

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: P853354

Luminaire Tested: **CRTK-N-30-740-U-T2R-RMARROA5**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853354  
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-30-740-U-T2R-RMARROA5  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

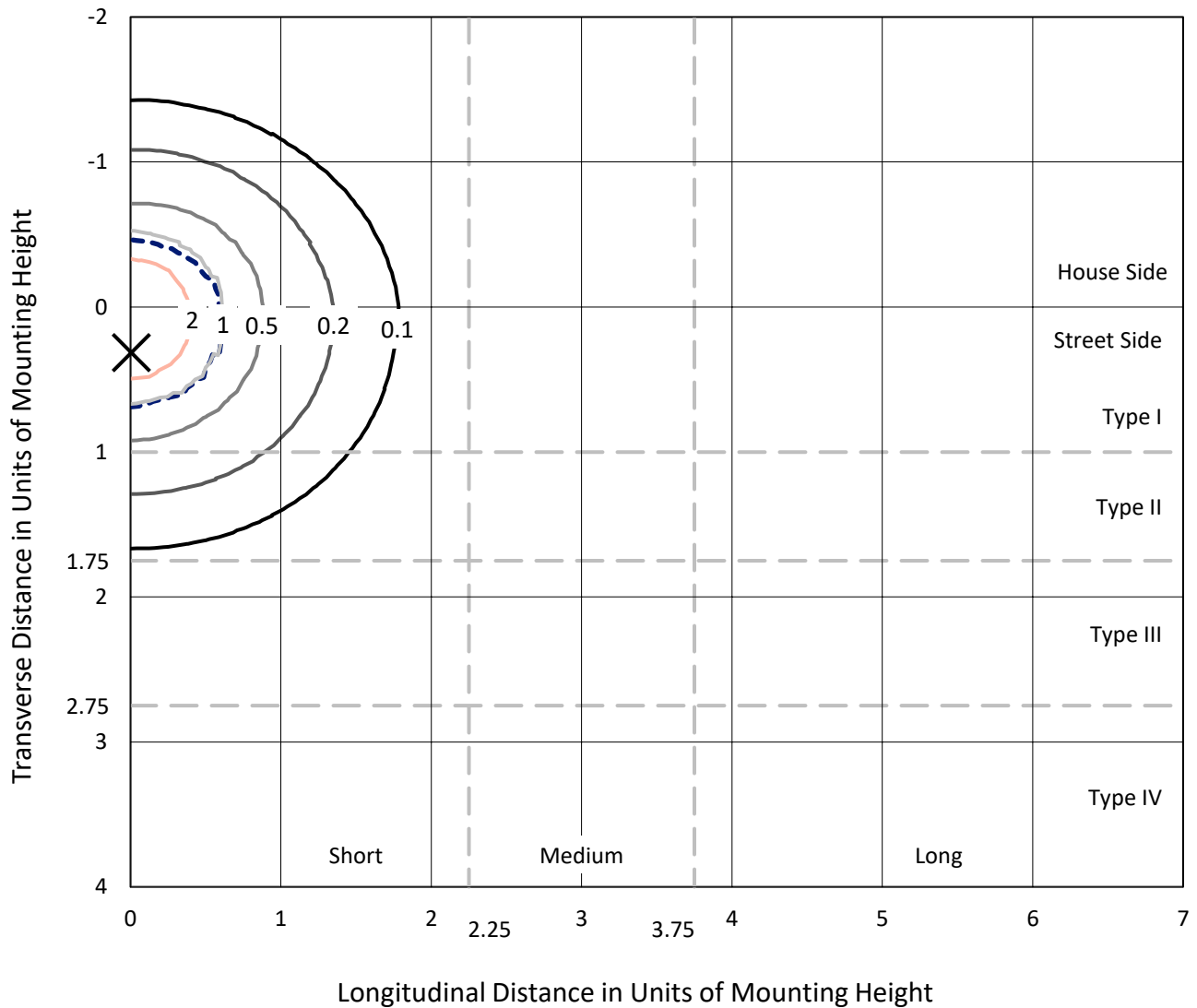
Lumens per Lamp: N/A  
Luminaire Lumens: 4179 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 32.3  
Input Voltage (V): 120.0  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

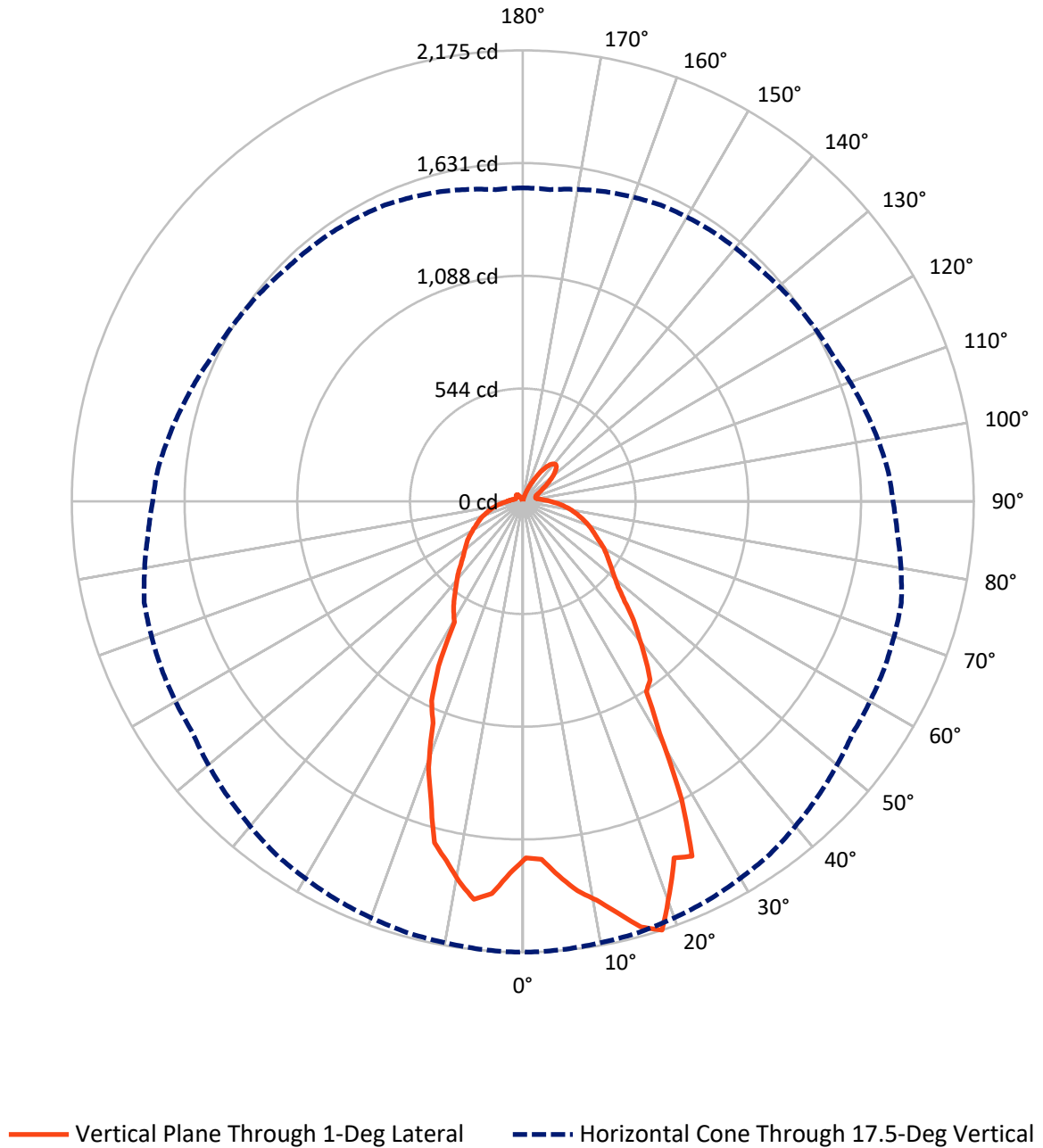
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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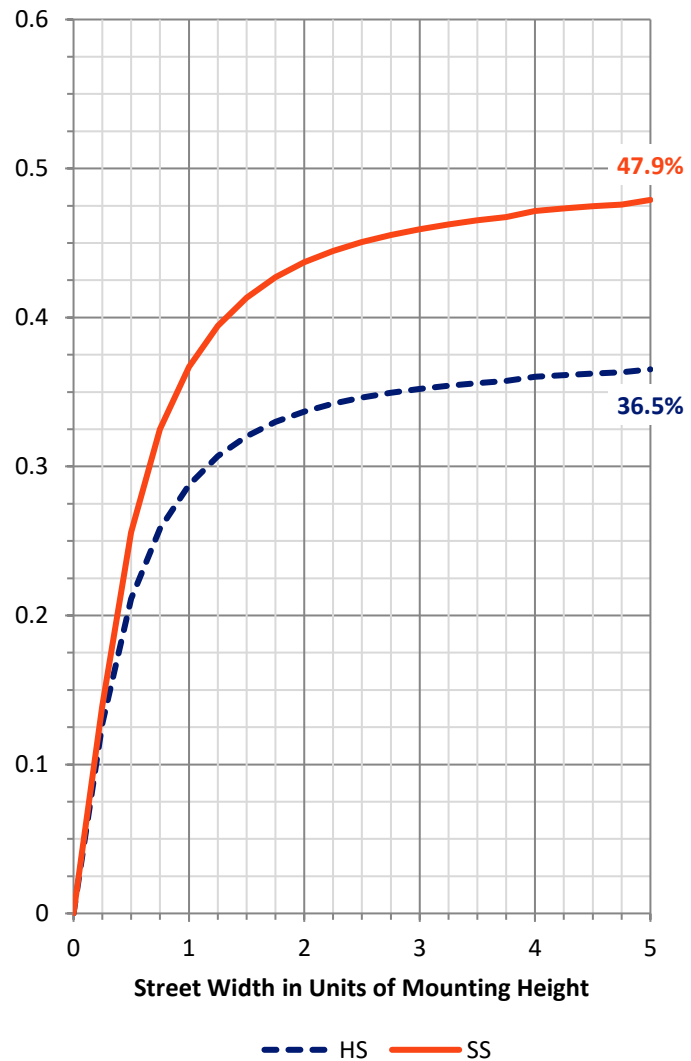
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1571.1	202.9	1774.0
	% Fixture	37.6	4.9	42.5
<b>Street Side</b>	Lumens	2050.9	354.0	2405.0
	% Fixture	49.1	8.5	57.5
<b>Total</b>	Lumens	3622.1	556.9	4179.0
	% Fixture	86.7	13.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.7	4.1
10°-20°	510.1	12.2
20°-30°	638.7	15.3
30°-40°	539.5	12.9
40°-50°	474.9	11.4
50°-60°	441.9	10.6
60°-70°	376.2	9.0
70°-80°	285.9	6.8
80°-90°	182.1	4.4
90°-100°	99.2	2.4
100°-110°	61.3	1.5
110°-120°	62.4	1.5
120°-130°	91.1	2.2
130°-140°	118.5	2.8
140°-150°	89.5	2.1
150°-160°	31.5	0.8
160°-170°	3.4	0.1
170°-180°	0.0	0.0
0°-90°	3622.1	86.7
0°-180°	4179.0	100.0

**Coefficient of Utilization**



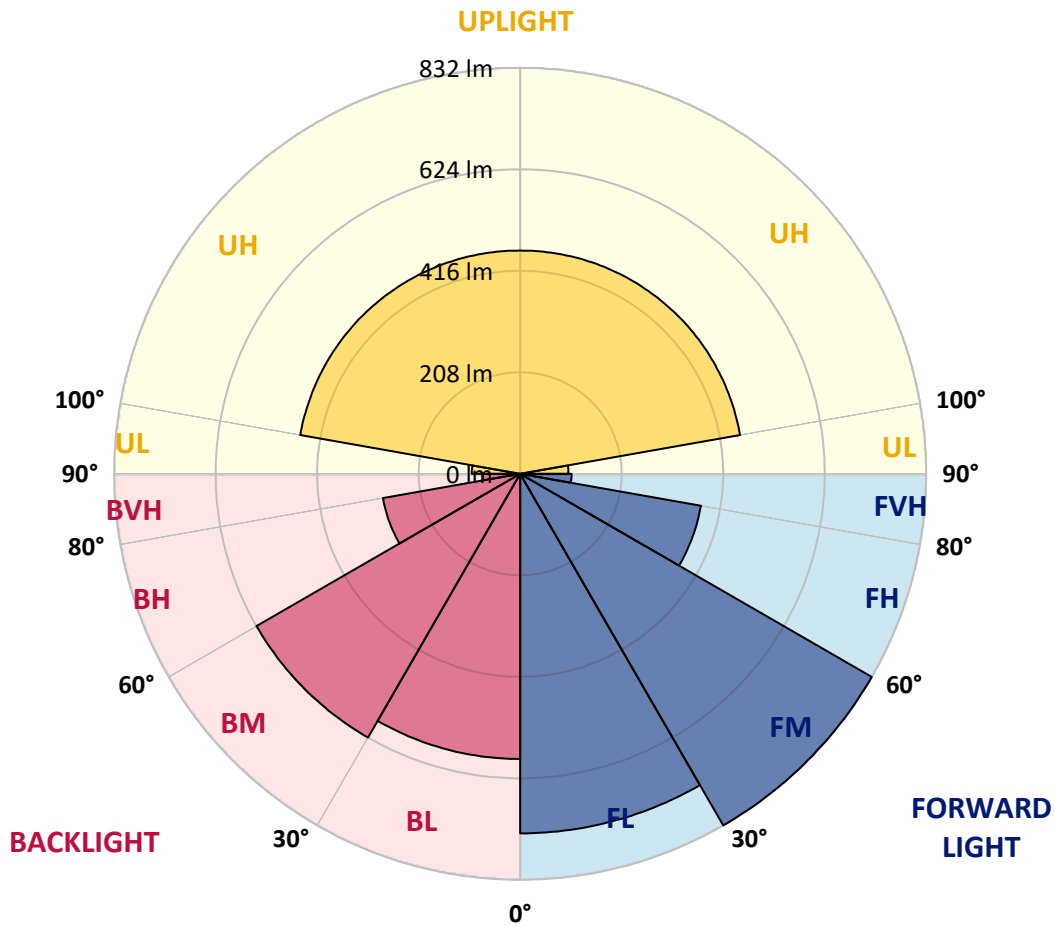
