

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: P691360

Luminaire Tested: **CRTK2-C015-D-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3896 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - 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



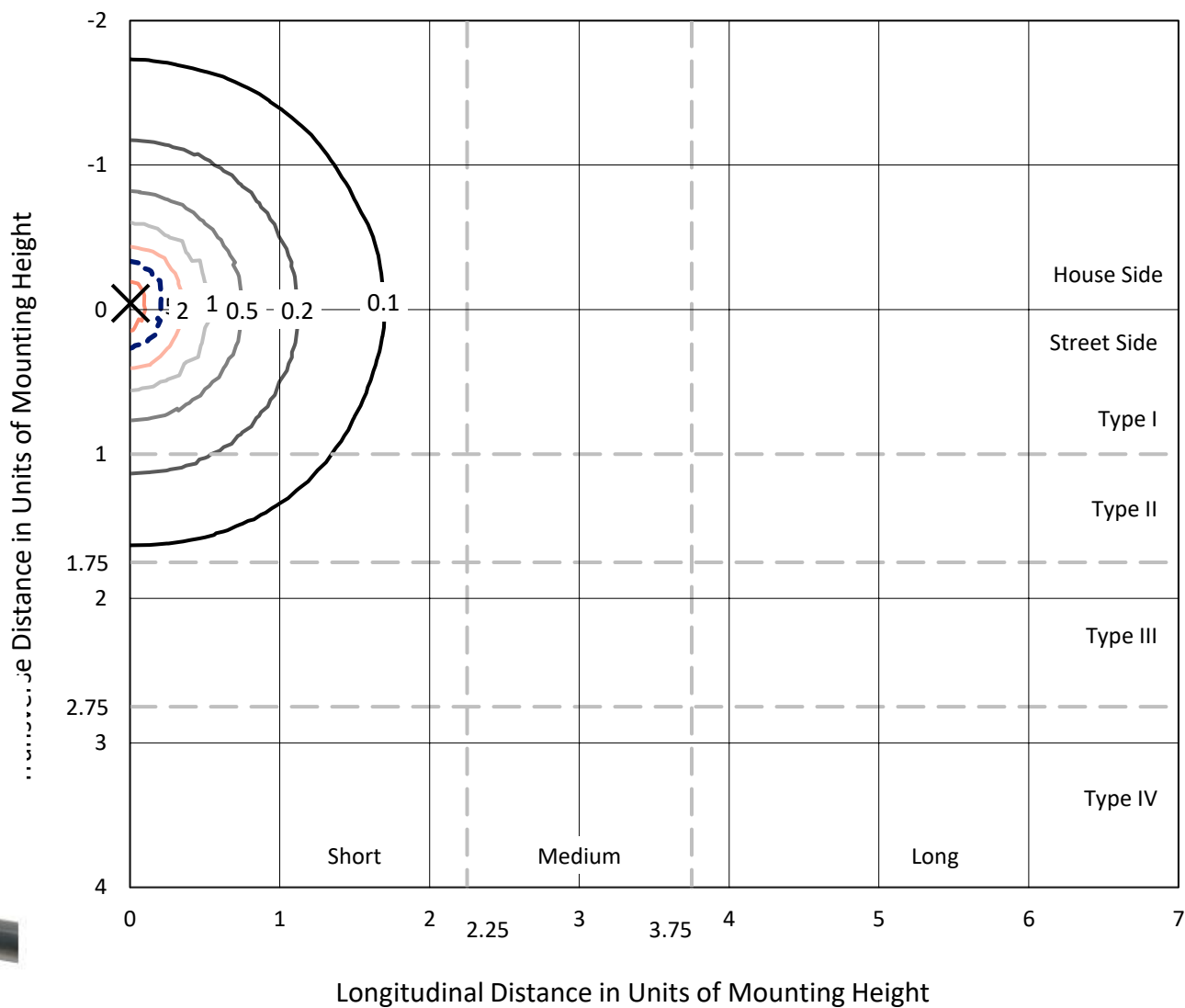
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

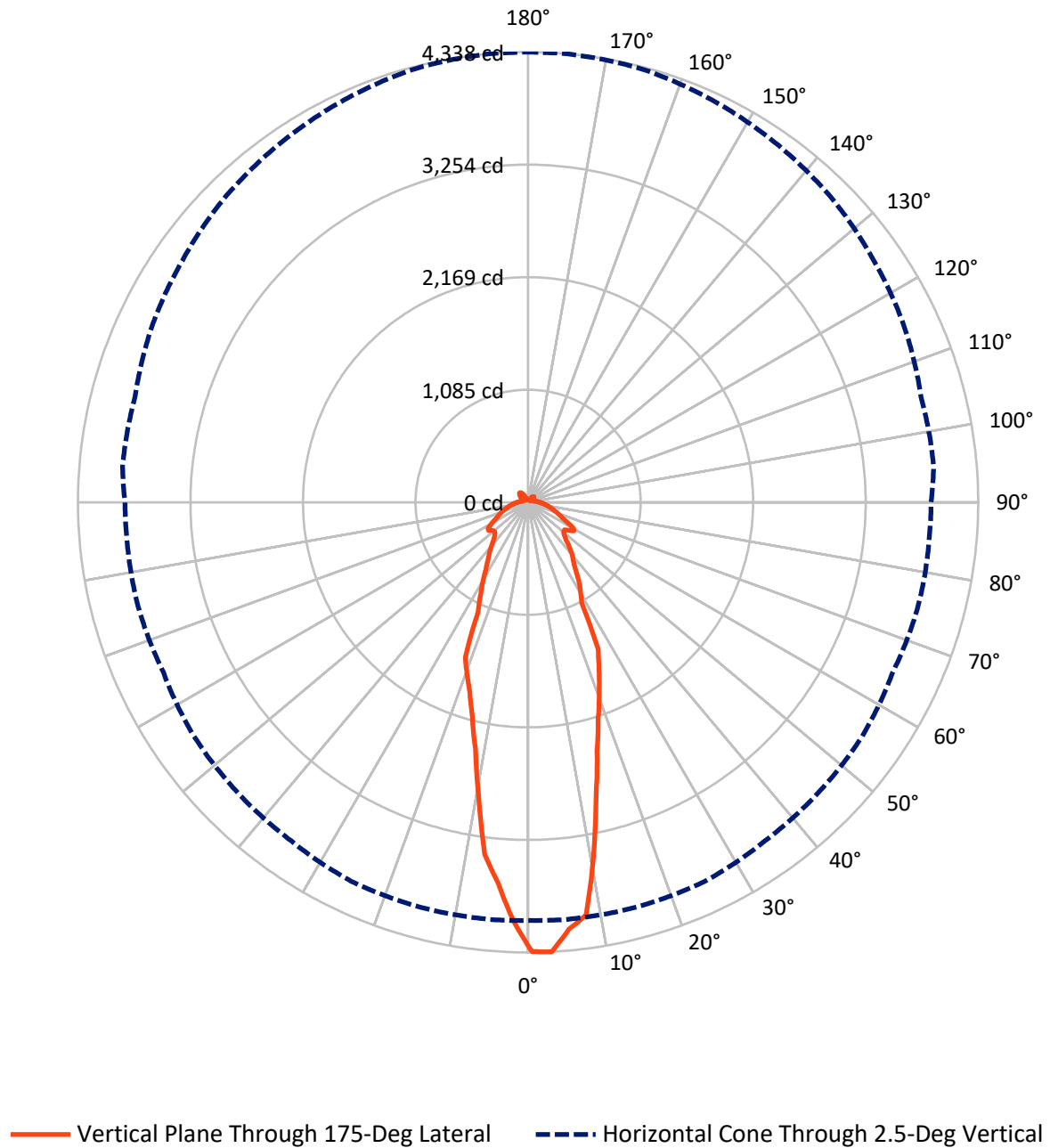


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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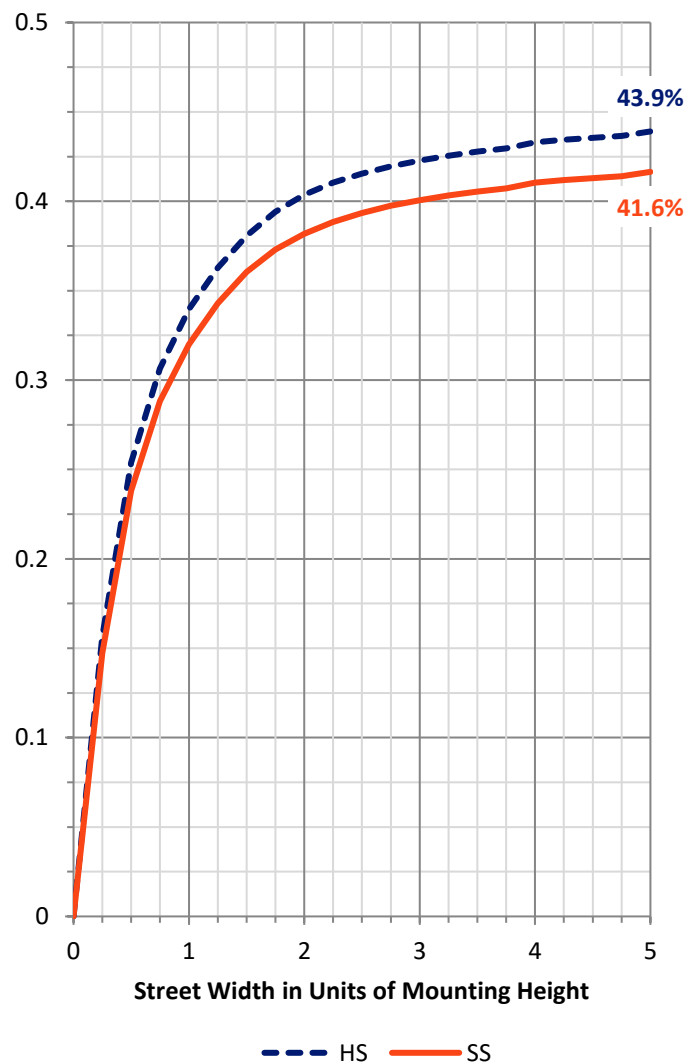
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1763.3	232.9	1996.2
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1660.7	239.1	1899.8
	% Fixture	42.6	6.1	48.8
Total	Lumens	3424.0	472.0	3896.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.3	8.3
10°-20°	565.7	14.5
20°-30°	561.0	14.4
30°-40°	432.5	11.1
40°-50°	370.8	9.5
50°-60°	414.7	10.6
60°-70°	355.3	9.1
70°-80°	244.5	6.3
80°-90°	157.4	4.0
90°-100°	94.3	2.4
100°-110°	56.1	1.4
110°-120°	51.9	1.3
120°-130°	74.1	1.9
130°-140°	95.8	2.5
140°-150°	70.9	1.8
150°-160°	25.9	0.7
160°-170°	3.0	0.1
170°-180°	0.0	0.0
0°-90°	3424.0	87.9
0°-180°	3896.0	100.0

Coefficient of Utilization



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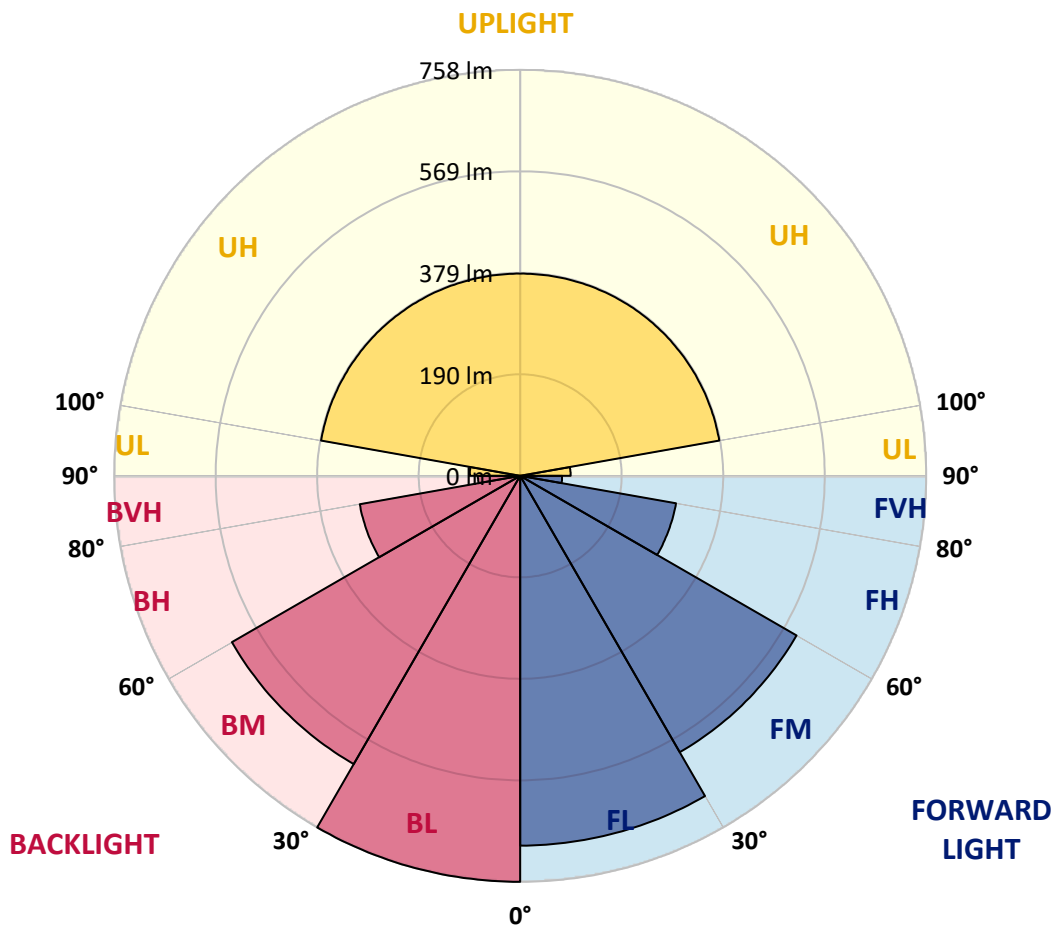
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.7	17.7			
FM	(30°-60°)	596.1	15.3			
FH	(60°-80°)	295.5	7.6			G0/660
