

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: P691821

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
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-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6463 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

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



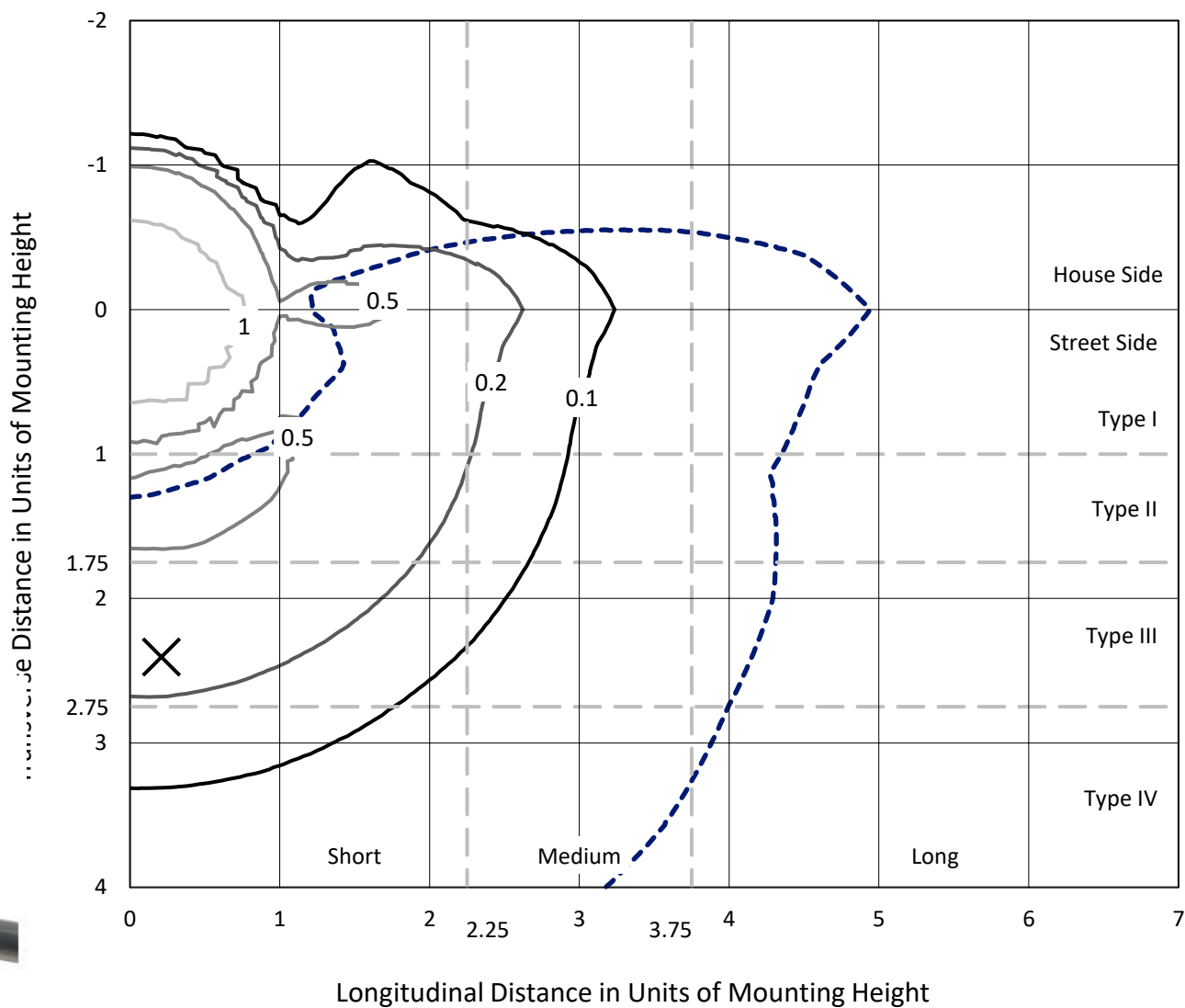
REPORT NUMBER: P691821

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

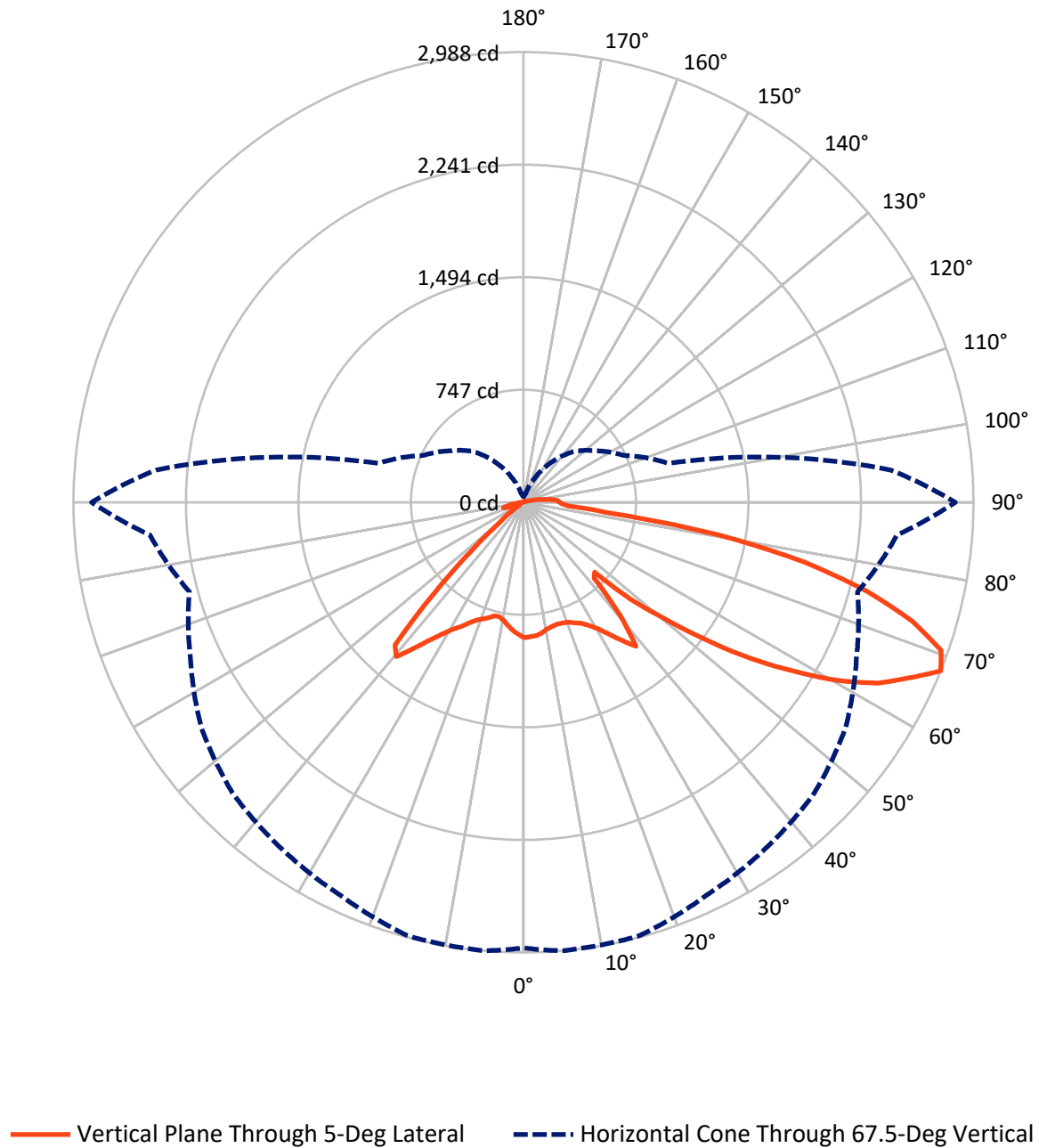


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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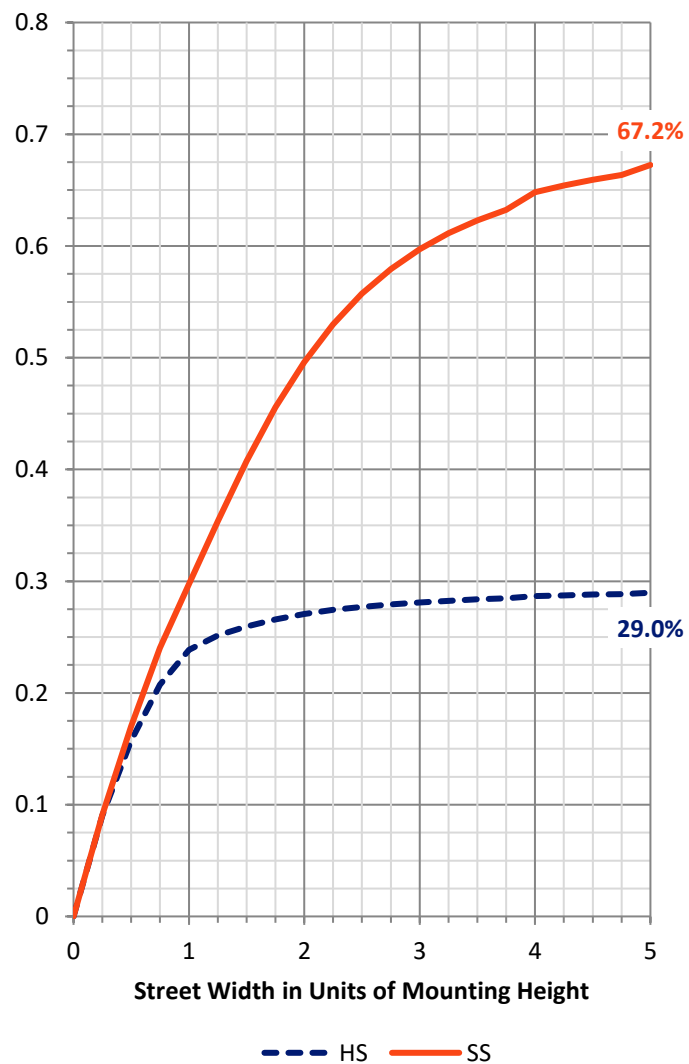
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1894.1	28.5	1922.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4429.1	111.3	4540.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	6323.2	139.7	6463.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.3
10°-20°	239.8	3.7
20°-30°	426.0	6.6
30°-40°	712.4	11.0
40°-50°	650.6	10.1
50°-60°	965.7	14.9
60°-70°	1584.3	24.5
70°-80°	1359.7	21.0
80°-90°	301.6	4.7
90°-100°	101.8	1.6
100°-110°	25.1	0.4
110°-120°	8.0	0.1
120°-130°	4.5	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6323.2	97.8
0°-180°	6463.0	100.0

Coefficient of Utilization



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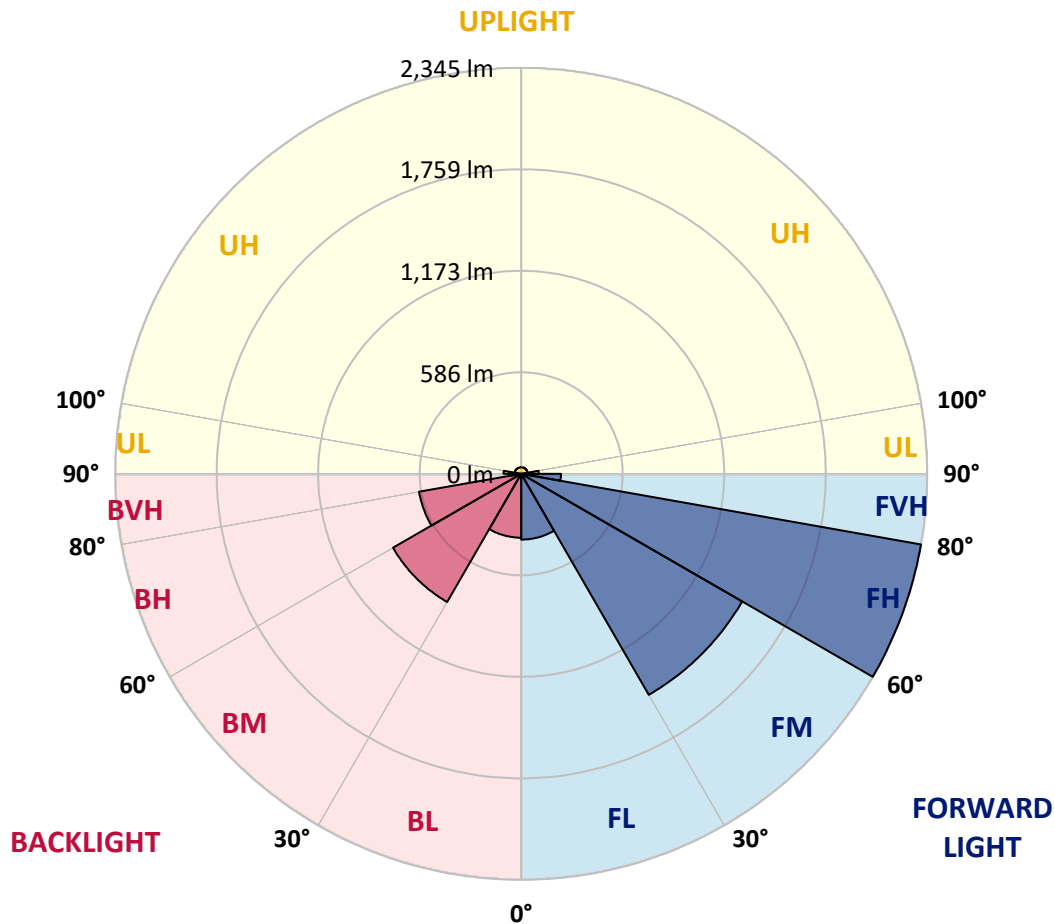
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.9	5.9			
FM	(30°-60°)	1474.0	22.8			
FH	(60°-80°)	2345.3	36.3			G2/5000
FVH	(80°-90°)	230.0	3.6			G3/500
BL	(0°-30°)	369.0	5.7	B1/500		
