

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: P691790

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8420 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - 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



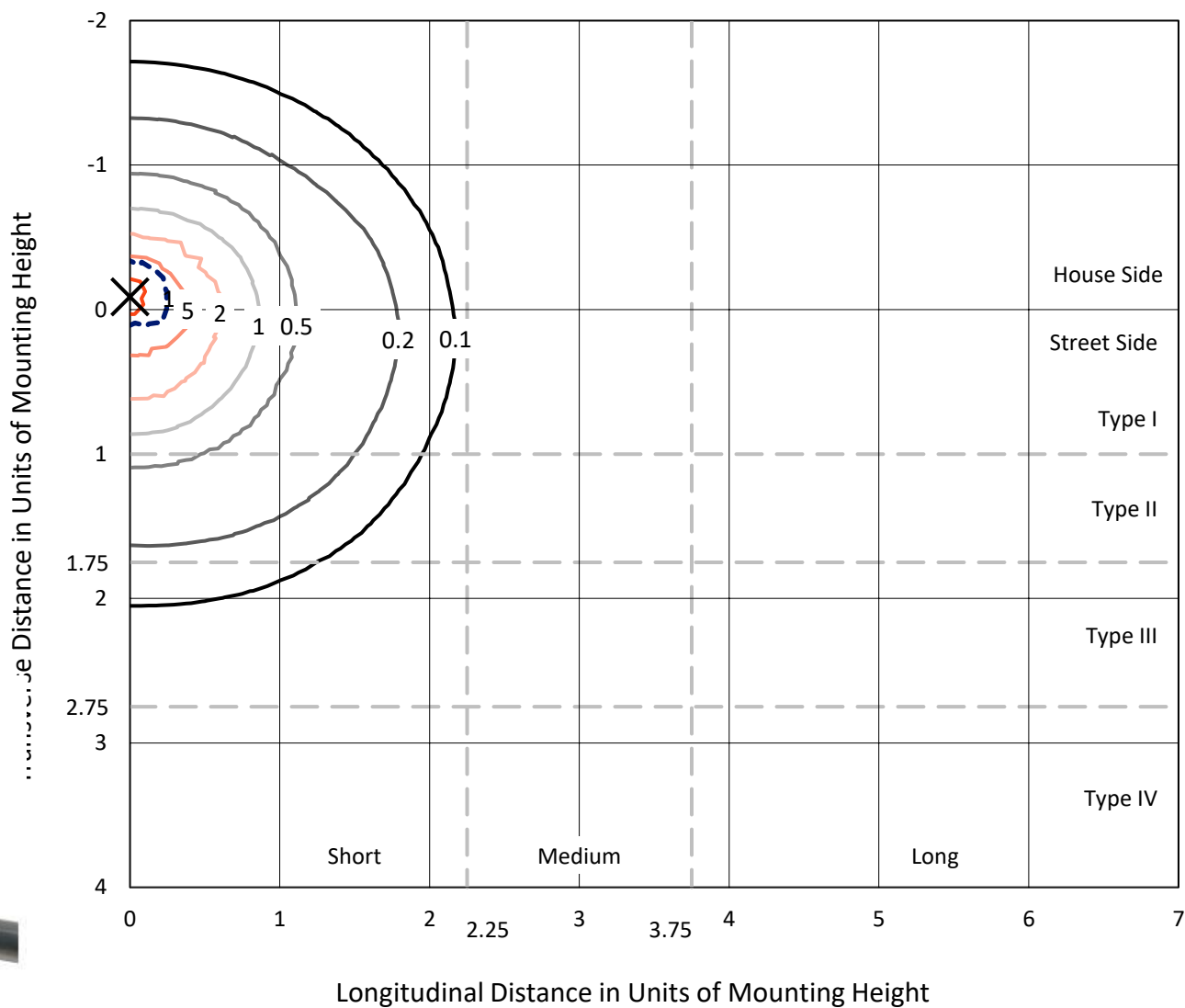
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

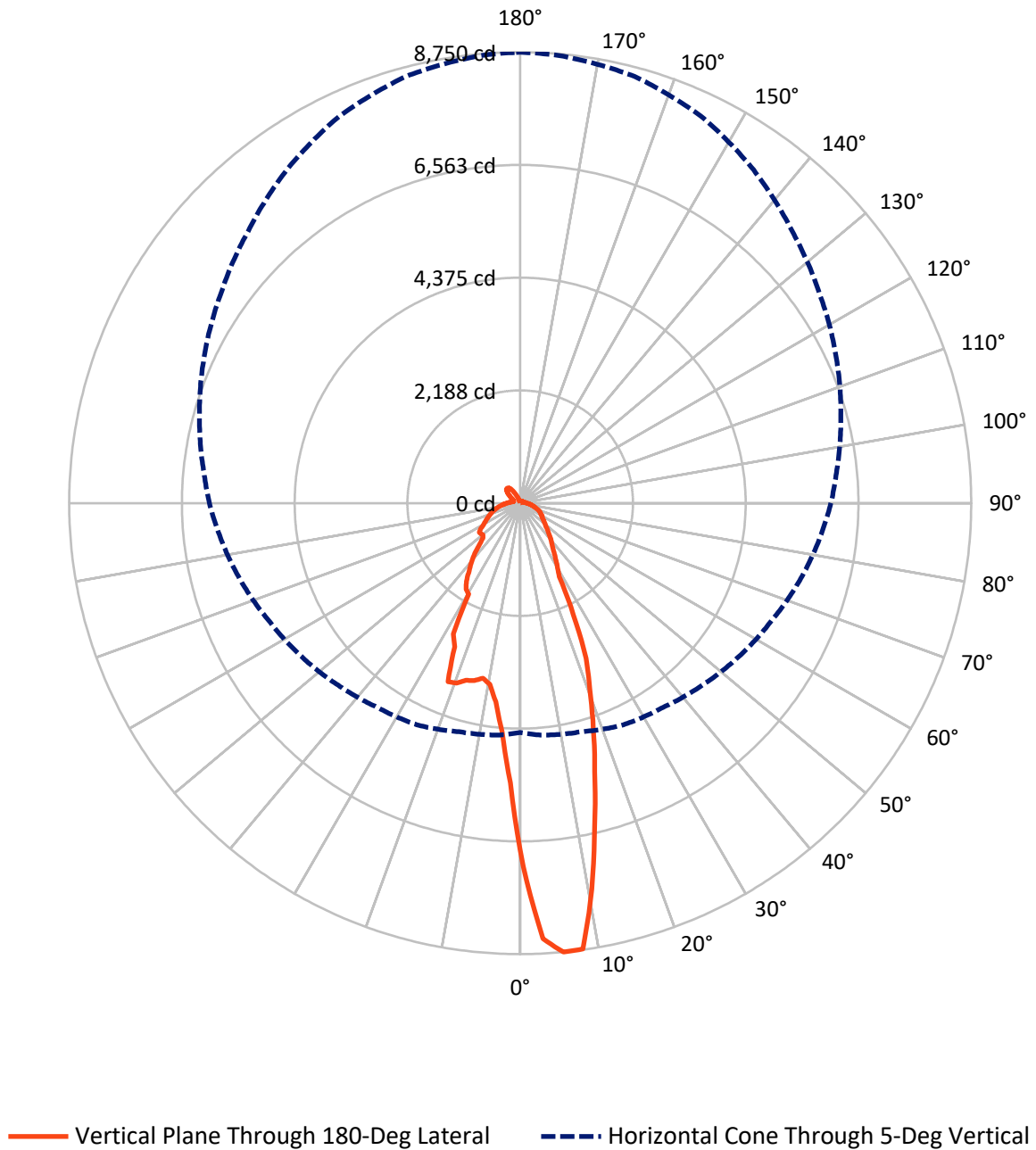


Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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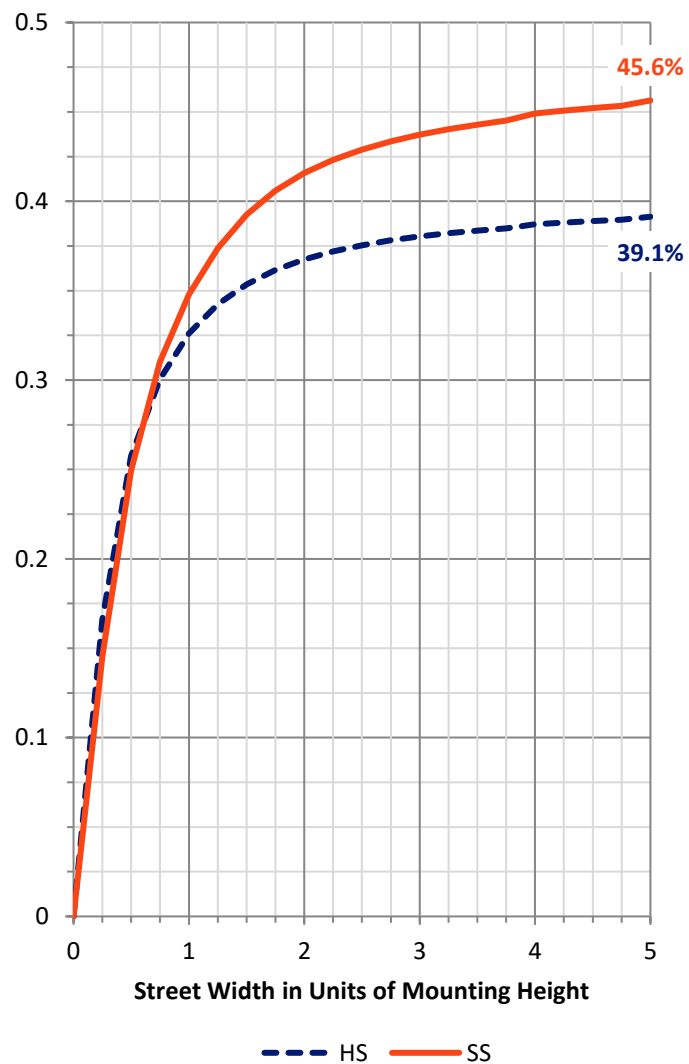
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3384.1	362.9	3747.0
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3949.2	723.7	4673.0
	% Fixture	46.9	8.6	55.5
Total	Lumens	7333.4	1086.6	8420.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.0	6.7
10°-20°	1213.9	14.4
20°-30°	1336.6	15.9
30°-40°	982.1	11.7
40°-50°	822.9	9.8
50°-60°	825.6	9.8
60°-70°	707.1	8.4
70°-80°	526.8	6.3
80°-90°	352.5	4.2
90°-100°	209.4	2.5
100°-110°	121.6	1.4
110°-120°	113.1	1.3
120°-130°	164.0	1.9
130°-140°	220.7	2.6
140°-150°	178.7	2.1
150°-160°	70.6	0.8
160°-170°	8.6	0.1
170°-180°	0.0	0.0
0°-90°	7333.4	87.1
0°-180°	8420.0	100.0

Coefficient of Utilization



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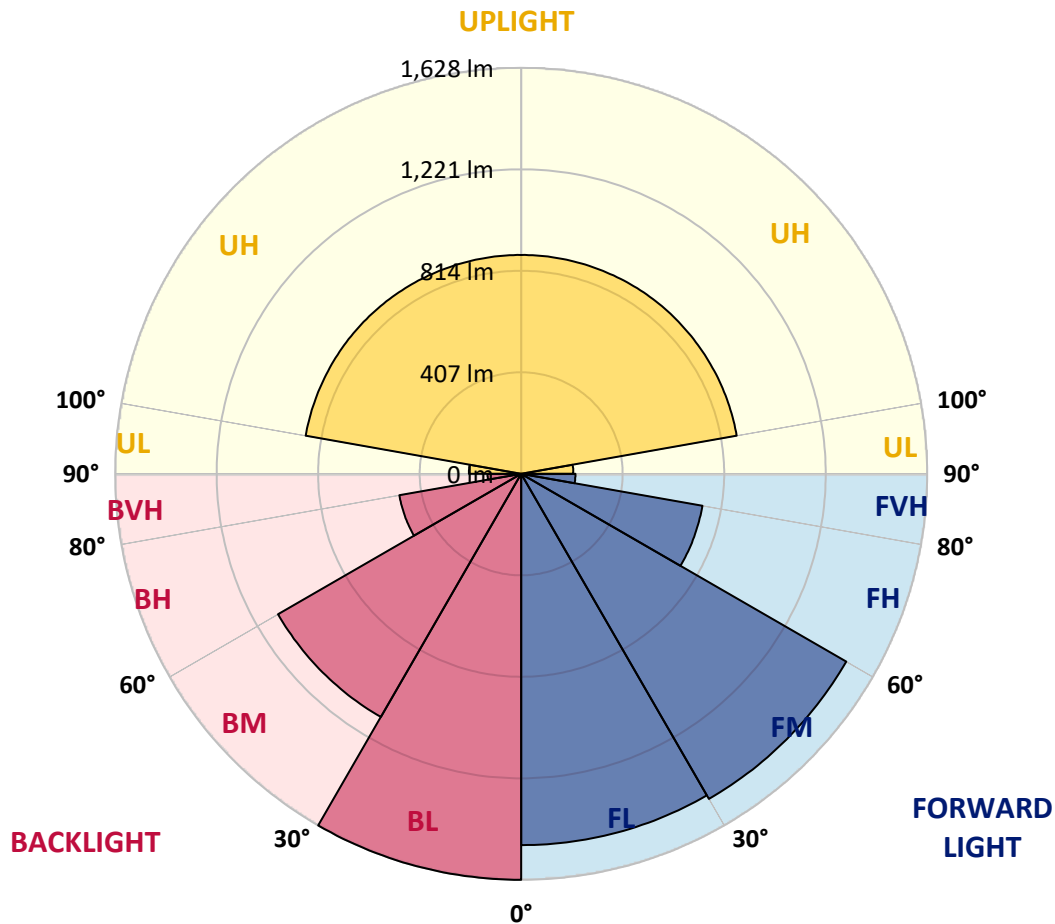
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1488.7	17.7			
FM	(30°-60°)	1505.0	17.9			
FH	(60°-80°)	737.9	8.8			G1/1800
FVH	(80°-90°)	217.6	2.6			G2/225
BL	(0°-30°)	1627.7	19.3	B3/2500		