FVH	(80°-90°)	78.4	2.0			G1/100
BL	(0°-30°)	758.4	19.5	B2/1000		
BM	(30°-60°)	621.8	16.0	B1/1000		
BH	(60°-80°)	304.2	7.8	B1/500		G0/660
BVH	(80°-90°)	78.9	2.0			G1/100
UL	(90°-100°)	94.3	2.4		U3/500	
UH	(100°-180°)	377.7	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6
2.5°	4030.6	4036.5	4038.0	4030.6	3982.3	3957.3	3931.0	3878.2	3889.9	3882.6	3884.1
5°	3655.4	3678.9	3642.2	3632.0	3558.7	3504.4	3451.7	3394.5	3381.3	3357.9	3366.7
7.5°	3406.2	3419.4	3359.3	3297.8	3180.5	3097.0	3009.0	2921.1	2855.1	2830.2	2840.5
10°	2836.1	2880.1	2820.0	2756.9	2645.6	2545.9	2453.6	2367.1	2307.0	2287.9	2290.9
12.5°	2411.0	2436.0	2384.7	2342.2	2217.6	2122.3	2037.3	1956.7	1908.3	1887.8	1887.8
15°	2129.6	2139.9	2100.3	2018.2	1924.4	1838.0	1766.1	1707.5	1667.9	1660.6	1663.5
17.5°	1917.1	1917.1	1877.5	1813.0	1741.2	1665.0	1615.2	1571.2	1553.6	1559.5	1561.0
20°	1757.4	1758.8	1723.6	1660.6	1599.1	1530.2	1489.1	1458.4	1448.1	1458.4	1459.8
22.5°	1606.4	1613.7	1575.6	1528.7	1461.3	1407.1	1373.3	1339.6	1333.8	1338.2	1338.2
25°	1162.3	1162.3	1149.1	1112.5	1127.1	1133.0	1172.5	1257.6	1240.0	1256.1	1254.6
27.5°	1002.5	1008.4	982.0	949.8	916.1	876.5	869.1	861.8	854.5	888.2	899.9
30°	885.3	888.2	866.2	844.2	816.4	794.4	788.5	788.5	781.2	807.6	806.1
32.5°	773.9	769.5	763.6	743.1	725.5	706.5	710.9	707.9	707.9	731.4	732.8
35°	685.9	684.5	680.1	665.4	647.8	633.2	637.6	640.5	639.0	653.7	653.7
