

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: P853393

Luminaire Tested: **CRTK-N-40-727-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-727-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

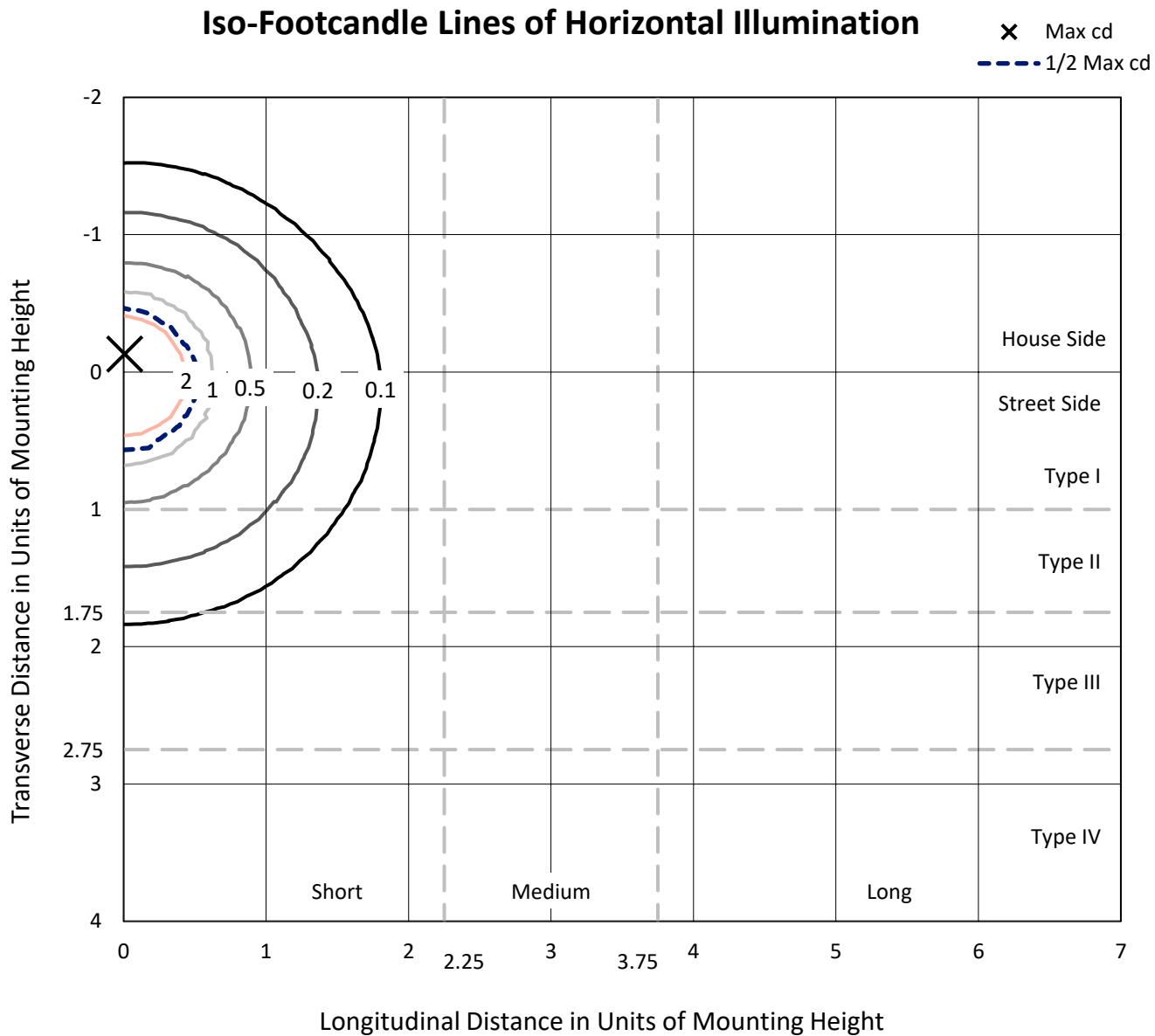
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4663 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

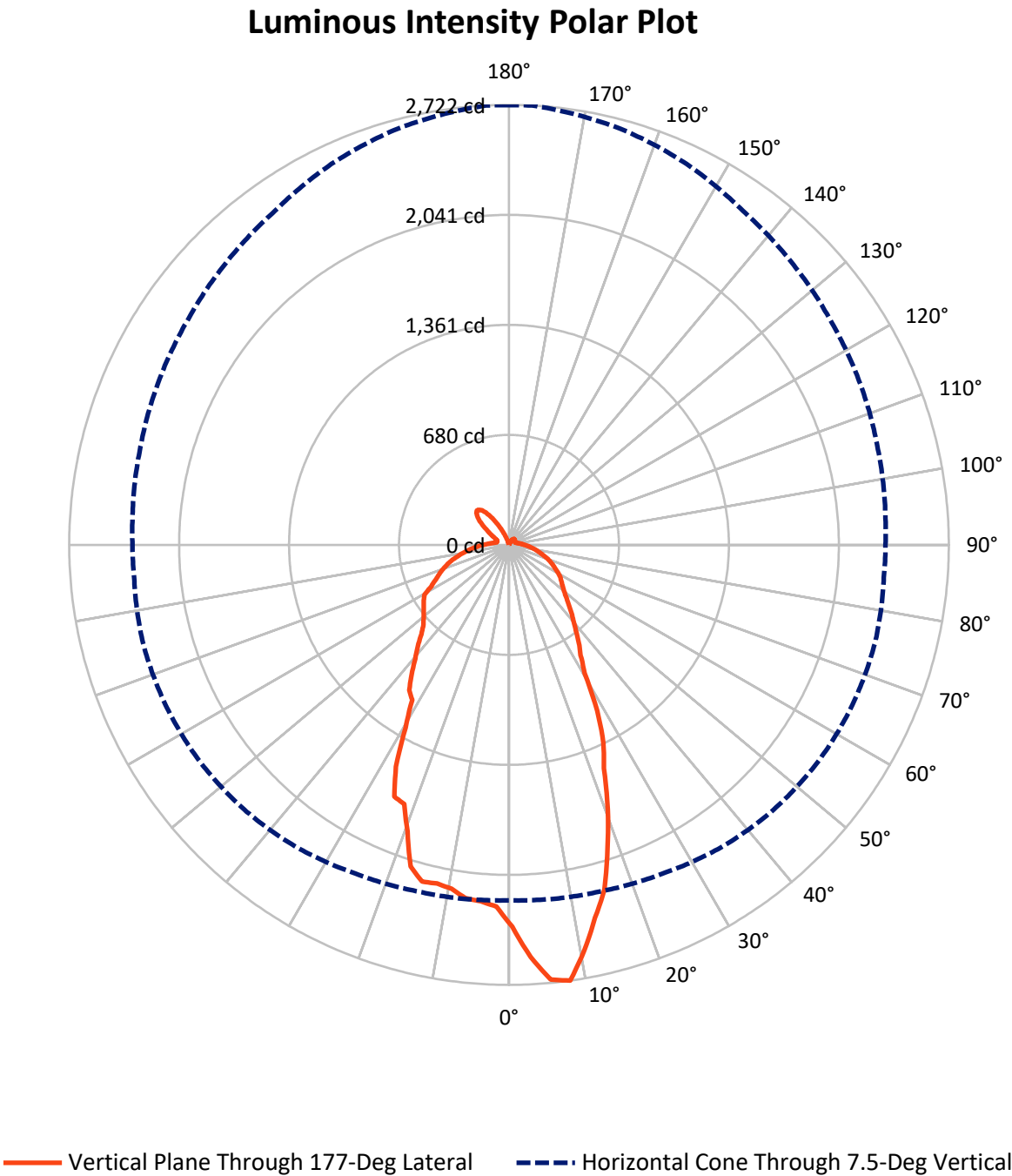


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Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type I - Short - N/A

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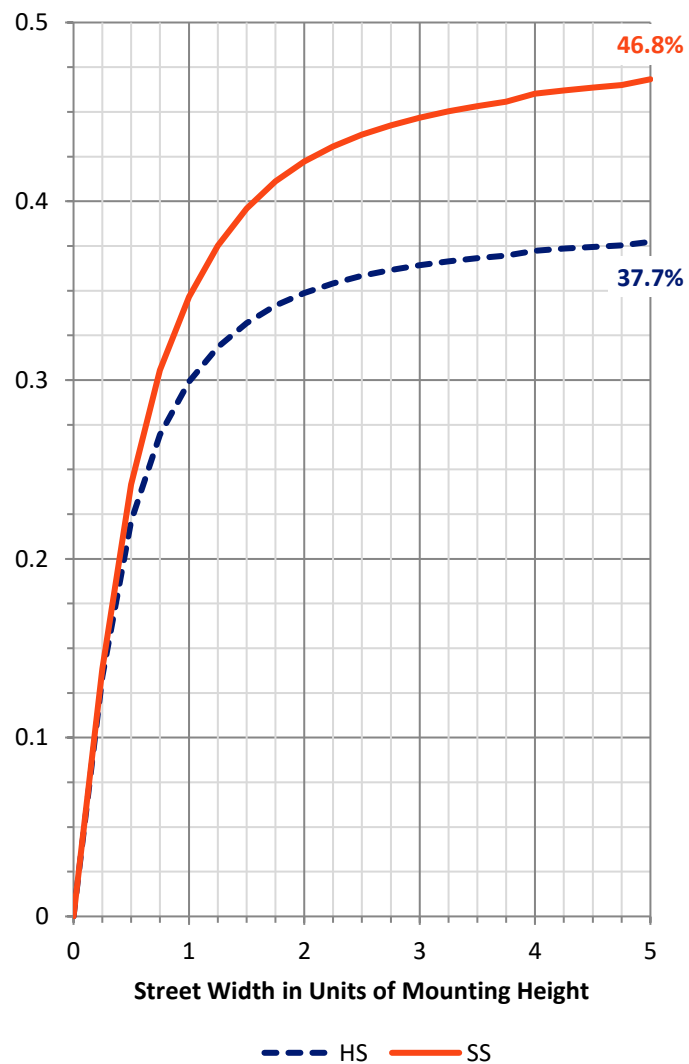
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1810.3	214.2	2024.4
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	2243.4	395.1	2638.6
	% Fixture	48.1	8.5	56.6
Total	Lumens	4053.7	609.3	4663.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	4.9
10°-20°	594.7	12.8
20°-30°	679.8	14.6
30°-40°	579.7	12.4
40°-50°	515.4	11.1
50°-60°	497.2	10.7
60°-70°	432.1	9.3
70°-80°	324.4	7.0
80°-90°	203.6	4.4
90°-100°	110.6	2.4
100°-110°	68.4	1.5
110°-120°	69.3	1.5
120°-130°	100.2	2.1
130°-140°	128.6	2.8
140°-150°	96.0	2.1
150°-160°	32.8	0.7
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-90°	4053.7	86.9
0°-180°	4663.0	100.0

Coefficient of Utilization



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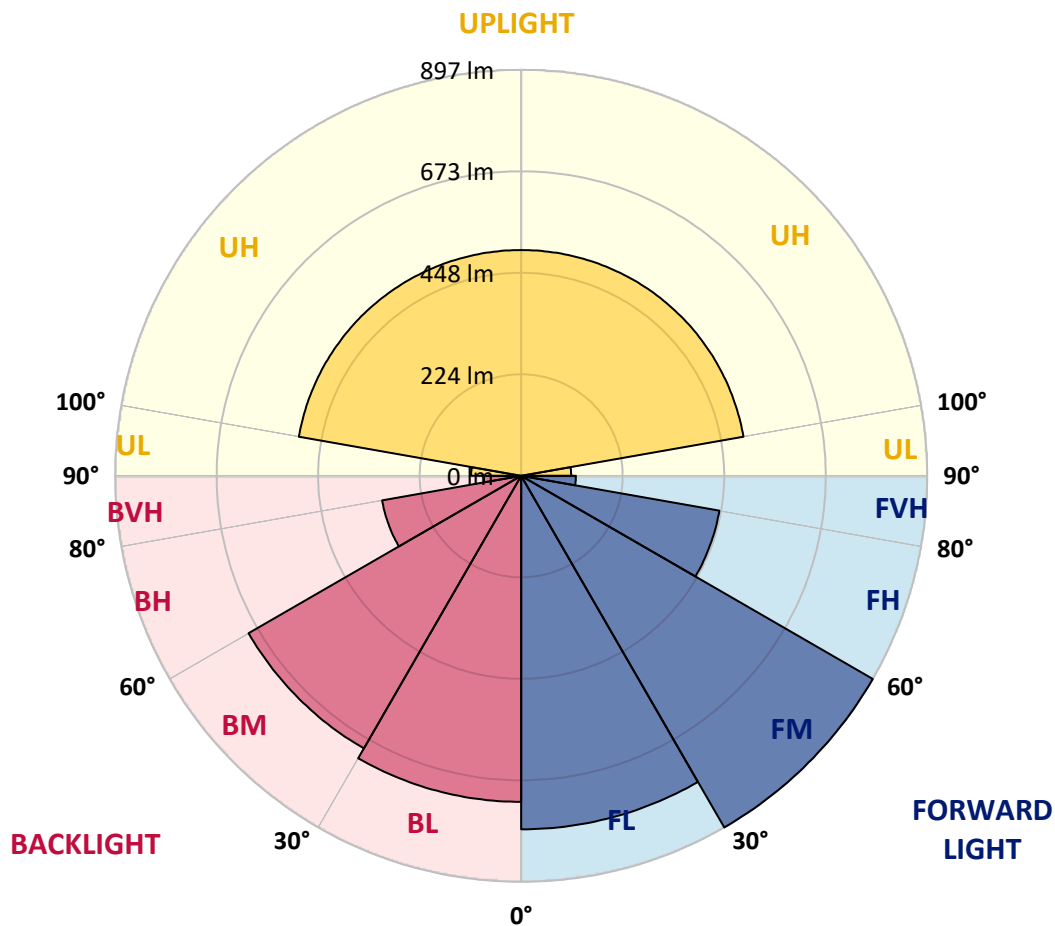