BM	(30°-60°)	1125.6	13.4	B2/2500		
BH	(60°-80°)	496.0	5.9	B1/500		G1/500
BVH	(80°-90°)	134.9	1.6			G2/225
UL	(90°-100°)	209.4	2.5		U3/500	
UH	(100°-180°)	877.3	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3
2.5°	5430.0	5510.3	5550.4	5670.8	5710.9	5787.8	5904.8	6021.9	6219.1	6366.2	6479.9
5°	4450.4	4517.2	4590.8	4744.6	4834.9	4995.4	5182.6	5383.2	5637.3	5894.8	6028.5
7.5°	3878.6	3895.3	4002.3	4189.6	4353.4	4523.9	4727.9	4901.7	5075.6	5286.3	5420.0
10°	3564.3	3587.7	3657.9	3801.7	3942.1	4082.6	4243.1	4376.8	4554.0	4731.2	4811.5
12.5°	3470.7	3480.7	3540.9	3624.5	3714.8	3805.0	3928.8	4049.1	4206.3	4360.1	4413.6
15°	3554.3	3554.3	3564.3	3597.7	3644.5	3714.8	3808.4	3912.0	4055.8	4169.5	4226.3
17.5°	3594.4	3597.7	3624.5	3631.2	3674.6	3704.7	3788.3	3868.6	4005.7	4099.3	4129.4
20°	3701.4	3701.4	3704.7	3721.4	3728.1	3744.9	3781.6	3825.1	3938.8	3988.9	3982.2
22.5°	3734.8	3721.4	3774.9	3871.9	3868.6	3871.9	3838.5	3848.5	3912.0	3892.0	3845.2
25°	3066.1	3049.4	3109.6	3169.8	3256.7	3367.0	3641.2	3855.2	3935.4	3871.9	3768.3
27.5°	2852.1	2778.5	2761.8	2618.1	2487.7	2273.7	2253.6	2119.9	2106.5	2190.1	2267.0
30°	2026.2	2029.6	2026.2	2012.9	2002.8	2012.9	2022.9	1999.5	2006.2	2059.7	2036.3
32.5°	1976.1	1976.1	1962.7	1956.0	1925.9	1915.9	1899.2	1855.7	1862.4	1902.5	1892.5
35°	1842.3	1835.6	1839.0	1822.3	1768.8	1725.3	1718.6	1681.8	1681.8	1705.2	1695.2
37.5°	1641.7	1631.7	1671.8	1668.5	1625.0	1608.3	1591.6	1568.2	1568.2	1588.2	1568.2
