

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: P690962

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690962
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-C01-D-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: 7259 lumens
Efficiency: N/A
Efficacy: 119.0 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): 61
Input Voltage (V): NR
Input Current (A_{in}): 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



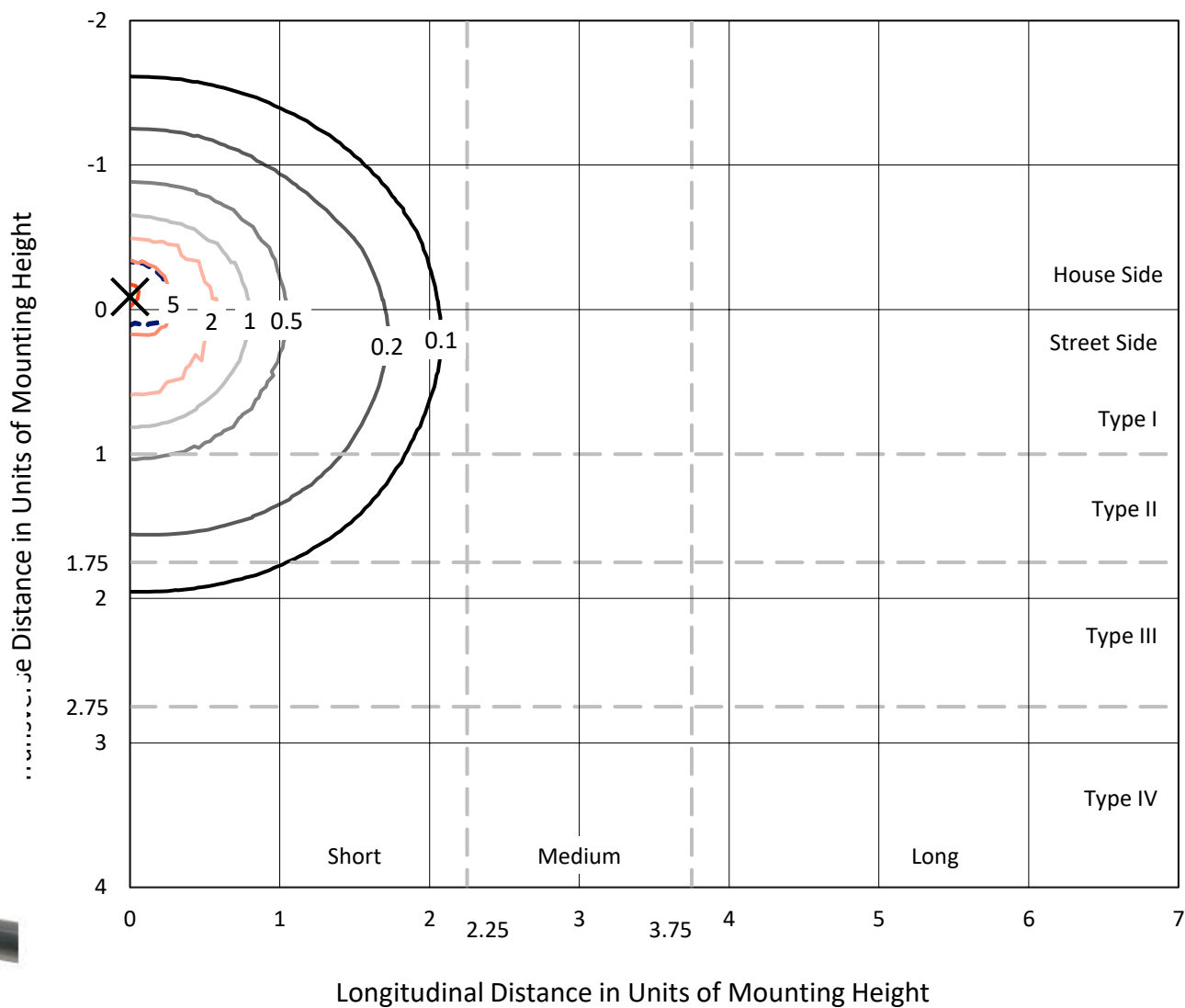
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



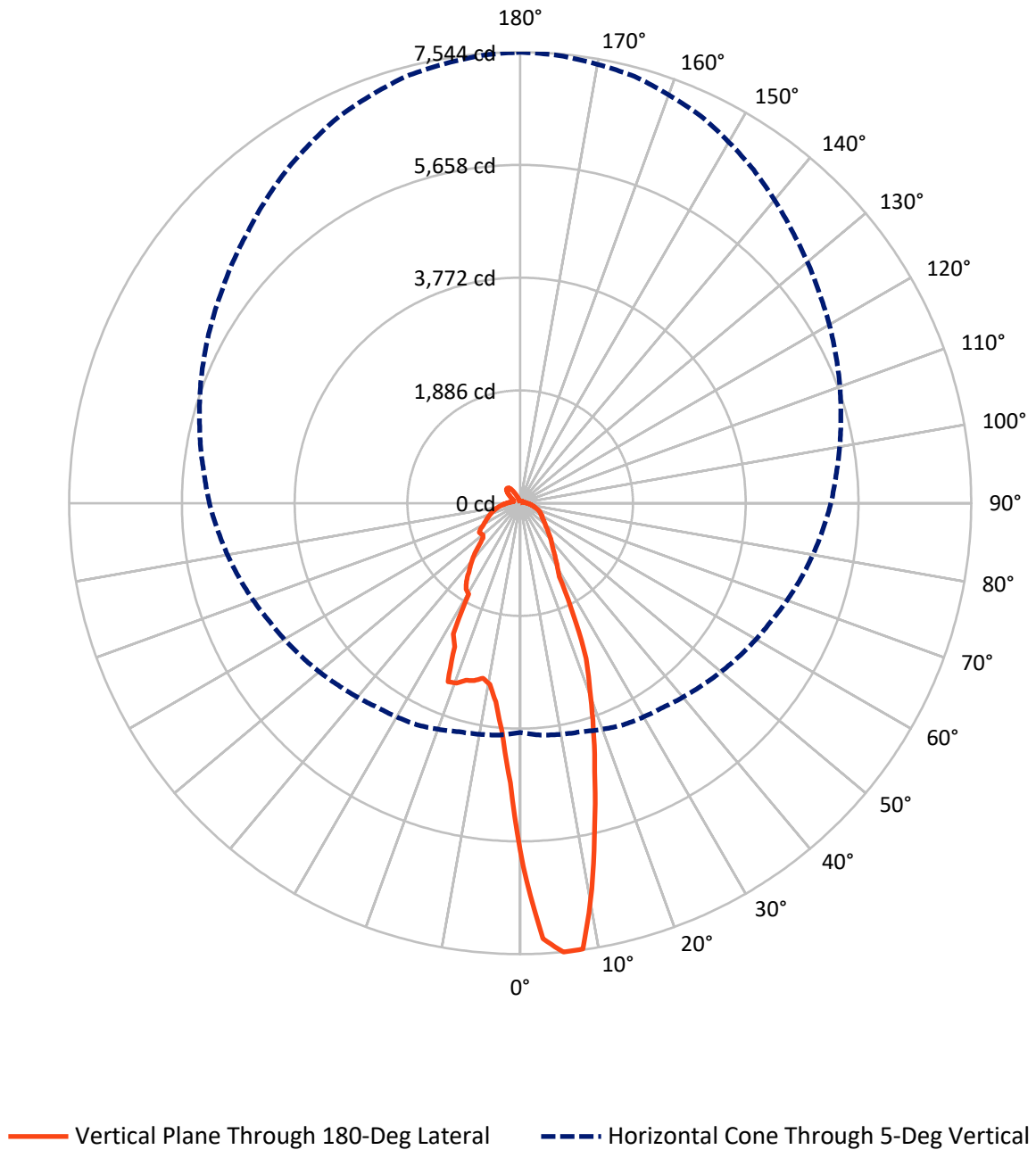
Based on 25 foot mounting height. Maximum calculated value = 11.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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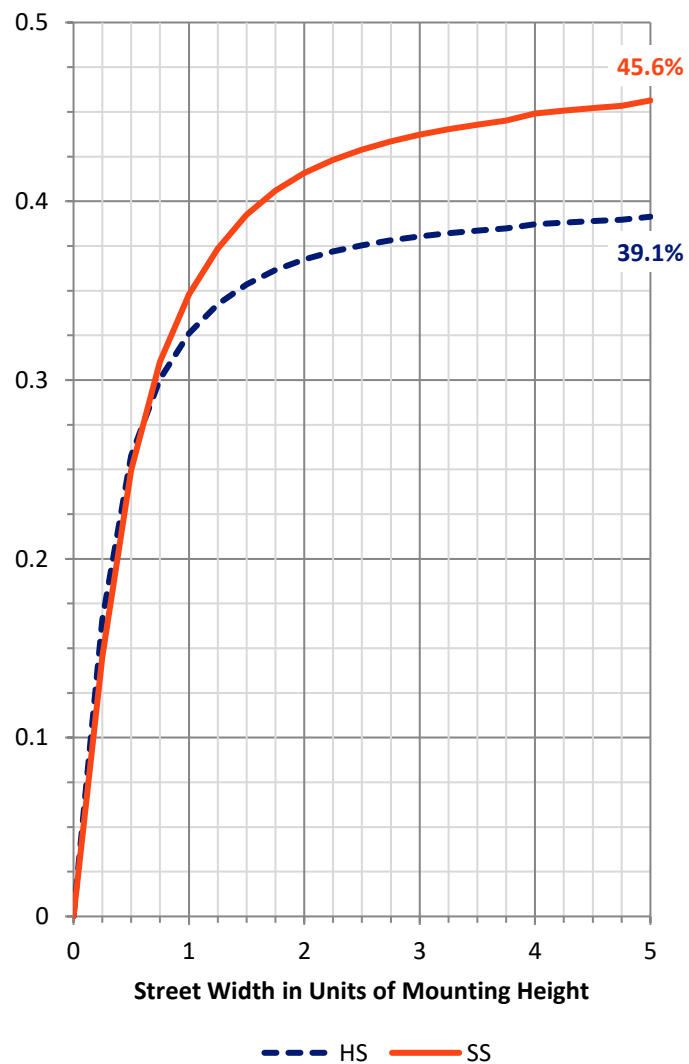
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2917.5	312.8	3230.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3404.7	624.0	4028.6
	% Fixture	46.9	8.6	55.5
Total	Lumens	6322.2	936.8	7259.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.9	6.7
10°-20°	1046.5	14.4
20°-30°	1152.3	15.9
30°-40°	846.7	11.7
40°-50°	709.4	9.8
50°-60°	711.8	9.8
60°-70°	609.6	8.4
70°-80°	454.2	6.3
80°-90°	303.9	4.2
90°-100°	180.5	2.5
100°-110°	104.8	1.4
110°-120°	97.5	1.3
120°-130°	141.4	1.9
130°-140°	190.3	2.6
140°-150°	154.1	2.1
150°-160°	60.9	0.8
160°-170°	7.4	0.1
170°-180°	0.0	0.0
0°-90°	6322.2	87.1
0°-180°	7259.0	100.0

Coefficient of Utilization



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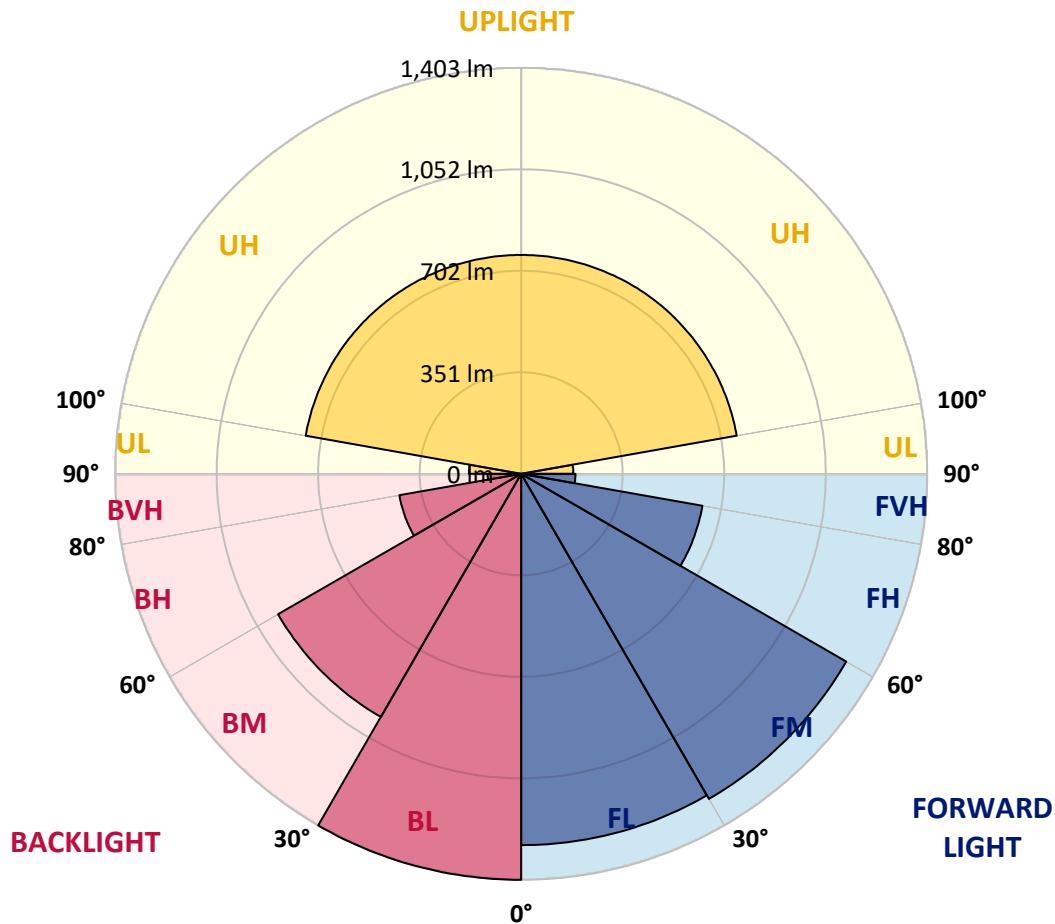
CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1283.4	17.7			
FM	(30°-60°)	1297.5	17.9			
FH	(60°-80°)	636.2	8.8			G0/660
FVH	(80°-90°)	187.6	2.6			G2/225
BL	(0°-30°)	1403.2	19.3	B3/2500		
BM	(30°-60°)	970.4	13.4	B1/1000		
BH	(60°-80°)	427.6	5.9	B1/500		G1/500
BVH	(80°-90°)	116.3	1.6			G2/225
UL	(90°-100°)	180.5	2.5		U3/500	
UH	(100°-180°)	756.3	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°	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5
2.5°	4681.3	4750.5	4785.1	4888.9	4923.4	4989.7	5090.6	5191.5	5361.6	5488.4	5586.4
5°	3836.7	3894.4	3957.8	4090.4	4168.2	4306.6	4468.0	4641.0	4860.0	5082.0	5197.3
7.5°	3343.8	3358.2	3450.4	3611.9	3753.1	3900.1	4076.0	4225.9	4375.8	4557.4	4672.7
10°	3072.8	3093.0	3153.5	3277.5	3398.6	3519.6	3658.0	3773.3	3926.1	4078.9	4148.0
12.5°	2992.1	3000.8	3052.7	3124.7	3202.5	3280.4	3387.0	3490.8	3626.3	3758.9	3805.0
15°	3064.2	3064.2	3072.8	3101.7	3142.0	3202.5	3283.3	3372.6	3496.6	3594.6	3643.6
17.5°	3098.8	3101.7	3124.7	3130.5	3168.0	3193.9	3266.0	3335.1	3453.3	3534.0	3560.0
20°	3191.0	3191.0	3193.9	3208.3	3214.1	3228.5	3260.2	3297.7	3395.7	3438.9	3433.2
22.5°	3219.8	3208.3	3254.4	3338.0	3335.1	3338.0	3309.2	3317.9	3372.6	3355.3	3315.0
25°	2643.3	2628.9	2680.8	2732.7	2807.6	2902.8	3139.1	3323.6	3392.8	3338.0	3248.7
27.5°	2458.8	2395.4	2381.0	2257.1	2144.6	1960.2	1942.9	1827.6	1816.0	1888.1	1954.4
30°	1746.8	1749.7	1746.8	1735.3	1726.7	1735.3	1744.0	1723.8	1729.5	1775.7	1755.5