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	780.9	16.7			
FM	(30°-60°)	897.0	19.2			
FH	(60°-80°)	444.6	9.5			G0/660
FVH	(80°-90°)	120.9	2.6			G2/225
BL	(0°-30°)	720.3	15.4	B2/1000		
BM	(30°-60°)	695.3	14.9	B1/1000		
BH	(60°-80°)	311.9	6.7	B1/500		G1/500
BVH	(80°-90°)	82.7	1.8			G1/100
UL	(90°-100°)	110.6	2.4		U3/500	
UH	(100°-180°)	498.7	10.7		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1
2.5°	2237.9	2237.9	2249.8	2260.2	2273.6	2283.9	2298.8	2319.6	2335.9	2343.3	2355.2
5°	2209.7	2212.7	2229.0	2254.3	2279.5	2300.3	2325.5	2350.7	2367.0	2373.0	2384.9
7.5°	2199.3	2203.8	2217.2	2243.9	2285.4	2316.6	2335.9	2344.8	2344.8	2328.5	2329.9
10°	2151.9	2159.3	2175.6	2211.2	2252.8	2275.0	2273.6	2270.6	2255.7	2223.1	2215.7
12.5°	2141.5	2141.5	2166.7	2200.8	2232.0	2240.9	2229.0	2218.6	2187.5	2144.4	2131.1
15°	2141.5	2156.3	2177.1	2199.3	2218.6	2224.6	2223.1	2209.7	2180.1	2125.1	2102.9
17.5°	2071.7	2086.6	2082.1	2102.9	2123.7	2134.1	2131.1	2153.3	2180.1	2123.7	2094.0
20°	1877.3	1881.8	1892.2	1923.3	2055.4	2042.0	2030.2	2033.1	2003.5	1878.8	1843.2
22.5°	1714.1	1739.3	1789.8	1788.3	1804.6	1770.5	1813.5	1730.4	1773.4	1724.5	1693.3
25°	1708.1	1712.6	1638.4	1613.2	1648.8	1596.8	1583.5	1641.3	1650.3	1524.1	1485.5
27.5°	1530.0	1546.4	1549.3	1490.0	1463.3	1454.4	1362.3	1432.1	1421.7	1461.8	1424.7
30°	1271.8	1316.3	1292.6	1257.0	1239.2	1225.8	1208.0	1219.9	1185.7	1065.5	1046.2
32.5°	1130.8	1129.4	1126.4	1127.9	1110.1	1087.8	1071.5	1061.1	1043.3	1019.5	1004.7