REPORT NUMBER: P853354  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.0	17.6			
FM (30°-60°)	832.3	19.9			
FH (60°-80°)	376.3	9.0			G0/660
FVH (80°-90°)	105.4	2.5			G2/225
BL (0°-30°)	584.6	14.0	B2/1000		
BM (30°-60°)	624.2	14.9	B1/1000		
BH (60°-80°)	285.7	6.8	B1/500		G1/500
BVH (80°-90°)	76.7	1.8			G1/100
UL (90°-100°)	99.2	2.4		U3/500	
UH (100°-180°)	457.7	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°	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0
2.5°	1727.9	1729.2	1733.1	1739.6	1739.6	1739.6	1739.6	1734.4	1742.3	1739.6	1734.4
5°	1815.5	1815.5	1818.1	1822.0	1818.1	1812.9	1809.0	1799.8	1801.1	1793.3	1785.4
7.5°	1897.9	1897.9	1900.5	1903.1	1890.1	1887.4	1870.4	1845.6	1819.4	1790.6	1760.6
10°	1955.5	1956.8	1962.0	1959.4	1950.2	1933.2	1895.3	1846.9	1798.5	1747.5	1705.6
12.5°	2037.9	2037.9	2036.6	2044.4	2026.1	1997.3	1939.8	1871.7	1818.1	1761.9	1701.7
15°	2126.8	2130.7	2143.8	2146.4	2119.0	2077.1	2011.7	1943.7	1882.2	1822.0	1751.4
17.5°	2173.9	2175.2	2171.3	2154.3	2121.6	2078.4	2013.0	1945.0	1921.4	1890.1	1814.2
20°	2018.2	2019.5	2031.3	2028.7	2022.2	2083.6	2020.9	1934.5	1874.4	1775.0	1637.6
22.5°	1869.1	1869.1	1892.7	1954.1	1917.5	1886.1	1812.9	1773.6	1641.5	1623.2	1556.5
25°	1892.7	1896.6	1890.1	1793.3	1716.1	1747.5	1663.8	1573.5	1586.6	1547.4	1399.6
27.5°	1628.5	1632.4	1650.7	1689.9	1601.0	1548.7	1496.3	1389.1	1403.5	1362.9	1383.9