BM	(30°-60°)	854.8	13.2	B1/1000		
BH	(60°-80°)	598.7	9.3	B2/1000		G2/1000
BVH	(80°-90°)	71.6	1.1			G1/100
UL	(90°-100°)	101.8	1.6		U3/500	
UH	(100°-180°)	38.0	0.6		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2
2.5°	892.5	892.5	892.5	895.9	899.2	895.9	892.5	889.2	885.8	889.2	889.2
5°	889.2	889.2	892.5	892.5	895.9	899.2	895.9	892.5	889.2	889.2	889.2
7.5°	872.5	875.8	875.8	879.1	882.5	889.2	889.2	882.5	882.5	882.5	882.5
10°	855.7	855.7	859.1	862.4	865.8	872.5	872.5	865.8	869.1	872.5	872.5
12.5°	845.7	845.7	849.1	855.7	859.1	862.4	865.8	865.8	869.1	865.8	869.1
15°	839.0	839.0	839.0	849.1	859.1	862.4	869.1	872.5	875.8	875.8	875.8
17.5°	842.4	842.4	842.4	855.7	862.4	872.5	879.1	882.5	882.5	885.8	885.8
20°	849.1	849.1	852.4	862.4	875.8	885.8	892.5	895.9	895.9	902.5	902.5
22.5°	862.4	869.1	865.8	875.8	885.8	899.2	909.2	915.9	915.9	922.6	922.6
25°	892.5	889.2	892.5	902.5	912.6	922.6	929.3	939.3	942.7	949.3	949.3
27.5°	925.9	925.9	925.9	936.0	942.7	952.7	959.4	966.1	972.7	982.8	986.1
30°	976.1	972.7	969.4	979.4	986.1	996.1	1002.8	1006.2	1006.2	1012.9	1019.5
32.5°	1042.9	1042.9	1042.9	1049.6	1053.0	1063.0	1066.3	1069.7	1066.3	1076.4	1079.7
35°	1126.5	1126.5	1129.9	1136.5	1146.6	1153.3	1156.6	1153.3	1156.6	1163.3	1170.0
37.5°	1210.1	1213.4	1223.4	1233.5	1240.2	1253.5	1263.6	1263.6	1266.9	1287.0	1287.0
40°	979.4	989.5	999.5	1022.9	1053.0	1093.1	1159.9	1186.7	1263.6	1303.7	1313.7
42.5°	665.2	688.6	715.4	745.4	768.8	772.2	835.7	872.5	949.3	1022.9	1042.9
45°	635.1	661.9	688.6	668.6	685.3	631.8	695.3	702.0	738.7	795.6	946.0
