

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: P853345

Luminaire Tested: **CRTK-N-30-730-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-5)
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-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

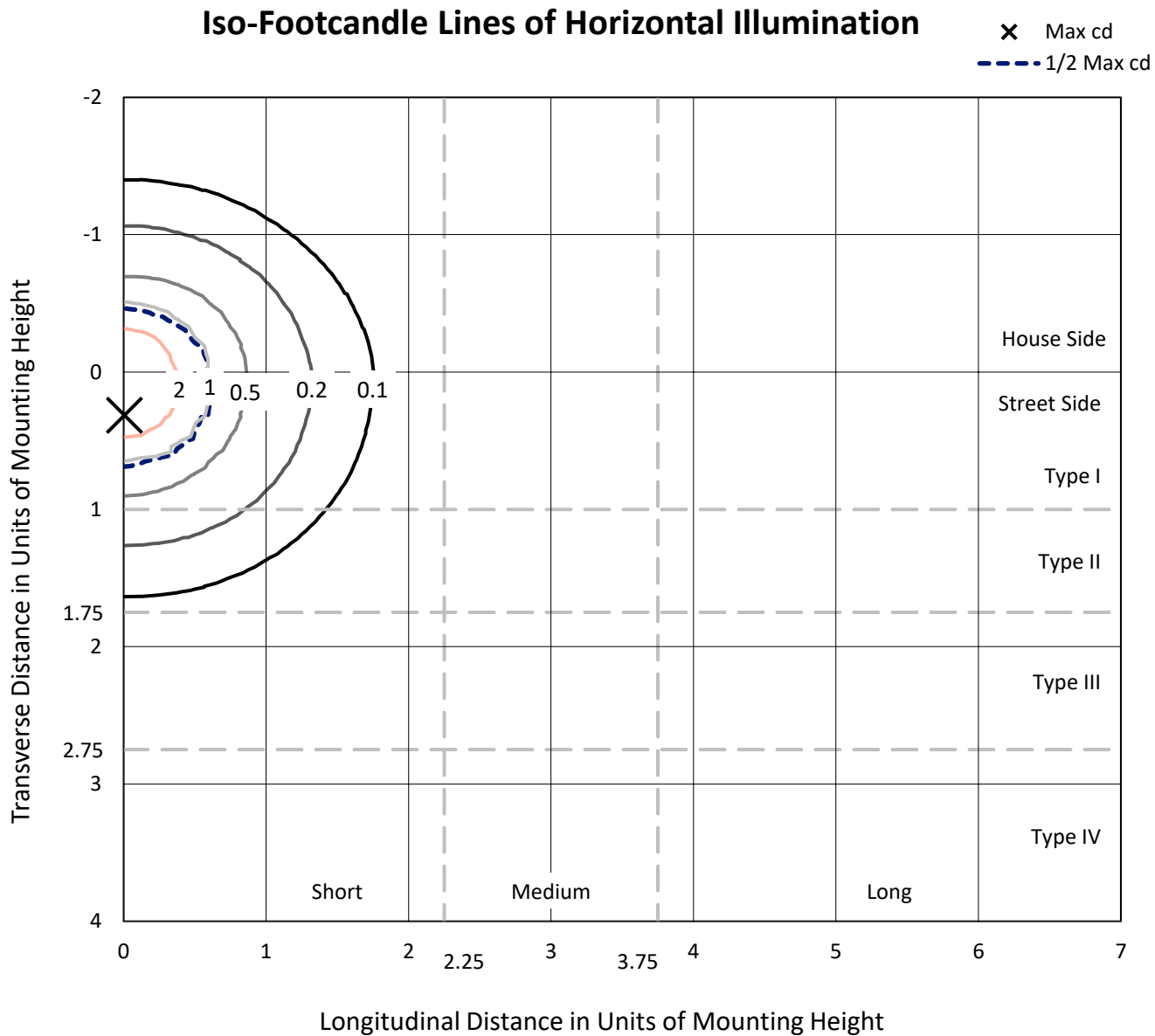
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3980 lumens
Efficiency: N/A
Efficacy: 123.2 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 (Ain): 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



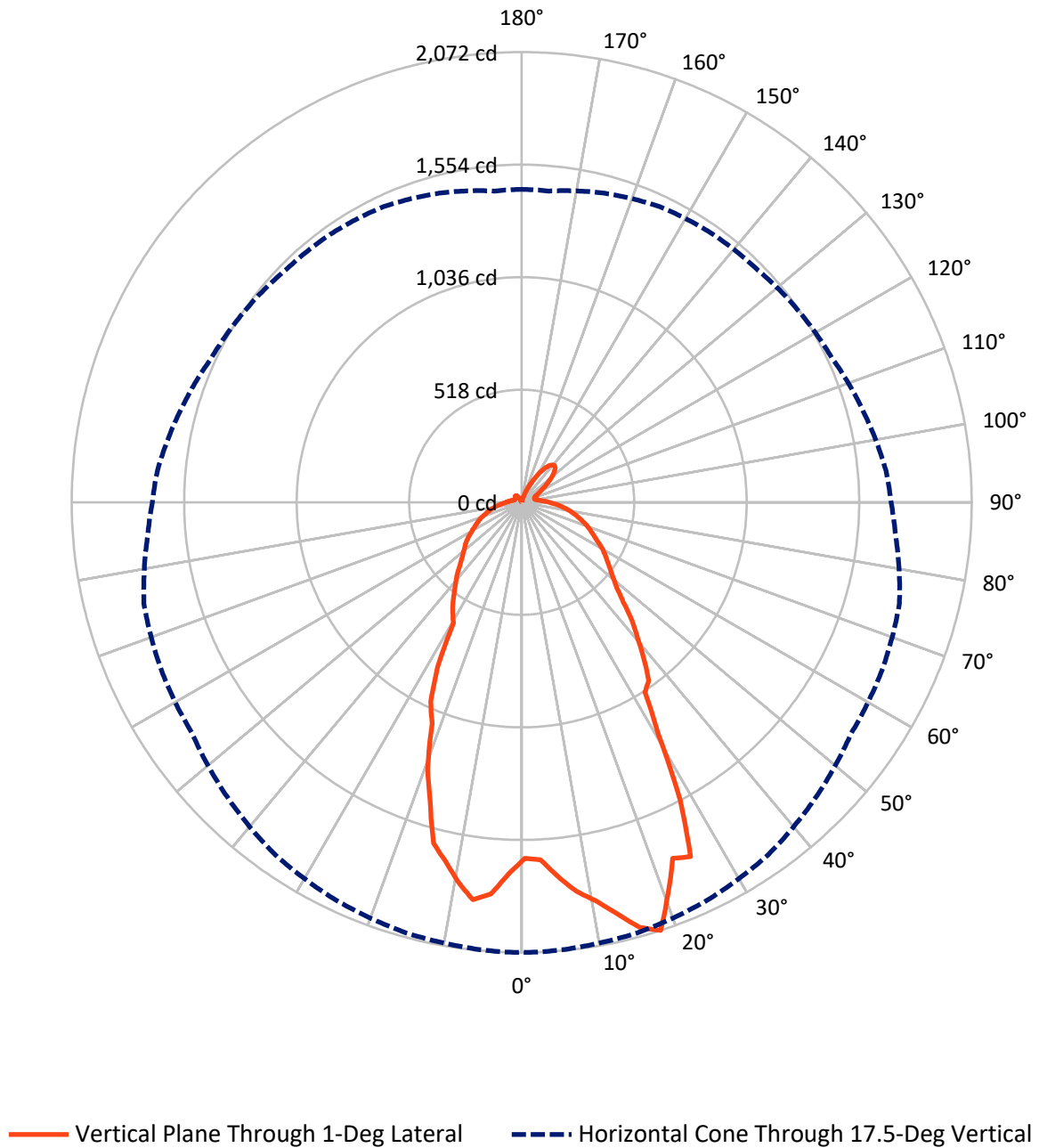
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Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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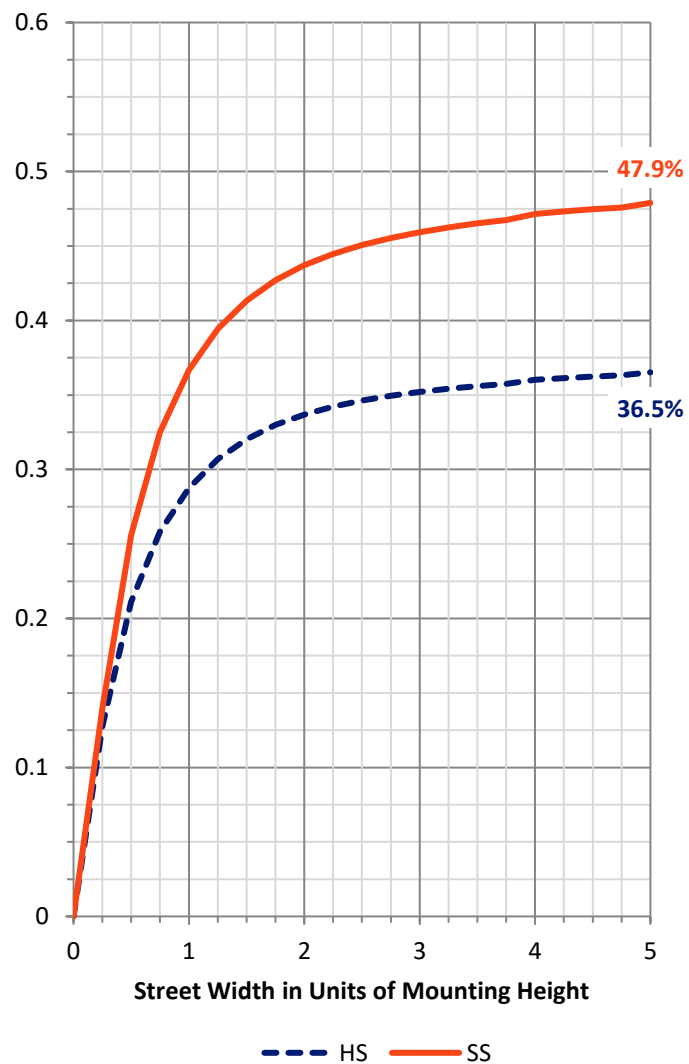
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1496.3	193.2	1689.5
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	1953.3	337.2	2290.5
	% Fixture	49.1	8.5	57.5
Total	Lumens	3449.6	530.4	3980.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	4.1
10°-20°	485.8	12.2
20°-30°	608.3	15.3
30°-40°	513.8	12.9
40°-50°	452.3	11.4
50°-60°	420.9	10.6
60°-70°	358.2	9.0
70°-80°	272.3	6.8
80°-90°	173.4	4.4
90°-100°	94.5	2.4
100°-110°	58.4	1.5
110°-120°	59.4	1.5
120°-130°	86.8	2.2
130°-140°	112.8	2.8
140°-150°	85.3	2.1
150°-160°	30.0	0.8
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-90°	3449.6	86.7
0°-180°	3980.0	100.0

Coefficient of Utilization