32.5°	1703.6	1703.6	1692.1	1686.3	1660.4	1651.7	1637.3	1599.8	1605.6	1640.2	1631.5
35°	1588.3	1582.5	1585.4	1571.0	1524.9	1487.4	1481.6	1449.9	1449.9	1470.1	1461.5
37.5°	1415.3	1406.7	1441.3	1438.4	1400.9	1386.5	1372.1	1351.9	1351.9	1369.2	1351.9
40°	1279.9	1274.1	1311.6	1323.1	1300.0	1305.8	1308.7	1291.4	1308.7	1311.6	1288.5
42.5°	1135.7	1132.9	1164.6	1161.7	1141.5	1138.6	1135.7	1124.2	1153.0	1176.1	1158.8
45°	965.7	957.0	980.1	988.7	983.0	974.3	971.4	971.4	988.7	1000.3	983.0
47.5°	853.2	856.1	873.4	893.6	899.4	905.1	902.2	896.5	908.0	910.9	896.5
50°	815.8	818.7	844.6	867.7	885.0	896.5	896.5	887.8	896.5	887.8	867.7
52.5°	833.1	833.1	867.7	902.2	931.1	951.3	954.1	942.6	942.6	919.5	887.8
55°	838.8	844.6	890.7	948.4	1000.3	1055.0	1081.0	1072.3	1081.0	1032.0	980.1
57.5°	784.1	798.5	844.6	913.8	983.0	1069.4	1124.2	1130.0	1127.1	1083.9	1020.4
60°	712.0	723.5	755.2	815.8	882.1	951.3	1006.0	1017.6	1029.1	1008.9	951.3
62.5°	663.0	668.8	694.7	737.9	784.1	821.5	841.7	838.8	850.4	844.6	801.4
65°	619.8	622.6	651.5	686.1	714.9	752.4	758.1	758.1	766.8	755.2	720.6
67.5°	573.6	573.6	596.7	628.4	663.0	694.7	703.3	706.2	717.8	706.2	680.3
70°	533.3	533.3	553.5	579.4	605.3	637.1	645.7	648.6	663.0	648.6	622.6
72.5°	495.8	495.8	513.1	536.2	559.2	585.2	593.8	596.7	608.2	593.8	573.6
75°	455.4	458.3	472.7	492.9	513.1	536.2	547.7	547.7	556.3	539.0	521.7
77.5°	415.1	418.0	432.4	449.7	467.0	490.0	495.8	498.7	507.3	490.0	472.7
80°	374.7	380.5	392.0	406.4	423.7	441.0	452.6	452.6	458.3	441.0	429.5
