

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: P691757

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7040-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7510 lumens
Efficiency: N/A
Efficacy: 100.3 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



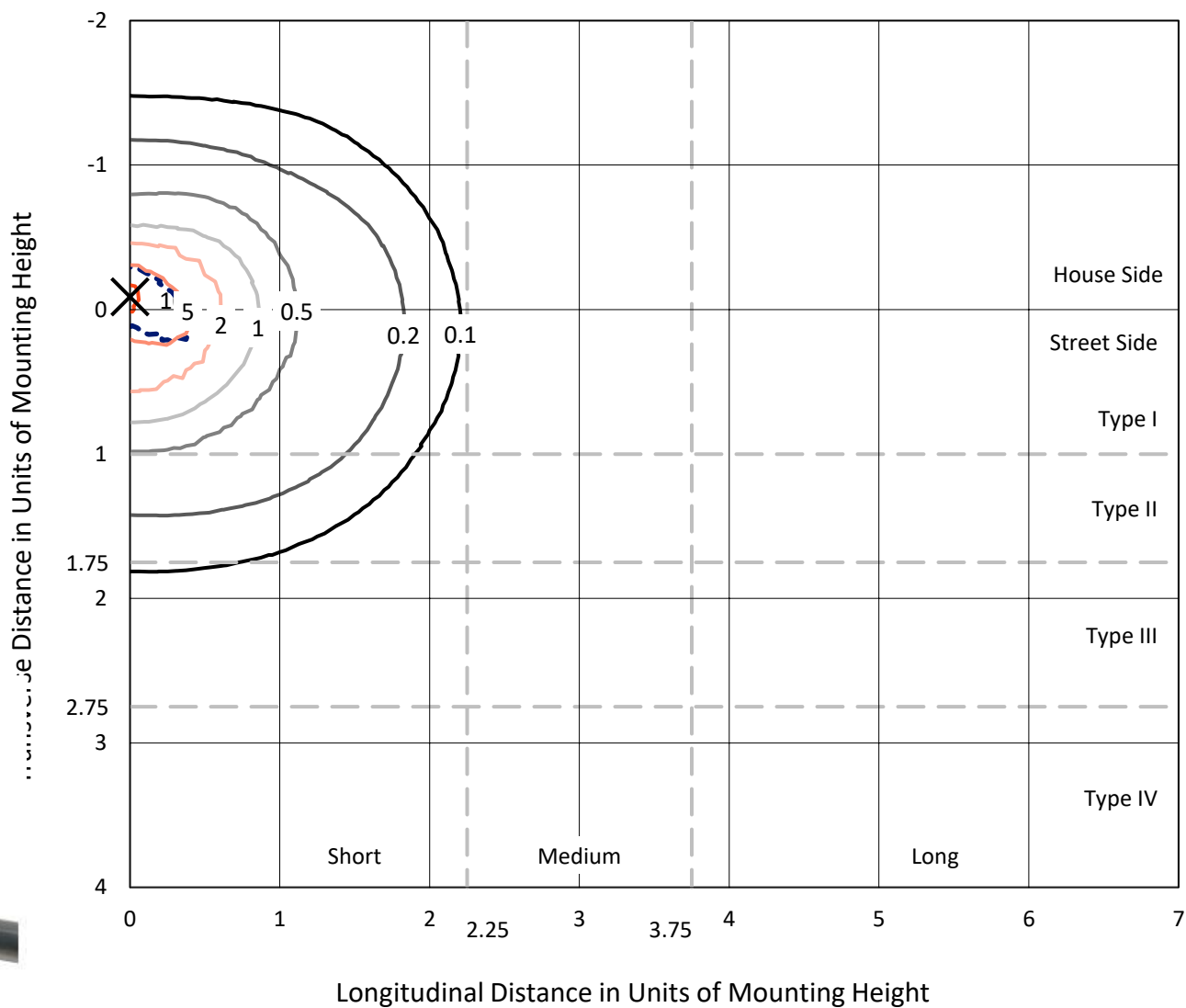
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

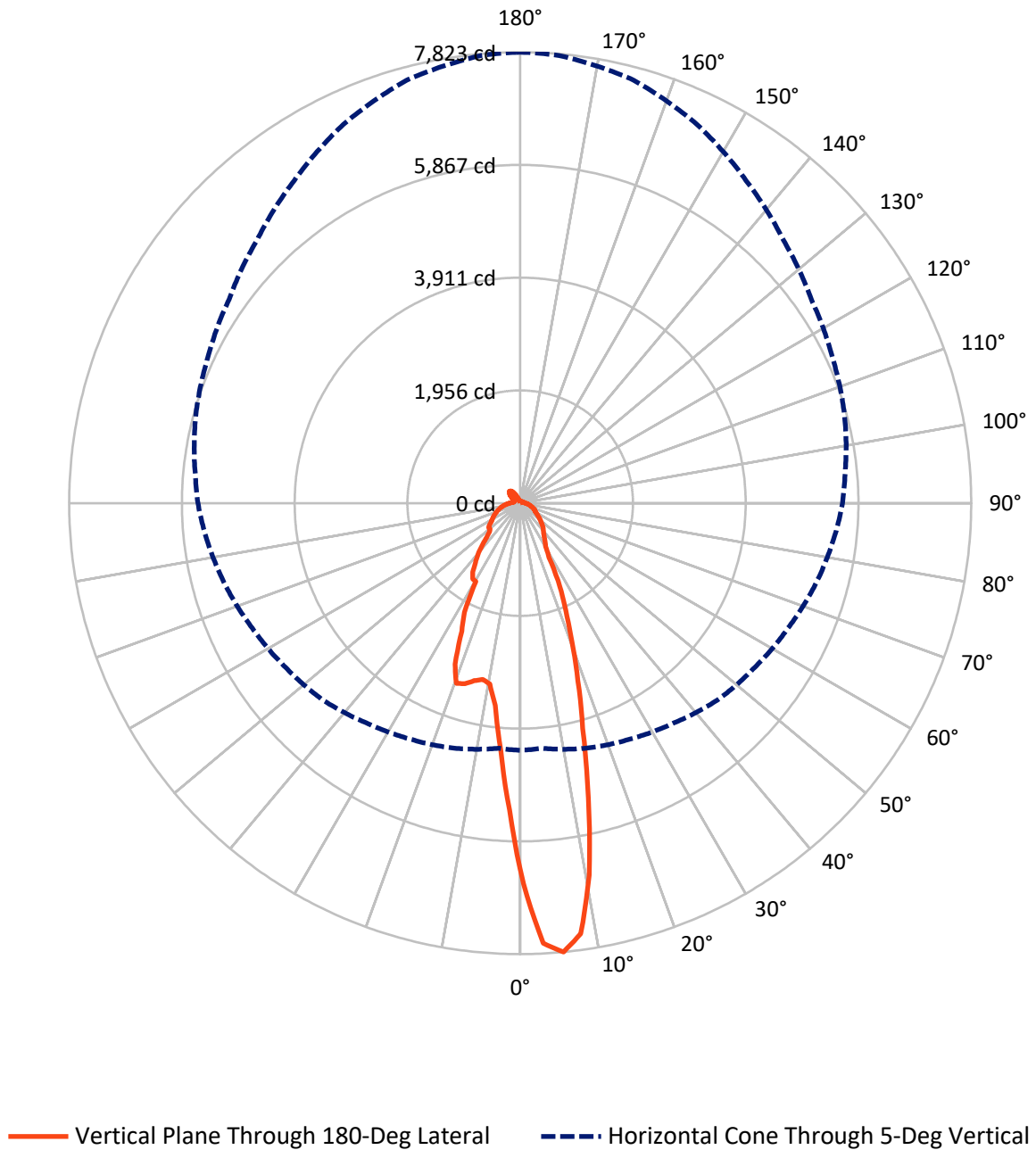


Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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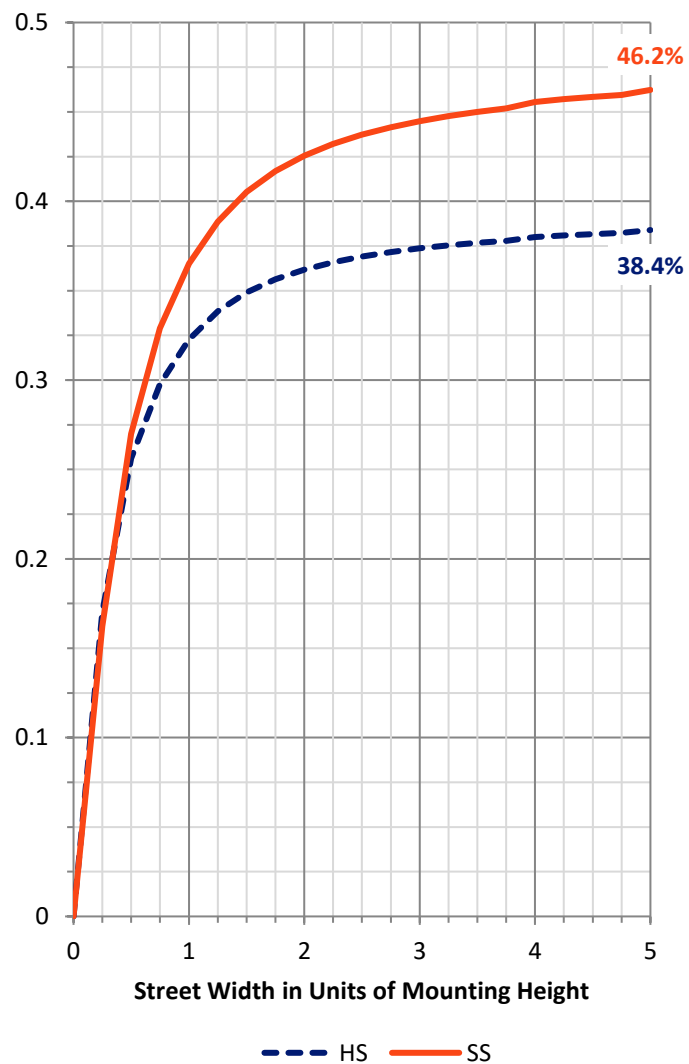
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2959.6	347.5	3307.1
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3557.0	646.0	4202.9
	% Fixture	47.4	8.6	56.0
Total	Lumens	6516.6	993.4	7510.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.1	6.8
10°-20°	1084.4	14.4
20°-30°	1180.1	15.7
30°-40°	863.9	11.5
40°-50°	726.3	9.7
50°-60°	737.6	9.8
60°-70°	627.0	8.3
70°-80°	467.9	6.2
80°-90°	318.4	4.2
90°-100°	191.2	2.5
100°-110°	109.6	1.5
110°-120°	100.9	1.3
120°-130°	146.6	2.0
130°-140°	201.7	2.7
140°-150°	166.9	2.2
150°-160°	67.9	0.9
160°-170°	8.4	0.1
170°-180°	0.0	0.0
0°-90°	6516.6	86.8
0°-180°	7510.0	100.0

Coefficient of Utilization



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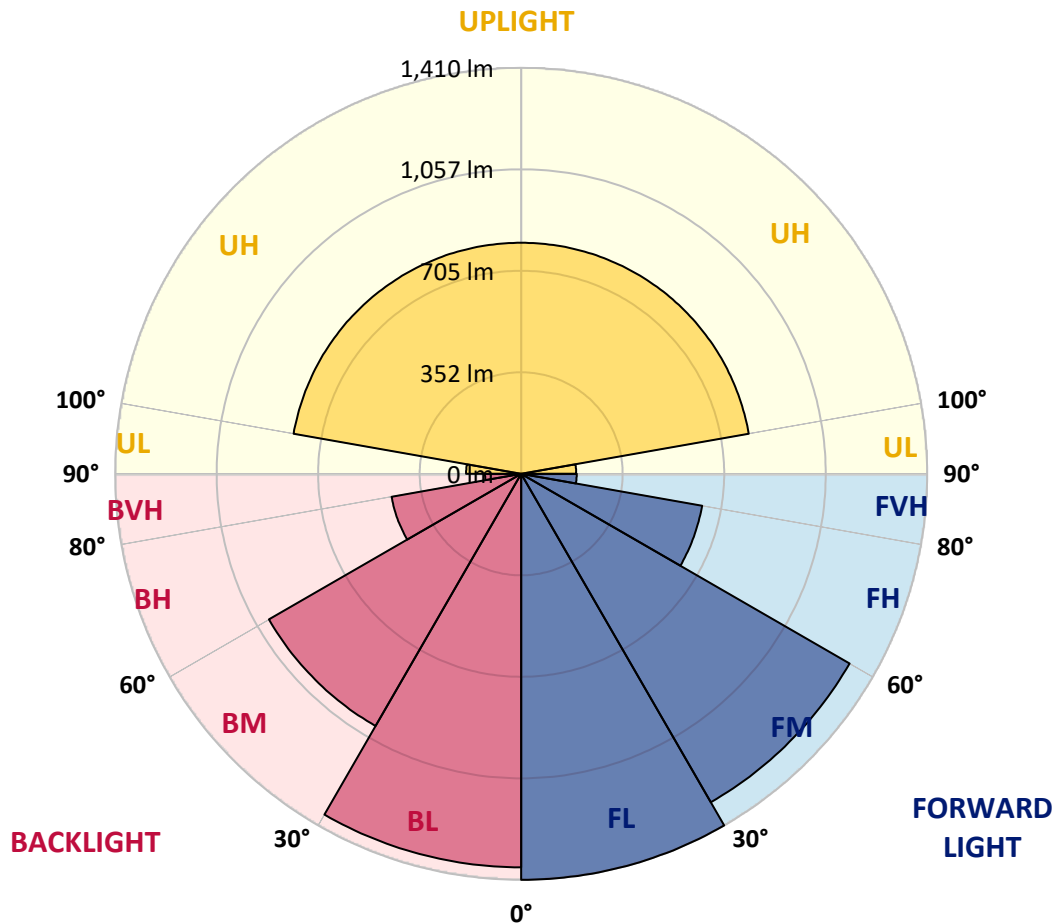
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1409.5	18.8			
FM	(30°-60°)	1316.6	17.5			
FH	(60°-80°)	638.0	8.5			G0/660
FVH	(80°-90°)	192.9	2.6			G2/225