30°	1309.3	1301.5	1308.0	1319.8	1263.5	1249.1	1237.4	1212.5	1212.5	1080.4	999.3
32.5°	1089.6	1093.5	1096.1	1092.2	1089.6	1093.5	1071.2	1051.6	1035.9	1007.2	978.4
35°	1059.5	1058.2	1060.8	1047.7	1026.8	1022.9	1013.7	1011.1	996.7	957.5	936.5
37.5°	961.4	960.1	964.0	958.8	936.5	940.4	933.9	924.8	907.7	865.9	850.2
40°	864.6	863.3	864.6	860.7	841.0	837.1	833.2	828.0	813.6	783.5	773.0
42.5°	786.1	783.5	786.1	782.2	762.6	759.9	757.3	754.7	745.6	723.3	720.7
45°	690.6	689.3	691.9	693.2	681.5	688.0	690.6	689.3	682.8	667.1	663.2
47.5°	618.7	618.7	620.0	629.1	625.2	634.4	639.6	642.2	646.2	650.1	650.1
50°	572.9	572.9	572.9	584.7	593.8	613.5	622.6	629.1	637.0	627.8	620.0
52.5°	535.0	536.3	537.6	548.1	562.4	582.1	596.4	608.2	612.1	603.0	599.1
55°	503.6	502.3	506.2	515.4	531.0	549.4	563.7	576.8	589.9	592.5	592.5
57.5°	473.5	474.8	477.4	487.9	503.6	523.2	544.1	563.7	582.1	599.1	606.9
60°	444.7	444.7	446.0	456.5	470.9	490.5	512.7	529.7	549.4	544.1	546.7
62.5°	409.4	409.4	412.0	421.2	435.6	450.0	464.3	473.5	486.6	486.6	489.2
65°	383.2	381.9	384.6	392.4	405.5	415.9	430.3	439.5	452.6	456.5	460.4
67.5°	357.1	357.1	358.4	364.9	378.0	388.5	398.9	409.4	421.2	425.1	430.3
70°	333.5	333.5	333.5	340.1	351.9	361.0	370.2	379.3	391.1	391.1	397.6
72.5°	306.1	306.1	311.3	313.9	327.0	334.8	342.7	349.2	359.7	359.7	364.9
75°	282.5	279.9	283.8	287.8	299.5	306.1	311.3	317.8	328.3	327.0	330.9
77.5°	257.7	255.1	259.0	262.9	270.8	277.3	279.9	286.5	293.0	291.7	295.6
