

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: P853336

Luminaire Tested: **CRTK-N-30-727-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853336
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-30-727-U-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3841 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

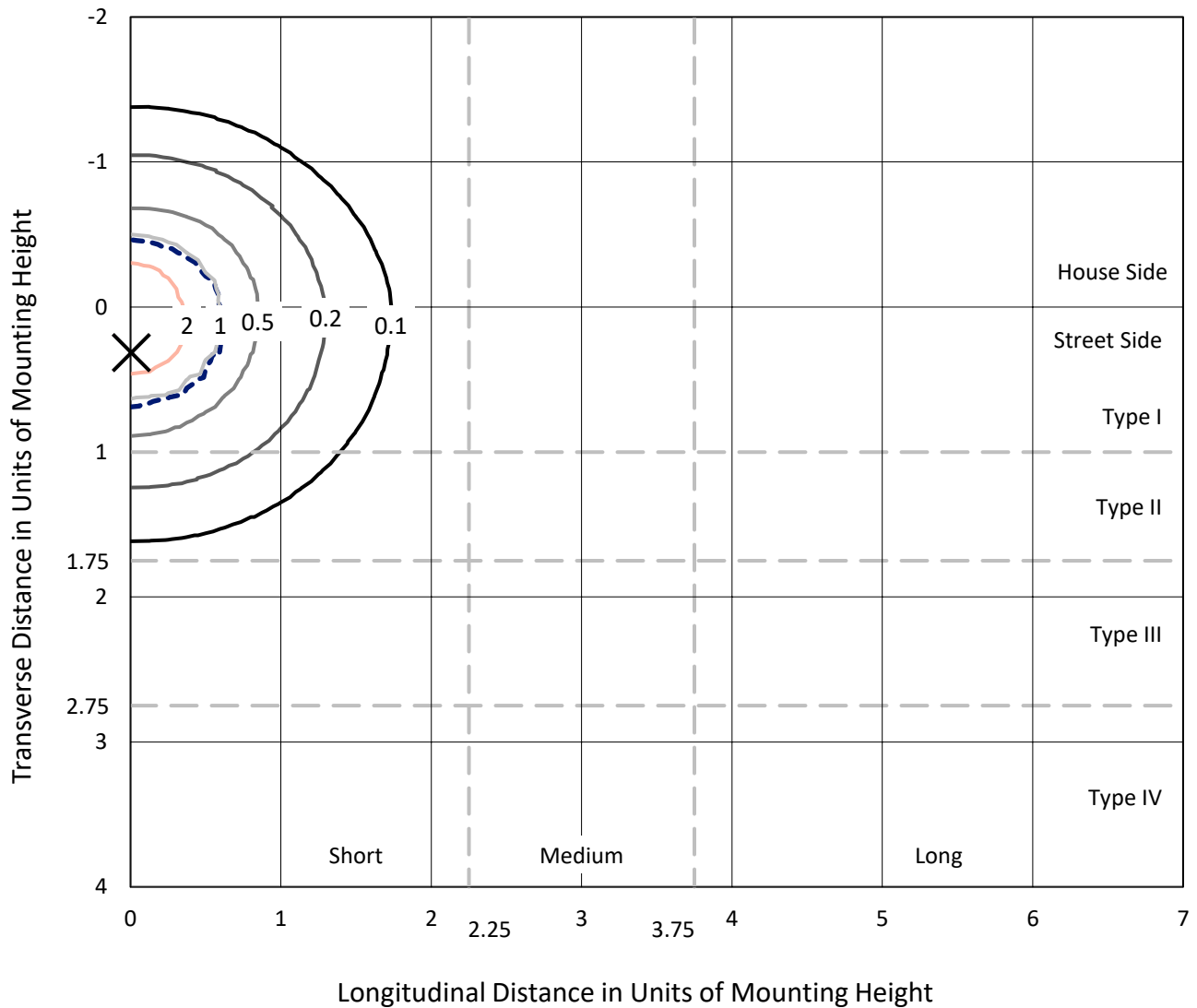
Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (Ain): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

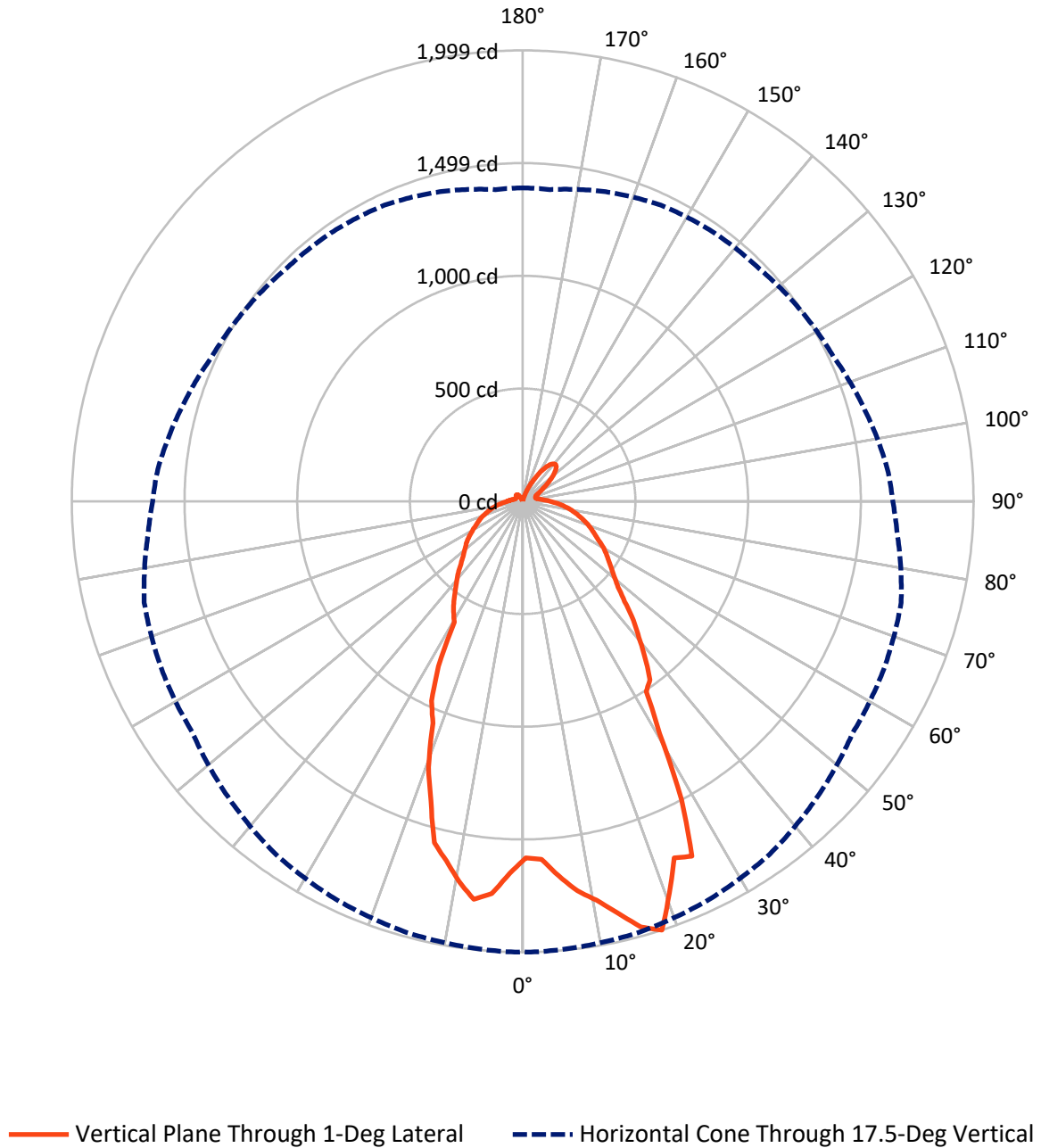
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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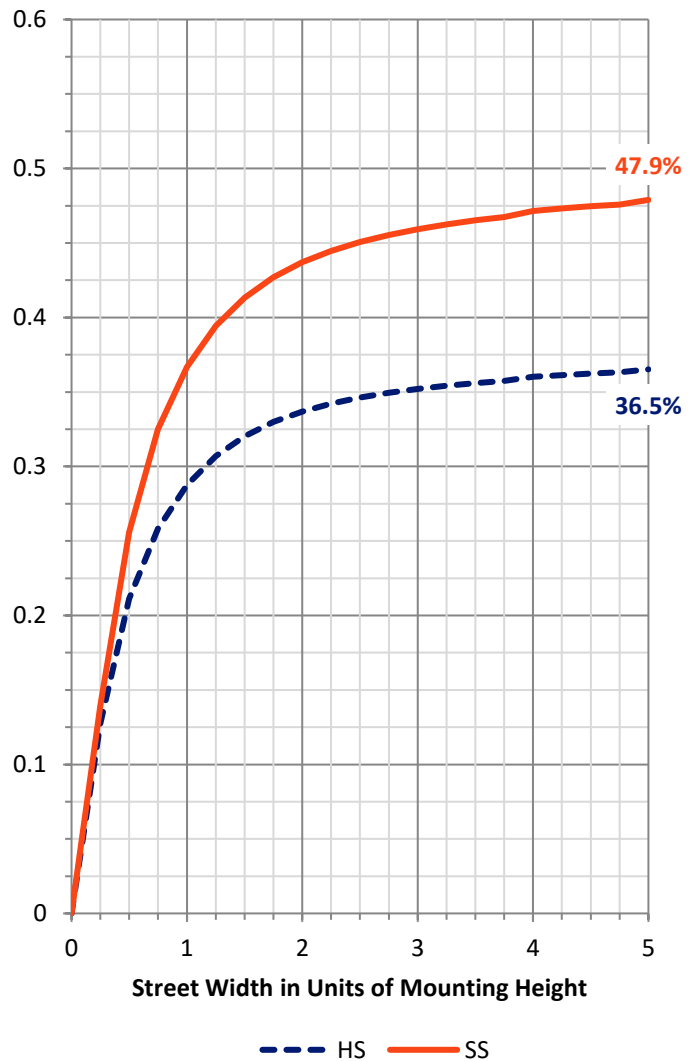
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.1	186.5	1630.5
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	1885.1	325.4	2210.5
	% Fixture	49.1	8.5	57.5
Total	Lumens	3329.1	511.9	3841.0
	% Fixture	86.7	13.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	4.1
10°-20°	468.9	12.2
20°-30°	587.1	15.3
30°-40°	495.9	12.9
40°-50°	436.5	11.4
50°-60°	406.2	10.6
60°-70°	345.7	9.0
70°-80°	262.8	6.8
80°-90°	167.4	4.4
90°-100°	91.2	2.4
100°-110°	56.3	1.5
110°-120°	57.3	1.5
120°-130°	83.7	2.2
130°-140°	108.9	2.8
140°-150°	82.3	2.1
150°-160°	29.0	0.8
160°-170°	3.1	0.1
170°-180°	0.0	0.0
0°-90°	3329.1	86.7
0°-180°	3841.0	100.0



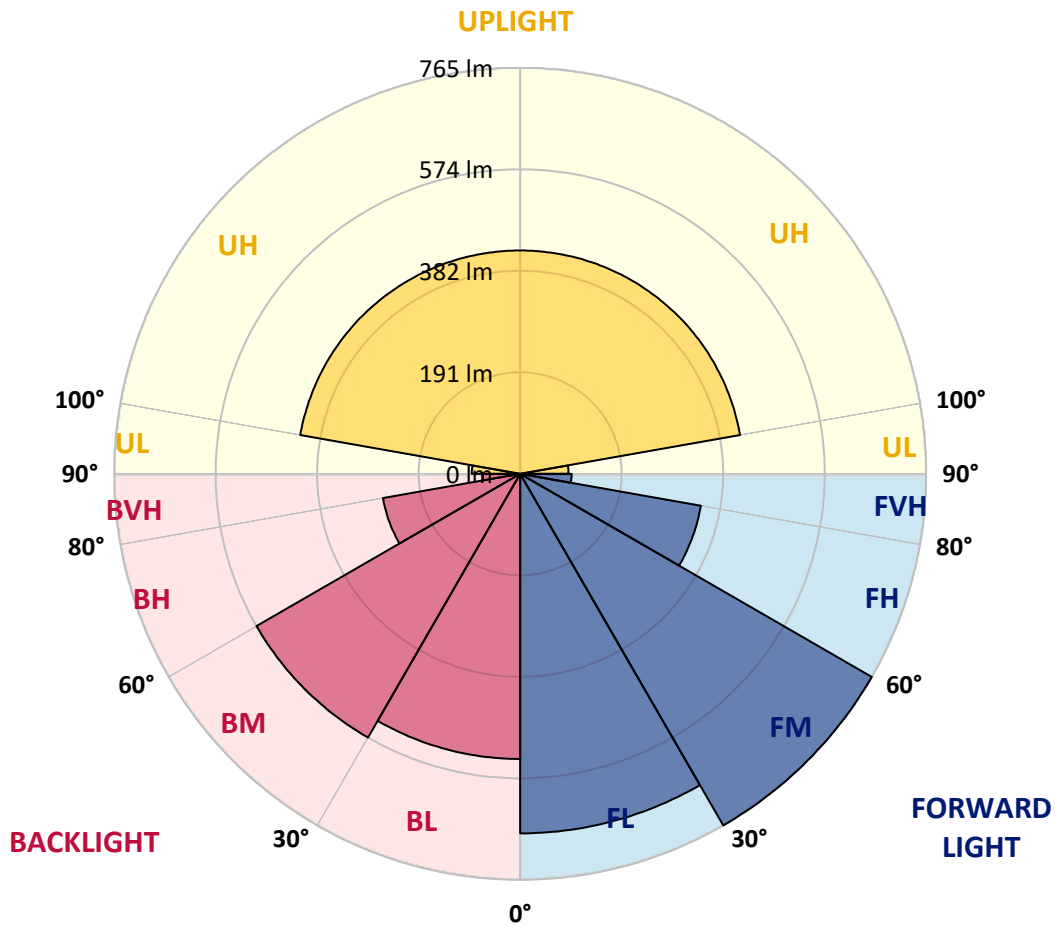
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.4	17.6			