40°	1484.6	1477.9	1521.3	1534.7	1508.0	1514.7	1518.0	1497.9	1518.0	1521.3	1494.6
42.5°	1317.4	1314.0	1350.8	1347.5	1324.1	1320.7	1317.4	1304.0	1337.4	1364.2	1344.1
45°	1120.1	1110.1	1136.8	1146.9	1140.2	1130.1	1126.8	1126.8	1146.9	1160.2	1140.2
47.5°	989.7	993.1	1013.1	1036.5	1043.2	1049.9	1046.6	1039.9	1053.2	1056.6	1039.9
50°	946.2	949.6	979.7	1006.4	1026.5	1039.9	1039.9	1029.8	1039.9	1029.8	1006.4
52.5°	966.3	966.3	1006.4	1046.6	1080.0	1103.4	1106.7	1093.4	1093.4	1066.6	1029.8
55°	973.0	979.7	1033.2	1100.1	1160.2	1223.8	1253.9	1243.8	1253.9	1197.0	1136.8
57.5°	909.5	926.2	979.7	1059.9	1140.2	1240.5	1304.0	1310.7	1307.4	1257.2	1183.6
60°	825.9	839.2	876.0	946.2	1023.1	1103.4	1166.9	1180.3	1193.7	1170.3	1103.4
62.5°	769.0	775.7	805.8	856.0	909.5	952.9	976.3	973.0	986.4	979.7	929.5
65°	718.9	722.2	755.7	795.8	829.2	872.7	879.4	879.4	889.4	876.0	835.9
67.5°	665.4	665.4	692.1	728.9	769.0	805.8	815.8	819.2	832.6	819.2	789.1
70°	618.6	618.6	642.0	672.1	702.2	738.9	749.0	752.3	769.0	752.3	722.2
72.5°	575.1	575.1	595.2	621.9	648.7	678.8	688.8	692.1	705.5	688.8	665.4
75°	528.3	531.6	548.4	571.8	595.2	621.9	635.3	635.3	645.3	625.3	605.2
77.5°	481.5	484.8	501.5	521.6	541.7	568.4	575.1	578.4	588.5	568.4	548.4
80°	434.7	441.4	454.7	471.5	491.5	511.6	524.9	524.9	531.6	511.6	498.2
82.5°	391.2	397.9	407.9	421.3	441.4	461.4	474.8	474.8	478.1	461.4	444.7
85°	347.7	354.4	364.5	374.5	391.2	411.3	424.6	424.6	428.0	411.3	397.9
87.5°	307.6	314.3	321.0	331.0	344.4	364.5	377.8	377.8	377.8	364.5	351.1
