

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: P853348

Luminaire Tested: **CRTK-N-30-730-U-T3-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853348
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-30-730-U-T3-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

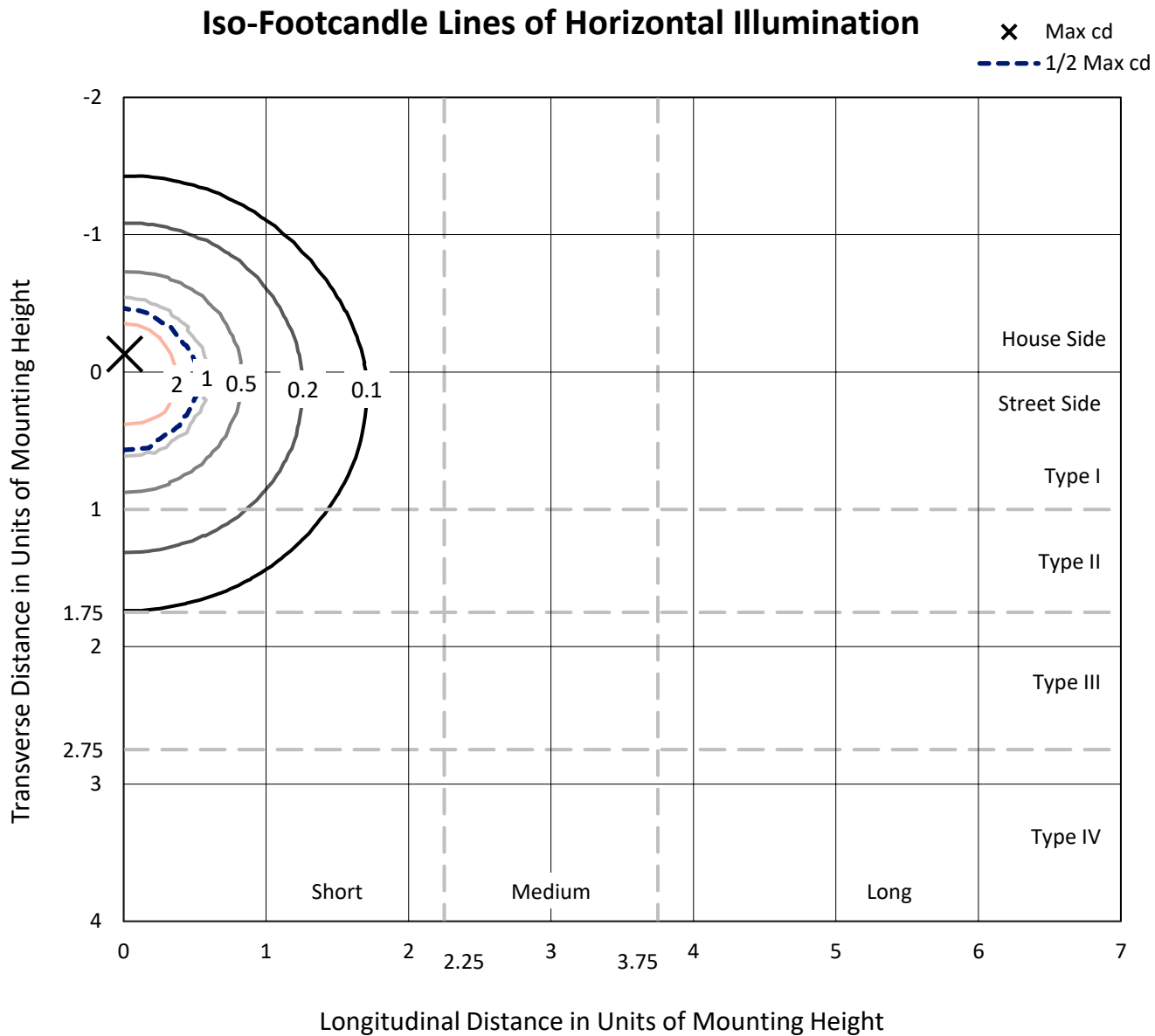
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3914 lumens
Efficiency: N/A
Efficacy: 121.2 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): 32.3
Input Voltage (V): 120.0
Input Current (A_{in}): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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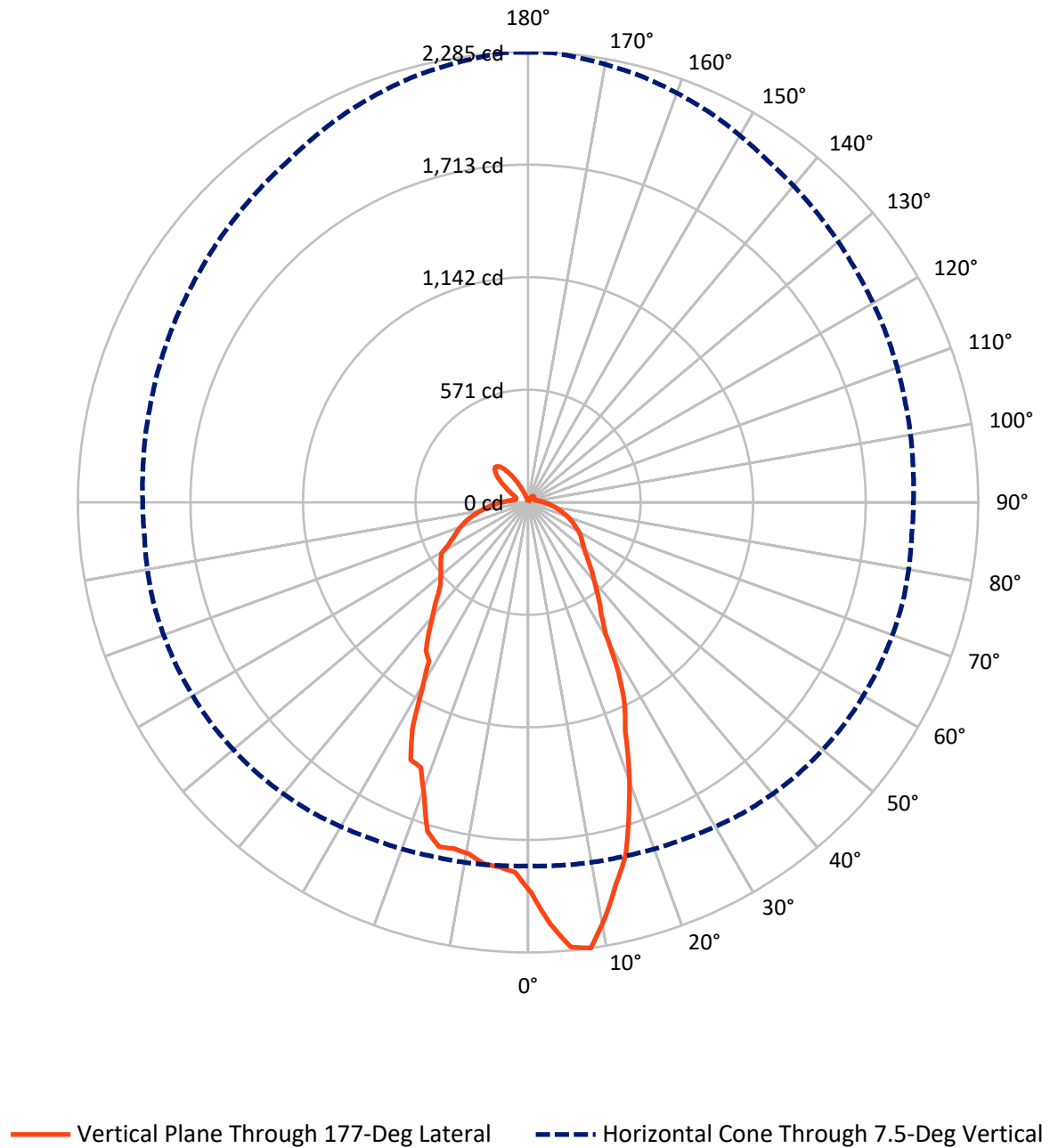


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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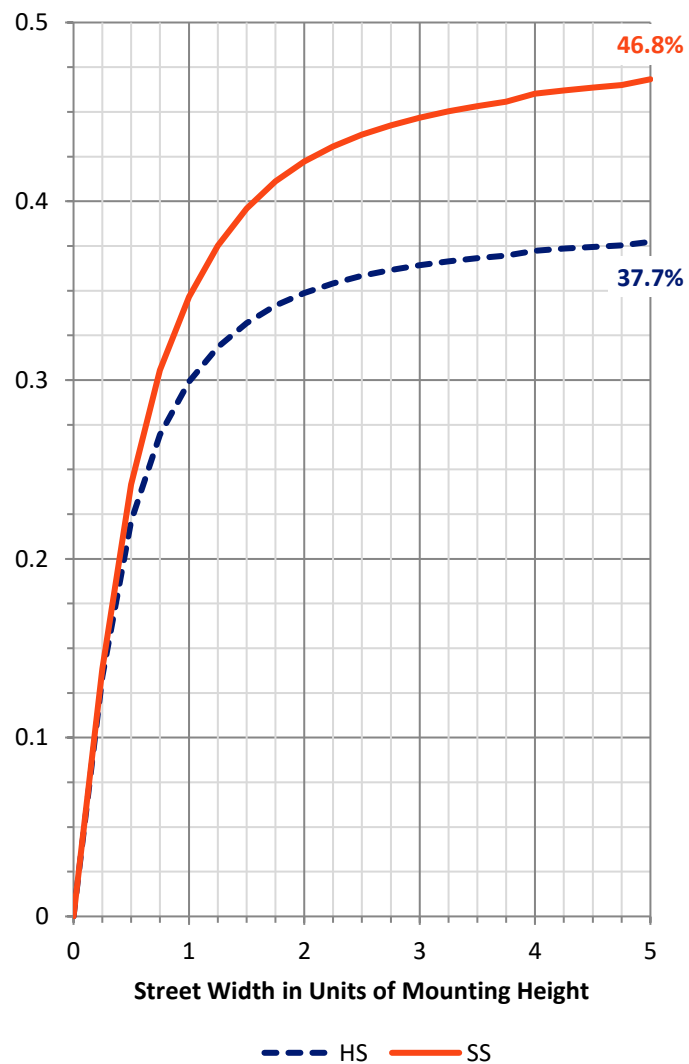
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.5	179.8	1699.3
	% Fixture	38.8	4.6	43.4
Street Side	Lumens	1883.1	331.7	2214.7
	% Fixture	48.1	8.5	56.6
Total	Lumens	3402.6	511.4	3914.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	4.9
10°-20°	499.1	12.8
20°-30°	570.6	14.6
30°-40°	486.6	12.4
40°-50°	432.6	11.1
50°-60°	417.3	10.7
60°-70°	362.7	9.3
70°-80°	272.3	7.0
80°-90°	170.9	4.4
90°-100°	92.8	2.4
100°-110°	57.4	1.5
110°-120°	58.2	1.5
120°-130°	84.1	2.1
130°-140°	108.0	2.8
140°-150°	80.6	2.1
150°-160°	27.6	0.7
160°-170°	2.9	0.1
170°-180°	0.0	0.0
0°-90°	3402.6	86.9
0°-180°	3914.0	100.0