FM (30°-60°)	764.9	19.9			
FH (60°-80°)	345.9	9.0			G0/660
FVH (80°-90°)	96.9	2.5			G1/100
BL (0°-30°)	537.3	14.0	B2/1000		
BM (30°-60°)	573.7	14.9	B1/1000		
BH (60°-80°)	262.6	6.8	B1/500		G1/500
BVH (80°-90°)	70.5	1.8			G1/100
UL (90°-100°)	91.2	2.4		U3/500	
UH (100°-180°)	420.7	11.0		U3/500	

BUG Rating: B2-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1588.1	1589.3	1592.9	1598.9	1598.9	1598.9	1598.9	1594.1	1601.3	1598.9	1594.1
5°	1668.7	1668.7	1671.1	1674.7	1671.1	1666.3	1662.6	1654.2	1655.4	1648.2	1641.0
7.5°	1744.4	1744.4	1746.8	1749.2	1737.2	1734.8	1719.2	1696.3	1672.3	1645.8	1618.2
10°	1797.3	1798.5	1803.3	1800.9	1792.5	1776.9	1742.0	1697.5	1653.0	1606.1	1567.7
12.5°	1873.0	1873.0	1871.8	1879.0	1862.2	1835.8	1782.9	1720.4	1671.1	1619.4	1564.1
15°	1954.8	1958.4	1970.4	1972.8	1947.6	1909.1	1849.0	1786.5	1730.0	1674.7	1609.8
17.5°	1998.1	1999.3	1995.7	1980.0	1950.0	1910.3	1850.2	1787.7	1766.0	1737.2	1667.5
20°	1855.0	1856.2	1867.0	1864.6	1858.6	1915.1	1857.4	1778.1	1722.8	1631.4	1505.2
22.5°	1718.0	1718.0	1739.6	1796.1	1762.4	1733.6	1666.3	1630.2	1508.8	1491.9	1430.6
25°	1739.6	1743.2	1737.2	1648.2	1577.3	1606.1	1529.2	1446.3	1458.3	1422.2	1286.4
27.5°	1496.7	1500.4	1517.2	1553.2	1471.5	1423.4	1375.3	1276.7	1290.0	1252.7	1271.9
30°	1203.4	1196.2	1202.2	1213.0	1161.3	1148.1	1137.3	1114.4	1114.4	993.0	918.5
32.5°	1001.4	1005.0	1007.4	1003.8	1001.4	1005.0	984.6	966.6	952.1	925.7	899.2