90°	267.5	270.8	277.5	287.6	300.9	317.6	327.7	331.0	331.0	314.3	307.6
92.5°	237.4	237.4	244.1	250.8	264.1	277.5	287.6	290.9	290.9	280.9	270.8
95°	204.0	207.3	210.6	217.3	227.4	237.4	250.8	250.8	250.8	244.1	237.4
97.5°	180.6	177.2	180.6	183.9	193.9	200.6	210.6	214.0	214.0	207.3	204.0
100°	153.8	157.2	157.2	160.5	163.8	167.2	173.9	177.2	177.2	173.9	173.9
102.5°	143.8	140.4	140.4	140.4	140.4	140.4	143.8	143.8	147.1	143.8	140.4
105°	133.7	133.7	133.7	133.7	130.4	130.4	130.4	130.4	127.1	123.7	123.7
107.5°	130.4	130.4	130.4	130.4	127.1	127.1	123.7	123.7	120.4	117.0	113.7
110°	130.4	130.4	130.4	130.4	127.1	123.7	123.7	120.4	117.0	113.7	110.3

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	137.1	137.1	137.1	137.1	130.4	127.1	123.7	123.7	117.0	113.7	110.3
115°	150.5	150.5	147.1	147.1	143.8	137.1	133.7	130.4	127.1	120.4	117.0
117.5°	163.8	163.8	163.8	163.8	160.5	153.8	147.1	143.8	140.4	130.4	127.1
120°	187.2	187.2	187.2	190.6	183.9	177.2	170.5	163.8	160.5	150.5	143.8
122.5°	217.3	214.0	220.7	224.0	220.7	210.6	200.6	193.9	187.2	173.9	167.2
125°	247.4	247.4	254.1	264.1	264.1	254.1	240.7	230.7	224.0	204.0	193.9
127.5°	284.2	284.2	294.2	311.0	314.3	304.3	290.9	277.5	267.5	240.7	230.7
130°	317.6	317.6	337.7	357.8	367.8	357.8	344.4	327.7	314.3	284.2	267.5
132.5°	344.4	347.7	371.1	397.9	411.3	407.9	391.2	377.8	364.5	327.7	307.6
135°	371.1	374.5	401.2	434.7	451.4	451.4	438.0	421.3	404.6	364.5	341.0
137.5°	384.5	387.9	421.3	454.7	474.8	481.5	474.8	458.1	441.4	397.9	367.8