Coefficient of Utilization



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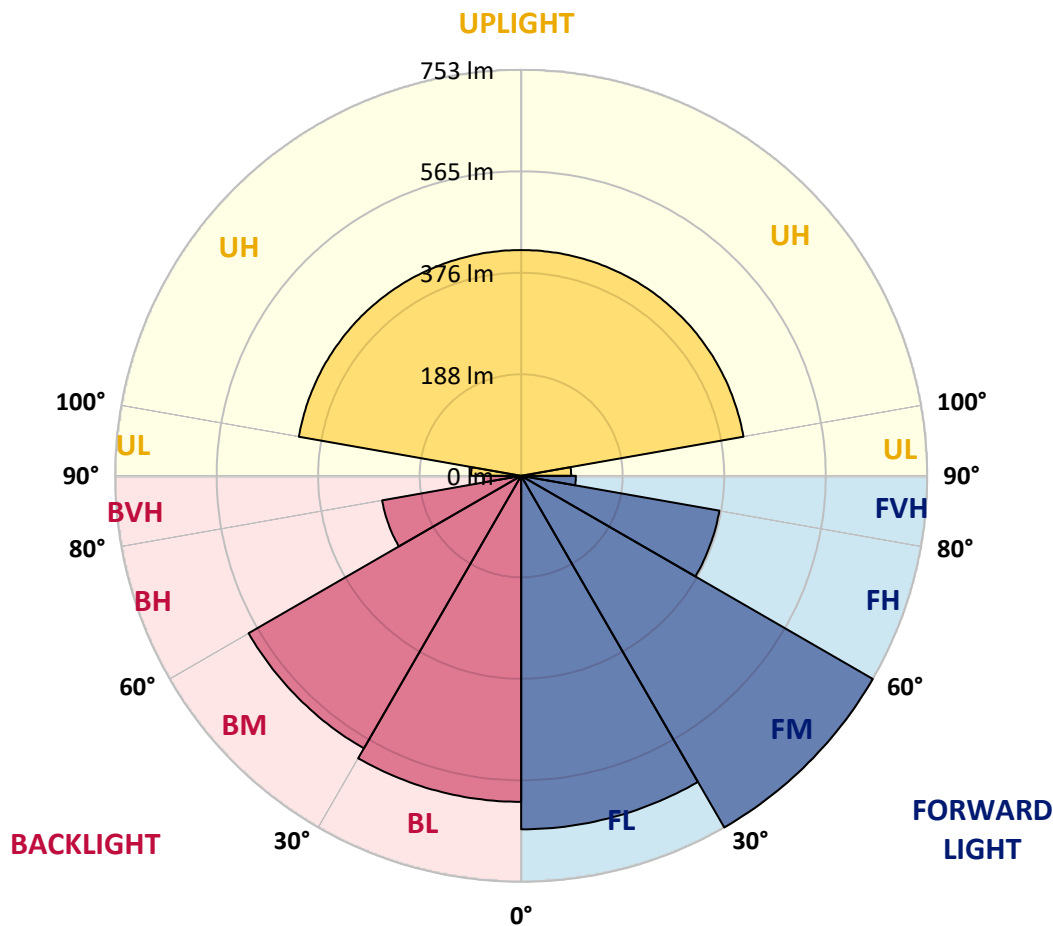
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.5	16.7			
FM	(30°-60°)	752.9	19.2			
FH	(60°-80°)	373.2	9.5			G0/660
FVH	(80°-90°)	101.5	2.6			G2/225
BL	(0°-30°)	604.6	15.4	B2/1000		
BM	(30°-60°)	583.6	14.9	B1/1000		
BH	(60°-80°)	261.8	6.7	B1/500		G1/500
BVH	(80°-90°)	69.4	1.8			G1/100
UL	(90°-100°)	92.8	2.4		U3/500	
UH	(100°-180°)	418.6	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°	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9
2.5°	1878.5	1878.5	1888.4	1897.1	1908.4	1917.1	1929.5	1947.0	1960.7	1966.9	1976.9
5°	1854.8	1857.3	1871.0	1892.2	1913.3	1930.8	1952.0	1973.1	1986.8	1991.8	2001.8
7.5°	1846.1	1849.8	1861.0	1883.4	1918.3	1944.5	1960.7	1968.2	1968.2	1954.4	1955.7
10°	1806.2	1812.4	1826.1	1856.0	1890.9	1909.6	1908.4	1905.9	1893.4	1866.0	1859.8
12.5°	1797.5	1797.5	1818.7	1847.3	1873.5	1881.0	1871.0	1862.3	1836.1	1800.0	1788.8
15°	1797.5	1810.0	1827.4	1846.1	1862.3	1867.3	1866.0	1854.8	1829.9	1783.8	1765.1
17.5°	1738.9	1751.4	1747.7	1765.1	1782.5	1791.3	1788.8	1807.5	1829.9	1782.5	1757.6
20°	1575.8	1579.5	1588.2	1614.4	1725.2	1714.0	1704.1	1706.6	1681.6	1577.0	1547.1
22.5°	1438.7	1459.9	1502.3	1501.0	1514.7	1486.1	1522.2	1452.4	1488.6	1447.5	1421.3
25°	1433.8	1437.5	1375.2	1354.0	1383.9	1340.3	1329.1	1377.7	1385.2	1279.3	1246.9
27.5°	1284.3	1298.0	1300.5	1250.6	1228.2	1220.8	1143.5	1202.1	1193.3	1227.0	1195.8