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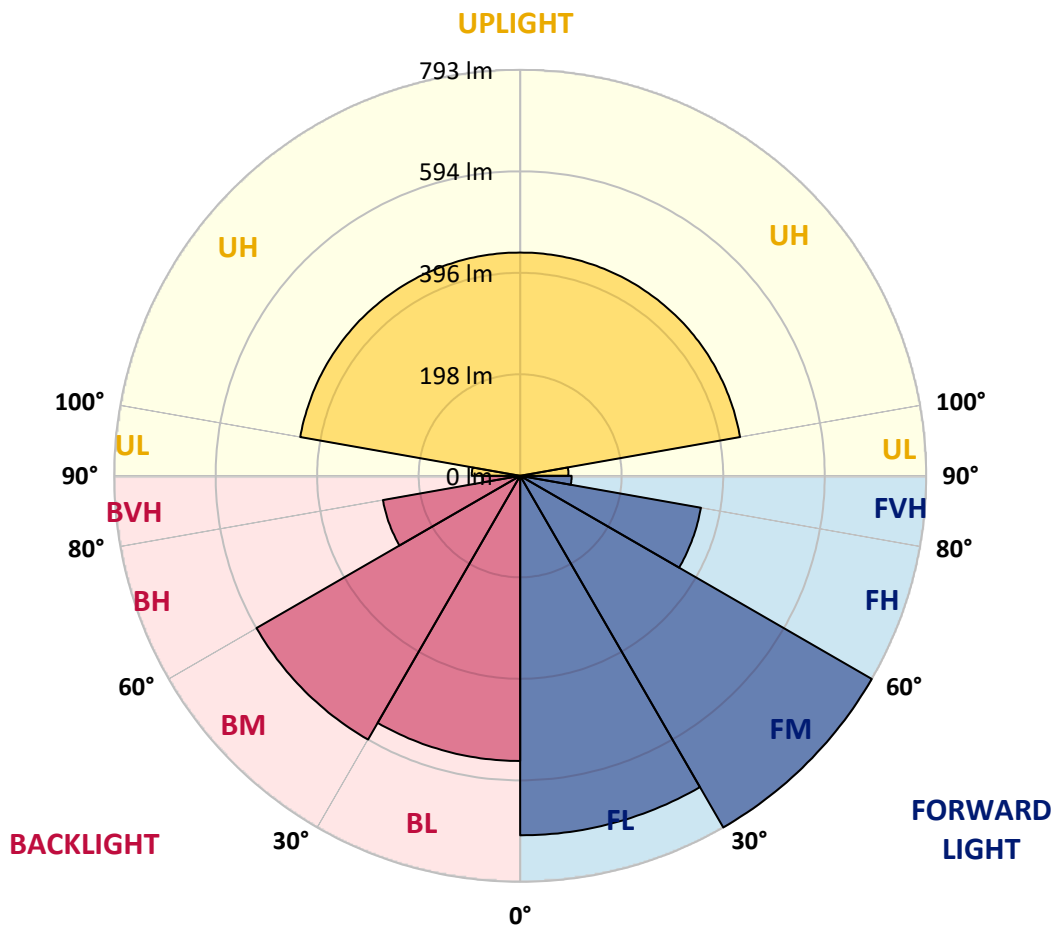
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.9	17.6			
FM	(30°-60°)	792.6	19.9			
FH	(60°-80°)	358.4	9.0			G0/660
FVH	(80°-90°)	100.4	2.5			G2/225
BL	(0°-30°)	556.7	14.0	B2/1000		
BM	(30°-60°)	594.4	14.9	B1/1000		
BH	(60°-80°)	272.1	6.8	B1/500		G1/500
BVH	(80°-90°)	73.1	1.8			G1/100
UL	(90°-100°)	94.5	2.4		U3/500	
UH	(100°-180°)	435.9	11.0		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1
2.5°	1645.6	1646.8	1650.6	1656.8	1656.8	1656.8	1656.8	1651.8	1659.3	1656.8	1651.8
5°	1729.0	1729.0	1731.5	1735.3	1731.5	1726.6	1722.8	1714.1	1715.3	1707.9	1700.4
7.5°	1807.5	1807.5	1810.0	1812.5	1800.1	1797.6	1781.4	1757.7	1732.8	1705.4	1676.7
10°	1862.3	1863.6	1868.6	1866.1	1857.4	1841.2	1805.0	1758.9	1712.9	1664.3	1624.4
12.5°	1940.8	1940.8	1939.6	1947.0	1929.6	1902.2	1847.4	1782.6	1731.5	1678.0	1620.7
15°	2025.5	2029.3	2041.7	2044.2	2018.1	1978.2	1915.9	1851.1	1792.6	1735.3	1668.0
17.5°	2070.4	2071.6	2067.9	2051.7	2020.5	1979.4	1917.1	1852.4	1829.9	1800.1	1727.8
20°	1922.1	1923.4	1934.6	1932.1	1925.9	1984.4	1924.6	1842.4	1785.1	1690.4	1559.6
22.5°	1780.1	1780.1	1802.5	1861.1	1826.2	1796.3	1726.6	1689.2	1563.4	1545.9	1482.4
25°	1802.5	1806.3	1800.1	1707.9	1634.4	1664.3	1584.5	1498.6	1511.0	1473.7	1332.9
27.5°	1550.9	1554.6	1572.1	1609.5	1524.7	1474.9	1425.1	1322.9	1336.6	1298.0	1318.0