47.5°	932.6	969.4	1006.2	956.0	966.1	849.1	872.5	845.7	762.1	855.7	1106.5
50°	1216.8	1213.4	1266.9	1243.5	1270.2	1143.2	1153.3	1099.8	969.4	1099.8	1457.4
52.5°	1490.9	1517.6	1574.4	1567.8	1587.8	1424.0	1393.9	1347.1	1143.2	1343.8	1765.0
55°	1808.4	1828.5	1882.0	1865.3	1855.2	1691.4	1638.0	1591.2	1393.9	1654.7	2092.6
57.5°	2105.9	2116.0	2179.5	2122.7	2089.2	1965.5	1892.0	1815.1	1621.2	1938.8	2319.9
60°	2390.1	2403.4	2440.2	2363.3	2309.8	2212.9	2122.7	2039.1	1858.6	2192.8	2530.5
62.5°	2657.5	2644.1	2660.8	2563.9	2527.1	2440.2	2343.3	2239.6	2082.5	2393.4	2734.4
65°	2811.3	2811.3	2831.3	2707.6	2650.8	2597.3	2490.4	2370.0	2226.3	2490.4	2861.4
67.5°	2958.3	2988.4	2978.4	2878.1	2804.6	2731.0	2610.7	2440.2	2296.5	2490.4	2868.1
70°	2904.9	2941.6	2901.5	2821.3	2747.7	2660.8	2550.5	2383.4	2222.9	2370.0	2714.3
72.5°	2674.2	2700.9	2684.2	2614.0	2523.8	2467.0	2350.0	2222.9	2035.7	2162.8	2463.6
75°	2360.0	2353.3	2383.4	2303.2	2226.3	2172.8	2059.1	1978.9	1805.1	1898.7	2186.2
77.5°	1902.0	1905.4	1968.9	1878.6	1818.5	1781.7	1678.1	1611.2	1454.1	1537.7	1758.3
80°	1276.9	1313.7	1373.9	1276.9	1266.9	1216.8	1129.9	1086.4	966.1	1006.2	1123.2
82.5°	531.5	548.2	568.3	538.2	528.2	511.4	474.7	461.3	414.5	434.6	434.6
85°	297.5	294.2	304.2	304.2	297.5	284.1	270.8	247.4	227.3	224.0	207.3
87.5°	250.7	254.0	260.7	260.7	247.4	237.3	220.6	203.9	187.2	177.2	160.5
90°	234.0	237.3	240.7	230.7	217.3	207.3	193.9	180.5	167.1	160.5	143.7
92.5°	224.0	224.0	224.0	210.6	197.2	187.2	177.2	163.8	153.8	147.1	133.7
95°	187.2	183.9	180.5	173.8	160.5	150.4	143.7	130.4	123.7	117.0	110.3
