

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: P691254

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3603 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



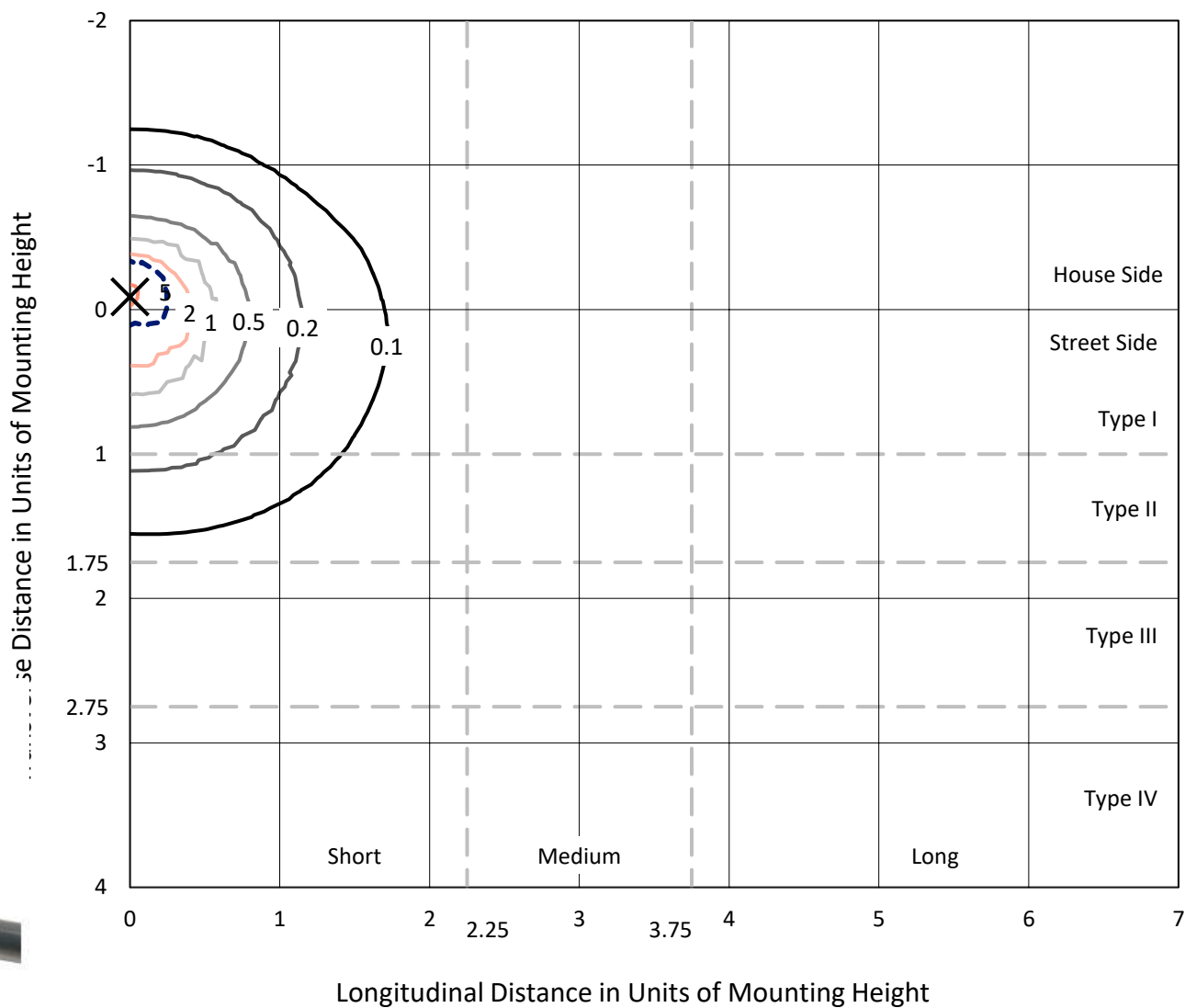
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



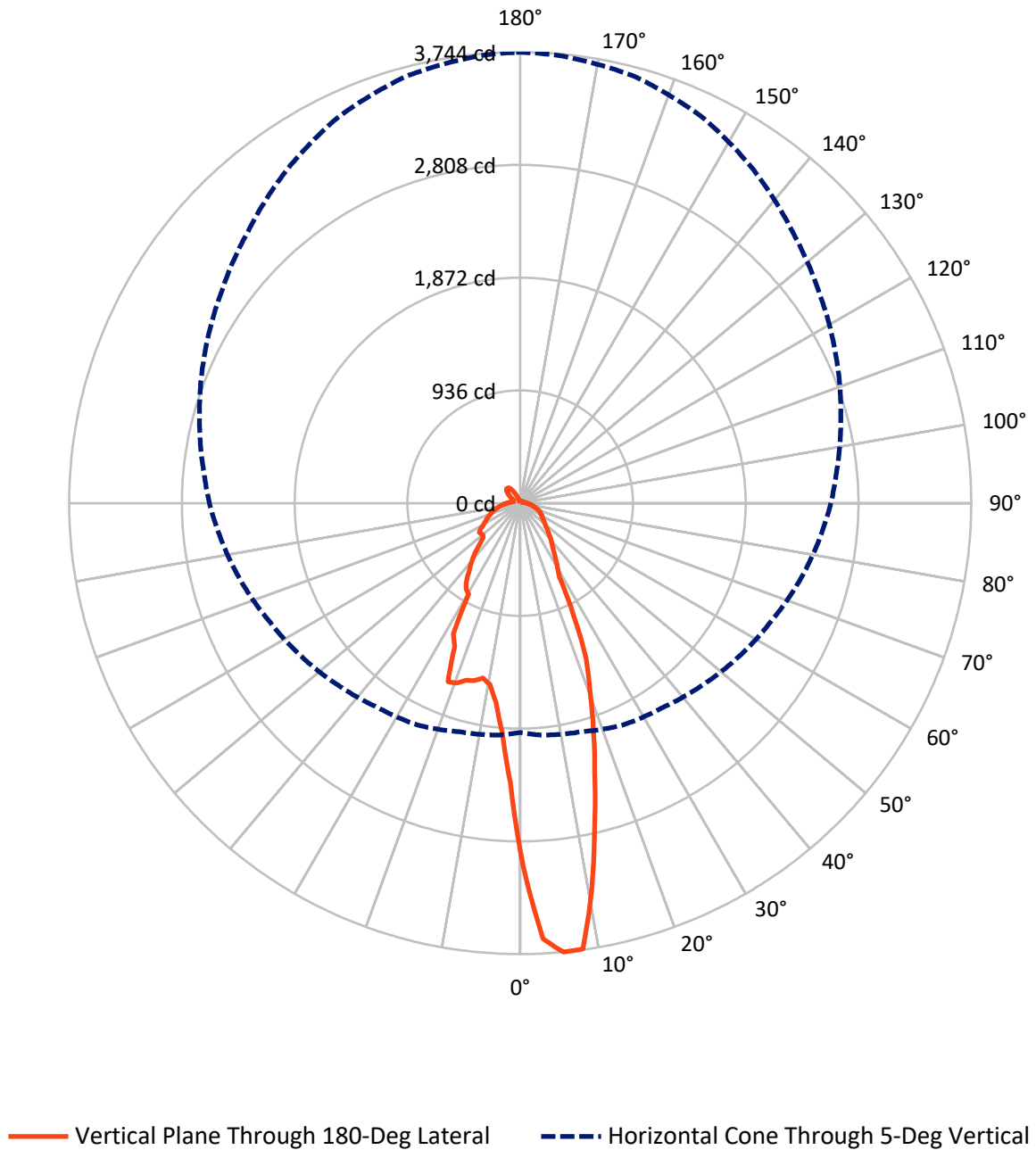
Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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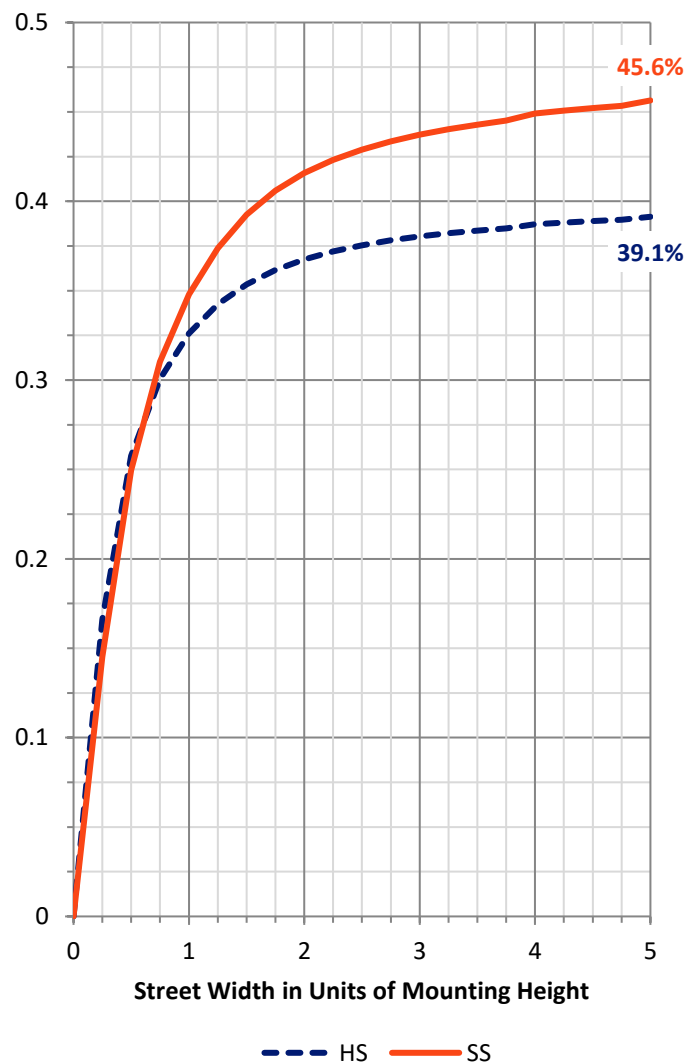
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.1	155.3	1603.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1689.9	309.7	1999.6
	% Fixture	46.9	8.6	55.5
Total	Lumens	3138.0	465.0	3603.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	6.7
10°-20°	519.4	14.4
20°-30°	571.9	15.9
30°-40°	420.3	11.7
40°-50°	352.1	9.8
50°-60°	353.3	9.8
60°-70°	302.6	8.4
70°-80°	225.4	6.3
80°-90°	150.8	4.2
90°-100°	89.6	2.5
100°-110°	52.0	1.4
110°-120°	48.4	1.3
120°-130°	70.2	1.9
130°-140°	94.4	2.6
140°-150°	76.5	2.1
150°-160°	30.2	0.8
160°-170°	3.7	0.1
170°-180°	0.0	0.0
0°-90°	3138.0	87.1
0°-180°	3603.0	100.0

Coefficient of Utilization



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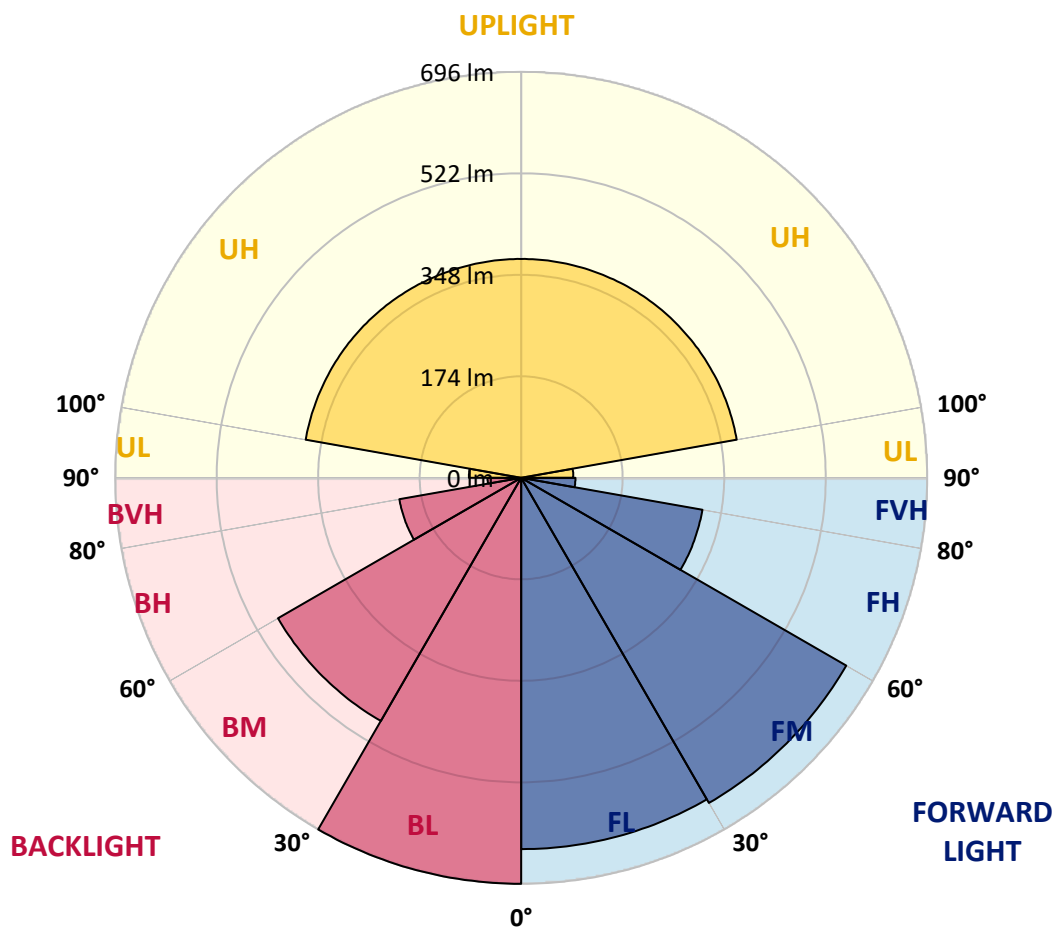
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	637.0	17.7			
FM	(30°-60°)	644.0	17.9			
FH	(60°-80°)	315.8	8.8			G0/660
FVH	(80°-90°)	93.1	2.6			G1/100
BL	(0°-30°)	696.5	19.3	B2/1000		