30°	1247.0	1239.5	1245.7	1256.9	1203.4	1189.7	1178.4	1154.8	1154.8	1029.0	951.7
32.5°	1037.7	1041.4	1043.9	1040.2	1037.7	1041.4	1020.2	1001.6	986.6	959.2	931.8
35°	1009.0	1007.8	1010.3	997.8	977.9	974.1	965.4	962.9	949.2	911.9	891.9
37.5°	915.6	914.4	918.1	913.1	891.9	895.7	889.4	880.7	864.5	824.7	809.7
40°	823.4	822.2	823.4	819.7	801.0	797.3	793.5	788.5	774.8	746.2	736.2
42.5°	748.7	746.2	748.7	744.9	726.2	723.8	721.3	718.8	710.1	688.9	686.4
45°	657.7	656.5	659.0	660.2	649.0	655.2	657.7	656.5	650.3	635.3	631.6
47.5°	589.2	589.2	590.5	599.2	595.4	604.2	609.2	611.6	615.4	619.1	619.1
50°	545.6	545.6	545.6	556.8	565.6	584.2	593.0	599.2	606.7	597.9	590.5
52.5°	509.5	510.7	512.0	522.0	535.7	554.3	568.0	579.3	583.0	574.3	570.5
55°	479.6	478.4	482.1	490.8	505.8	523.2	536.9	549.4	561.8	564.3	564.3
57.5°	450.9	452.2	454.7	464.7	479.6	498.3	518.2	536.9	554.3	570.5	578.0
60°	423.5	423.5	424.8	434.8	448.5	467.1	488.3	504.5	523.2	518.2	520.7
62.5°	389.9	389.9	392.4	401.1	414.8	428.5	442.2	450.9	463.4	463.4	465.9
65°	365.0	363.7	366.2	373.7	386.2	396.1	409.8	418.6	431.0	434.8	438.5
67.5°	340.1	340.1	341.3	347.6	360.0	370.0	379.9	389.9	401.1	404.9	409.8
70°	317.7	317.7	317.7	323.9	335.1	343.8	352.5	361.3	372.5	372.5	378.7
72.5°	291.5	291.5	296.5	299.0	311.4	318.9	326.4	332.6	342.6	342.6	347.6
75°	269.1	266.6	270.3	274.1	285.3	291.5	296.5	302.7	312.7	311.4	315.2
77.5°	245.4	242.9	246.7	250.4	257.9	264.1	266.6	272.8	279.0	277.8	281.5