35°	1090.8	1087.8	1077.4	1055.2	1043.3	1031.4	1021.0	1013.6	994.3	967.6	957.2
37.5°	998.8	1000.2	988.4	970.6	960.2	946.8	932.0	920.1	899.3	874.1	868.2
40°	911.2	911.2	902.3	880.0	866.7	851.8	840.0	829.6	813.3	794.0	789.5
42.5°	842.9	842.9	835.5	813.3	801.4	786.5	773.2	764.3	752.4	737.6	733.1
45°	771.7	773.2	767.2	752.4	743.5	731.6	716.8	706.4	693.0	679.7	676.7
47.5°	724.2	722.7	725.7	712.3	704.9	693.0	682.7	673.8	669.3	663.4	654.5
50°	693.0	694.5	697.5	694.5	700.5	688.6	678.2	673.8	660.4	641.1	627.7
52.5°	664.9	670.8	673.8	675.2	678.2	675.2	669.3	655.9	632.2	615.9	602.5
55°	647.0	650.0	651.5	658.9	660.4	654.5	648.5	641.1	623.3	607.0	596.6
57.5°	626.3	630.7	638.1	647.0	648.5	644.1	645.6	641.1	626.3	615.9	598.1
60°	604.0	608.5	605.5	612.9	615.9	617.4	611.4	615.9	602.5	578.8	562.5
62.5°	541.7	544.6	546.1	558.0	561.0	558.0	550.6	541.7	529.8	515.0	506.1
65°	503.1	504.6	506.1	513.5	512.0	510.5	504.6	498.6	492.7	482.3	474.9
67.5°	469.0	471.9	471.9	479.3	476.4	474.9	469.0	464.5	460.1	451.1	443.7
70°	437.8	442.2	439.3	446.7	443.7	440.8	434.8	430.4	425.9	417.0	411.1
72.5°	403.7	408.1	406.6	412.6	409.6	406.6	402.2	397.7	390.3	382.9	376.9
75°	369.5	372.5	371.0	376.9	374.0	371.0	363.6	360.6	354.7	347.3	338.4
77.5°	329.5	333.9	333.9	338.4	332.4	330.9	325.0	323.5	319.1	311.6	304.2
80°	293.8	298.3	298.3	299.8	295.3	293.8	287.9	287.9	282.0	276.0	270.1
82.5°	258.2	262.7	261.2	262.7	258.2	256.7	250.8	252.3	247.8	241.9	237.4