BM	(30°-60°)	481.7	13.4	B1/1000		
BH	(60°-80°)	212.2	5.9	B1/500		G1/500
BVH	(80°-90°)	57.7	1.6			G1/100
UL	(90°-100°)	89.6	2.5		U3/500	
UH	(100°-180°)	375.4	10.4		U3/500	

BUG Rating: B2-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1
2.5°	2323.6	2357.9	2375.1	2426.6	2443.7	2476.7	2526.7	2576.8	2661.2	2724.2	2772.8
5°	1904.4	1933.0	1964.4	2030.3	2068.9	2137.6	2217.7	2303.5	2412.3	2522.4	2579.7
7.5°	1659.7	1666.8	1712.6	1792.8	1862.9	1935.8	2023.1	2097.5	2171.9	2262.0	2319.3
10°	1525.2	1535.2	1565.3	1626.8	1686.9	1747.0	1815.6	1872.9	1948.7	2024.5	2058.9
12.5°	1485.1	1489.4	1515.2	1551.0	1589.6	1628.2	1681.2	1732.7	1799.9	1865.7	1888.6
15°	1520.9	1520.9	1525.2	1539.5	1559.5	1589.6	1629.6	1674.0	1735.5	1784.2	1808.5
17.5°	1538.1	1539.5	1551.0	1553.8	1572.4	1585.3	1621.1	1655.4	1714.1	1754.1	1767.0
20°	1583.9	1583.9	1585.3	1592.4	1595.3	1602.5	1618.2	1636.8	1685.4	1706.9	1704.0
22.5°	1598.2	1592.4	1615.3	1656.8	1655.4	1656.8	1642.5	1646.8	1674.0	1665.4	1645.4
25°	1312.0	1304.9	1330.6	1356.4	1393.6	1440.8	1558.1	1649.7	1684.0	1656.8	1612.5
27.5°	1220.4	1189.0	1181.8	1120.3	1064.5	972.9	964.3	907.1	901.4	937.2	970.1
30°	867.0	868.5	867.0	861.3	857.0	861.3	865.6	855.6	858.5	881.4	871.3
32.5°	845.6	845.6	839.9	837.0	824.1	819.8	812.7	794.1	796.9	814.1	809.8
35°	788.4	785.5	786.9	779.8	756.9	738.3	735.4	719.7	719.7	729.7	725.4
37.5°	702.5	698.2	715.4	714.0	695.4	688.2	681.0	671.0	671.0	679.6	671.0
