

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: P691297

Luminaire Tested: **CRTK2-C015-D-U-T2-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7040-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3292 lumens
Efficiency: N/A
Efficacy: 110.1 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): 29.9
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



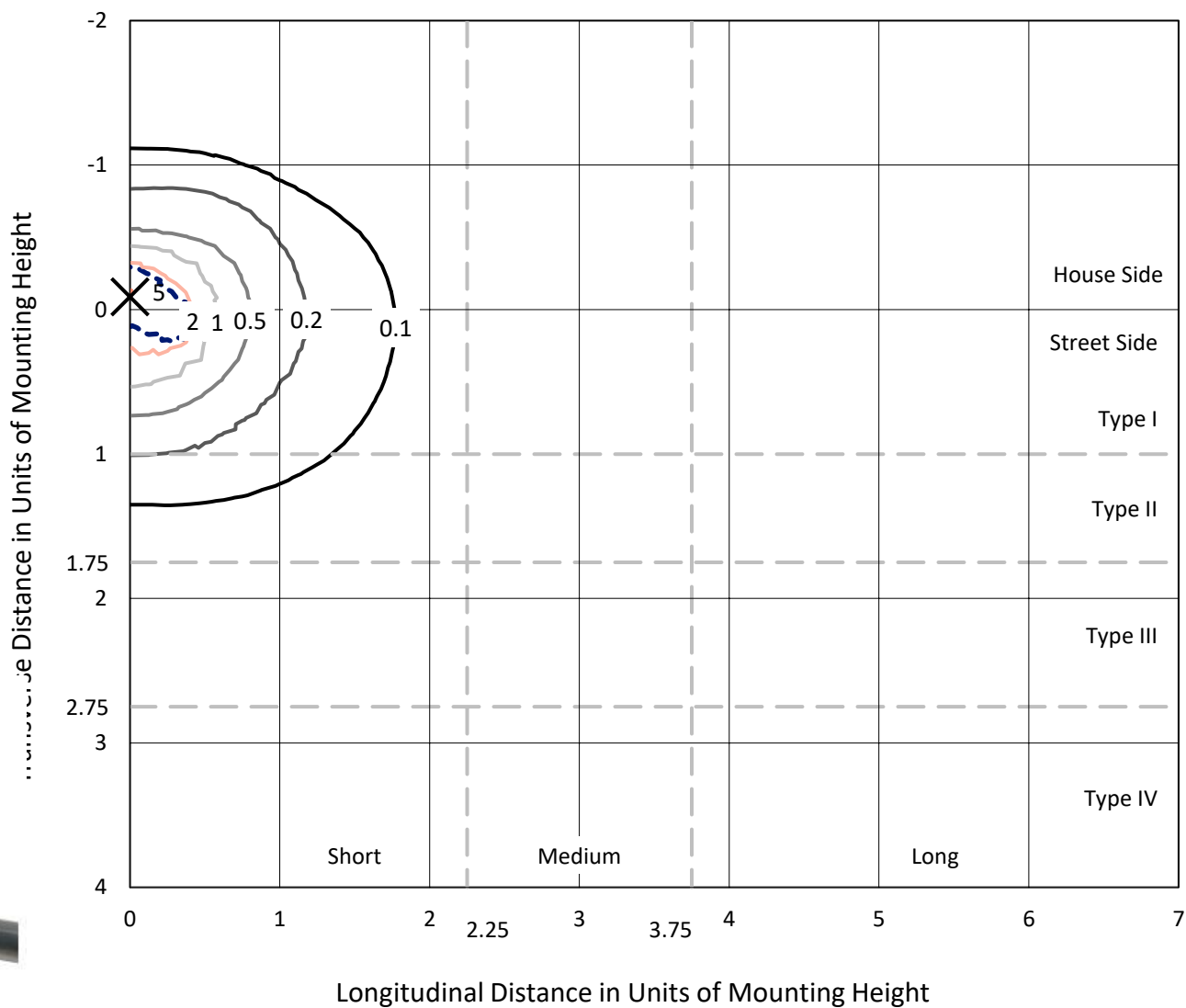
REPORT NUMBER: P691297

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

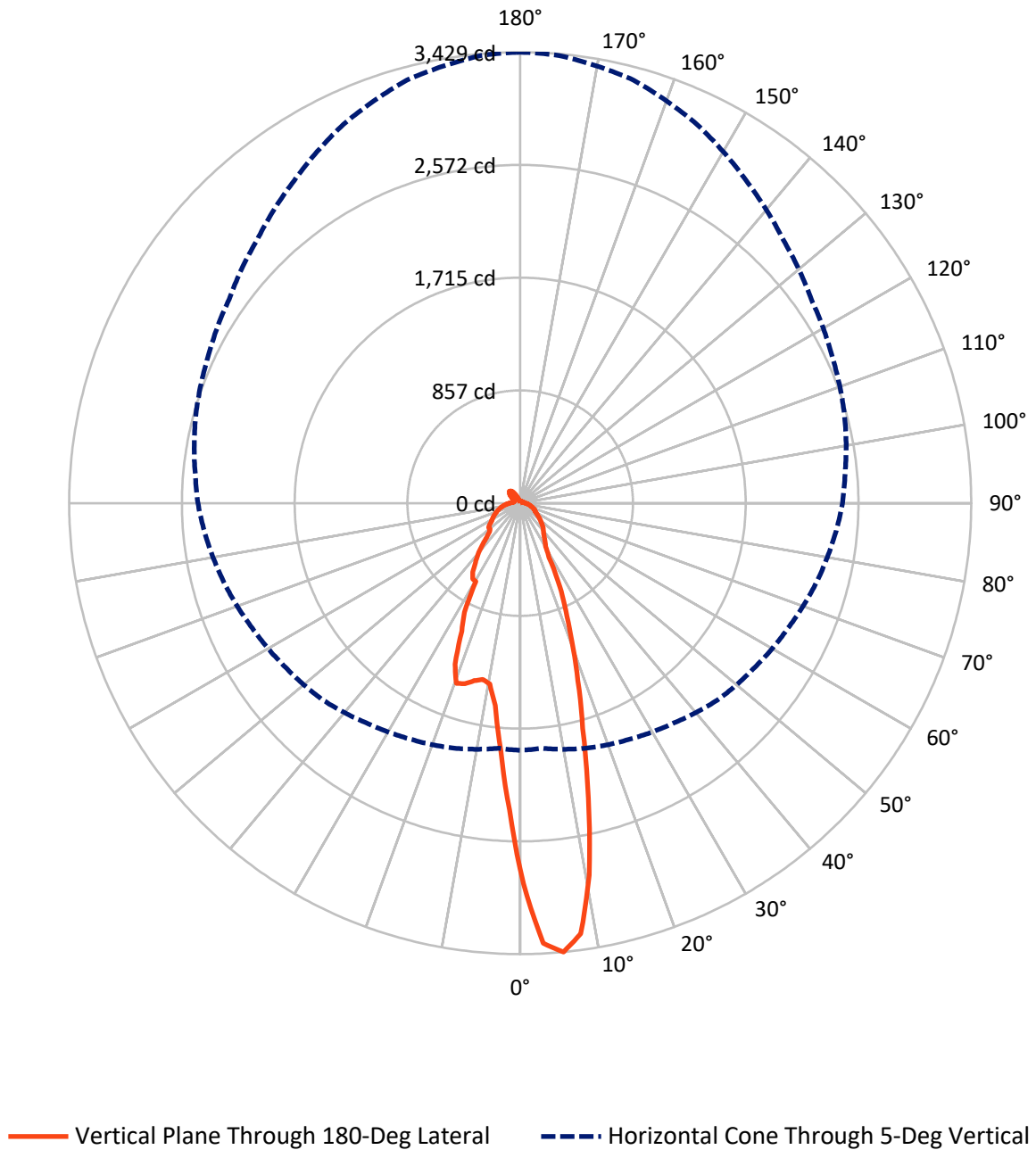


Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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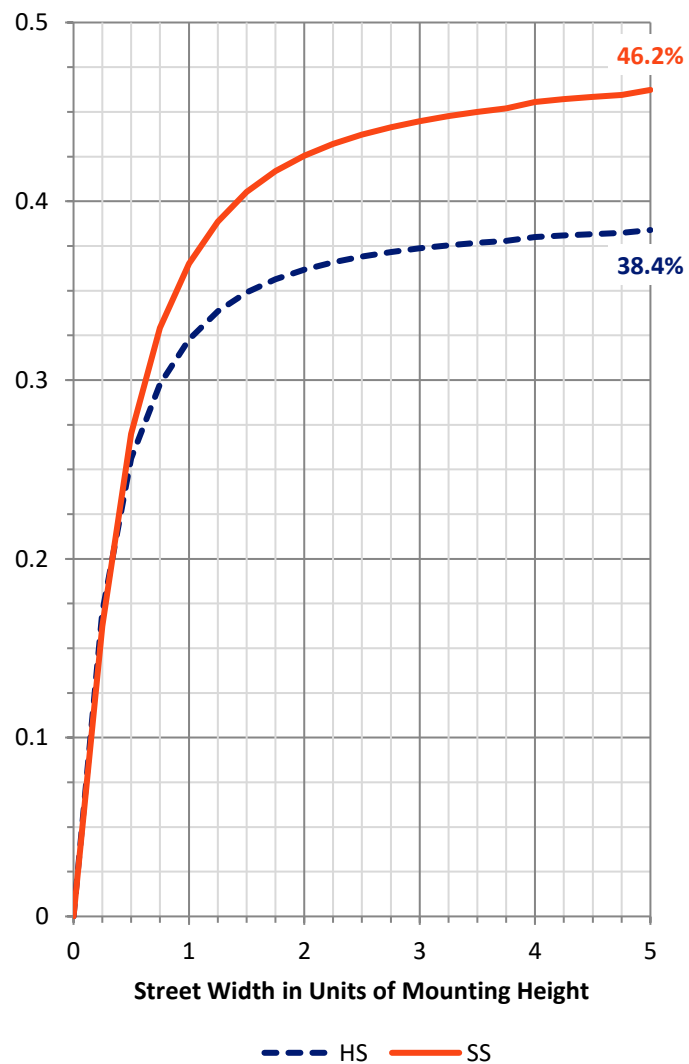
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.3	152.3	1449.7
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1559.2	283.1	1842.3
	% Fixture	47.4	8.6	56.0
Total	Lumens	2856.5	435.5	3292.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	6.8
10°-20°	475.3	14.4
20°-30°	517.3	15.7
30°-40°	378.7	11.5
40°-50°	318.4	9.7
50°-60°	323.3	9.8
60°-70°	274.8	8.3
70°-80°	205.1	6.2
80°-90°	139.6	4.2
90°-100°	83.8	2.5
100°-110°	48.1	1.5
110°-120°	44.2	1.3
120°-130°	64.3	2.0
130°-140°	88.4	2.7
140°-150°	73.2	2.2
150°-160°	29.8	0.9
160°-170°	3.7	0.1
170°-180°	0.0	0.0
0°-90°	2856.5	86.8
0°-180°	3292.0	100.0

Coefficient of Utilization



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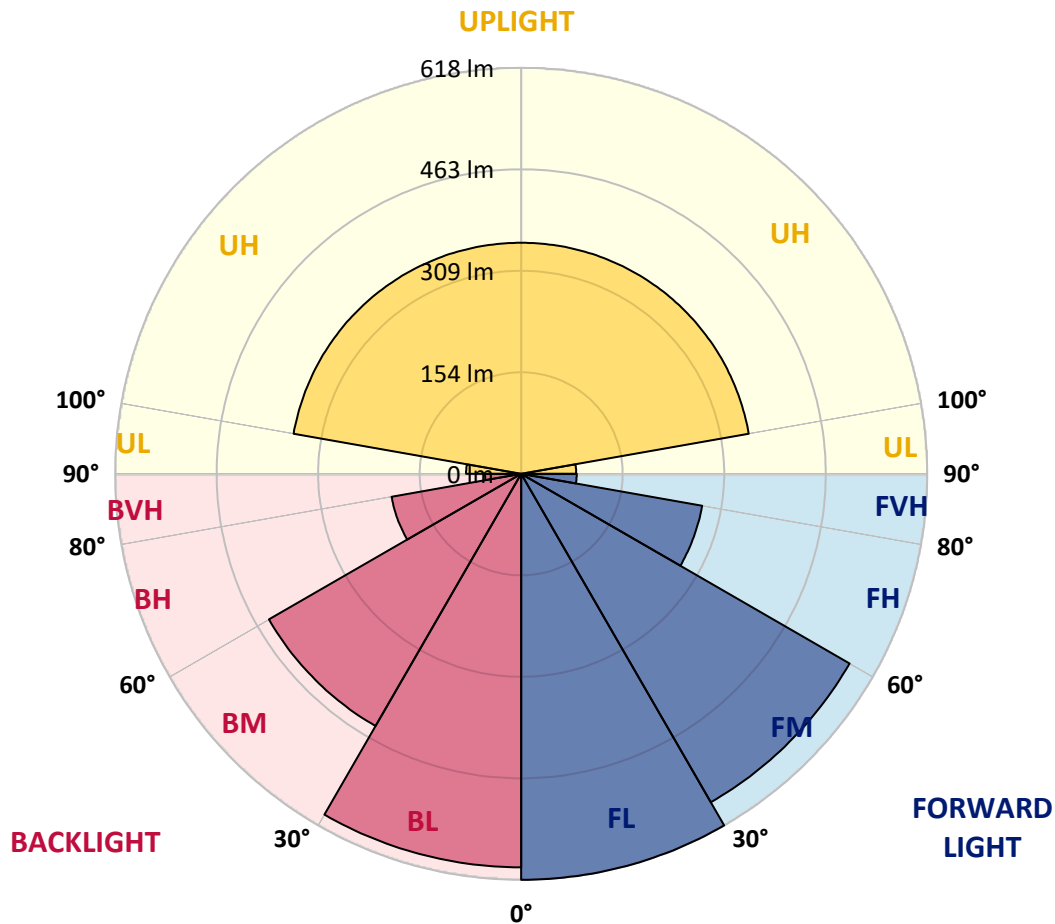