35°	973.8	972.6	975.0	963.0	943.7	940.1	931.7	929.3	916.1	880.0	860.8
37.5°	883.6	882.4	886.0	881.2	860.8	864.4	858.4	850.0	834.3	795.9	781.4
40°	794.7	793.5	794.7	791.1	773.0	769.4	765.8	761.0	747.8	720.1	710.5
42.5°	722.5	720.1	722.5	718.9	700.9	698.5	696.1	693.7	685.3	664.8	662.4
45°	634.8	633.6	636.0	637.2	626.3	632.4	634.8	633.6	627.6	613.1	609.5
47.5°	568.6	568.6	569.8	578.3	574.7	583.1	587.9	590.3	593.9	597.5	597.5
50°	526.6	526.6	526.6	537.4	545.8	563.8	572.2	578.3	585.5	577.1	569.8
52.5°	491.7	492.9	494.1	503.7	516.9	535.0	548.2	559.0	562.6	554.2	550.6
55°	462.8	461.6	465.3	473.7	488.1	504.9	518.2	530.2	542.2	544.6	544.6
57.5°	435.2	436.4	438.8	448.4	462.8	480.9	500.1	518.2	535.0	550.6	557.8
60°	408.7	408.7	410.0	419.6	432.8	450.8	471.3	486.9	504.9	500.1	502.5
62.5°	376.3	376.3	378.7	387.1	400.3	413.6	426.8	435.2	447.2	447.2	449.6
65°	352.2	351.0	353.4	360.7	372.7	382.3	395.5	403.9	416.0	419.6	423.2
67.5°	328.2	328.2	329.4	335.4	347.4	357.1	366.7	376.3	387.1	390.7	395.5
70°	306.6	306.6	306.6	312.6	323.4	331.8	340.2	348.6	359.5	359.5	365.5
72.5°	281.3	281.3	286.1	288.5	300.6	307.8	315.0	321.0	330.6	330.6	335.4
75°	259.7	257.3	260.9	264.5	275.3	281.3	286.1	292.1	301.8	300.6	304.2
77.5°	236.8	234.4	238.0	241.6	248.9	254.9	257.3	263.3	269.3	268.1	271.7
80°	212.8	211.6	215.2	216.4	223.6	228.4	230.8	234.4	240.4	238.0	242.8