37.5°	621.4	622.9	620.0	614.1	596.5	584.8	587.7	584.8	589.2	599.5	599.5
40°	558.4	558.4	559.9	558.4	546.7	542.3	551.1	546.7	557.0	564.3	561.4
42.5°	498.3	499.8	502.7	499.8	492.5	488.1	492.5	493.9	508.6	518.9	517.4
45°	460.2	460.2	461.7	460.2	454.4	450.0	450.0	445.6	455.8	461.7	460.2
47.5°	435.3	435.3	438.2	436.8	433.8	429.4	426.5	420.7	425.0	429.4	425.0
50°	426.5	426.5	432.4	432.4	430.9	426.5	422.1	414.8	416.3	419.2	413.3
52.5°	439.7	439.7	450.0	454.4	454.4	447.0	441.2	430.9	430.9	433.8	425.0
55°	467.6	467.6	483.7	492.5	493.9	493.9	486.6	476.3	477.8	483.7	474.9
57.5°	457.3	458.8	471.9	483.7	491.0	495.4	495.4	489.5	493.9	508.6	504.2
60°	408.9	411.9	420.7	430.9	444.1	448.5	448.5	447.0	454.4	471.9	471.9
62.5°	363.5	365.0	369.4	378.1	385.5	388.4	388.4	382.5	391.3	400.1	397.2
65°	328.3	326.8	335.6	343.0	347.4	351.8	347.4	341.5	345.9	351.8	350.3
67.5°	299.0	299.0	306.3	312.2	315.1	319.5	316.6	313.7	319.5	322.5	319.5
70°	271.2	272.6	278.5	282.9	285.8	290.2	285.8	284.3	290.2	293.1	291.7
72.5°	243.3	244.8	249.2	255.0	258.0	259.4	258.0	256.5	260.9	263.8	263.8
75°	218.4	219.9	222.8	228.6	228.6	231.6	230.1	228.6	233.0	236.0	236.0
77.5°	194.9	197.9	199.3	203.7	205.2	206.7	205.2	205.2	208.1	211.1	212.5
80°	174.4	175.9	177.3	181.7	181.7	183.2	181.7	181.7	184.7	189.1	189.1
82.5°	155.4	156.8	158.3	161.2	159.8	161.2	161.2	161.2	164.2	168.6	168.6
85°	136.3	139.2	139.2	142.2	142.2	142.2	142.2	143.6	145.1	149.5	149.5