CATALOG NUMBER: CRTK2-C015-D-U-T2-7040-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	617.9	18.8			
FM	(30°-60°)	577.1	17.5			
FH	(60°-80°)	279.7	8.5			G0/660
FVH	(80°-90°)	84.5	2.6			G1/100
BL	(0°-30°)	598.8	18.2	B2/1000		
BM	(30°-60°)	443.2	13.5	B1/1000		
BH	(60°-80°)	200.3	6.1	B1/500		G1/500
BVH	(80°-90°)	55.1	1.7			G1/100
UL	(90°-100°)	83.8	2.5		U3/500	
UH	(100°-180°)	351.6	10.7		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°	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9
2.5°	2333.9	2329.5	2361.7	2369.1	2372.0	2405.7	2451.2	2482.0	2537.7	2591.9	2613.9
5°	1879.4	1870.6	1929.3	1979.1	2039.2	2118.4	2177.0	2247.4	2331.0	2411.6	2449.7
7.5°	1549.6	1561.3	1644.9	1747.5	1844.2	1938.1	2009.9	2070.0	2118.4	2169.7	2180.0
10°	1394.2	1404.4	1486.5	1584.8	1674.2	1769.5	1831.0	1882.4	1913.1	1951.3	1964.5
12.5°	1369.3	1376.6	1432.3	1501.2	1568.6	1655.1	1732.8	1790.0	1825.2	1856.0	1858.9
15°	1394.2	1397.1	1430.8	1476.3	1534.9	1606.7	1696.2	1760.7	1800.3	1813.5	1810.5
17.5°	1435.2	1435.2	1451.4	1489.5	1545.2	1614.1	1699.1	1765.1	1806.1	1812.0	1800.3
20°	1452.8	1455.7	1466.0	1508.5	1558.4	1621.4	1706.4	1762.1	1794.4	1778.3	1757.7
22.5°	1320.9	1315.0	1342.9	1432.3	1543.7	1656.6	1737.2	1800.3	1817.9	1763.6	1719.6
25°	1068.7	1071.7	1089.2	1133.2	1219.7	1323.8	1502.7	1694.7	1828.1	1807.6	1741.6
27.5°	932.4	923.6	928.0	935.3	923.6	901.6	922.1	917.7	914.8	967.6	973.4