140°	384.5	391.2	424.6	458.1	478.1	488.2	488.2	471.5	454.7	414.6	384.5
142.5°	374.5	381.2	411.3	444.7	464.8	478.1	481.5	468.1	451.4	411.3	381.2
145°	354.4	357.8	387.9	418.0	438.0	454.7	461.4	451.4	431.3	397.9	367.8
147.5°	321.0	321.0	347.7	371.1	397.9	414.6	424.6	418.0	401.2	371.1	344.4
150°	274.2	274.2	294.2	317.6	341.0	361.1	371.1	371.1	354.4	331.0	304.3
152.5°	217.3	220.7	234.1	254.1	277.5	294.2	307.6	307.6	297.6	277.5	254.1
155°	167.2	167.2	177.2	190.6	210.6	227.4	237.4	237.4	230.7	214.0	200.6
157.5°	120.4	120.4	127.1	140.4	153.8	167.2	177.2	177.2	170.5	160.5	150.5
160°	80.2	80.2	83.6	93.6	103.7	113.7	120.4	123.7	120.4	113.7	103.7
162.5°	43.5	43.5	46.8	53.5	60.2	70.2	73.6	76.9	76.9	70.2	66.9
165°	13.4	13.4	13.4	20.1	23.4	30.1	33.4	36.8	36.8	36.8	33.4
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	6.7	10.0	10.0	10.0	10.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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°	179°	180°
0°	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3
2.5°	6586.9	6834.4	7108.5	7389.4	7676.9	7947.8	8175.1	8355.7	8452.7	8476.1	8462.7
5°	6148.9	6439.8	6760.8	7088.5	7463.0	7894.3	8288.8	8573.0	8720.2	8743.6	8750.2
7.5°	5523.7	5777.8	6092.1	6469.9	6941.4	7402.8	8011.3	8435.9	8673.3	8736.9	8736.9
10°	4865.0	5089.0	5286.3	5617.3	6028.5	6459.9	6978.1	7369.3	7610.1	7687.0	7620.1
12.5°	4493.8	4590.8	4724.5	4968.6	5226.1	5553.8	6001.8	6255.9	6413.1	6459.9	6419.7