97.5°	140.4	137.1	133.7	130.4	117.0	110.3	107.0	100.3	93.6	83.6	80.2
100°	100.3	96.9	96.9	93.6	86.9	80.2	76.9	70.2	63.5	56.8	53.5
102.5°	66.9	63.5	63.5	60.2	56.8	53.5	46.8	43.5	36.8	33.4	30.1
105°	36.8	36.8	36.8	33.4	33.4	30.1	26.7	23.4	20.1	20.1	16.7
107.5°	26.7	26.7	26.7	26.7	23.4	23.4	20.1	16.7	16.7	13.4	13.4
110°	20.1	20.1	20.1	20.1	20.1	16.7	16.7	13.4	13.4	10.0	10.0

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.7	16.7	16.7	16.7	16.7	16.7	13.4	13.4	10.0	10.0	10.0
115°	16.7	16.7	16.7	16.7	13.4	13.4	10.0	10.0	10.0	10.0	6.7
117.5°	13.4	13.4	13.4	13.4	13.4	10.0	10.0	10.0	10.0	6.7	10.0
120°	13.4	13.4	13.4	13.4	10.0	10.0	10.0	6.7	6.7	6.7	6.7
122.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	6.7	6.7	6.7	6.7
125°	10.0	10.0	10.0	10.0	10.0	6.7	6.7	6.7	6.7	6.7	6.7
127.5°	10.0	10.0	6.7	10.0	6.7	6.7	6.7	6.7	6.7	3.3	6.7
130°	10.0	10.0	6.7	6.7	6.7	6.7	6.7	6.7	3.3	3.3	3.3
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	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	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	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	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	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2
2.5°	892.5	892.5	895.9	892.5	892.5	885.8	882.5	879.1	879.1	879.1
5°	889.2	889.2	885.8	879.1	875.8	869.1	862.4	859.1	855.7	859.1
7.5°	882.5	875.8	869.1	855.7	845.7	842.4	829.0	825.7	825.7	825.7
10°	869.1	862.4	845.7	829.0	822.3	812.3	802.3	792.2	795.6	798.9
12.5°	865.8	849.1	835.7	819.0	808.9	792.2	788.9	778.9	775.5	775.5