80°	220.5	219.2	223.0	224.2	231.7	236.7	239.2	242.9	249.1	246.7	251.6
82.5°	196.8	194.3	198.1	199.3	204.3	209.3	211.8	214.3	219.2	216.8	220.5
85°	171.9	169.4	171.9	174.4	178.1	183.1	184.4	185.6	191.8	188.1	191.8
87.5°	147.0	144.5	148.2	149.5	153.2	157.0	159.5	159.5	164.4	160.7	164.4
90°	125.8	123.3	125.8	127.1	129.6	133.3	134.5	135.8	139.5	135.8	139.5
92.5°	105.9	103.4	105.9	107.1	109.6	113.4	115.9	115.9	119.6	114.6	118.3
95°	89.7	87.2	89.7	90.9	92.2	94.7	97.2	98.4	100.9	97.2	99.7
97.5°	77.2	76.0	77.2	77.2	78.5	81.0	83.5	84.7	86.0	82.2	83.5
100°	68.5	67.3	68.5	68.5	68.5	69.8	71.0	72.3	73.5	69.8	71.0
102.5°	63.5	63.5	63.5	63.5	63.5	64.8	66.0	66.0	64.8	62.3	62.3
105°	61.0	61.0	61.0	61.0	61.0	62.3	62.3	62.3	61.0	59.8	58.5
107.5°	61.0	62.3	61.0	61.0	61.0	62.3	62.3	61.0	59.8	58.5	56.1
110°	63.5	64.8	63.5	63.5	63.5	63.5	63.5	62.3	59.8	58.5	56.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	67.3	68.5	68.5	68.5	67.3	67.3	66.0	64.8	62.3	61.0	58.5
115°	73.5	76.0	74.7	74.7	73.5	73.5	72.3	69.8	67.3	66.0	63.5
117.5°	83.5	86.0	84.7	84.7	84.7	82.2	79.7	77.2	74.7	73.5	71.0
120°	97.2	99.7	98.4	98.4	98.4	94.7	93.4	88.4	86.0	84.7	81.0
122.5°	114.6	117.1	115.9	114.6	115.9	110.9	108.4	103.4	99.7	99.7	93.4
125°	134.5	138.3	137.0	135.8	135.8	130.8	128.3	122.1	117.1	115.9	109.6
127.5°	158.2	161.9	160.7	159.5	158.2	153.2	150.7	143.3	137.0	134.5	127.1
130°	181.9	185.6	184.4	183.1	183.1	178.1	174.4	166.9	159.5	153.2	143.3