30°	684.6	686.1	693.4	706.6	734.5	775.5	819.5	844.4	866.4	907.5	901.6
32.5°	680.2	681.7	686.1	697.8	712.5	740.3	768.2	778.5	801.9	835.6	825.4
35°	636.2	631.9	643.6	653.8	658.2	670.0	692.0	706.6	721.3	744.7	738.9
37.5°	564.4	565.9	589.3	605.5	609.9	626.0	646.5	658.2	674.4	694.9	684.6
40°	502.8	504.3	532.2	549.8	560.0	582.0	612.8	627.5	653.8	670.0	658.2
42.5°	432.5	438.3	457.4	477.9	483.8	497.0	517.5	536.6	570.3	592.3	584.9
45°	360.6	363.6	376.8	397.3	406.1	420.7	439.8	457.4	483.8	501.4	499.9
47.5°	318.1	321.1	332.8	350.4	368.0	387.0	407.6	425.1	450.1	464.7	458.9
50°	300.5	303.5	318.1	338.6	360.6	385.6	410.5	429.5	453.0	461.8	454.5
52.5°	303.5	303.5	324.0	350.4	381.2	414.9	445.7	469.1	488.2	494.0	477.9
55°	287.3	291.7	313.7	350.4	397.3	450.1	502.8	552.7	580.5	574.7	543.9
57.5°	262.4	266.8	282.9	322.5	372.4	435.4	510.2	571.7	605.5	609.9	579.1
60°	247.8	250.7	265.3	296.1	340.1	391.4	458.9	508.7	546.8	558.6	536.6
62.5°	234.6	237.5	249.2	272.7	304.9	344.5	382.6	414.9	445.7	457.4	448.6
65°	219.9	221.4	233.1	253.6	280.0	313.7	346.0	369.4	394.4	401.7	391.4
67.5°	205.2	206.7	217.0	236.0	261.0	291.7	316.7	343.0	368.0	373.8	366.5
70°	192.0	193.5	202.3	219.9	241.9	271.2	294.7	312.3	337.2	343.0	334.3
72.5°	178.9	180.3	189.1	205.2	225.8	252.2	272.7	290.3	310.8	312.3	304.9
75°	165.7	167.1	174.5	189.1	206.7	233.1	252.2	266.8	284.4	284.4	275.6
77.5°	151.0	153.9	159.8	173.0	189.1	214.0	231.6	246.3	261.0	259.5	250.7