40°	635.3	632.4	651.0	656.7	645.3	648.1	649.6	641.0	649.6	651.0	639.6
42.5°	563.7	562.3	578.0	576.6	566.6	565.2	563.7	558.0	572.3	583.8	575.2
45°	479.3	475.0	486.5	490.8	487.9	483.6	482.2	482.2	490.8	496.5	487.9
47.5°	423.5	424.9	433.5	443.5	446.4	449.3	447.8	445.0	450.7	452.1	445.0
50°	404.9	406.3	419.2	430.7	439.2	445.0	445.0	440.7	445.0	440.7	430.7
52.5°	413.5	413.5	430.7	447.8	462.1	472.2	473.6	467.9	467.9	456.4	440.7
55°	416.4	419.2	442.1	470.7	496.5	523.7	536.5	532.2	536.5	512.2	486.5
57.5°	389.2	396.3	419.2	453.6	487.9	530.8	558.0	560.9	559.4	538.0	506.5
60°	353.4	359.1	374.9	404.9	437.8	472.2	499.3	505.1	510.8	500.8	472.2
62.5°	329.1	331.9	344.8	366.3	389.2	407.8	417.8	416.4	422.1	419.2	397.8
65°	307.6	309.0	323.4	340.5	354.8	373.4	376.3	376.3	380.6	374.9	357.7
67.5°	284.7	284.7	296.2	311.9	329.1	344.8	349.1	350.5	356.3	350.5	337.7
70°	264.7	264.7	274.7	287.6	300.5	316.2	320.5	321.9	329.1	321.9	309.0
72.5°	246.1	246.1	254.7	266.1	277.6	290.4	294.7	296.2	301.9	294.7	284.7
75°	226.1	227.5	234.6	244.7	254.7	266.1	271.8	271.8	276.1	267.6	259.0
77.5°	206.0	207.5	214.6	223.2	231.8	243.2	246.1	247.5	251.8	243.2	234.6
80°	186.0	188.9	194.6	201.7	210.3	218.9	224.6	224.6	227.5	218.9	213.2
82.5°	167.4	170.3	174.6	180.3	188.9	197.4	203.2	203.2	204.6	197.4	190.3
85°	148.8	151.7	156.0	160.2	167.4	176.0	181.7	181.7	183.1	176.0	170.3