80°	231.5	230.2	234.1	235.4	243.3	248.5	251.1	255.1	261.6	259.0	264.2
82.5°	206.7	204.0	208.0	209.3	214.5	219.7	222.4	225.0	230.2	227.6	231.5
85°	180.5	177.9	180.5	183.1	187.0	192.3	193.6	194.9	201.4	197.5	201.4
87.5°	154.3	151.7	155.7	157.0	160.9	164.8	167.4	167.4	172.7	168.7	172.7
90°	132.1	129.5	132.1	133.4	136.0	140.0	141.3	142.6	146.5	142.6	146.5
92.5°	111.2	108.6	111.2	112.5	115.1	119.0	121.6	121.6	125.6	120.3	124.3
95°	94.2	91.6	94.2	95.5	96.8	99.4	102.0	103.3	105.9	102.0	104.6
97.5°	81.1	79.8	81.1	81.1	82.4	85.0	87.6	88.9	90.3	86.3	87.6
100°	71.9	70.6	71.9	71.9	71.9	73.2	74.6	75.9	77.2	73.2	74.6
102.5°	66.7	66.7	66.7	66.7	66.7	68.0	69.3	69.3	68.0	65.4	65.4
105°	64.1	64.1	64.1	64.1	64.1	65.4	65.4	65.4	64.1	62.8	61.5
107.5°	64.1	65.4	64.1	64.1	64.1	65.4	65.4	64.1	62.8	61.5	58.9
110°	66.7	68.0	66.7	66.7	66.7	66.7	66.7	65.4	62.8	61.5	58.9

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**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	70.6	71.9	71.9	71.9	70.6	70.6	69.3	68.0	65.4	64.1	61.5
115°	77.2	79.8	78.5	78.5	77.2	77.2	75.9	73.2	70.6	69.3	66.7
117.5°	87.6	90.3	88.9	88.9	88.9	86.3	83.7	81.1	78.5	77.2	74.6
120°	102.0	104.6	103.3	103.3	103.3	99.4	98.1	92.9	90.3	88.9	85.0
122.5°	120.3	123.0	121.6	120.3	121.6	116.4	113.8	108.6	104.6	104.6	98.1
125°	141.3	145.2	143.9	142.6	142.6	137.3	134.7	128.2	123.0	121.6	115.1
127.5°	166.1	170.0	168.7	167.4	166.1	160.9	158.3	150.4	143.9	141.3	133.4