80°	137.8	139.3	145.1	156.9	171.5	195.0	212.6	224.3	237.5	236.0	228.7
82.5°	123.1	124.6	129.0	140.7	153.9	175.9	193.5	205.2	217.0	214.0	206.7
85°	108.5	110.0	115.8	124.6	137.8	158.3	174.5	186.2	195.0	192.0	186.2
87.5°	96.8	96.8	101.2	110.0	121.7	140.7	155.4	167.1	174.5	173.0	167.1
90°	83.6	85.0	88.0	95.3	105.6	121.7	136.3	146.6	153.9	151.0	145.1
92.5°	73.3	73.3	76.2	83.6	92.4	107.0	120.2	129.0	134.9	133.4	129.0
95°	63.0	64.5	66.0	71.8	79.2	90.9	102.6	111.4	117.3	115.8	112.9
97.5°	55.7	57.2	58.6	61.6	68.9	76.2	86.5	93.8	99.7	98.2	95.3
100°	51.3	51.3	51.3	54.2	58.6	64.5	71.8	77.7	80.6	82.1	79.2
102.5°	46.9	46.9	48.4	48.4	51.3	54.2	58.6	63.0	64.5	64.5	64.5
105°	45.4	45.4	46.9	46.9	48.4	49.8	52.8	54.2	55.7	55.7	54.2
107.5°	45.4	45.4	45.4	45.4	46.9	48.4	49.8	51.3	51.3	51.3	49.8
110°	46.9	46.9	46.9	46.9	46.9	48.4	48.4	49.8	49.8	48.4	48.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.4	48.4	48.4	48.4	48.4	49.8	49.8	49.8	49.8	48.4	48.4
115°	51.3	51.3	51.3	52.8	52.8	52.8	52.8	52.8	52.8	51.3	49.8
117.5°	57.2	57.2	57.2	57.2	58.6	58.6	58.6	58.6	58.6	55.7	55.7
120°	64.5	63.0	64.5	66.0	67.4	67.4	67.4	67.4	67.4	64.5	63.0
122.5°	71.8	71.8	73.3	76.2	79.2	80.6	79.2	79.2	79.2	74.8	73.3
125°	80.6	80.6	85.0	90.9	95.3	96.8	95.3	95.3	95.3	90.9	88.0
127.5°	90.9	90.9	96.8	105.6	112.9	117.3	115.8	115.8	115.8	108.5	104.1
130°	101.2	101.2	110.0	121.7	133.4	136.3	137.8	139.3	139.3	130.5	124.6