82.5°	337.3	343.0	351.7	363.2	380.5	397.8	409.3	409.3	412.2	397.8	383.4
85°	299.8	305.6	314.2	322.8	337.3	354.6	366.1	366.1	369.0	354.6	343.0
87.5°	265.2	271.0	276.7	285.4	296.9	314.2	325.7	325.7	325.7	314.2	302.7
90°	230.6	233.5	239.3	247.9	259.4	273.8	282.5	285.4	285.4	271.0	265.2
92.5°	204.7	204.7	210.4	216.2	227.7	239.3	247.9	250.8	250.8	242.1	233.5
95°	175.8	178.7	181.6	187.4	196.0	204.7	216.2	216.2	216.2	210.4	204.7
97.5°	155.7	152.8	155.7	158.5	167.2	173.0	181.6	184.5	184.5	178.7	175.8
100°	132.6	135.5	135.5	138.4	141.2	144.1	149.9	152.8	152.8	149.9	149.9
102.5°	124.0	121.1	121.1	121.1	121.1	121.1	124.0	124.0	126.8	124.0	121.1
105°	115.3	115.3	115.3	115.3	112.4	112.4	112.4	112.4	109.5	106.7	106.7
107.5°	112.4	112.4	112.4	112.4	109.5	109.5	106.7	106.7	103.8	100.9	98.0
110°	112.4	112.4	112.4	112.4	109.5	106.7	106.7	103.8	100.9	98.0	95.1

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CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	118.2	118.2	118.2	118.2	112.4	109.5	106.7	106.7	100.9	98.0	95.1
115°	129.7	129.7	126.8	126.8	124.0	118.2	115.3	112.4	109.5	103.8	100.9
117.5°	141.2	141.2	141.2	141.2	138.4	132.6	126.8	124.0	121.1	112.4	109.5
120°	161.4	161.4	161.4	164.3	158.5	152.8	147.0	141.2	138.4	129.7	124.0
122.5°	187.4	184.5	190.3	193.1	190.3	181.6	173.0	167.2	161.4	149.9	144.1
125°	213.3	213.3	219.1	227.7	227.7	219.1	207.5	198.9	193.1	175.8	167.2
127.5°	245.0	245.0	253.7	268.1	271.0	262.3	250.8	239.3	230.6	207.5	198.9
130°	273.8	273.8	291.1	308.4	317.1	308.4	296.9	282.5	271.0	245.0	230.6