130°	191.0	194.9	193.6	192.3	192.3	187.0	183.1	175.3	167.4	160.9	150.4
132.5°	213.2	215.8	214.5	214.5	215.8	211.9	208.0	197.5	187.0	177.9	166.1
135°	230.2	231.5	231.5	231.5	234.1	230.2	225.0	215.8	202.7	191.0	179.2
137.5°	238.1	238.1	238.1	239.4	242.0	239.4	234.1	226.3	213.2	200.1	187.0
140°	235.4	234.1	235.4	236.7	239.4	239.4	234.1	226.3	214.5	200.1	188.4
142.5°	225.0	222.4	223.7	226.3	227.6	231.5	226.3	218.4	208.0	193.6	183.1
145°	205.4	201.4	202.7	205.4	206.7	211.9	208.0	201.4	193.6	180.5	171.3
147.5°	179.2	175.3	176.6	180.5	179.2	184.4	181.8	177.9	172.7	159.6	153.0
150°	149.1	143.9	146.5	149.1	146.5	151.7	149.1	147.8	145.2	134.7	129.5
152.5°	117.7	112.5	115.1	117.7	113.8	117.7	115.1	116.4	115.1	105.9	103.3
155°	90.3	86.3	87.6	88.9	85.0	87.6	86.3	87.6	87.6	79.8	78.5
157.5°	65.4	61.5	62.8	64.1	61.5	62.8	62.8	62.8	64.1	57.6	56.2
160°	43.2	40.5	41.9	41.9	40.5	41.9	41.9	41.9	43.2	37.9	37.9
162.5°	24.9	22.2	23.5	24.9	23.5	24.9	24.9	26.2	26.2	22.2	22.2
165°	10.5	7.8	9.2	9.2	9.2	10.5	10.5	11.8	11.8	9.2	9.2
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0	1720.0
2.5°	1734.4	1739.6	1747.5	1756.6	1761.9	1769.7	1776.3	1785.4	1794.6	1798.5	1794.6
5°	1782.8	1788.0	1794.6	1803.7	1809.0	1811.6	1828.6	1856.0	1880.9	1897.9	1897.9
7.5°	1750.1	1746.2	1752.7	1763.2	1772.3	1792.0	1815.5	1852.1	1900.5	1931.9	1935.8
10°	1688.6	1684.7	1678.2	1684.7	1691.2	1709.6	1734.4	1771.0	1822.0	1856.0	1860.0