132.5°	108.5	110.0	120.2	136.3	151.0	155.4	159.8	161.3	161.3	151.0	142.2
135°	115.8	117.3	130.5	149.5	165.7	175.9	180.3	181.8	183.3	171.5	161.3
137.5°	120.2	121.7	136.3	158.3	174.5	187.6	197.9	200.8	200.8	187.6	174.5
140°	120.2	121.7	137.8	158.3	175.9	192.0	203.8	209.6	209.6	196.4	184.7
142.5°	117.3	120.2	134.9	155.4	173.0	189.1	202.3	208.2	208.2	196.4	184.7
145°	111.4	112.9	127.5	145.1	162.7	181.8	196.4	202.3	202.3	190.6	178.9
147.5°	101.2	102.6	114.3	130.5	148.1	167.1	181.8	189.1	187.6	177.4	167.1
150°	88.0	88.0	98.2	111.4	129.0	146.6	161.3	168.6	168.6	158.3	149.5
152.5°	71.8	71.8	79.2	89.4	104.1	121.7	133.4	140.7	140.7	133.4	126.1
155°	55.7	55.7	61.6	68.9	80.6	93.8	102.6	110.0	110.0	104.1	98.2
157.5°	39.6	39.6	45.4	51.3	60.1	70.4	77.7	82.1	83.6	77.7	74.8
160°	26.4	26.4	29.3	33.7	41.0	48.4	52.8	57.2	58.6	54.2	52.8
162.5°	14.7	14.7	16.1	20.5	24.9	29.3	33.7	36.7	36.7	35.2	33.7
165°	4.4	4.4	5.9	7.3	10.3	13.2	14.7	16.1	17.6	17.6	16.1
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	2.9	2.9	4.4	4.4	4.4
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°	179°	180°
0°	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9
2.5°	2659.3	2741.4	2830.9	2917.4	3022.9	3132.9	3234.0	3302.9	3339.6	3351.3	3351.3
5°	2479.0	2553.8	2619.8	2701.9	2829.4	2995.1	3178.3	3330.8	3417.3	3427.5	3429.0
7.5°	2197.6	2259.1	2328.0	2401.3	2514.2	2662.3	2904.2	3150.5	3291.2	3317.6	3307.3
10°	1967.4	2005.5	2046.6	2074.4	2153.6	2263.5	2427.7	2669.6	2842.6	2863.1	2877.8