BL	(0°-30°)	1366.1	18.2	B3/2500		
BM	(30°-60°)	1011.1	13.5	B2/2500		
BH	(60°-80°)	456.8	6.1	B1/500		G1/500
BVH	(80°-90°)	125.6	1.7			G2/225
UL	(90°-100°)	191.2	2.5		U3/500	
UH	(100°-180°)	802.2	10.7		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°	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8
2.5°	5324.3	5314.2	5387.8	5404.5	5411.2	5488.2	5591.8	5662.1	5789.1	5912.9	5963.1
5°	4287.5	4267.4	4401.2	4514.9	4652.1	4832.7	4966.4	5127.0	5317.6	5501.5	5588.5
7.5°	3535.0	3561.8	3752.4	3986.5	4207.2	4421.3	4585.2	4722.3	4832.7	4949.7	4973.1
10°	3180.5	3203.9	3391.2	3615.3	3819.3	4036.7	4177.1	4294.2	4364.4	4451.4	4481.5
12.5°	3123.7	3140.4	3267.5	3424.7	3578.5	3775.8	3953.1	4083.5	4163.8	4234.0	4240.7
15°	3180.5	3187.2	3264.1	3367.8	3501.6	3665.5	3869.5	4016.6	4106.9	4137.0	4130.3
17.5°	3274.2	3274.2	3311.0	3397.9	3525.0	3682.2	3876.2	4026.7	4120.3	4133.7	4106.9
20°	3314.3	3321.0	3344.4	3441.4	3555.1	3698.9	3892.9	4020.0	4093.5	4056.8	4009.9
22.5°	3013.3	2999.9	3063.5	3267.5	3521.6	3779.2	3963.1	4106.9	4147.1	4023.3	3923.0
25°	2438.1	2444.8	2484.9	2585.2	2782.5	3020.0	3428.0	3866.1	4170.5	4123.6	3973.1
27.5°	2127.0	2107.0	2117.0	2133.7	2107.0	2056.8	2103.6	2093.6	2086.9	2207.3	2220.7
30°	1561.8	1565.2	1581.9	1612.0	1675.5	1769.2	1869.5	1926.4	1976.5	2070.2	2056.8
32.5°	1551.8	1555.1	1565.2	1591.9	1625.4	1688.9	1752.5	1775.9	1829.4	1906.3	1882.9
35°	1451.5	1441.4	1468.2	1491.6	1501.6	1528.4	1578.6	1612.0	1645.4	1699.0	1685.6