15°	4256.4	4306.6	4363.4	4467.1	4647.6	4851.6	5115.7	5272.9	5369.9	5426.7	5406.6
17.5°	4142.7	4142.7	4132.7	4156.1	4202.9	4296.5	4477.1	4533.9	4577.4	4600.8	4587.4
20°	3968.9	3915.4	3871.9	3805.0	3778.3	3774.9	3818.4	3878.6	3875.3	3878.6	3851.8
22.5°	3795.0	3684.7	3577.7	3477.4	3363.7	3306.8	3266.7	3286.8	3270.1	3286.8	3270.1
25°	3711.4	3487.4	3273.4	3029.3	2825.4	2668.2	2564.6	2501.0	2394.0	2434.2	2397.4
27.5°	2303.8	2210.1	2119.9	1939.3	1768.8	1708.6	1658.4	1631.7	1611.6	1621.7	1615.0
30°	1996.1	1919.2	1849.0	1755.4	1625.0	1544.8	1484.6	1431.1	1414.4	1417.7	1414.4
32.5°	1852.4	1792.2	1705.2	1608.3	1491.3	1390.9	1320.7	1270.6	1243.8	1260.5	1247.2
35°	1658.4	1598.2	1524.7	1434.4	1334.1	1243.8	1177.0	1130.1	1100.1	1106.7	1103.4
37.5°	1531.4	1474.5	1411.0	1314.0	1227.1	1140.2	1073.3	1026.5	996.4	1003.1	996.4
40°	1457.8	1394.3	1327.4	1240.5	1153.5	1063.3	999.7	946.2	916.2	916.2	916.2
42.5°	1307.4	1257.2	1200.4	1110.1	1033.2	956.3	892.7	852.6	819.2	822.5	815.8
45°	1116.8	1080.0	1036.5	976.3	912.8	852.6	799.1	769.0	742.3	745.6	742.3
47.5°	1019.8	986.4	936.2	889.4	832.6	779.1	732.3	695.5	675.4	678.8	672.1
50°	983.0	942.9	886.1	822.5	769.0	715.5	668.7	642.0	621.9	625.3	621.9
52.5°	996.4	932.9	852.6	775.7	712.2	658.7	621.9	591.8	578.4	581.8	575.1
55°	1083.3	973.0	852.6	755.7	675.4	615.2	578.4	545.0	531.6	531.6	531.6
57.5°	1113.4	993.1	842.6	732.3	645.3	585.1	541.7	508.2	494.9	494.9	494.9
60°	1043.2	939.6	802.5	698.8	618.6	561.7	524.9	501.5	491.5	491.5	491.5
