952.0	1926.9	1923.7	1895.5	1813.9
52.5°	2203.0	2193.6	2190.5	2187.3	2181.1	2171.6	2149.7	2121.4	2124.6	2093.2	1964.5
55°	2413.3	2403.9	2388.2	2381.9	2375.6	2359.9	2341.1	2331.7	2328.6	2297.2	2124.6
57.5°	2614.1	2598.4	2576.5	2573.3	2563.9	2542.0	2532.5	2516.8	2516.8	2482.3	2240.7
60°	2805.6	2786.7	2761.6	2749.1	2733.4	2714.6	2711.4	2702.0	2705.1	2686.3	2366.2
62.5°	2981.3	2965.6	2934.2	2915.4	2890.3	2874.6	2877.7	2871.5	2884.0	2871.5	2476.0
65°	3194.7	3175.9	3138.2	3097.4	3062.9	3037.8	3028.4	3047.2	3100.6	3113.1	2623.5
67.5°	3329.6	3313.9	3257.5	3207.3	3160.2	3125.7	3135.1	3128.8	3157.0	3207.3	2648.6
70°	3075.4	3069.2	3012.7	2981.3	2946.8	2912.3	2915.4	2906.0	2928.0	2940.5	2429.0
72.5°	2683.2	2714.6	2642.4	2639.2	2617.3	2620.4	2585.9	2611.0	2595.3	2595.3	2149.7
75°	2243.8	2177.9	2156.0	2209.3	2177.9	2181.1	2174.8	2203.0	2199.9	2203.0	1870.4
77.5°	1471.8	1484.4	1456.1	1512.6	1540.9	1587.9	1609.9	1685.2	1657.0	1650.7	1481.2
80°	659.0	674.7	677.9	731.2	765.7	812.8	797.1	850.5	815.9	759.4	724.9
82.5°	147.5	147.5	166.3	213.4	226.0	235.4	235.4	244.8	194.6	119.3	97.3
85°	100.4	97.3	131.8	178.9	188.3	182.0	175.7	163.2	113.0	34.5	28.2
87.5°	65.9	69.0	106.7	147.5	153.8	144.4	134.9	122.4	81.6	9.4	6.3
90°	43.9	50.2	81.6	113.0	113.0	106.7	97.3	81.6	50.2	3.1	3.1
92.5°	22.0	25.1	40.8	50.2	47.1	40.8	37.7	31.4	18.8	3.1	3.1
95°	12.6	12.6	18.8	18.8	18.8	15.7	15.7	12.6	6.3	3.1	3.1
97.5°	9.4	9.4	12.6	12.6	9.4	9.4	9.4	6.3	3.1	3.1	3.1
100°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	3.1	3.1	3.1	3.1
102.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
105°	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1
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	3.1
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	3.1	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	3.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1
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	3.1	0.0	3.1	3.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0	3.1	3.1
175°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
177.5°	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1	3.1	3.1
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°	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1	979.1
2.5°	963.4	966.6	969.7	976.0	976.0	985.4	988.5	991.7	994.8	994.8
5°	938.3	941.5	950.9	957.2	966.6	972.8	982.3	985.4	988.5	991.7
7.5°	891.3	897.5	906.9	910.1	922.6	932.0	941.5	950.9	954.0	960.3
10°	844.2	847.3	850.5	859.9	866.1	878.7	891.3	897.5	903.8	903.8
12.5°	809.7	812.8	815.9	819.1	828.5	834.8	847.3	853.6	856.7	863.0
15°	787.7	787.7	794.0	794.0	800.2	809.7	815.9	825.3	828.5	834.8
17.5°	781.4	781.4	784.6	787.7	794.0	797.1	803.4	812.8	815.9	819.1
20°	784.6	787.7	787.7	790.8	797.1	800.2	806.5	809.7	812.8	815.9
22.5°	800.2	797.1	800.2	800.2	803.4	809.7	815.9	822.2	825.3	825.3
25°	822.2	819.1	819.1	825.3	828.5	831.6	841.0	844.2	847.3	847.3
27.5°	859.9	856.7	859.9	859.9	863.0	863.0	872.4	872.4	875.6	878.7
30°	897.5	888.1	888.1	888.1	891.3	897.5	900.7	906.9	910.1	910.1
32.5°	954.0	935.2	932.0	935.2	935.2	938.3	947.7	944.6	950.9	947.7
35°	1026.2	1007.4	1001.1	1001.1	1001.1	1001.1	1010.5	1004.2	1010.5	1007.4
37.5°	1114.1	1089.0	1085.8	1085.8	1079.5	1082.7	1085.8	1079.5	1076.4	1079.5
40°	1208.2	1164.3	1161.1	1164.3	1164.3	1164.3	1164.3	1161.1	1158.0	1161.1
42.5°	1164.3	988.5	1010.5	1041.9	1073.3	1110.9	1120.3	1145.4	1148.6	1148.6
45°	1016.8	571.2	602.5	649.6	668.4	681.0	715.5	768.9	784.6	787.7
47.5°	897.5	191.4	204.0	222.8	254.2	269.9	273.0	310.7	326.4	295.0
50°	888.1	43.9	31.4	31.4	34.5	28.2	28.2	31.4	31.4	31.4
52.5°	969.7	40.8	28.2	25.1	25.1	25.1	22.0	25.1	25.1	25.1
55°	1054.4	40.8	28.2	25.1	25.1	25.1	22.0	22.0	22.0	22.0
57.5°	1123.5	40.8	28.2	25.1	25.1	22.0	18.8	18.8	18.8	18.8
60°	1205.1	40.8	28.2	25.1	25.1	18.8	15.7	15.7	15.7	15.7
62.5°	1274.1	43.9	28.2	25.1	22.0	15.7	15.7	15.7	15.7	15.7
65°	1374.5	43.9	28.2	22.0	15.7	12.6	12.6	12.6	12.6	12.6
67.5°	1421.6	43.9	25.1	18.8	12.6	9.4	9.4	9.4	9.4	9.4
70°	1280.4	34.5	18.8	12.6	9.4	9.4	9.4	9.4	9.4	9.4
72.5°	1095.2	25.1	12.6	9.4	6.3	6.3	6.3	6.3	6.3	3.1
75°	872.4	15.7	6.3	3.1	3.1	0.0	0.0	0.0	0.0	0.0
77.5°	612.0	12.6	6.3	3.1	3.1	0.0	0.0	0.0	0.0	0.0
80°	254.2	9.4	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.7	6.3	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.6	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.1	3.1	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°	3.1	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	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	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°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.1	3.1	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)