132.5°	203.1	205.5	204.3	204.3	205.5	201.8	198.1	188.1	178.1	169.4	158.2
135°	219.2	220.5	220.5	220.5	223.0	219.2	214.3	205.5	193.1	181.9	170.7
137.5°	226.7	226.7	226.7	228.0	230.5	228.0	223.0	215.5	203.1	190.6	178.1
140°	224.2	223.0	224.2	225.5	228.0	228.0	223.0	215.5	204.3	190.6	179.4
142.5°	214.3	211.8	213.0	215.5	216.8	220.5	215.5	208.0	198.1	184.4	174.4
145°	195.6	191.8	193.1	195.6	196.8	201.8	198.1	191.8	184.4	171.9	163.2
147.5°	170.7	166.9	168.2	171.9	170.7	175.6	173.2	169.4	164.4	152.0	145.7
150°	142.0	137.0	139.5	142.0	139.5	144.5	142.0	140.8	138.3	128.3	123.3
152.5°	112.1	107.1	109.6	112.1	108.4	112.1	109.6	110.9	109.6	100.9	98.4
155°	86.0	82.2	83.5	84.7	81.0	83.5	82.2	83.5	83.5	76.0	74.7
157.5°	62.3	58.5	59.8	61.0	58.5	59.8	59.8	59.8	61.0	54.8	53.6
160°	41.1	38.6	39.9	39.9	38.6	39.9	39.9	39.9	41.1	36.1	36.1
162.5°	23.7	21.2	22.4	23.7	22.4	23.7	23.7	24.9	24.9	21.2	21.2
165°	10.0	7.5	8.7	8.7	8.7	10.0	10.0	11.2	11.2	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1	1638.1
2.5°	1651.8	1656.8	1664.3	1673.0	1678.0	1685.4	1691.7	1700.4	1709.1	1712.9	1709.1
5°	1697.9	1702.9	1709.1	1717.8	1722.8	1725.3	1741.5	1767.7	1791.3	1807.5	1807.5
7.5°	1666.8	1663.0	1669.3	1679.2	1687.9	1706.6	1729.0	1763.9	1810.0	1839.9	1843.7
10°	1608.2	1604.5	1598.2	1604.5	1610.7	1628.1	1651.8	1686.7	1735.3	1767.7	1771.4
12.5°	1602.0	1592.0	1582.1	1582.1	1582.1	1590.8	1609.5	1634.4	1663.0	1684.2	1689.2