82.5°	189.9	187.5	191.2	192.4	197.2	202.0	204.4	206.8	211.6	209.2	212.8
85°	165.9	163.5	165.9	168.3	171.9	176.7	177.9	179.1	185.1	181.5	185.1
87.5°	141.9	139.5	143.1	144.3	147.9	151.5	153.9	153.9	158.7	155.1	158.7
90°	121.4	119.0	121.4	122.6	125.0	128.6	129.8	131.0	134.6	131.0	134.6
92.5°	102.2	99.8	102.2	103.4	105.8	109.4	111.8	111.8	115.4	110.6	114.2
95°	86.6	84.2	86.6	87.8	89.0	91.4	93.8	95.0	97.4	93.8	96.2
97.5°	74.5	73.3	74.5	74.5	75.7	78.1	80.5	81.7	83.0	79.3	80.5
100°	66.1	64.9	66.1	66.1	66.1	67.3	68.5	69.7	70.9	67.3	68.5
102.5°	61.3	61.3	61.3	61.3	61.3	62.5	63.7	63.7	62.5	60.1	60.1
105°	58.9	58.9	58.9	58.9	58.9	60.1	60.1	60.1	58.9	57.7	56.5
107.5°	58.9	60.1	58.9	58.9	58.9	60.1	60.1	58.9	57.7	56.5	54.1
110°	61.3	62.5	61.3	61.3	61.3	61.3	61.3	60.1	57.7	56.5	54.1

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	64.9	66.1	66.1	66.1	64.9	64.9	63.7	62.5	60.1	58.9	56.5
115°	70.9	73.3	72.1	72.1	70.9	70.9	69.7	67.3	64.9	63.7	61.3
117.5°	80.5	83.0	81.7	81.7	81.7	79.3	76.9	74.5	72.1	70.9	68.5
120°	93.8	96.2	95.0	95.0	95.0	91.4	90.2	85.4	83.0	81.7	78.1
122.5°	110.6	113.0	111.8	110.6	111.8	107.0	104.6	99.8	96.2	96.2	90.2
125°	129.8	133.4	132.2	131.0	131.0	126.2	123.8	117.8	113.0	111.8	105.8
127.5°	152.7	156.3	155.1	153.9	152.7	147.9	145.5	138.3	132.2	129.8	122.6
130°	175.5	179.1	177.9	176.7	176.7	171.9	168.3	161.1	153.9	147.9	138.3
132.5°	196.0	198.4	197.2	197.2	198.4	194.8	191.2	181.5	171.9	163.5	152.7