15°	869.1	855.7	839.0	825.7	812.3	805.6	792.2	788.9	778.9	785.5
17.5°	882.5	862.4	849.1	835.7	822.3	815.6	805.6	798.9	802.3	802.3
20°	895.9	875.8	862.4	852.4	839.0	829.0	825.7	819.0	822.3	815.6
22.5°	915.9	895.9	885.8	872.5	862.4	855.7	849.1	852.4	845.7	849.1
25°	942.7	925.9	912.6	902.5	892.5	885.8	885.8	885.8	882.5	885.8
27.5°	979.4	962.7	952.7	946.0	936.0	929.3	922.6	925.9	929.3	925.9
30°	1012.9	992.8	989.5	982.8	976.1	972.7	972.7	972.7	972.7	979.4
32.5°	1066.3	1046.3	1039.6	1039.6	1032.9	1029.6	1026.2	1032.9	1036.3	1032.9
35°	1149.9	1123.2	1116.5	1113.1	1109.8	1109.8	1113.1	1113.1	1113.1	1113.1
37.5°	1253.5	1216.8	1210.1	1206.7	1206.7	1206.7	1203.4	1206.7	1216.8	1220.1
40°	1300.3	1276.9	1287.0	1303.7	1313.7	1313.7	1310.4	1317.0	1327.1	1327.1
42.5°	1053.0	1002.8	1039.6	1106.5	1149.9	1203.4	1213.4	1246.8	1273.6	1273.6
45°	855.7	648.5	661.9	705.3	725.4	772.2	798.9	829.0	845.7	822.3
47.5°	962.7	417.8	344.3	357.7	307.5	371.0	414.5	461.3	471.3	481.4
50°	1510.9	431.2	290.8	210.6	140.4	187.2	197.2	224.0	217.3	220.6
52.5°	1835.2	494.7	290.8	187.2	117.0	123.7	113.7	127.0	133.7	147.1
55°	2059.1	595.0	377.7	237.3	137.1	83.6	56.8	43.5	40.1	40.1
57.5°	2166.1	728.7	491.4	337.6	213.9	117.0	50.1	36.8	33.4	30.1
60°	2266.4	872.5	621.8	461.3	337.6	207.3	93.6	36.8	30.1	30.1
62.5°	2356.6	1016.2	752.1	598.4	474.7	324.2	173.8	63.5	33.4	33.4
65°	2430.2	1046.3	762.1	648.5	511.4	381.1	227.3	76.9	36.8	36.8
67.5°	2450.2	996.1	735.4	595.0	478.0	324.2	177.2	63.5	43.5	40.1
70°	2316.5	946.0	738.7	564.9	431.2	287.5	117.0	73.5	56.8	53.5