87.5°	120.2	121.7	123.1	124.6	124.6	126.0	126.0	127.5	129.0	131.9	133.4
90°	104.1	105.5	107.0	107.0	107.0	108.5	108.5	109.9	111.4	114.3	115.8
92.5°	92.3	93.8	93.8	95.3	95.3	95.3	96.7	98.2	99.7	102.6	102.6
95°	82.1	83.5	83.5	83.5	83.5	85.0	85.0	86.5	87.9	90.9	90.9
97.5°	73.3	73.3	73.3	73.3	73.3	74.7	74.7	76.2	77.7	79.1	79.1
100°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	66.0	66.0	68.9	68.9
102.5°	57.2	57.2	55.7	55.7	55.7	54.2	54.2	55.7	55.7	57.2	57.2
105°	51.3	51.3	51.3	51.3	49.8	49.8	49.8	49.8	49.8	51.3	51.3
107.5°	49.8	49.8	48.4	48.4	48.4	46.9	46.9	46.9	46.9	48.4	48.4
110°	48.4	48.4	48.4	48.4	46.9	46.9	45.4	45.4	45.4	46.9	46.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	49.8	49.8	49.8	48.4	48.4	46.9	46.9	46.9	46.9	46.9	48.4
115°	52.8	51.3	51.3	51.3	51.3	49.8	48.4	48.4	49.8	49.8	49.8
117.5°	57.2	55.7	55.7	57.2	55.7	54.2	52.8	52.8	54.2	54.2	55.7
120°	63.0	61.6	63.0	63.0	63.0	61.6	60.1	58.6	60.1	61.6	61.6
122.5°	70.4	68.9	70.4	71.8	71.8	70.4	67.4	67.4	68.9	70.4	71.8
125°	79.1	79.1	80.6	82.1	83.5	80.6	79.1	77.7	80.6	82.1	82.1
127.5°	89.4	87.9	90.9	95.3	96.7	93.8	90.9	89.4	92.3	95.3	95.3
130°	99.7	98.2	102.6	107.0	109.9	107.0	104.1	102.6	105.5	108.5	108.5
132.5°	108.5	107.0	112.9	118.7	121.7	120.2	117.3	114.3	118.7	121.7	120.2
135°	115.8	115.8	123.1	129.0	131.9	130.4	127.5	124.6	130.4	133.4	130.4
137.5°	120.2	120.2	129.0	134.8	137.8	137.8	136.3	133.4	139.2	140.7	136.3