37.5°	1287.6	1290.9	1344.4	1381.2	1391.3	1428.1	1474.9	1501.6	1538.4	1585.2	1561.8
40°	1147.1	1150.5	1214.0	1254.1	1277.6	1327.7	1398.0	1431.4	1491.6	1528.4	1501.6
42.5°	986.6	1000.0	1043.5	1090.3	1103.7	1133.7	1180.6	1224.0	1301.0	1351.1	1334.4
45°	822.7	829.4	859.5	906.3	926.4	959.8	1003.3	1043.5	1103.7	1143.8	1140.4
47.5°	725.7	732.4	759.2	799.3	839.4	882.9	929.7	969.9	1026.7	1060.2	1046.8
50°	685.6	692.3	725.7	772.6	822.7	879.6	936.4	979.9	1033.4	1053.5	1036.8
52.5°	692.3	692.3	739.1	799.3	869.5	946.5	1016.7	1070.2	1113.7	1127.1	1090.3
55°	655.5	665.5	715.7	799.3	906.3	1026.7	1147.1	1260.8	1324.4	1311.0	1240.8
57.5°	598.6	608.7	645.5	735.8	849.5	993.3	1163.8	1304.3	1381.2	1391.3	1321.0
60°	565.2	571.9	605.3	675.6	775.9	893.0	1046.8	1160.5	1247.5	1274.2	1224.0
62.5°	535.1	541.8	568.5	622.1	695.6	785.9	872.9	946.5	1016.7	1043.5	1023.4
65°	501.7	505.0	531.8	578.6	638.8	715.7	789.3	842.8	899.6	916.4	893.0
67.5°	468.2	471.6	495.0	538.4	595.3	665.5	722.4	782.6	839.4	852.8	836.1
70°	438.1	441.5	461.5	501.7	551.8	618.7	672.2	712.4	769.2	782.6	762.5
72.5°	408.0	411.4	431.4	468.2	515.0	575.2	622.1	662.2	709.0	712.4	695.6
75°	377.9	381.3	398.0	431.4	471.6	531.8	575.2	608.7	648.8	648.8	628.7
77.5°	344.5	351.2	364.5	394.6	431.4	488.3	528.4	561.9	595.3	592.0	571.9
80°	314.4	317.7	331.1	357.9	391.3	444.8	484.9	511.7	541.8	538.4	521.7
82.5°	280.9	284.3	294.3	321.1	351.2	401.3	441.5	468.2	495.0	488.3	471.6
85°	247.5	250.8	264.2	284.3	314.4	361.2	398.0	424.7	444.8	438.1	424.7