12.5°	1682.1	1671.6	1661.2	1661.2	1661.2	1670.3	1689.9	1716.1	1746.2	1768.4	1773.6
15°	1729.2	1716.1	1696.5	1687.3	1675.5	1666.4	1667.7	1674.2	1693.9	1704.3	1700.4
17.5°	1785.4	1767.1	1708.2	1653.3	1625.8	1599.7	1590.5	1576.1	1546.1	1509.4	1512.0
20°	1616.7	1606.2	1610.1	1586.6	1551.3	1487.2	1373.4	1336.8	1343.3	1361.6	1360.3
22.5°	1525.1	1496.3	1436.2	1357.7	1364.2	1270.1	1259.6	1251.8	1182.4	1157.6	1153.7
25°	1365.5	1365.5	1366.9	1254.4	1199.4	1138.0	1092.2	1060.8	1038.5	1041.2	1063.4
27.5°	1349.9	1298.8	1191.6	1081.7	1016.3	1005.8	967.9	896.0	899.9	898.6	893.4
30°	981.0	966.6	984.9	957.5	907.7	856.7	812.3	773.0	733.8	676.2	668.4
32.5°	960.1	941.8	901.2	848.9	805.7	762.6	719.4	682.8	648.8	631.8	627.8
35°	926.1	909.1	865.9	813.6	769.1	724.6	678.9	639.6	604.3	592.5	584.7
37.5°	845.0	830.6	794.0	746.9	706.3	665.8	621.3	588.6	558.5	546.7	538.9
40°	767.8	757.3	723.3	682.8	643.5	606.9	570.3	541.5	516.7	504.9	499.7
42.5°	716.8	705.0	671.0	630.5	596.4	558.5	527.1	501.0	478.7	468.3	463.0
45°	660.5	651.4	620.0	584.7	550.7	511.4	484.0	459.1	438.2	429.0	423.8
47.5°	642.2	627.8	588.6	550.7	516.7	480.0	451.3	425.1	406.8	398.9	393.7
50°	614.8	601.7	565.1	528.4	491.8	453.9	423.8	397.6	380.6	372.8	368.9
52.5°	589.9	572.9	538.9	499.7	463.0	426.4	398.9	376.7	359.7	351.9	347.9
55°	586.0	566.4	528.4	485.3	442.1	406.8	378.0	355.8	338.8	332.2	328.3
57.5°	593.8	571.6	520.6	467.0	422.5	385.9	357.1	336.2	319.2	308.7	304.8