85°	224.1	228.5	225.6	227.1	222.6	219.6	216.7	218.2	215.2	209.2	204.8
87.5°	194.4	194.4	192.9	194.4	190.0	187.0	185.5	187.0	182.5	178.1	175.1
90°	163.2	164.7	163.2	164.7	160.3	158.8	157.3	157.3	154.3	149.9	146.9
92.5°	138.0	138.0	136.5	138.0	135.0	135.0	133.6	133.6	132.1	127.6	126.1
95°	115.8	115.8	115.8	115.8	114.3	114.3	114.3	112.8	112.8	108.3	106.9
97.5°	99.4	99.4	97.9	99.4	97.9	97.9	97.9	96.5	96.5	92.0	92.0
100°	86.1	86.1	84.6	84.6	84.6	84.6	84.6	83.1	81.6	78.7	78.7
102.5°	78.7	78.7	78.7	78.7	77.2	77.2	75.7	74.2	72.7	69.7	69.7
105°	75.7	75.7	75.7	74.2	74.2	74.2	72.7	69.7	68.3	65.3	63.8
107.5°	75.7	75.7	75.7	74.2	74.2	72.7	71.2	68.3	66.8	63.8	62.3
110°	78.7	78.7	77.2	77.2	75.7	74.2	72.7	69.7	66.8	63.8	62.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	83.1	83.1	83.1	81.6	80.1	78.7	75.7	72.7	68.3	66.8	65.3
115°	92.0	92.0	92.0	89.0	87.6	84.6	80.1	77.2	74.2	71.2	69.7
117.5°	105.4	105.4	103.9	100.9	97.9	95.0	89.0	86.1	81.6	78.7	75.7
120°	123.2	123.2	121.7	117.2	114.3	108.3	102.4	96.5	92.0	89.0	86.1
122.5°	145.4	145.4	145.4	138.0	133.6	126.1	118.7	112.8	105.4	102.4	97.9
125°	173.6	172.1	172.1	161.8	158.8	149.9	139.5	132.1	123.2	117.2	112.8
127.5°	206.3	204.8	201.8	191.4	185.5	175.1	163.2	154.3	142.5	135.0	129.1
130°	236.0	236.0	233.0	222.6	215.2	204.8	188.5	178.1	161.8	151.4	145.4
132.5°	262.7	262.7	259.7	250.8	241.9	228.5	212.2	197.4	178.1	166.2	160.3