87.5°	220.7	220.7	230.8	250.8	277.6	321.1	354.5	381.3	398.0	394.6	381.3
90°	190.6	194.0	200.7	217.4	240.8	277.6	311.0	334.4	351.2	344.5	331.1
92.5°	167.2	167.2	173.9	190.6	210.7	244.1	274.2	294.3	307.7	304.3	294.3
95°	143.8	147.2	150.5	163.9	180.6	207.4	234.1	254.2	267.6	264.2	257.5
97.5°	127.1	130.4	133.8	140.5	157.2	173.9	197.3	214.0	227.4	224.1	217.4
100°	117.1	117.1	117.1	123.7	133.8	147.2	163.9	177.3	183.9	187.3	180.6
102.5°	107.0	107.0	110.4	110.4	117.1	123.7	133.8	143.8	147.2	147.2	147.2
105°	103.7	103.7	107.0	107.0	110.4	113.7	120.4	123.7	127.1	127.1	123.7
107.5°	103.7	103.7	103.7	103.7	107.0	110.4	113.7	117.1	117.1	117.1	113.7
110°	107.0	107.0	107.0	107.0	107.0	110.4	110.4	113.7	113.7	110.4	110.4

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	110.4	110.4	110.4	110.4	110.4	113.7	113.7	113.7	113.7	110.4	110.4
115°	117.1	117.1	117.1	120.4	120.4	120.4	120.4	120.4	120.4	117.1	113.7
117.5°	130.4	130.4	130.4	130.4	133.8	133.8	133.8	133.8	133.8	127.1	127.1
120°	147.2	143.8	147.2	150.5	153.8	153.8	153.8	153.8	153.8	147.2	143.8
122.5°	163.9	163.9	167.2	173.9	180.6	183.9	180.6	180.6	180.6	170.6	167.2
125°	183.9	183.9	194.0	207.4	217.4	220.7	217.4	217.4	217.4	207.4	200.7
127.5°	207.4	207.4	220.7	240.8	257.5	267.6	264.2	264.2	264.2	247.5	237.5
130°	230.8	230.8	250.8	277.6	304.3	311.0	314.4	317.7	317.7	297.7	284.3
132.5°	247.5	250.8	274.2	311.0	344.5	354.5	364.5	367.9	367.9	344.5	324.4
135°	264.2	267.6	297.7	341.1	377.9	401.3	411.4	414.7	418.0	391.3	367.9