12.5°	1860.4	1866.2	1854.5	1860.4	1886.8	1938.1	2018.7	2158.0	2270.9	2289.9	2300.2
15°	1806.1	1776.8	1729.9	1685.9	1662.5	1666.9	1684.4	1741.6	1760.7	1792.9	1778.3
17.5°	1781.2	1715.2	1641.9	1556.9	1504.1	1449.9	1420.6	1410.3	1403.0	1404.4	1417.6
20°	1718.2	1643.4	1526.1	1414.7	1329.7	1254.9	1191.9	1146.4	1121.5	1109.8	1118.6
22.5°	1652.2	1536.4	1398.6	1278.4	1156.7	1061.4	989.6	923.6	886.9	897.2	885.5
25°	1653.7	1480.7	1316.5	1158.1	1043.8	917.7	803.4	734.5	674.4	686.1	702.2
27.5°	1042.3	996.9	879.6	787.2	672.9	609.9	552.7	504.3	470.6	472.1	467.7
30°	884.0	837.1	778.5	705.2	618.7	545.4	479.4	423.7	391.4	382.6	381.2
32.5°	816.6	777.0	722.7	650.9	571.7	498.4	432.5	381.2	348.9	347.4	347.4
35°	727.1	690.5	645.0	583.5	516.0	448.6	387.0	343.0	316.7	316.7	315.2
37.5°	671.4	639.2	595.2	538.0	477.9	410.5	356.2	316.7	288.8	287.3	288.8
40°	642.1	608.4	565.9	511.6	451.5	387.0	335.7	294.7	274.1	272.7	271.2
42.5°	583.5	557.1	520.4	470.6	417.8	360.6	312.3	275.6	258.0	256.6	258.0
45°	495.5	476.5	451.5	414.9	370.9	322.5	280.0	252.2	234.6	234.6	234.6
47.5°	454.5	436.9	409.0	372.4	334.3	288.8	253.6	230.2	214.0	214.0	214.0
50°	444.2	422.2	385.6	344.5	303.5	263.9	231.6	208.2	196.4	195.0	196.4
52.5°	458.9	425.1	375.3	326.9	281.5	243.4	212.6	190.6	178.9	178.9	178.9
55°	511.6	450.1	384.1	322.5	268.3	225.8	195.0	173.0	161.3	159.8	161.3
57.5°	546.8	469.1	387.0	318.1	259.5	214.0	180.3	156.9	145.1	143.7	145.1