60°	548.1	533.7	484.0	443.4	401.6	363.6	334.8	312.6	293.0	286.5	281.2
62.5°	487.9	476.1	439.5	402.9	370.2	337.5	310.0	287.8	269.4	262.9	259.0
65°	457.8	447.3	414.6	379.3	347.9	317.8	289.1	268.1	251.1	244.6	240.7
67.5°	429.0	419.9	389.8	354.5	324.4	293.0	269.4	248.5	232.8	226.3	223.7
70°	396.3	388.5	358.4	325.7	295.6	269.4	248.5	228.9	214.5	209.3	205.4
72.5°	363.6	354.5	327.0	293.0	268.1	243.3	225.0	208.0	193.6	188.4	185.7
75°	330.9	321.8	291.7	264.2	240.7	219.7	202.7	187.0	175.3	170.0	167.4
77.5°	295.6	286.5	261.6	236.7	215.8	197.5	181.8	168.7	157.0	153.0	150.4
80°	262.9	253.8	232.8	209.3	191.0	175.3	162.2	149.1	140.0	136.0	134.7
82.5°	231.5	223.7	204.0	184.4	167.4	153.0	142.6	132.1	124.3	120.3	119.0
85°	200.1	193.6	176.6	159.6	145.2	133.4	121.6	113.8	107.3	104.6	102.0
87.5°	171.3	164.8	150.4	136.0	124.3	113.8	103.3	96.8	91.6	90.3	86.3
90°	145.2	140.0	128.2	116.4	105.9	96.8	88.9	83.7	78.5	77.2	75.9
92.5°	124.3	119.0	109.9	100.7	92.9	83.7	78.5	73.2	70.6	69.3	68.0
95°	104.6	102.0	94.2	86.3	81.1	74.6	69.3	65.4	62.8	62.8	61.5
97.5°	88.9	86.3	79.8	75.9	70.6	65.4	61.5	58.9	57.6	57.6	54.9
100°	74.6	73.2	68.0	64.1	61.5	57.6	53.6	52.3	51.0	51.0	49.7
102.5°	65.4	64.1	60.2	56.2	53.6	51.0	48.4	47.1	45.8	45.8	44.5
105°	60.2	58.9	54.9	52.3	49.7	47.1	44.5	43.2	41.9	41.9	40.5
107.5°	57.6	56.2	53.6	51.0	47.1	44.5	43.2	41.9	37.9	39.2	39.2
110°	57.6	56.2	53.6	51.0	47.1	44.5	43.2	40.5	35.3	37.9	36.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	60.2	58.9	56.2	52.3	48.4	45.8	43.2	40.5	34.0	36.6	36.6