137.5°	274.2	277.6	311.0	361.2	398.0	428.1	451.5	458.2	458.2	428.1	398.0
140°	274.2	277.6	314.4	361.2	401.3	438.1	464.9	478.2	478.2	448.1	421.4
142.5°	267.6	274.2	307.7	354.5	394.6	431.4	461.5	474.9	474.9	448.1	421.4
145°	254.2	257.5	291.0	331.1	371.2	414.7	448.1	461.5	461.5	434.8	408.0
147.5°	230.8	234.1	260.9	297.7	337.8	381.3	414.7	431.4	428.1	404.7	381.3
150°	200.7	200.7	224.1	254.2	294.3	334.4	367.9	384.6	384.6	361.2	341.1
152.5°	163.9	163.9	180.6	204.0	237.5	277.6	304.3	321.1	321.1	304.3	287.6
155°	127.1	127.1	140.5	157.2	183.9	214.0	234.1	250.8	250.8	237.5	224.1
157.5°	90.3	90.3	103.7	117.1	137.1	160.5	177.3	187.3	190.6	177.3	170.6
160°	60.2	60.2	66.9	76.9	93.6	110.4	120.4	130.4	133.8	123.7	120.4
162.5°	33.4	33.4	36.8	46.8	56.9	66.9	76.9	83.6	83.6	80.3	76.9
165°	10.0	10.0	13.4	16.7	23.4	30.1	33.4	36.8	40.1	40.1	36.8
167.5°	0.0	0.0	3.3	3.3	3.3	3.3	6.7	6.7	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	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°	179°	180°
0°	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8	6601.8
2.5°	6066.7	6254.0	6458.0	6655.3	6896.1	7147.0	7377.7	7534.9	7618.5	7645.3	7645.3
5°	5655.4	5825.9	5976.4	6163.7	6454.7	6832.6	7250.6	7598.5	7795.8	7819.2	7822.5
7.5°	5013.2	5153.7	5310.9	5478.1	5735.6	6073.4	6625.2	7187.1	7508.2	7568.4	7545.0
10°	4488.2	4575.1	4668.8	4732.3	4912.9	5163.7	5538.3	6090.1	6484.8	6531.6	6565.0
12.5°	4244.0	4257.4	4230.7	4244.0	4304.2	4421.3	4605.2	4922.9	5180.5	5223.9	5247.4