140°	120.2	121.7	129.0	134.8	136.3	137.8	137.8	136.3	142.2	142.2	137.8
142.5°	115.8	117.3	124.6	130.4	131.9	133.4	134.8	133.4	137.8	137.8	134.8
145°	108.5	109.9	117.3	123.1	123.1	124.6	127.5	126.0	129.0	130.4	127.5
147.5°	98.2	99.7	105.5	108.5	109.9	112.9	115.8	115.8	117.3	118.7	117.3
150°	85.0	85.0	89.4	92.3	93.8	96.7	99.7	101.1	101.1	102.6	101.1
152.5°	67.4	67.4	70.4	73.3	74.7	79.1	80.6	82.1	83.5	85.0	83.5
155°	51.3	51.3	52.8	54.2	55.7	60.1	61.6	63.0	64.5	66.0	64.5
157.5°	36.6	36.6	38.1	39.6	41.0	44.0	45.4	46.9	46.9	48.4	48.4
160°	23.5	24.9	24.9	26.4	26.4	29.3	30.8	30.8	32.2	33.7	33.7
162.5°	11.7	13.2	13.2	14.7	16.1	17.6	19.1	19.1	20.5	20.5	20.5
165°	2.9	4.4	4.4	5.9	5.9	7.3	8.8	8.8	10.3	10.3	10.3
167.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	1.5	1.5	1.5
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°	178°	180°
0°	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6	4329.6
2.5°	3923.6	3920.7	4001.3	4065.8	4142.0	4202.1	4260.7	4316.4	4338.4	4337.0	4338.4
5°	3406.2	3457.5	3563.1	3667.1	3790.3	3906.0	4014.5	4086.3	4131.8	4131.8	4136.2
7.5°	2887.4	2969.5	3099.9	3265.5	3450.2	3601.2	3784.4	3913.4	4016.0	4013.0	4032.1
10°	2331.9	2396.4	2526.8	2704.2	2907.9	3082.3	3242.1	3362.3	3461.9	3456.1	3481.0
12.5°	1915.6	1961.1	2073.9	2235.2	2421.3	2589.9	2746.7	2840.5	2910.8	2909.4	2922.6
15°	1670.9	1717.8	1791.1	1902.5	2056.4	2205.9	2362.7	2447.7	2487.3	2482.9	2504.9