30°	1067.5	1104.9	1085.0	1055.1	1040.1	1028.9	1014.0	1023.9	995.3	894.4	878.2
32.5°	949.2	948.0	945.5	946.7	931.8	913.1	899.4	890.7	875.7	855.8	843.3
35°	915.6	913.1	904.4	885.7	875.7	865.7	857.0	850.8	834.6	812.2	803.5
37.5°	838.3	839.6	829.6	814.7	805.9	794.7	782.3	772.3	754.9	733.7	728.7
40°	764.8	764.8	757.4	738.7	727.5	715.0	705.0	696.3	682.6	666.4	662.7
42.5°	707.5	707.5	701.3	682.6	672.7	660.2	649.0	641.5	631.6	619.1	615.4
45°	647.7	649.0	644.0	631.6	624.1	614.1	601.7	592.9	581.7	570.5	568.0
47.5°	607.9	606.6	609.1	597.9	591.7	581.7	573.0	565.5	561.8	556.8	549.3
50°	581.7	583.0	585.5	583.0	588.0	578.0	569.3	565.5	554.3	538.1	526.9
52.5°	558.1	563.0	565.5	566.8	569.3	566.8	561.8	550.6	530.7	517.0	505.7
55°	543.1	545.6	546.8	553.1	554.3	549.3	544.4	538.1	523.2	509.5	500.8
57.5°	525.7	529.4	535.6	543.1	544.4	540.6	541.9	538.1	525.7	517.0	502.0
60°	507.0	510.7	508.2	514.5	517.0	518.2	513.2	517.0	505.7	485.8	472.1
62.5°	454.7	457.2	458.4	468.4	470.9	468.4	462.1	454.7	444.7	432.2	424.8
65°	422.3	423.5	424.8	431.0	429.8	428.5	423.5	418.5	413.6	404.8	398.6
67.5°	393.6	396.1	396.1	402.3	399.9	398.6	393.6	389.9	386.2	378.7	372.5
70°	367.5	371.2	368.7	374.9	372.5	370.0	365.0	361.2	357.5	350.0	345.0
72.5°	338.8	342.6	341.3	346.3	343.8	341.3	337.6	333.8	327.6	321.4	316.4
75°	310.2	312.7	311.4	316.4	313.9	311.4	305.2	302.7	297.7	291.5	284.0
77.5°	276.5	280.3	280.3	284.0	279.0	277.8	272.8	271.6	267.8	261.6	255.4