60°	516.0	453.0	373.8	306.4	252.2	205.2	170.1	146.6	134.9	133.4	133.4
62.5°	428.1	391.4	334.3	277.1	233.1	192.0	159.8	137.8	126.1	124.6	126.1
65°	379.7	347.4	297.6	252.2	214.0	178.9	151.0	131.9	120.2	120.2	120.2
67.5°	353.3	324.0	277.1	233.1	197.9	165.7	139.3	121.7	111.4	111.4	111.4
70°	322.5	293.2	250.7	211.1	178.9	151.0	127.5	110.0	101.2	99.7	101.2
72.5°	296.1	266.8	227.2	190.6	161.3	136.3	115.8	99.7	92.4	90.9	92.4
75°	266.8	239.0	200.8	168.6	143.7	121.7	104.1	89.4	83.6	82.1	82.1
77.5°	241.9	215.5	180.3	151.0	129.0	108.5	92.4	82.1	76.2	74.8	74.8
80°	219.9	195.0	161.3	134.9	114.3	96.8	83.6	73.3	67.4	67.4	67.4
82.5°	196.4	174.5	143.7	118.7	101.2	86.5	73.3	64.5	60.1	60.1	60.1
85°	177.4	155.4	126.1	105.6	88.0	74.8	64.5	57.2	52.8	52.8	52.8
87.5°	156.9	137.8	111.4	92.4	77.7	66.0	55.7	48.4	46.9	45.4	45.4
90°	136.3	118.7	95.3	79.2	66.0	55.7	46.9	41.0	39.6	38.1	38.1
92.5°	121.7	105.6	86.5	71.8	60.1	49.8	44.0	38.1	36.7	36.7	35.2
95°	105.6	92.4	76.2	64.5	54.2	46.9	41.0	36.7	35.2	35.2	33.7
97.5°	90.9	79.2	67.4	58.6	49.8	44.0	38.1	35.2	32.3	32.3	32.3
100°	76.2	67.4	58.6	49.8	45.4	39.6	35.2	32.3	30.8	29.3	29.3
102.5°	61.6	55.7	48.4	44.0	38.1	33.7	30.8	27.9	26.4	26.4	26.4
105°	52.8	48.4	44.0	39.6	35.2	30.8	27.9	24.9	23.5	23.5	23.5
107.5°	48.4	45.4	41.0	36.7	33.7	29.3	26.4	22.0	20.5	22.0	22.0
110°	46.9	44.0	39.6	36.7	32.3	29.3	26.4	20.5	19.1	20.5	20.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	46.9	44.0	41.0	36.7	33.7	29.3	26.4	20.5	19.1	19.1	19.1