135°	283.5	282.0	279.0	271.6	262.7	247.8	230.0	213.7	192.9	178.1	172.1
137.5°	290.9	290.9	286.4	280.5	271.6	256.7	240.4	222.6	203.3	187.0	181.1
140°	284.9	284.9	282.0	279.0	270.1	256.7	241.9	224.1	206.3	190.0	181.1
142.5°	271.6	271.6	268.6	268.6	259.7	247.8	234.5	218.2	201.8	184.0	176.6
145°	243.4	244.9	241.9	244.9	237.4	228.5	218.2	203.3	190.0	173.6	164.7
147.5°	209.2	209.2	207.8	213.7	206.3	200.3	192.9	179.6	170.7	154.3	146.9
150°	169.2	170.7	169.2	173.6	167.7	163.2	160.3	151.4	144.0	130.6	124.7
152.5°	130.6	130.6	129.1	133.6	127.6	126.1	124.7	118.7	115.8	103.9	99.4
155°	96.5	96.5	96.5	99.4	93.5	92.0	93.5	89.0	87.6	78.7	75.7
157.5°	68.3	68.3	66.8	69.7	66.8	65.3	66.8	63.8	62.3	56.4	53.4
160°	44.5	44.5	43.0	46.0	43.0	43.0	44.5	41.6	41.6	38.6	35.6
162.5°	23.7	23.7	23.7	26.7	25.2	25.2	26.7	25.2	25.2	23.7	22.3
165°	8.9	8.9	8.9	10.4	10.4	10.4	11.9	10.4	11.9	10.4	10.4
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°	177°	180°
0°	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1	2361.1
2.5°	2367.0	2395.2	2427.9	2450.2	2479.8	2508.0	2528.8	2555.5	2565.9	2552.6	2552.6
5°	2395.2	2430.9	2470.9	2502.1	2540.7	2585.2	2635.7	2680.2	2703.9	2701.0	2701.0
7.5°	2337.4	2359.6	2392.3	2426.4	2472.4	2522.9	2600.0	2665.3	2712.8	2721.7	2720.2
10°	2217.2	2217.2	2236.4	2261.7	2295.8	2347.8	2426.4	2491.7	2542.2	2554.0	2554.0
12.5°	2117.7	2114.8	2120.7	2137.0	2165.2	2206.8	2264.6	2316.6	2358.1	2367.0	2368.5