80°	246.6	250.4	250.4	251.6	247.9	246.6	241.7	241.7	236.7	231.7	226.7
82.5°	216.7	220.5	219.2	220.5	216.7	215.5	210.5	211.8	208.0	203.0	199.3
85°	188.1	191.8	189.3	190.6	186.8	184.4	181.9	183.1	180.6	175.6	171.9
87.5°	163.2	163.2	161.9	163.2	159.4	157.0	155.7	157.0	153.2	149.5	147.0
90°	137.0	138.3	137.0	138.3	134.5	133.3	132.0	132.0	129.5	125.8	123.3
92.5°	115.8	115.8	114.6	115.8	113.4	113.4	112.1	112.1	110.9	107.1	105.9
95°	97.2	97.2	97.2	97.2	95.9	95.9	95.9	94.7	94.7	90.9	89.7
97.5°	83.5	83.5	82.2	83.5	82.2	82.2	82.2	81.0	81.0	77.2	77.2
100°	72.2	72.2	71.0	71.0	71.0	71.0	71.0	69.8	68.5	66.0	66.0
102.5°	66.0	66.0	66.0	66.0	64.8	64.8	63.5	62.3	61.0	58.5	58.5
105°	63.5	63.5	63.5	62.3	62.3	62.3	61.0	58.5	57.3	54.8	53.6
107.5°	63.5	63.5	63.5	62.3	62.3	61.0	59.8	57.3	56.1	53.6	52.3
110°	66.0	66.0	64.8	64.8	63.5	62.3	61.0	58.5	56.1	53.6	52.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	69.8	69.8	69.8	68.5	67.3	66.0	63.5	61.0	57.3	56.1	54.8
115°	77.2	77.2	77.2	74.7	73.5	71.0	67.3	64.8	62.3	59.8	58.5
117.5°	88.4	88.4	87.2	84.7	82.2	79.7	74.7	72.2	68.5	66.0	63.5
120°	103.4	103.4	102.1	98.4	95.9	90.9	86.0	81.0	77.2	74.7	72.2
122.5°	122.1	122.1	122.1	115.8	112.1	105.9	99.7	94.7	88.4	86.0	82.2
125°	145.7	144.5	144.5	135.8	133.3	125.8	117.1	110.9	103.4	98.4	94.7
127.5°	173.1	171.9	169.4	160.7	155.7	147.0	137.0	129.5	119.6	113.4	108.4
130°	198.1	198.1	195.6	186.8	180.6	171.9	158.2	149.5	135.8	127.1	122.1