15°	4120.3	4053.4	3946.4	3846.1	3792.5	3802.6	3842.7	3973.1	4016.6	4090.2	4056.8
17.5°	4063.4	3912.9	3745.7	3551.7	3431.3	3307.6	3240.7	3217.3	3200.6	3203.9	3234.0
20°	3919.6	3749.1	3481.5	3227.3	3033.4	2862.8	2719.0	2615.3	2558.5	2531.7	2551.8
22.5°	3769.1	3504.9	3190.6	2916.3	2638.7	2421.3	2257.5	2107.0	2023.4	2046.8	2020.0
25°	3772.5	3377.8	3003.3	2642.1	2381.2	2093.6	1832.7	1675.5	1538.4	1565.2	1602.0
27.5°	2377.9	2274.2	2006.6	1795.9	1535.1	1391.3	1260.8	1150.5	1073.6	1076.9	1066.9
30°	2016.7	1909.6	1775.9	1608.7	1411.3	1244.1	1093.6	966.5	893.0	872.9	869.5
32.5°	1862.8	1772.5	1648.8	1484.9	1304.3	1137.1	986.6	869.5	796.0	792.6	792.6
35°	1658.8	1575.2	1471.5	1331.1	1177.2	1023.4	882.9	782.6	722.4	722.4	719.0
37.5°	1531.7	1458.2	1357.8	1227.4	1090.3	936.4	812.7	722.4	658.8	655.5	658.8
40°	1464.8	1387.9	1290.9	1167.2	1030.1	882.9	765.9	672.2	625.4	622.1	618.7
42.5°	1331.1	1270.9	1187.3	1073.6	953.2	822.7	712.4	628.7	588.6	585.3	588.6
45°	1130.4	1086.9	1030.1	946.5	846.1	735.8	638.8	575.2	535.1	535.1	535.1
47.5°	1036.8	996.6	933.1	849.5	762.5	658.8	578.6	525.1	488.3	488.3	488.3
50°	1013.4	963.2	879.6	785.9	692.3	602.0	528.4	474.9	448.1	444.8	448.1
52.5°	1046.8	969.9	856.2	745.8	642.1	555.2	484.9	434.8	408.0	408.0	408.0
55°	1167.2	1026.7	876.2	735.8	612.0	515.0	444.8	394.6	367.9	364.5	367.9
57.5°	1247.5	1070.2	882.9	725.7	592.0	488.3	411.4	357.9	331.1	327.8	331.1
60°	1177.2	1033.4	852.8	699.0	575.2	468.2	387.9	334.4	307.7	304.3	304.3