115°	48.4	46.9	42.5	39.6	35.2	30.8	26.4	20.5	19.1	19.1	19.1
117.5°	54.2	51.3	46.9	42.5	38.1	32.3	27.9	20.5	19.1	19.1	19.1
120°	60.1	57.2	52.8	46.9	41.0	35.2	29.3	20.5	17.6	19.1	19.1
122.5°	70.4	66.0	60.1	52.8	45.4	38.1	29.3	22.0	16.1	19.1	19.1
125°	83.6	77.7	68.9	58.6	49.8	41.0	30.8	22.0	17.6	19.1	19.1
127.5°	98.2	90.9	79.2	66.0	54.2	42.5	32.3	22.0	17.6	17.6	19.1
130°	117.3	105.6	89.4	73.3	58.6	45.4	32.3	22.0	17.6	17.6	17.6
132.5°	133.4	118.7	98.2	79.2	61.6	46.9	32.3	22.0	16.1	16.1	16.1
135°	149.5	130.5	105.6	83.6	64.5	46.9	32.3	20.5	16.1	16.1	16.1
137.5°	162.7	137.8	111.4	85.0	64.5	45.4	30.8	19.1	14.7	14.7	14.7
140°	170.1	142.2	112.9	85.0	61.6	44.0	27.9	17.6	13.2	13.2	13.2
142.5°	170.1	140.7	111.4	82.1	58.6	41.0	24.9	14.7	11.7	11.7	11.7
145°	164.2	134.9	105.6	77.7	54.2	36.7	22.0	13.2	8.8	8.8	10.3
147.5°	153.9	124.6	96.8	70.4	48.4	30.8	19.1	10.3	7.3	7.3	7.3
150°	136.3	110.0	83.6	61.6	41.0	26.4	16.1	8.8	5.9	5.9	5.9
152.5°	114.3	90.9	70.4	51.3	33.7	20.5	11.7	7.3	4.4	4.4	4.4
155°	90.9	71.8	55.7	39.6	24.9	16.1	8.8	5.9	4.4	4.4	4.4
157.5°	67.4	54.2	41.0	29.3	19.1	11.7	7.3	4.4	2.9	2.9	2.9
160°	46.9	38.1	27.9	19.1	11.7	7.3	4.4	2.9	1.5	1.5	1.5
162.5°	30.8	23.5	17.6	11.7	7.3	4.4	2.9	1.5	1.5	1.5	1.5
165°	14.7	11.7	8.8	5.9	2.9	2.9	1.5	1.5	0.0	0.0	0.0
167.5°	4.4	2.9	1.5	1.5	1.5	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)