15°	2086.6	2056.9	2050.9	2058.4	2073.2	2094.0	2143.0	2177.1	2206.8	2211.2	2208.3
17.5°	2068.8	2013.8	1936.7	1918.9	1924.8	1941.1	1970.8	1979.7	1964.9	1973.8	1963.4
20°	1831.3	1826.9	1794.2	1773.4	1748.2	1691.8	1709.6	1723.0	1742.3	1746.7	1742.3
22.5°	1662.1	1605.7	1519.7	1541.9	1491.5	1497.4	1530.0	1506.3	1495.9	1501.8	1492.9
25°	1485.5	1470.7	1372.7	1325.2	1306.0	1291.1	1308.9	1307.4	1343.1	1357.9	1347.5
27.5°	1392.0	1270.3	1200.6	1138.3	1148.6	1127.9	1130.8	1150.1	1157.6	1162.0	1153.1
30°	1041.8	1067.0	1044.8	1013.6	991.3	970.6	966.1	945.3	918.6	921.6	900.8
32.5°	991.3	966.1	933.5	908.2	887.5	866.7	847.4	823.6	811.8	813.3	801.4
35°	946.8	920.1	884.5	856.3	832.5	805.8	780.6	752.4	742.0	745.0	733.1
37.5°	862.2	841.5	808.8	782.1	758.3	725.7	704.9	681.2	670.8	672.3	661.9
40°	785.1	762.8	734.6	707.9	684.1	660.4	641.1	621.8	609.9	612.9	604.0
42.5°	728.7	704.9	678.2	653.0	630.7	607.0	589.2	569.9	561.0	563.9	555.0
45°	669.3	651.5	624.8	599.6	578.8	555.0	538.7	520.9	512.0	513.5	506.1
47.5°	641.1	609.9	581.7	556.5	535.7	512.0	495.7	479.3	474.9	471.9	467.5
50°	615.9	581.7	550.6	525.4	501.6	479.3	461.5	448.2	439.3	439.3	436.3
52.5°	586.2	552.1	517.9	491.2	469.0	448.2	433.3	420.0	415.5	412.6	409.6
55°	575.8	537.2	498.6	469.0	445.2	425.9	412.6	400.7	394.8	393.3	390.3
57.5°	574.3	523.9	477.9	445.2	421.5	402.2	390.3	379.9	374.0	372.5	369.5
60°	546.1	498.6	455.6	425.9	402.2	381.4	369.5	359.1	354.7	348.7	344.3
62.5°	491.2	455.6	421.5	397.7	376.9	356.2	339.8	328.0	323.5	320.6	317.6