62.5°	892.7	825.9	722.2	638.6	578.4	528.3	491.5	461.4	451.4	448.0	448.0
65°	809.2	745.6	658.7	588.5	535.0	494.9	461.4	438.0	424.6	424.6	424.6
67.5°	755.7	695.5	615.2	548.4	498.2	454.7	424.6	401.2	394.5	391.2	391.2
70°	695.5	638.6	558.4	498.2	451.4	414.6	384.5	364.5	357.8	357.8	354.4
72.5°	635.3	581.8	504.9	448.0	404.6	371.1	344.4	327.7	321.0	317.6	317.6
75°	578.4	524.9	454.7	401.2	361.1	331.0	307.6	290.9	284.2	284.2	284.2
77.5°	524.9	474.8	407.9	357.8	324.3	294.2	274.2	260.8	254.1	254.1	254.1
80°	474.8	424.6	364.5	317.6	284.2	260.8	244.1	230.7	224.0	227.4	224.0
82.5°	421.3	381.2	324.3	280.9	254.1	230.7	214.0	204.0	197.3	200.6	197.3
85°	377.8	337.7	284.2	247.4	220.7	200.6	187.2	177.2	170.5	173.9	170.5
87.5°	334.4	297.6	250.8	217.3	193.9	177.2	160.5	153.8	150.5	150.5	147.1
90°	287.6	254.1	214.0	187.2	163.8	150.5	137.1	130.4	127.1	123.7	123.7
92.5°	254.1	227.4	190.6	167.2	147.1	137.1	123.7	117.0	113.7	113.7	113.7
95°	224.0	200.6	170.5	150.5	137.1	123.7	113.7	110.3	107.0	107.0	103.7
97.5°	193.9	173.9	153.8	137.1	123.7	113.7	103.7	100.3	97.0	97.0	97.0
100°	163.8	150.5	133.7	120.4	110.3	103.7	93.6	90.3	86.9	86.9	86.9
102.5°	137.1	127.1	113.7	103.7	97.0	90.3	83.6	80.2	76.9	76.9	76.9
105°	120.4	110.3	103.7	93.6	86.9	80.2	76.9	70.2	66.9	66.9	66.9
107.5°	110.3	103.7	97.0	90.3	83.6	76.9	70.2	63.5	60.2	60.2	60.2
110°	107.0	100.3	93.6	86.9	80.2	73.6	70.2	60.2	56.8	56.8	56.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	107.0	103.7	97.0	90.3	83.6	76.9	70.2	56.8	53.5	53.5	53.5