15°	1646.8	1634.4	1615.7	1607.0	1595.8	1587.0	1588.3	1594.5	1613.2	1623.2	1619.4
17.5°	1700.4	1683.0	1626.9	1574.6	1548.4	1523.5	1514.8	1501.1	1472.4	1437.6	1440.0
20°	1539.7	1529.7	1533.5	1511.0	1477.4	1416.4	1308.0	1273.1	1279.3	1296.8	1295.5
22.5°	1452.5	1425.1	1367.8	1293.0	1299.3	1209.6	1199.6	1192.1	1126.1	1102.5	1098.7
25°	1300.5	1300.5	1301.8	1194.6	1142.3	1083.8	1040.2	1010.3	989.1	991.6	1012.8
27.5°	1285.6	1237.0	1134.8	1030.2	967.9	958.0	921.8	853.3	857.0	855.8	850.8
30°	934.3	920.6	938.0	911.9	864.5	815.9	773.6	736.2	698.8	644.0	636.6
32.5°	914.4	896.9	858.3	808.5	767.4	726.2	685.1	650.3	617.9	601.7	597.9
35°	882.0	865.8	824.7	774.8	732.5	690.1	646.5	609.2	575.5	564.3	556.8
37.5°	804.7	791.0	756.1	711.3	672.7	634.1	591.7	560.6	531.9	520.7	513.2
40°	731.2	721.3	688.9	650.3	612.9	578.0	543.1	515.7	492.1	480.8	475.9
42.5°	682.6	671.4	639.0	600.4	568.0	531.9	502.0	477.1	455.9	446.0	441.0
45°	629.1	620.4	590.5	556.8	524.4	487.1	460.9	437.2	417.3	408.6	403.6
47.5°	611.6	597.9	560.6	524.4	492.1	457.2	429.8	404.9	387.4	379.9	375.0
50°	585.5	573.0	538.1	503.3	468.4	432.3	403.6	378.7	362.5	355.0	351.3
52.5°	561.8	545.6	513.2	475.9	441.0	406.1	379.9	358.8	342.6	335.1	331.4
55°	558.1	539.4	503.3	462.2	421.1	387.4	360.0	338.8	322.6	316.4	312.7
57.5°	565.6	544.4	495.8	444.7	402.4	367.5	340.1	320.1	304.0	294.0	290.3
60°	522.0	508.2	460.9	422.3	382.4	346.3	318.9	297.7	279.0	272.8	267.8