132.5°	220.5	220.5	218.0	210.5	203.0	191.8	178.1	165.7	149.5	139.5	134.5
135°	237.9	236.7	234.2	228.0	220.5	208.0	193.1	179.4	161.9	149.5	144.5
137.5°	244.2	244.2	240.4	235.4	228.0	215.5	201.8	186.8	170.7	157.0	152.0
140°	239.2	239.2	236.7	234.2	226.7	215.5	203.0	188.1	173.1	159.4	152.0
142.5°	228.0	228.0	225.5	225.5	218.0	208.0	196.8	183.1	169.4	154.5	148.2
145°	204.3	205.5	203.0	205.5	199.3	191.8	183.1	170.7	159.4	145.7	138.3
147.5°	175.6	175.6	174.4	179.4	173.1	168.2	161.9	150.7	143.3	129.5	123.3
150°	142.0	143.3	142.0	145.7	140.8	137.0	134.5	127.1	120.8	109.6	104.6
152.5°	109.6	109.6	108.4	112.1	107.1	105.9	104.6	99.7	97.2	87.2	83.5
155°	81.0	81.0	81.0	83.5	78.5	77.2	78.5	74.7	73.5	66.0	63.5
157.5°	57.3	57.3	56.1	58.5	56.1	54.8	56.1	53.6	52.3	47.3	44.8
160°	37.4	37.4	36.1	38.6	36.1	36.1	37.4	34.9	34.9	32.4	29.9
162.5°	19.9	19.9	19.9	22.4	21.2	21.2	22.4	21.2	21.2	19.9	18.7
165°	7.5	7.5	7.5	8.7	8.7	8.7	10.0	8.7	10.0	8.7	8.7
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°	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9	1981.9
2.5°	1986.8	2010.5	2037.9	2056.6	2081.5	2105.2	2122.6	2145.0	2153.8	2142.5	2142.5
5°	2010.5	2040.4	2074.0	2100.2	2132.6	2169.9	2212.3	2249.7	2269.6	2267.1	2267.1
7.5°	1961.9	1980.6	2008.0	2036.7	2075.3	2117.6	2182.4	2237.2	2277.1	2284.6	2283.3
10°	1861.0	1861.0	1877.2	1898.4	1927.0	1970.6	2036.7	2091.5	2133.8	2143.8	2143.8
12.5°	1777.6	1775.1	1780.1	1793.8	1817.4	1852.3	1900.9	1944.5	1979.4	1986.8	1988.1