62.5°	976.6	893.0	762.5	632.1	531.8	438.1	364.5	314.4	287.6	284.3	287.6
65°	866.2	792.6	678.9	575.2	488.3	408.0	344.5	301.0	274.2	274.2	274.2
67.5°	806.0	739.1	632.1	531.8	451.5	377.9	317.7	277.6	254.2	254.2	254.2
70°	735.8	668.9	571.9	481.6	408.0	344.5	291.0	250.8	230.8	227.4	230.8
72.5°	675.6	608.7	518.4	434.8	367.9	311.0	264.2	227.4	210.7	207.4	210.7
75°	608.7	545.1	458.2	384.6	327.8	277.6	237.5	204.0	190.6	187.3	187.3
77.5°	551.8	491.6	411.4	344.5	294.3	247.5	210.7	187.3	173.9	170.6	170.6
80°	501.7	444.8	367.9	307.7	260.9	220.7	190.6	167.2	153.8	153.8	153.8
82.5°	448.1	398.0	327.8	270.9	230.8	197.3	167.2	147.2	137.1	137.1	137.1
85°	404.7	354.5	287.6	240.8	200.7	170.6	147.2	130.4	120.4	120.4	120.4
87.5°	357.9	314.4	254.2	210.7	177.3	150.5	127.1	110.4	107.0	103.7	103.7
90°	311.0	270.9	217.4	180.6	150.5	127.1	107.0	93.6	90.3	87.0	87.0
92.5°	277.6	240.8	197.3	163.9	137.1	113.7	100.3	87.0	83.6	83.6	80.3
95°	240.8	210.7	173.9	147.2	123.7	107.0	93.6	83.6	80.3	80.3	76.9
97.5°	207.4	180.6	153.8	133.8	113.7	100.3	87.0	80.3	73.6	73.6	73.6
100°	173.9	153.8	133.8	113.7	103.7	90.3	80.3	73.6	70.2	66.9	66.9
102.5°	140.5	127.1	110.4	100.3	87.0	76.9	70.2	63.5	60.2	60.2	60.2
105°	120.4	110.4	100.3	90.3	80.3	70.2	63.5	56.9	53.5	53.5	53.5
107.5°	110.4	103.7	93.6	83.6	76.9	66.9	60.2	50.2	46.8	50.2	50.2
110°	107.0	100.3	90.3	83.6	73.6	66.9	60.2	46.8	43.5	46.8	46.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	107.0	100.3	93.6	83.6	76.9	66.9	60.2	46.8	43.5	43.5	43.5