62.5°	464.7	453.4	418.6	383.7	352.5	321.4	295.2	274.1	256.6	250.4	246.7
65°	436.0	426.0	394.9	361.3	331.4	302.7	275.3	255.4	239.2	232.9	229.2
67.5°	408.6	399.9	371.2	337.6	308.9	279.0	256.6	236.7	221.7	215.5	213.0
70°	377.5	370.0	341.3	310.2	281.5	256.6	236.7	218.0	204.3	199.3	195.6
72.5°	346.3	337.6	311.4	279.0	255.4	231.7	214.3	198.1	184.4	179.4	176.9
75°	315.2	306.4	277.8	251.6	229.2	209.3	193.1	178.1	166.9	161.9	159.5
77.5°	281.5	272.8	249.1	225.5	205.5	188.1	173.2	160.7	149.5	145.7	143.3
80°	250.4	241.7	221.7	199.3	181.9	166.9	154.5	142.0	133.3	129.6	128.3
82.5°	220.5	213.0	194.3	175.6	159.5	145.7	135.8	125.8	118.3	114.6	113.4
85°	190.6	184.4	168.2	152.0	138.3	127.1	115.9	108.4	102.1	99.7	97.2
87.5°	163.2	157.0	143.3	129.6	118.3	108.4	98.4	92.2	87.2	86.0	82.2
90°	138.3	133.3	122.1	110.9	100.9	92.2	84.7	79.7	74.7	73.5	72.3
92.5°	118.3	113.4	104.6	95.9	88.4	79.7	74.7	69.8	67.3	66.0	64.8
95°	99.7	97.2	89.7	82.2	77.2	71.0	66.0	62.3	59.8	59.8	58.5
97.5°	84.7	82.2	76.0	72.3	67.3	62.3	58.5	56.1	54.8	54.8	52.3
100°	71.0	69.8	64.8	61.0	58.5	54.8	51.1	49.8	48.6	48.6	47.3
102.5°	62.3	61.0	57.3	53.6	51.1	48.6	46.1	44.8	43.6	43.6	42.4
105°	57.3	56.1	52.3	49.8	47.3	44.8	42.4	41.1	39.9	39.9	38.6
107.5°	54.8	53.6	51.1	48.6	44.8	42.4	41.1	39.9	36.1	37.4	37.4
110°	54.8	53.6	51.1	48.6	44.8	42.4	41.1	38.6	33.6	36.1	34.9

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CATALOG NUMBER: CRTK-N-30-730-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	57.3	56.1	53.6	49.8	46.1	43.6	41.1	38.6	32.4	34.9	34.9