132.5°	296.9	299.8	320.0	343.0	354.6	351.7	337.3	325.7	314.2	282.5	265.2
135°	320.0	322.8	345.9	374.7	389.1	389.1	377.6	363.2	348.8	314.2	294.0
137.5°	331.5	334.4	363.2	392.0	409.3	415.1	409.3	394.9	380.5	343.0	317.1
140°	331.5	337.3	366.1	394.9	412.2	420.9	420.9	406.4	392.0	357.4	331.5
142.5°	322.8	328.6	354.6	383.4	400.7	412.2	415.1	403.6	389.1	354.6	328.6
145°	305.6	308.4	334.4	360.3	377.6	392.0	397.8	389.1	371.9	343.0	317.1
147.5°	276.7	276.7	299.8	320.0	343.0	357.4	366.1	360.3	345.9	320.0	296.9
150°	236.4	236.4	253.7	273.8	294.0	311.3	320.0	320.0	305.6	285.4	262.3
152.5°	187.4	190.3	201.8	219.1	239.3	253.7	265.2	265.2	256.5	239.3	219.1
155°	144.1	144.1	152.8	164.3	181.6	196.0	204.7	204.7	198.9	184.5	173.0
157.5°	103.8	103.8	109.5	121.1	132.6	144.1	152.8	152.8	147.0	138.4	129.7
160°	69.2	69.2	72.1	80.7	89.4	98.0	103.8	106.7	103.8	98.0	89.4
162.5°	37.5	37.5	40.4	46.1	51.9	60.5	63.4	66.3	66.3	60.5	57.7
165°	11.5	11.5	11.5	17.3	20.2	25.9	28.8	31.7	31.7	31.7	28.8
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.6	8.6	8.6	8.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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°	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5	6076.5
2.5°	5678.7	5892.0	6128.4	6370.5	6618.4	6851.9	7047.9	7203.6	7287.2	7307.3	7295.8
5°	5301.1	5551.8	5828.6	6111.1	6433.9	6805.8	7145.9	7390.9	7517.8	7537.9	7543.7
7.5°	4762.0	4981.1	5252.1	5577.8	5984.2	6382.0	6906.7	7272.8	7477.4	7532.2	7532.2