115°	113.7	107.0	100.3	93.6	86.9	80.2	73.6	56.8	53.5	53.5	53.5
117.5°	123.7	117.0	107.0	100.3	93.6	83.6	73.6	60.2	53.5	53.5	53.5
120°	140.4	130.4	120.4	110.3	100.3	90.3	76.9	60.2	50.2	53.5	53.5
122.5°	160.5	150.5	133.7	120.4	110.3	97.0	80.2	63.5	50.2	53.5	53.5
125°	187.2	173.9	153.8	137.1	120.4	103.7	83.6	63.5	50.2	53.5	56.8
127.5°	217.3	197.3	173.9	150.5	130.4	110.3	90.3	66.9	50.2	56.8	56.8
130°	250.8	227.4	197.3	167.2	143.8	117.0	93.6	66.9	53.5	53.5	53.5
132.5°	287.6	254.1	214.0	180.6	150.5	120.4	93.6	66.9	53.5	53.5	53.5
135°	314.3	274.2	230.7	190.6	157.2	123.7	97.0	66.9	50.2	50.2	50.2
137.5°	337.7	290.9	244.1	197.3	160.5	123.7	93.6	63.5	50.2	46.8	46.8
140°	351.1	297.6	244.1	197.3	157.2	120.4	86.9	60.2	43.5	43.5	43.5
142.5°	351.1	294.2	240.7	190.6	147.1	113.7	83.6	53.5	40.1	40.1	40.1
145°	337.7	280.9	227.4	180.6	137.1	103.7	73.6	50.2	36.8	36.8	36.8
147.5°	314.3	257.5	207.3	163.8	120.4	90.3	63.5	40.1	30.1	30.1	30.1
150°	280.9	227.4	180.6	140.4	103.7	73.6	53.5	33.4	23.4	23.4	23.4
152.5°	234.1	190.6	147.1	117.0	83.6	60.2	40.1	26.7	20.1	20.1	20.1
155°	183.9	150.5	117.0	90.3	63.5	43.5	30.1	20.1	13.4	13.4	13.4
157.5°	140.4	113.7	86.9	66.9	46.8	33.4	23.4	13.4	10.0	10.0	10.0
160°	97.0	76.9	60.2	46.8	30.1	23.4	16.7	10.0	6.7	6.7	6.7
162.5°	63.5	50.2	36.8	26.7	20.1	13.4	10.0	6.7	3.3	3.3	3.3
165°	30.1	23.4	20.1	13.4	10.0	6.7	3.3	3.3	0.0	0.0	0.0
167.5°	10.0	6.7	6.7	3.3	3.3	3.3	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

(END OF REPORT)