15°	1751.4	1726.5	1721.5	1727.7	1740.2	1757.6	1798.7	1827.4	1852.3	1856.0	1853.5
17.5°	1736.5	1690.4	1625.6	1610.6	1615.6	1629.3	1654.2	1661.7	1649.3	1656.7	1648.0
20°	1537.2	1533.4	1506.0	1488.6	1467.4	1420.1	1435.0	1446.2	1462.4	1466.1	1462.4
22.5°	1395.1	1347.8	1275.6	1294.2	1251.9	1256.9	1284.3	1264.4	1255.6	1260.6	1253.1
25°	1246.9	1234.5	1152.2	1112.4	1096.2	1083.7	1098.7	1097.4	1127.3	1139.8	1131.1
27.5°	1168.4	1066.3	1007.7	955.4	964.1	946.7	949.2	965.4	971.6	975.4	967.9
30°	874.5	895.6	876.9	850.8	832.1	814.7	810.9	793.5	771.1	773.6	756.1
32.5°	832.1	810.9	783.5	762.3	744.9	727.5	711.3	691.3	681.4	682.6	672.7
35°	794.7	772.3	742.4	718.7	698.8	676.4	655.2	631.6	622.8	625.3	615.4
37.5°	723.7	706.3	678.9	656.5	636.5	609.1	591.7	571.8	563.0	564.3	555.6
40°	659.0	640.3	616.6	594.2	574.3	554.3	538.1	521.9	512.0	514.5	507.0
42.5°	611.6	591.7	569.3	548.1	529.4	509.5	494.5	478.3	470.9	473.4	465.9
45°	561.8	546.8	524.4	503.2	485.8	465.9	452.2	437.2	429.8	431.0	424.8
47.5°	538.1	512.0	488.3	467.1	449.7	429.8	416.1	402.3	398.6	396.1	392.4
50°	517.0	488.3	462.1	441.0	421.0	402.3	387.4	376.2	368.7	368.7	366.2
52.5°	492.0	463.4	434.7	412.3	393.6	376.2	363.7	352.5	348.8	346.3	343.8
55°	483.3	450.9	418.5	393.6	373.7	357.5	346.3	336.3	331.3	330.1	327.6
57.5°	482.1	439.7	401.1	373.7	353.8	337.6	327.6	318.9	313.9	312.7	310.2
60°	458.4	418.5	382.4	357.5	337.6	320.1	310.2	301.5	297.7	292.7	289.0