115°	62.3	59.8	57.3	53.6	49.8	46.1	43.6	39.9	32.4	33.6	33.6
117.5°	68.5	66.0	63.5	58.5	53.6	49.8	46.1	41.1	33.6	33.6	33.6
120°	78.5	74.7	71.0	64.8	58.5	54.8	49.8	43.6	34.9	34.9	34.9
122.5°	89.7	86.0	81.0	72.3	64.8	59.8	53.6	47.3	36.1	36.1	36.1
125°	103.4	99.7	93.4	82.2	72.3	67.3	58.5	49.8	38.6	37.4	37.4
127.5°	120.8	114.6	105.9	92.2	81.0	74.7	63.5	52.3	39.9	37.4	38.6
130°	137.0	129.6	118.3	103.4	90.9	81.0	69.8	56.1	42.4	37.4	39.9
132.5°	150.7	143.3	130.8	114.6	99.7	88.4	74.7	58.5	43.6	38.6	39.9
135°	163.2	155.7	140.8	123.3	107.1	93.4	78.5	61.0	44.8	39.9	41.1
137.5°	171.9	164.4	147.0	129.6	112.1	95.9	79.7	62.3	44.8	39.9	39.9
140°	173.2	166.9	148.2	130.8	112.1	95.9	78.5	62.3	44.8	39.9	39.9
142.5°	169.4	161.9	144.5	127.1	109.6	92.2	76.0	58.5	42.4	37.4	37.4
145°	159.5	153.2	135.8	119.6	102.1	86.0	69.8	53.6	38.6	33.6	33.6
147.5°	142.0	137.0	120.8	108.4	90.9	76.0	61.0	47.3	33.6	28.7	28.7
150°	122.1	118.3	103.4	92.2	78.5	63.5	51.1	39.9	27.4	23.7	22.4
152.5°	99.7	95.9	83.5	74.7	62.3	51.1	41.1	31.1	22.4	18.7	17.4
155°	74.7	73.5	62.3	57.3	47.3	38.6	31.1	23.7	16.2	13.7	12.5
157.5°	54.8	52.3	44.8	41.1	34.9	28.7	22.4	17.4	11.2	8.7	7.5
160°	36.1	36.1	29.9	27.4	23.7	18.7	14.9	11.2	7.5	5.0	3.7
162.5°	21.2	21.2	17.4	16.2	14.9	11.2	8.7	7.5	5.0	2.5	2.5
165°	10.0	10.0	7.5	7.5	6.2	6.2	5.0	3.7	2.5	2.5	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)