17.5°	1571.2	1590.3	1635.7	1710.5	1821.8	1943.5	2068.1	2141.4	2186.8	2180.9	2197.1
20°	1464.2	1481.8	1512.6	1568.3	1647.4	1739.8	1845.3	1925.9	1959.6	1958.2	1968.4
22.5°	1341.1	1349.9	1383.6	1427.6	1484.7	1559.5	1640.1	1713.4	1747.1	1745.6	1755.9
25°	1256.1	1270.7	1291.3	1317.6	1357.2	1415.8	1483.3	1534.6	1565.3	1562.4	1575.6
27.5°	917.5	932.2	942.4	958.6	960.0	1008.4	1031.8	1074.3	1102.2	1100.7	1109.5
30°	806.1	809.1	817.9	839.8	853.0	891.1	938.0	970.3	993.7	1002.5	1008.4
32.5°	735.8	744.6	754.8	765.1	781.2	804.7	841.3	870.6	895.5	899.9	910.2
35°	655.2	661.0	668.4	678.6	688.9	707.9	735.8	759.2	778.3	785.6	791.5
37.5°	598.0	599.5	606.8	618.5	627.3	643.4	668.4	685.9	705.0	706.5	712.3
40°	559.9	561.4	568.7	578.9	589.2	599.5	621.4	637.6	650.8	652.2	656.6
42.5°	515.9	520.3	523.2	527.6	535.0	543.8	562.8	571.6	580.4	581.9	587.7
45°	455.8	457.3	460.2	464.6	473.4	482.2	495.4	505.7	511.5	511.5	510.1
47.5°	422.1	423.6	423.6	429.4	436.8	445.6	457.3	466.1	469.0	469.0	469.0
50°	410.4	410.4	407.5	411.9	419.2	425.0	436.8	444.1	445.6	447.0	448.5
52.5°	419.2	416.3	407.5	411.9	419.2	425.0	436.8	439.7	439.7	442.6	444.1
55°	467.6	463.2	445.6	448.5	457.3	464.6	473.4	474.9	477.8	482.2	480.7
57.5°	498.3	501.3	480.7	485.1	501.3	507.1	517.4	515.9	521.8	527.6	529.1
60°	469.0	477.8	461.7	467.6	486.6	489.5	499.8	493.9	502.7	502.7	502.7
62.5°	398.7	401.6	392.8	401.6	419.2	419.2	426.5	422.1	425.0	422.1	423.6