115°	110.4	107.0	97.0	90.3	80.3	70.2	60.2	46.8	43.5	43.5	43.5
117.5°	123.7	117.1	107.0	97.0	87.0	73.6	63.5	46.8	43.5	43.5	43.5
120°	137.1	130.4	120.4	107.0	93.6	80.3	66.9	46.8	40.1	43.5	43.5
122.5°	160.5	150.5	137.1	120.4	103.7	87.0	66.9	50.2	36.8	43.5	43.5
125°	190.6	177.3	157.2	133.8	113.7	93.6	70.2	50.2	40.1	43.5	43.5
127.5°	224.1	207.4	180.6	150.5	123.7	97.0	73.6	50.2	40.1	40.1	43.5
130°	267.6	240.8	204.0	167.2	133.8	103.7	73.6	50.2	40.1	40.1	40.1
132.5°	304.3	270.9	224.1	180.6	140.5	107.0	73.6	50.2	36.8	36.8	36.8
135°	341.1	297.7	240.8	190.6	147.2	107.0	73.6	46.8	36.8	36.8	36.8
137.5°	371.2	314.4	254.2	194.0	147.2	103.7	70.2	43.5	33.4	33.4	33.4
140°	387.9	324.4	257.5	194.0	140.5	100.3	63.5	40.1	30.1	30.1	30.1
142.5°	387.9	321.1	254.2	187.3	133.8	93.6	56.9	33.4	26.8	26.8	26.8
145°	374.6	307.7	240.8	177.3	123.7	83.6	50.2	30.1	20.1	20.1	23.4
147.5°	351.2	284.3	220.7	160.5	110.4	70.2	43.5	23.4	16.7	16.7	16.7
150°	311.0	250.8	190.6	140.5	93.6	60.2	36.8	20.1	13.4	13.4	13.4
152.5°	260.9	207.4	160.5	117.1	76.9	46.8	26.8	16.7	10.0	10.0	10.0
155°	207.4	163.9	127.1	90.3	56.9	36.8	20.1	13.4	10.0	10.0	10.0
157.5°	153.8	123.7	93.6	66.9	43.5	26.8	16.7	10.0	6.7	6.7	6.7
160°	107.0	87.0	63.5	43.5	26.8	16.7	10.0	6.7	3.3	3.3	3.3
162.5°	70.2	53.5	40.1	26.8	16.7	10.0	6.7	3.3	3.3	3.3	3.3
165°	33.4	26.8	20.1	13.4	6.7	6.7	3.3	3.3	0.0	0.0	0.0
167.5°	10.0	6.7	3.3	3.3	3.3	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

(END OF REPORT)