87.5°	131.6	134.5	137.4	141.6	147.4	156.0	161.7	161.7	161.7	156.0	150.2
90°	114.5	115.9	118.8	123.0	128.8	135.9	140.2	141.6	141.6	134.5	131.6
92.5°	101.6	101.6	104.4	107.3	113.0	118.8	123.0	124.5	124.5	120.2	115.9
95°	87.3	88.7	90.1	93.0	97.3	101.6	107.3	107.3	107.3	104.4	101.6
97.5°	77.3	75.8	77.3	78.7	83.0	85.8	90.1	91.6	91.6	88.7	87.3
100°	65.8	67.2	67.2	68.7	70.1	71.5	74.4	75.8	75.8	74.4	74.4
102.5°	61.5	60.1	60.1	60.1	60.1	60.1	61.5	61.5	63.0	61.5	60.1
105°	57.2	57.2	57.2	57.2	55.8	55.8	55.8	55.8	54.4	52.9	52.9
107.5°	55.8	55.8	55.8	55.8	54.4	54.4	52.9	52.9	51.5	50.1	48.6
110°	55.8	55.8	55.8	55.8	54.4	52.9	52.9	51.5	50.1	48.6	47.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	58.7	58.7	58.7	58.7	55.8	54.4	52.9	52.9	50.1	48.6	47.2
115°	64.4	64.4	63.0	63.0	61.5	58.7	57.2	55.8	54.4	51.5	50.1
117.5°	70.1	70.1	70.1	70.1	68.7	65.8	63.0	61.5	60.1	55.8	54.4
120°	80.1	80.1	80.1	81.6	78.7	75.8	73.0	70.1	68.7	64.4	61.5
122.5°	93.0	91.6	94.4	95.9	94.4	90.1	85.8	83.0	80.1	74.4	71.5
125°	105.9	105.9	108.7	113.0	113.0	108.7	103.0	98.7	95.9	87.3	83.0
127.5°	121.6	121.6	125.9	133.1	134.5	130.2	124.5	118.8	114.5	103.0	98.7
130°	135.9	135.9	144.5	153.1	157.4	153.1	147.4	140.2	134.5	121.6	114.5
132.5°	147.4	148.8	158.8	170.3	176.0	174.6	167.4	161.7	156.0	140.2	131.6
135°	158.8	160.2	171.7	186.0	193.2	193.2	187.4	180.3	173.1	156.0	145.9
137.5°	164.5	166.0	180.3	194.6	203.2	206.0	203.2	196.0	188.9	170.3	157.4