10°	4194.2	4387.3	4557.4	4842.7	5197.3	5569.1	6015.9	6353.2	6560.8	6627.1	6569.4
12.5°	3874.2	3957.8	4073.1	4283.5	4505.5	4788.0	5174.2	5393.3	5528.8	5569.1	5534.6
15°	3669.5	3712.8	3761.8	3851.1	4006.8	4182.6	4410.3	4545.8	4629.4	4678.4	4661.1
17.5°	3571.5	3571.5	3562.9	3583.0	3623.4	3704.1	3859.8	3908.8	3946.3	3966.4	3954.9
20°	3421.6	3375.5	3338.0	3280.4	3257.3	3254.4	3291.9	3343.8	3340.9	3343.8	3320.7
22.5°	3271.7	3176.6	3084.4	2997.9	2899.9	2850.9	2816.3	2833.6	2819.2	2833.6	2819.2
25°	3199.7	3006.5	2822.0	2611.6	2435.8	2300.3	2210.9	2156.2	2063.9	2098.5	2066.8
27.5°	1986.1	1905.4	1827.6	1671.9	1524.9	1473.0	1429.8	1406.7	1389.4	1398.1	1392.3
30°	1720.9	1654.6	1594.1	1513.4	1400.9	1331.8	1279.9	1233.7	1219.3	1222.2	1219.3
32.5°	1596.9	1545.1	1470.1	1386.5	1285.6	1199.2	1138.6	1095.4	1072.3	1086.7	1075.2
35°	1429.8	1377.9	1314.5	1236.6	1150.1	1072.3	1014.7	974.3	948.4	954.1	951.3
37.5°	1320.2	1271.2	1216.4	1132.9	1057.9	983.0	925.3	885.0	859.0	864.8	859.0
40°	1256.8	1202.0	1144.4	1069.4	994.5	916.7	861.9	815.8	789.8	789.8	789.8
42.5°	1127.1	1083.9	1034.8	957.0	890.7	824.4	769.6	735.1	706.2	709.1	703.3
45°	962.8	931.1	893.6	841.7	786.9	735.1	688.9	663.0	639.9	642.8	639.9
47.5°	879.2	850.4	807.1	766.8	717.8	671.6	631.3	599.6	582.3	585.2	579.4
50°	847.5	812.9	763.9	709.1	663.0	616.9	576.5	553.5	536.2	539.0	536.2
52.5°	859.0	804.2	735.1	668.8	614.0	567.9	536.2	510.2	498.7	501.6	495.8
55°	934.0	838.8	735.1	651.5	582.3	530.4	498.7	469.9	458.3	458.3	458.3
57.5°	959.9	856.1	726.4	631.3	556.3	504.5	467.0	438.2	426.6	426.6	426.6