65°	348.8	347.4	337.1	348.8	354.7	357.6	363.5	365.0	365.0	362.0	362.0
67.5°	318.1	315.1	306.3	309.3	315.1	316.6	325.4	326.8	325.4	325.4	326.8
70°	290.2	285.8	277.0	278.5	282.9	284.3	291.7	294.6	293.1	291.7	293.1
72.5°	262.4	258.0	249.2	249.2	253.6	256.5	262.4	265.3	262.4	262.4	263.8
75°	236.0	231.6	222.8	222.8	225.7	227.2	234.5	236.0	234.5	233.0	234.5
77.5°	212.5	209.6	200.8	200.8	202.3	203.7	208.1	209.6	208.1	206.7	208.1
80°	190.5	186.1	180.3	178.8	180.3	180.3	184.7	186.1	183.2	183.2	184.7
82.5°	170.0	165.6	159.8	159.8	158.3	159.8	162.7	164.2	162.7	161.2	162.7
85°	151.0	148.0	142.2	140.7	140.7	140.7	143.6	143.6	142.2	142.2	142.2
87.5°	133.4	130.4	124.6	124.6	123.1	124.6	126.0	126.0	124.6	124.6	124.6
90°	115.8	112.9	108.5	108.5	107.0	108.5	109.9	109.9	108.5	108.5	108.5
92.5°	102.6	101.1	96.7	96.7	95.3	96.7	96.7	96.7	95.3	95.3	95.3
95°	90.9	89.4	86.5	85.0	85.0	85.0	85.0	85.0	83.5	83.5	83.5
97.5°	79.1	77.7	74.7	74.7	73.3	74.7	74.7	74.7	73.3	73.3	73.3
100°	68.9	67.4	66.0	66.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5
102.5°	57.2	57.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
105°	51.3	51.3	51.3	51.3	52.8	52.8	52.8	51.3	51.3	51.3	51.3
107.5°	48.4	48.4	48.4	49.8	49.8	49.8	51.3	48.4	46.9	46.9	46.9
110°	46.9	46.9	48.4	48.4	49.8	49.8	51.3	45.4	44.0	44.0	44.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	48.4	48.4	48.4	49.8	51.3	51.3	52.8	45.4	44.0	44.0	44.0