140°	164.5	167.4	181.7	196.0	204.6	208.9	208.9	201.7	194.6	177.4	164.5
142.5°	160.2	163.1	176.0	190.3	198.9	204.6	206.0	200.3	193.2	176.0	163.1
145°	151.7	153.1	166.0	178.8	187.4	194.6	197.4	193.2	184.6	170.3	157.4
147.5°	137.4	137.4	148.8	158.8	170.3	177.4	181.7	178.8	171.7	158.8	147.4
150°	117.3	117.3	125.9	135.9	145.9	154.5	158.8	158.8	151.7	141.6	130.2
152.5°	93.0	94.4	100.2	108.7	118.8	125.9	131.6	131.6	127.3	118.8	108.7
155°	71.5	71.5	75.8	81.6	90.1	97.3	101.6	101.6	98.7	91.6	85.8
157.5°	51.5	51.5	54.4	60.1	65.8	71.5	75.8	75.8	73.0	68.7	64.4
160°	34.3	34.3	35.8	40.1	44.4	48.6	51.5	52.9	51.5	48.6	44.4
162.5°	18.6	18.6	20.0	22.9	25.8	30.0	31.5	32.9	32.9	30.0	28.6
165°	5.7	5.7	5.7	8.6	10.0	12.9	14.3	15.7	15.7	15.7	14.3
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3	4.3	4.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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°	179°	180°
0°	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1	3016.1
2.5°	2818.6	2924.5	3041.8	3162.0	3285.0	3400.9	3498.2	3575.5	3617.0	3627.0	3621.3
5°	2631.2	2755.7	2893.0	3033.2	3193.5	3378.0	3546.9	3668.5	3731.4	3741.5	3744.3
7.5°	2363.6	2472.4	2606.9	2768.5	2970.3	3167.7	3428.1	3609.8	3711.4	3738.6	3738.6
10°	2081.8	2177.6	2262.0	2403.7	2579.7	2764.2	2986.0	3153.4	3256.4	3289.3	3260.7
12.5°	1923.0	1964.4	2021.7	2126.1	2236.3	2376.5	2568.2	2677.0	2744.2	2764.2	2747.1