135°	211.6	212.8	212.8	212.8	215.2	211.6	206.8	198.4	186.3	175.5	164.7
137.5°	218.8	218.8	218.8	220.0	222.4	220.0	215.2	208.0	196.0	183.9	171.9
140°	216.4	215.2	216.4	217.6	220.0	220.0	215.2	208.0	197.2	183.9	173.1
142.5°	206.8	204.4	205.6	208.0	209.2	212.8	208.0	200.8	191.2	177.9	168.3
145°	188.7	185.1	186.3	188.7	189.9	194.8	191.2	185.1	177.9	165.9	157.5
147.5°	164.7	161.1	162.3	165.9	164.7	169.5	167.1	163.5	158.7	146.7	140.7
150°	137.1	132.2	134.6	137.1	134.6	139.5	137.1	135.8	133.4	123.8	119.0
152.5°	108.2	103.4	105.8	108.2	104.6	108.2	105.8	107.0	105.8	97.4	95.0
155°	83.0	79.3	80.5	81.7	78.1	80.5	79.3	80.5	80.5	73.3	72.1
157.5°	60.1	56.5	57.7	58.9	56.5	57.7	57.7	57.7	58.9	52.9	51.7
160°	39.7	37.3	38.5	38.5	37.3	38.5	38.5	38.5	39.7	34.9	34.9
162.5°	22.8	20.4	21.6	22.8	21.6	22.8	22.8	24.0	24.0	20.4	20.4
165°	9.6	7.2	8.4	8.4	8.4	9.6	9.6	10.8	10.8	8.4	8.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9	1580.9
2.5°	1594.1	1598.9	1606.1	1614.6	1619.4	1626.6	1632.6	1641.0	1649.4	1653.0	1649.4
5°	1638.6	1643.4	1649.4	1657.8	1662.6	1665.1	1680.7	1705.9	1728.8	1744.4	1744.4
7.5°	1608.5	1604.9	1611.0	1620.6	1629.0	1647.0	1668.7	1702.3	1746.8	1775.7	1779.3
10°	1552.0	1548.4	1542.4	1548.4	1554.5	1571.3	1594.1	1627.8	1674.7	1705.9	1709.5
12.5°	1546.0	1536.4	1526.8	1526.8	1526.8	1535.2	1553.2	1577.3	1604.9	1625.4	1630.2
15°	1589.3	1577.3	1559.3	1550.8	1540.0	1531.6	1532.8	1538.8	1556.9	1566.5	1562.9