65°	463.0	430.4	397.7	372.5	350.2	330.9	317.6	305.7	301.3	298.3	295.3
67.5°	433.3	402.2	369.5	344.3	325.0	305.7	292.4	282.0	277.5	274.5	271.6
70°	400.7	369.5	333.9	313.1	295.3	277.5	265.6	256.7	252.3	250.8	246.4
72.5°	365.1	330.9	301.3	282.0	265.6	249.3	240.4	230.0	227.1	224.1	221.1
75°	328.0	298.3	270.1	252.3	237.4	224.1	215.2	206.3	201.8	200.3	197.4
77.5°	295.3	267.1	240.4	225.6	212.2	200.3	191.4	185.5	181.1	179.6	178.1
80°	262.7	236.0	215.2	200.3	187.0	176.6	170.7	164.7	161.8	160.3	158.8
82.5°	227.1	206.3	188.5	175.1	164.7	155.8	149.9	145.4	144.0	141.0	141.0
85°	197.4	178.1	161.8	152.9	142.5	135.0	130.6	127.6	126.1	124.7	123.2
87.5°	167.7	152.9	139.5	130.6	123.2	117.2	112.8	111.3	109.8	108.3	106.9
90°	141.0	129.1	118.7	111.3	105.4	99.4	96.5	95.0	95.0	93.5	93.5
92.5°	120.2	111.3	102.4	97.9	92.0	87.6	86.1	84.6	83.1	83.1	83.1
95°	103.9	96.5	90.5	86.1	81.6	78.7	75.7	75.7	74.2	74.2	74.2
97.5°	89.0	84.6	78.7	75.7	72.7	69.7	68.3	66.8	66.8	65.3	65.3
100°	75.7	72.7	68.3	66.8	63.8	60.8	59.4	59.4	59.4	57.9	57.9
102.5°	66.8	63.8	60.8	57.9	56.4	53.4	53.4	51.9	51.9	51.9	51.9
105°	62.3	59.4	56.4	53.4	51.9	50.5	49.0	47.5	47.5	47.5	47.5
107.5°	60.8	57.9	54.9	51.9	49.0	47.5	46.0	43.0	44.5	44.5	44.5
110°	60.8	57.9	54.9	51.9	49.0	47.5	46.0	41.6	43.0	43.0	43.0

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CATALOG NUMBER: CRTK-N-40-727-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	63.8	59.4	56.4	53.4	50.5	49.0	46.0	40.1	41.6	41.6	41.6