15°	1821.4	1842.8	1867.2	1911.5	1988.8	2076.0	2189.1	2256.3	2297.8	2322.1	2313.6
17.5°	1772.7	1772.7	1768.4	1778.4	1798.5	1838.5	1915.8	1940.1	1958.7	1968.7	1963.0
20°	1698.3	1675.4	1656.8	1628.2	1616.8	1615.3	1633.9	1659.7	1658.3	1659.7	1648.2
22.5°	1623.9	1576.7	1530.9	1488.0	1439.4	1415.0	1397.9	1406.4	1399.3	1406.4	1399.3
25°	1588.2	1492.3	1400.7	1296.3	1209.0	1141.8	1097.4	1070.2	1024.4	1041.6	1025.9
27.5°	985.8	945.7	907.1	829.8	756.9	731.1	709.7	698.2	689.6	693.9	691.1
30°	854.2	821.3	791.2	751.2	695.4	661.0	635.3	612.4	605.2	606.6	605.2
32.5°	792.6	766.9	729.7	688.2	638.1	595.2	565.2	543.7	532.2	539.4	533.7
35°	709.7	683.9	652.4	613.8	570.9	532.2	503.6	483.6	470.7	473.6	472.2
37.5°	655.3	631.0	603.8	562.3	525.1	487.9	459.3	439.2	426.4	429.2	426.4
40°	623.8	596.6	568.0	530.8	493.6	455.0	427.8	404.9	392.0	392.0	392.0
42.5°	559.4	538.0	513.6	475.0	442.1	409.2	382.0	364.8	350.5	352.0	349.1
45°	477.9	462.1	443.5	417.8	390.6	364.8	342.0	329.1	317.6	319.1	317.6
47.5°	436.4	422.1	400.6	380.6	356.3	333.4	313.3	297.6	289.0	290.4	287.6
50°	420.6	403.5	379.2	352.0	329.1	306.2	286.2	274.7	266.1	267.6	266.1
52.5°	426.4	399.2	364.8	331.9	304.8	281.9	266.1	253.2	247.5	249.0	246.1
55°	463.6	416.4	364.8	323.4	289.0	263.3	247.5	233.2	227.5	227.5	227.5
57.5°	476.4	424.9	360.6	313.3	276.1	250.4	231.8	217.5	211.8	211.8	211.8
60°	446.4	402.0	343.4	299.0	264.7	240.4	224.6	214.6	210.3	210.3	210.3