17.5°	1641.0	1624.2	1570.1	1519.6	1494.3	1470.3	1461.9	1448.7	1421.0	1387.3	1389.7
20°	1485.9	1476.3	1479.9	1458.3	1425.8	1366.9	1262.3	1228.7	1234.7	1251.5	1250.3
22.5°	1401.8	1375.3	1320.0	1247.9	1253.9	1167.3	1157.7	1150.5	1086.8	1064.0	1060.3
25°	1255.1	1255.1	1256.3	1152.9	1102.4	1045.9	1003.8	975.0	954.6	957.0	977.4
27.5°	1240.7	1193.8	1095.2	994.2	934.1	924.5	889.6	823.5	827.1	825.9	821.1
30°	901.7	888.4	905.3	880.0	834.3	787.4	746.6	710.5	674.4	621.5	614.3
32.5°	882.4	865.6	828.3	780.2	740.6	700.9	661.2	627.6	596.3	580.7	577.1
35°	851.2	835.5	795.9	747.8	706.9	666.0	623.9	587.9	555.4	544.6	537.4
37.5°	776.6	763.4	729.7	686.5	649.2	611.9	571.0	541.0	513.3	502.5	495.3
40°	705.7	696.1	664.8	627.6	591.5	557.8	524.2	497.7	474.9	464.1	459.2
42.5°	658.8	648.0	616.7	579.5	548.2	513.3	484.5	460.4	440.0	430.4	425.6
45°	607.1	598.7	569.8	537.4	506.1	470.1	444.8	422.0	402.7	394.3	389.5
47.5°	590.3	577.1	541.0	506.1	474.9	441.2	414.8	390.7	373.9	366.7	361.9
50°	565.0	553.0	519.4	485.7	452.0	417.2	389.5	365.5	349.8	342.6	339.0
52.5°	542.2	526.6	495.3	459.2	425.6	391.9	366.7	346.2	330.6	323.4	319.8
55°	538.6	520.6	485.7	446.0	406.3	373.9	347.4	327.0	311.4	305.4	301.8
57.5°	545.8	525.4	478.5	429.2	388.3	354.7	328.2	309.0	293.3	283.7	280.1
60°	503.7	490.5	444.8	407.5	369.1	334.2	307.8	287.3	269.3	263.3	258.5
62.5°	448.4	437.6	403.9	370.3	340.2	310.2	284.9	264.5	247.7	241.6	238.0