115°	51.3	51.3	51.3	52.8	54.2	55.7	55.7	48.4	45.4	45.4	46.9
117.5°	55.7	55.7	55.7	57.2	60.1	60.1	60.1	51.3	49.8	49.8	49.8
120°	61.6	63.0	63.0	64.5	67.4	68.9	66.0	58.6	49.8	54.2	54.2
122.5°	70.4	71.8	73.3	74.7	79.1	79.1	74.7	67.4	54.2	60.1	61.6
125°	82.1	83.5	85.0	87.9	92.3	92.3	86.5	76.2	61.6	67.4	68.9
127.5°	93.8	96.7	98.2	102.6	108.5	108.5	101.1	87.9	68.9	73.3	74.7
130°	107.0	109.9	112.9	118.7	126.0	123.1	117.3	99.7	74.7	77.7	77.7
132.5°	118.7	123.1	124.6	133.4	140.7	137.8	130.4	107.0	77.7	77.7	76.2
135°	127.5	130.4	131.9	140.7	148.0	143.6	134.8	109.9	76.2	73.3	73.3
137.5°	133.4	136.3	137.8	143.6	149.5	142.2	130.4	104.1	73.3	71.8	70.4
140°	136.3	136.3	136.3	140.7	143.6	134.8	120.2	93.8	66.0	68.9	68.9
142.5°	133.4	131.9	130.4	133.4	134.8	124.6	111.4	83.5	60.1	63.0	63.0
145°	126.0	123.1	121.7	123.1	123.1	111.4	96.7	71.8	52.8	54.2	54.2
147.5°	115.8	111.4	108.5	108.5	107.0	95.3	82.1	60.1	45.4	44.0	44.0
150°	99.7	95.3	92.3	92.3	87.9	77.7	66.0	46.9	36.6	36.6	36.6
152.5°	82.1	77.7	74.7	74.7	70.4	60.1	49.8	35.2	27.8	27.8	27.8
155°	64.5	60.1	57.2	55.7	52.8	45.4	36.6	26.4	20.5	20.5	20.5
157.5°	48.4	45.4	42.5	41.0	38.1	33.7	26.4	19.1	13.2	14.7	14.7
160°	33.7	30.8	29.3	27.8	26.4	22.0	17.6	11.7	7.3	7.3	7.3
162.5°	20.5	19.1	19.1	17.6	16.1	14.7	10.3	5.9	2.9	2.9	2.9
165°	10.3	10.3	8.8	8.8	7.3	5.9	4.4	1.5	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
170°	1.5	1.5	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)