62.5°	382.0	353.4	309.0	273.3	247.5	226.1	210.3	197.4	193.2	191.7	191.7
65°	346.2	319.1	281.9	251.8	228.9	211.8	197.4	187.4	181.7	181.7	181.7
67.5°	323.4	297.6	263.3	234.6	213.2	194.6	181.7	171.7	168.8	167.4	167.4
70°	297.6	273.3	238.9	213.2	193.2	177.4	164.5	156.0	153.1	153.1	151.7
72.5°	271.8	249.0	216.0	191.7	173.1	158.8	147.4	140.2	137.4	135.9	135.9
75°	247.5	224.6	194.6	171.7	154.5	141.6	131.6	124.5	121.6	121.6	121.6
77.5°	224.6	203.2	174.6	153.1	138.8	125.9	117.3	111.6	108.7	108.7	108.7
80°	203.2	181.7	156.0	135.9	121.6	111.6	104.4	98.7	95.9	97.3	95.9
82.5°	180.3	163.1	138.8	120.2	108.7	98.7	91.6	87.3	84.4	85.8	84.4
85°	161.7	144.5	121.6	105.9	94.4	85.8	80.1	75.8	73.0	74.4	73.0
87.5°	143.1	127.3	107.3	93.0	83.0	75.8	68.7	65.8	64.4	64.4	63.0
90°	123.0	108.7	91.6	80.1	70.1	64.4	58.7	55.8	54.4	52.9	52.9
92.5°	108.7	97.3	81.6	71.5	63.0	58.7	52.9	50.1	48.6	48.6	48.6
95°	95.9	85.8	73.0	64.4	58.7	52.9	48.6	47.2	45.8	45.8	44.4
97.5°	83.0	74.4	65.8	58.7	52.9	48.6	44.4	42.9	41.5	41.5	41.5
100°	70.1	64.4	57.2	51.5	47.2	44.4	40.1	38.6	37.2	37.2	37.2
102.5°	58.7	54.4	48.6	44.4	41.5	38.6	35.8	34.3	32.9	32.9	32.9
105°	51.5	47.2	44.4	40.1	37.2	34.3	32.9	30.0	28.6	28.6	28.6
107.5°	47.2	44.4	41.5	38.6	35.8	32.9	30.0	27.2	25.8	25.8	25.8
110°	45.8	42.9	40.1	37.2	34.3	31.5	30.0	25.8	24.3	24.3	24.3

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	45.8	44.4	41.5	38.6	35.8	32.9	30.0	24.3	22.9	22.9	22.9