60°	899.4	810.0	691.8	602.5	533.3	484.3	452.6	432.4	423.7	423.7	423.7
62.5°	769.6	712.0	622.6	550.6	498.7	455.4	423.7	397.8	389.1	386.3	386.3
65°	697.6	642.8	567.9	507.3	461.2	426.6	397.8	377.6	366.1	366.1	366.1
67.5°	651.5	599.6	530.4	472.7	429.5	392.0	366.1	345.9	340.1	337.3	337.3
70°	599.6	550.6	481.4	429.5	389.1	357.4	331.5	314.2	308.4	308.4	305.6
72.5°	547.7	501.6	435.3	386.3	348.8	320.0	296.9	282.5	276.7	273.8	273.8
75°	498.7	452.6	392.0	345.9	311.3	285.4	265.2	250.8	245.0	245.0	245.0
77.5°	452.6	409.3	351.7	308.4	279.6	253.7	236.4	224.8	219.1	219.1	219.1
80°	409.3	366.1	314.2	273.8	245.0	224.8	210.4	198.9	193.1	196.0	193.1
82.5°	363.2	328.6	279.6	242.1	219.1	198.9	184.5	175.8	170.1	173.0	170.1
85°	325.7	291.1	245.0	213.3	190.3	173.0	161.4	152.8	147.0	149.9	147.0
87.5°	288.3	256.5	216.2	187.4	167.2	152.8	138.4	132.6	129.7	129.7	126.8
90°	247.9	219.1	184.5	161.4	141.2	129.7	118.2	112.4	109.5	106.7	106.7
92.5°	219.1	196.0	164.3	144.1	126.8	118.2	106.7	100.9	98.0	98.0	98.0
95°	193.1	173.0	147.0	129.7	118.2	106.7	98.0	95.1	92.2	92.2	89.4
97.5°	167.2	149.9	132.6	118.2	106.7	98.0	89.4	86.5	83.6	83.6	83.6
100°	141.2	129.7	115.3	103.8	95.1	89.4	80.7	77.8	74.9	74.9	74.9
102.5°	118.2	109.5	98.0	89.4	83.6	77.8	72.1	69.2	66.3	66.3	66.3
105°	103.8	95.1	89.4	80.7	74.9	69.2	66.3	60.5	57.7	57.7	57.7
107.5°	95.1	89.4	83.6	77.8	72.1	66.3	60.5	54.8	51.9	51.9	51.9
110°	92.2	86.5	80.7	74.9	69.2	63.4	60.5	51.9	49.0	49.0	49.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	92.2	89.4	83.6	77.8	72.1	66.3	60.5	49.0	46.1	46.1	46.1