65°	420.8	411.2	381.1	348.6	319.8	292.1	265.7	246.5	230.8	224.8	221.2
67.5°	394.3	385.9	358.3	325.8	298.1	269.3	247.7	228.4	214.0	208.0	205.6
70°	364.3	357.1	329.4	299.3	271.7	247.7	228.4	210.4	197.2	192.4	188.7
72.5°	334.2	325.8	300.6	269.3	246.5	223.6	206.8	191.2	177.9	173.1	170.7
75°	304.2	295.7	268.1	242.8	221.2	202.0	186.3	171.9	161.1	156.3	153.9
77.5°	271.7	263.3	240.4	217.6	198.4	181.5	167.1	155.1	144.3	140.7	138.3
80°	241.6	233.2	214.0	192.4	175.5	161.1	149.1	137.1	128.6	125.0	123.8
82.5°	212.8	205.6	187.5	169.5	153.9	140.7	131.0	121.4	114.2	110.6	109.4
85°	183.9	177.9	162.3	146.7	133.4	122.6	111.8	104.6	98.6	96.2	93.8
87.5°	157.5	151.5	138.3	125.0	114.2	104.6	95.0	89.0	84.2	83.0	79.3
90°	133.4	128.6	117.8	107.0	97.4	89.0	81.7	76.9	72.1	70.9	69.7
92.5°	114.2	109.4	101.0	92.6	85.4	76.9	72.1	67.3	64.9	63.7	62.5
95°	96.2	93.8	86.6	79.3	74.5	68.5	63.7	60.1	57.7	57.7	56.5
97.5°	81.7	79.3	73.3	69.7	64.9	60.1	56.5	54.1	52.9	52.9	50.5
100°	68.5	67.3	62.5	58.9	56.5	52.9	49.3	48.1	46.9	46.9	45.7
102.5°	60.1	58.9	55.3	51.7	49.3	46.9	44.5	43.3	42.1	42.1	40.9
105°	55.3	54.1	50.5	48.1	45.7	43.3	40.9	39.7	38.5	38.5	37.3
107.5°	52.9	51.7	49.3	46.9	43.3	40.9	39.7	38.5	34.9	36.1	36.1
110°	52.9	51.7	49.3	46.9	43.3	40.9	39.7	37.3	32.5	34.9	33.7

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 CATALOG NUMBER: CRTK-N-30-727-U-T2R-RMARROA5