72.5°	2095.9	875.8	702.0	548.2	414.5	290.8	137.1	120.3	107.0	100.3
75°	1845.2	792.2	648.5	524.8	401.1	280.8	160.5	150.4	137.1	133.7
77.5°	1480.8	658.5	544.9	444.6	337.6	224.0	133.7	127.0	110.3	110.3
80°	972.7	491.4	411.2	341.0	257.4	157.1	100.3	90.3	80.2	76.9
82.5°	397.8	287.5	247.4	213.9	167.1	100.3	66.9	56.8	46.8	43.5
85°	193.9	143.7	123.7	100.3	83.6	56.8	43.5	36.8	26.7	26.7
87.5°	157.1	113.7	93.6	76.9	56.8	40.1	30.1	23.4	16.7	13.4
90°	143.7	100.3	80.2	63.5	46.8	33.4	20.1	16.7	10.0	6.7
92.5°	130.4	86.9	70.2	50.1	36.8	26.7	13.4	10.0	6.7	6.7
95°	107.0	66.9	53.5	40.1	30.1	20.1	13.4	6.7	3.3	3.3
97.5°	76.9	50.1	40.1	30.1	23.4	13.4	10.0	6.7	3.3	3.3
100°	53.5	33.4	30.1	23.4	16.7	10.0	6.7	3.3	3.3	3.3
102.5°	26.7	20.1	20.1	16.7	13.4	10.0	3.3	3.3	0.0	0.0
105°	16.7	13.4	13.4	10.0	6.7	6.7	3.3	3.3	0.0	0.0
107.5°	10.0	10.0	10.0	6.7	6.7	3.3	3.3	0.0	0.0	0.0
110°	10.0	6.7	6.7	6.7	3.3	3.3	3.3	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.7	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0
115°	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
117.5°	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	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
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°	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
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	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°	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
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	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)