115°	98.0	92.2	86.5	80.7	74.9	69.2	63.4	49.0	46.1	46.1	46.1
117.5°	106.7	100.9	92.2	86.5	80.7	72.1	63.4	51.9	46.1	46.1	46.1
120°	121.1	112.4	103.8	95.1	86.5	77.8	66.3	51.9	43.2	46.1	46.1
122.5°	138.4	129.7	115.3	103.8	95.1	83.6	69.2	54.8	43.2	46.1	46.1
125°	161.4	149.9	132.6	118.2	103.8	89.4	72.1	54.8	43.2	46.1	49.0
127.5°	187.4	170.1	149.9	129.7	112.4	95.1	77.8	57.7	43.2	49.0	49.0
130°	216.2	196.0	170.1	144.1	124.0	100.9	80.7	57.7	46.1	46.1	46.1
132.5°	247.9	219.1	184.5	155.7	129.7	103.8	80.7	57.7	46.1	46.1	46.1
135°	271.0	236.4	198.9	164.3	135.5	106.7	83.6	57.7	43.2	43.2	43.2
137.5°	291.1	250.8	210.4	170.1	138.4	106.7	80.7	54.8	43.2	40.4	40.4
140°	302.7	256.5	210.4	170.1	135.5	103.8	74.9	51.9	37.5	37.5	37.5
142.5°	302.7	253.7	207.5	164.3	126.8	98.0	72.1	46.1	34.6	34.6	34.6
145°	291.1	242.1	196.0	155.7	118.2	89.4	63.4	43.2	31.7	31.7	31.7
147.5°	271.0	222.0	178.7	141.2	103.8	77.8	54.8	34.6	25.9	25.9	25.9
150°	242.1	196.0	155.7	121.1	89.4	63.4	46.1	28.8	20.2	20.2	20.2
152.5°	201.8	164.3	126.8	100.9	72.1	51.9	34.6	23.1	17.3	17.3	17.3
155°	158.5	129.7	100.9	77.8	54.8	37.5	25.9	17.3	11.5	11.5	11.5
157.5°	121.1	98.0	74.9	57.7	40.4	28.8	20.2	11.5	8.6	8.6	8.6
160°	83.6	66.3	51.9	40.4	25.9	20.2	14.4	8.6	5.8	5.8	5.8
162.5°	54.8	43.2	31.7	23.1	17.3	11.5	8.6	5.8	2.9	2.9	2.9
165°	25.9	20.2	17.3	11.5	8.6	5.8	2.9	2.9	0.0	0.0	0.0
167.5°	8.6	5.8	5.8	2.9	2.9	2.9	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)