115°	48.6	45.8	42.9	40.1	37.2	34.3	31.5	24.3	22.9	22.9	22.9
117.5°	52.9	50.1	45.8	42.9	40.1	35.8	31.5	25.8	22.9	22.9	22.9
120°	60.1	55.8	51.5	47.2	42.9	38.6	32.9	25.8	21.5	22.9	22.9
122.5°	68.7	64.4	57.2	51.5	47.2	41.5	34.3	27.2	21.5	22.9	22.9
125°	80.1	74.4	65.8	58.7	51.5	44.4	35.8	27.2	21.5	22.9	24.3
127.5°	93.0	84.4	74.4	64.4	55.8	47.2	38.6	28.6	21.5	24.3	24.3
130°	107.3	97.3	84.4	71.5	61.5	50.1	40.1	28.6	22.9	22.9	22.9
132.5°	123.0	108.7	91.6	77.3	64.4	51.5	40.1	28.6	22.9	22.9	22.9
135°	134.5	117.3	98.7	81.6	67.2	52.9	41.5	28.6	21.5	21.5	21.5
137.5°	144.5	124.5	104.4	84.4	68.7	52.9	40.1	27.2	21.5	20.0	20.0
140°	150.2	127.3	104.4	84.4	67.2	51.5	37.2	25.8	18.6	18.6	18.6
142.5°	150.2	125.9	103.0	81.6	63.0	48.6	35.8	22.9	17.2	17.2	17.2
145°	144.5	120.2	97.3	77.3	58.7	44.4	31.5	21.5	15.7	15.7	15.7
147.5°	134.5	110.2	88.7	70.1	51.5	38.6	27.2	17.2	12.9	12.9	12.9
150°	120.2	97.3	77.3	60.1	44.4	31.5	22.9	14.3	10.0	10.0	10.0
152.5°	100.2	81.6	63.0	50.1	35.8	25.8	17.2	11.4	8.6	8.6	8.6
155°	78.7	64.4	50.1	38.6	27.2	18.6	12.9	8.6	5.7	5.7	5.7
157.5°	60.1	48.6	37.2	28.6	20.0	14.3	10.0	5.7	4.3	4.3	4.3
160°	41.5	32.9	25.8	20.0	12.9	10.0	7.2	4.3	2.9	2.9	2.9
162.5°	27.2	21.5	15.7	11.4	8.6	5.7	4.3	2.9	1.4	1.4	1.4
165°	12.9	10.0	8.6	5.7	4.3	2.9	1.4	1.4	0.0	0.0	0.0
167.5°	4.3	2.9	2.9	1.4	1.4	1.4	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)