115°	68.3	63.8	59.4	56.4	53.4	50.5	47.5	38.6	40.1	40.1	40.1
117.5°	74.2	69.7	65.3	60.8	56.4	53.4	49.0	40.1	40.1	40.1	40.1
120°	84.6	77.2	71.2	66.8	62.3	57.9	51.9	40.1	41.6	41.6	41.6
122.5°	96.5	87.6	80.1	72.7	68.3	62.3	54.9	43.0	43.0	43.0	44.5
125°	109.8	99.4	90.5	81.6	75.7	66.8	57.9	44.5	44.5	46.0	46.0
127.5°	124.7	112.8	100.9	90.5	83.1	71.2	60.8	47.5	46.0	46.0	46.0
130°	139.5	124.7	112.8	99.4	89.0	77.2	63.8	49.0	44.5	46.0	47.5
132.5°	152.9	136.5	123.2	108.3	96.5	81.6	66.8	50.5	46.0	47.5	47.5
135°	164.7	146.9	130.6	114.3	100.9	86.1	68.3	51.9	47.5	47.5	49.0
137.5°	172.1	152.9	135.0	118.7	102.4	87.6	69.7	51.9	47.5	47.5	47.5
140°	173.6	154.3	135.0	117.2	100.9	86.1	68.3	51.9	46.0	47.5	46.0
142.5°	167.7	148.4	129.1	111.3	96.5	81.6	65.3	49.0	43.0	44.5	44.5
145°	155.8	138.0	120.2	102.4	89.0	74.2	59.4	44.5	38.6	40.1	38.6
147.5°	138.0	123.2	105.4	90.5	78.7	65.3	51.9	38.6	32.6	34.1	32.6
150°	117.2	105.4	89.0	75.7	65.3	54.9	43.0	31.2	26.7	26.7	25.2
152.5°	92.0	84.6	72.7	59.4	51.9	43.0	34.1	25.2	19.3	20.8	19.3
155°	71.2	63.8	54.9	46.0	40.1	32.6	25.2	17.8	13.4	14.8	13.4
157.5°	50.5	46.0	40.1	32.6	28.2	23.7	17.8	13.4	8.9	8.9	8.9
160°	34.1	31.2	26.7	22.3	19.3	16.3	11.9	8.9	4.5	4.5	4.5
162.5°	20.8	19.3	16.3	13.4	11.9	10.4	7.4	4.5	3.0	3.0	3.0
165°	10.4	8.9	7.4	5.9	5.9	4.5	4.5	3.0	1.5	1.5	1.5
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

(END OF REPORT)