115°	65.4	62.8	60.2	56.2	52.3	48.4	45.8	41.9	34.0	35.3	35.3
117.5°	71.9	69.3	66.7	61.5	56.2	52.3	48.4	43.2	35.3	35.3	35.3
120°	82.4	78.5	74.6	68.0	61.5	57.6	52.3	45.8	36.6	36.6	36.6
122.5°	94.2	90.3	85.0	75.9	68.0	62.8	56.2	49.7	37.9	37.9	37.9
125°	108.6	104.6	98.1	86.3	75.9	70.6	61.5	52.3	40.5	39.2	39.2
127.5°	126.9	120.3	111.2	96.8	85.0	78.5	66.7	54.9	41.9	39.2	40.5
130°	143.9	136.0	124.3	108.6	95.5	85.0	73.2	58.9	44.5	39.2	41.9
132.5°	158.3	150.4	137.3	120.3	104.6	92.9	78.5	61.5	45.8	40.5	41.9
135°	171.3	163.5	147.8	129.5	112.5	98.1	82.4	64.1	47.1	41.9	43.2
137.5°	180.5	172.7	154.3	136.0	117.7	100.7	83.7	65.4	47.1	41.9	41.9
140°	181.8	175.3	155.7	137.3	117.7	100.7	82.4	65.4	47.1	41.9	41.9
142.5°	177.9	170.0	151.7	133.4	115.1	96.8	79.8	61.5	44.5	39.2	39.2
145°	167.4	160.9	142.6	125.6	107.3	90.3	73.2	56.2	40.5	35.3	35.3
147.5°	149.1	143.9	126.9	113.8	95.5	79.8	64.1	49.7	35.3	30.1	30.1
150°	128.2	124.3	108.6	96.8	82.4	66.7	53.6	41.9	28.8	24.9	23.5
152.5°	104.6	100.7	87.6	78.5	65.4	53.6	43.2	32.7	23.5	19.6	18.3
155°	78.5	77.2	65.4	60.2	49.7	40.5	32.7	24.9	17.0	14.4	13.1
157.5°	57.6	54.9	47.1	43.2	36.6	30.1	23.5	18.3	11.8	9.2	7.8
160°	37.9	37.9	31.4	28.8	24.9	19.6	15.7	11.8	7.8	5.2	3.9
162.5°	22.2	22.2	18.3	17.0	15.7	11.8	9.2	7.8	5.2	2.6	2.6
165°	10.5	10.5	7.8	7.8	6.5	6.5	5.2	3.9	2.6	2.6	1.3
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)