62.5°	412.3	382.4	353.8	333.8	316.4	299.0	285.3	275.3	271.6	269.1	266.6
65°	388.6	361.2	333.8	312.7	294.0	277.8	266.6	256.6	252.9	250.4	247.9
67.5°	363.7	337.6	310.2	289.0	272.8	256.6	245.4	236.7	232.9	230.4	228.0
70°	336.3	310.2	280.3	262.8	247.9	232.9	223.0	215.5	211.8	210.5	206.8
72.5°	306.4	277.8	252.9	236.7	223.0	209.3	201.8	193.1	190.6	188.1	185.6
75°	275.3	250.4	226.7	211.8	199.3	188.1	180.6	173.1	169.4	168.2	165.7
77.5°	247.9	224.2	201.8	189.3	178.1	168.2	160.7	155.7	152.0	150.7	149.5
80°	220.5	198.1	180.6	168.2	157.0	148.2	143.3	138.3	135.8	134.5	133.3
82.5°	190.6	173.1	158.2	147.0	138.3	130.8	125.8	122.1	120.8	118.3	118.3
85°	165.7	149.5	135.8	128.3	119.6	113.4	109.6	107.1	105.9	104.6	103.4
87.5°	140.8	128.3	117.1	109.6	103.4	98.4	94.7	93.4	92.2	90.9	89.7
90°	118.3	108.4	99.7	93.4	88.4	83.5	81.0	79.7	79.7	78.5	78.5
92.5°	100.9	93.4	86.0	82.2	77.2	73.5	72.2	71.0	69.8	69.8	69.8
95°	87.2	81.0	76.0	72.2	68.5	66.0	63.5	63.5	62.3	62.3	62.3
97.5°	74.7	71.0	66.0	63.5	61.0	58.5	57.3	56.1	56.1	54.8	54.8
100°	63.5	61.0	57.3	56.1	53.6	51.1	49.8	49.8	49.8	48.6	48.6
102.5°	56.1	53.6	51.1	48.6	47.3	44.8	44.8	43.6	43.6	43.6	43.6
105°	52.3	49.8	47.3	44.8	43.6	42.4	41.1	39.9	39.9	39.9	39.9
107.5°	51.1	48.6	46.1	43.6	41.1	39.9	38.6	36.1	37.4	37.4	37.4
110°	51.1	48.6	46.1	43.6	41.1	39.9	38.6	34.9	36.1	36.1	36.1

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CATALOG NUMBER: CRTK-N-30-730-U-T3-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	177°	180°