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	55.3	54.1	51.7	48.1	44.5	42.1	39.7	37.3	31.3	33.7	33.7
115°	60.1	57.7	55.3	51.7	48.1	44.5	42.1	38.5	31.3	32.5	32.5
117.5°	66.1	63.7	61.3	56.5	51.7	48.1	44.5	39.7	32.5	32.5	32.5
120°	75.7	72.1	68.5	62.5	56.5	52.9	48.1	42.1	33.7	33.7	33.7
122.5°	86.6	83.0	78.1	69.7	62.5	57.7	51.7	45.7	34.9	34.9	34.9
125°	99.8	96.2	90.2	79.3	69.7	64.9	56.5	48.1	37.3	36.1	36.1
127.5°	116.6	110.6	102.2	89.0	78.1	72.1	61.3	50.5	38.5	36.1	37.3
130°	132.2	125.0	114.2	99.8	87.8	78.1	67.3	54.1	40.9	36.1	38.5
132.5°	145.5	138.3	126.2	110.6	96.2	85.4	72.1	56.5	42.1	37.3	38.5
135°	157.5	150.3	135.8	119.0	103.4	90.2	75.7	58.9	43.3	38.5	39.7
137.5°	165.9	158.7	141.9	125.0	108.2	92.6	76.9	60.1	43.3	38.5	38.5
140°	167.1	161.1	143.1	126.2	108.2	92.6	75.7	60.1	43.3	38.5	38.5
142.5°	163.5	156.3	139.5	122.6	105.8	89.0	73.3	56.5	40.9	36.1	36.1
145°	153.9	147.9	131.0	115.4	98.6	83.0	67.3	51.7	37.3	32.5	32.5
147.5°	137.1	132.2	116.6	104.6	87.8	73.3	58.9	45.7	32.5	27.7	27.7
150°	117.8	114.2	99.8	89.0	75.7	61.3	49.3	38.5	26.4	22.8	21.6
152.5°	96.2	92.6	80.5	72.1	60.1	49.3	39.7	30.1	21.6	18.0	16.8
155°	72.1	70.9	60.1	55.3	45.7	37.3	30.1	22.8	15.6	13.2	12.0
157.5°	52.9	50.5	43.3	39.7	33.7	27.7	21.6	16.8	10.8	8.4	7.2
160°	34.9	34.9	28.9	26.4	22.8	18.0	14.4	10.8	7.2	4.8	3.6
162.5°	20.4	20.4	16.8	15.6	14.4	10.8	8.4	7.2	4.8	2.4	2.4
165°	9.6	9.6	7.2	7.2	6.0	6.0	4.8	3.6	2.4	2.4	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)