112.5°	53.6	49.8	47.3	44.8	42.4	41.1	38.6	33.6	34.9	34.9	34.9
115°	57.3	53.6	49.8	47.3	44.8	42.4	39.9	32.4	33.6	33.6	33.6
117.5°	62.3	58.5	54.8	51.1	47.3	44.8	41.1	33.6	33.6	33.6	33.6
120°	71.0	64.8	59.8	56.1	52.3	48.6	43.6	33.6	34.9	34.9	34.9
122.5°	81.0	73.5	67.3	61.0	57.3	52.3	46.1	36.1	36.1	36.1	37.4
125°	92.2	83.5	76.0	68.5	63.5	56.1	48.6	37.4	37.4	38.6	38.6
127.5°	104.6	94.7	84.7	76.0	69.8	59.8	51.1	39.9	38.6	38.6	38.6
130°	117.1	104.6	94.7	83.5	74.7	64.8	53.6	41.1	37.4	38.6	39.9
132.5°	128.3	114.6	103.4	90.9	81.0	68.5	56.1	42.4	38.6	39.9	39.9
135°	138.3	123.3	109.6	95.9	84.7	72.2	57.3	43.6	39.9	39.9	41.1
137.5°	144.5	128.3	113.4	99.7	86.0	73.5	58.5	43.6	39.9	39.9	39.9
140°	145.7	129.5	113.4	98.4	84.7	72.2	57.3	43.6	38.6	39.9	38.6
142.5°	140.8	124.6	108.4	93.4	81.0	68.5	54.8	41.1	36.1	37.4	37.4
145°	130.8	115.8	100.9	86.0	74.7	62.3	49.8	37.4	32.4	33.6	32.4
147.5°	115.8	103.4	88.4	76.0	66.0	54.8	43.6	32.4	27.4	28.7	27.4
150°	98.4	88.4	74.7	63.5	54.8	46.1	36.1	26.2	22.4	22.4	21.2
152.5°	77.2	71.0	61.0	49.8	43.6	36.1	28.7	21.2	16.2	17.4	16.2
155°	59.8	53.6	46.1	38.6	33.6	27.4	21.2	14.9	11.2	12.5	11.2
157.5°	42.4	38.6	33.6	27.4	23.7	19.9	14.9	11.2	7.5	7.5	7.5
160°	28.7	26.2	22.4	18.7	16.2	13.7	10.0	7.5	3.7	3.7	3.7
162.5°	17.4	16.2	13.7	11.2	10.0	8.7	6.2	3.7	2.5	2.5	2.5
165°	8.7	7.5	6.2	5.0	5.0	3.7	3.7	2.5	1.2	1.2	1.2
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)