

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: P691438

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691438
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-C016-5TLD-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: 4549 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.8
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



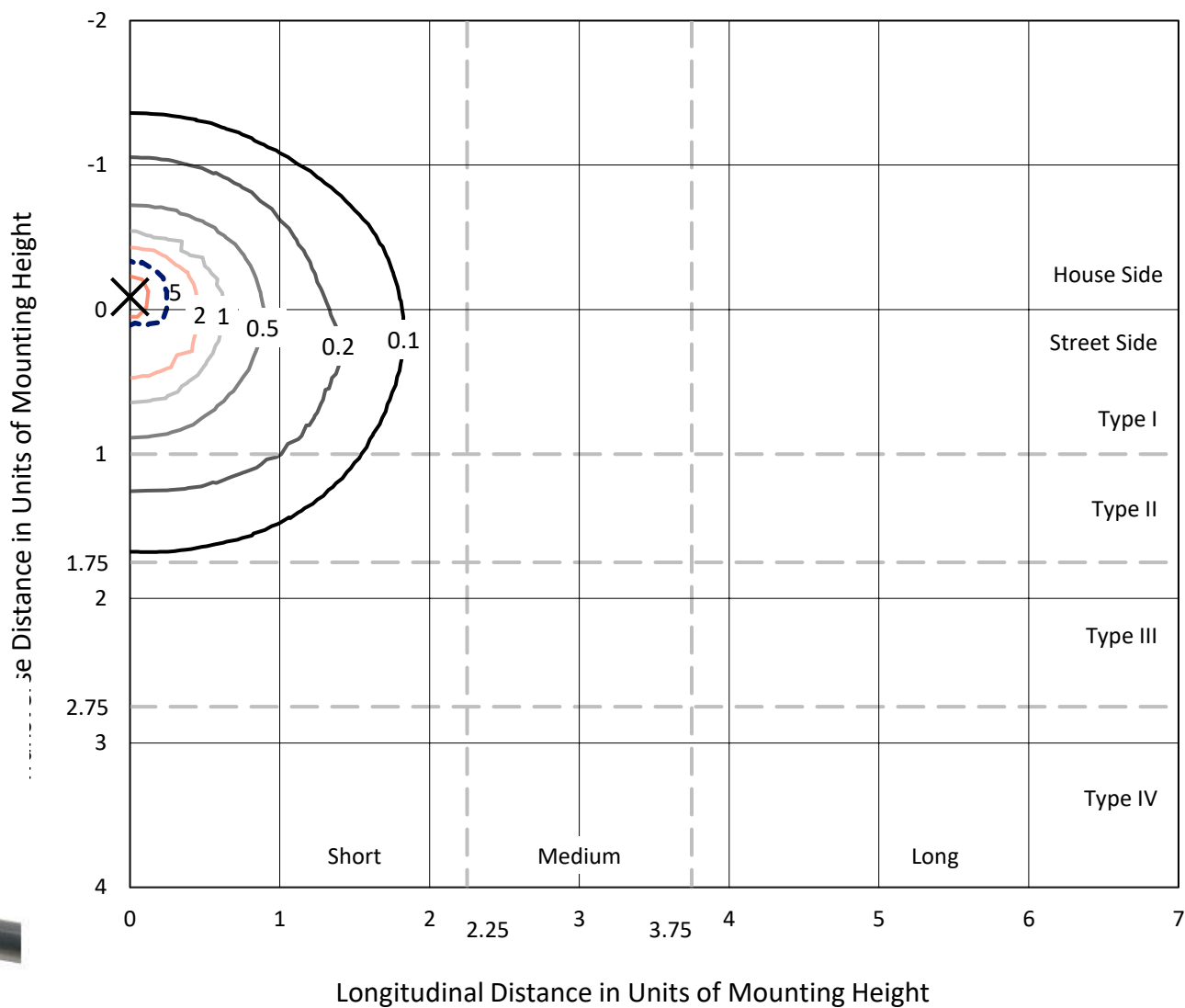
REPORT NUMBER: P691438

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

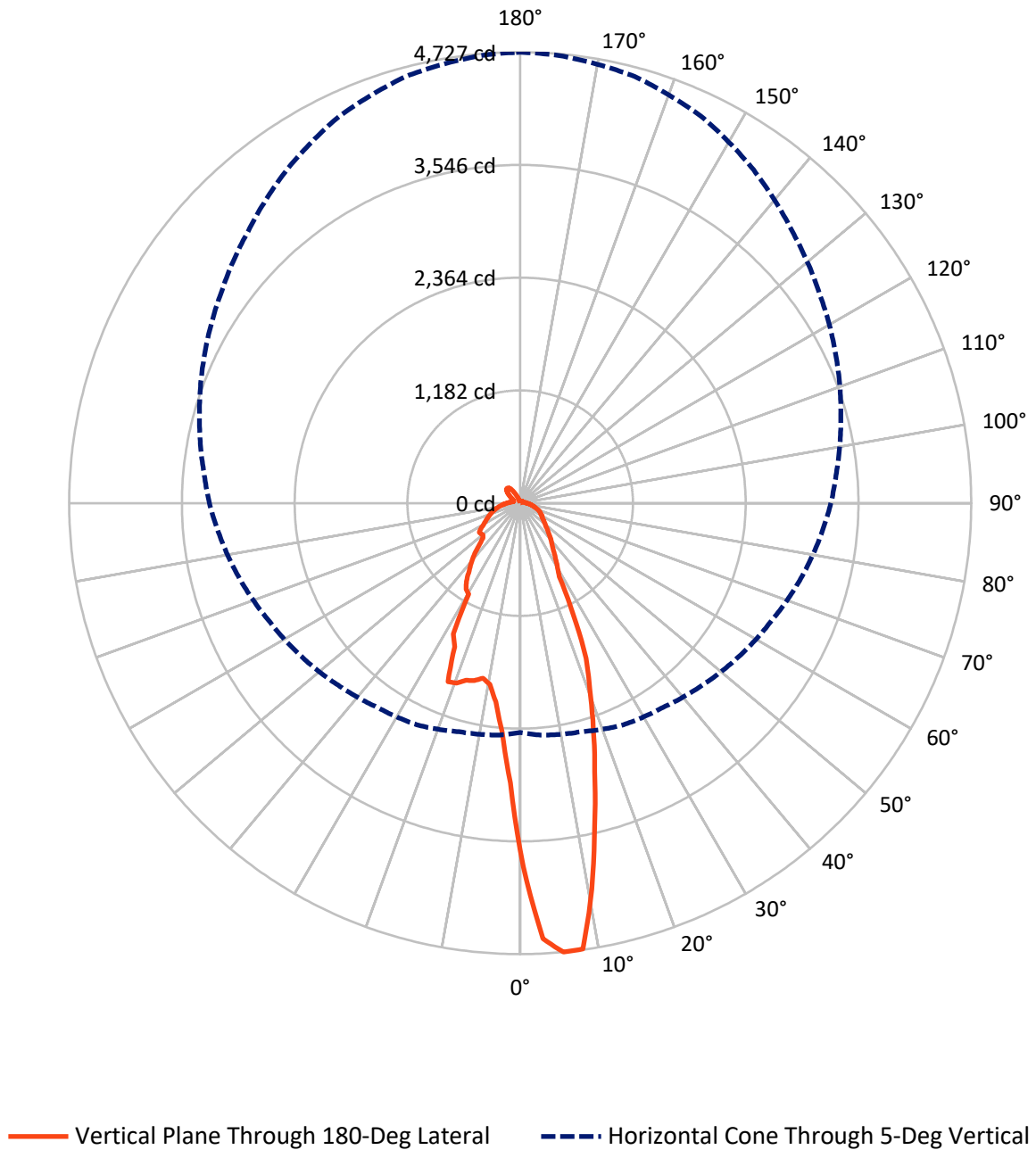


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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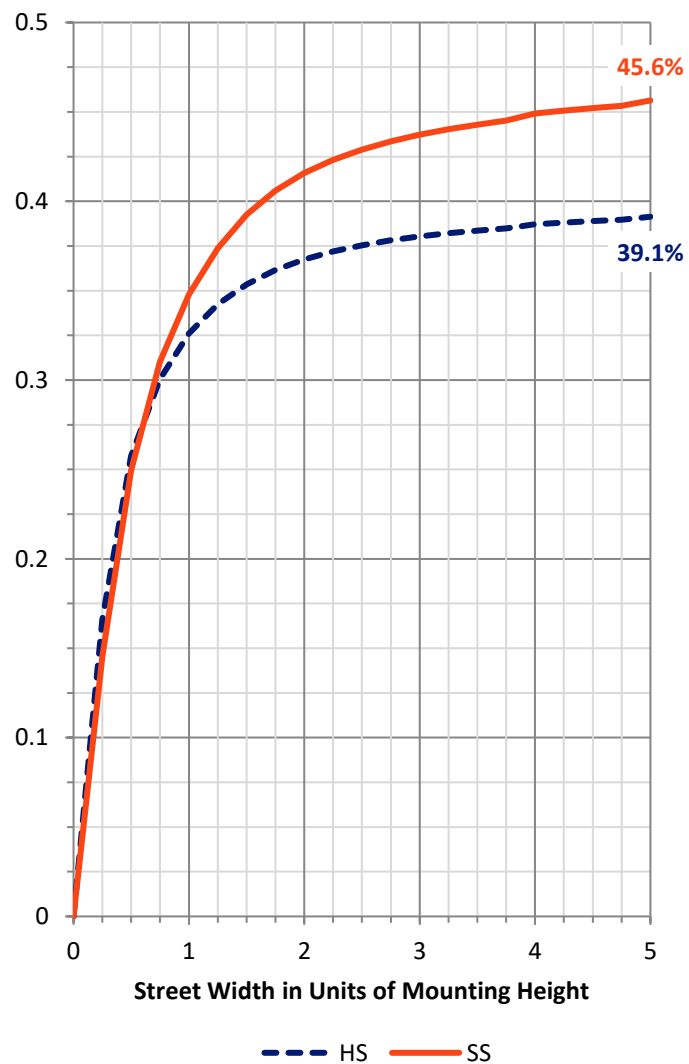
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1828.3	196.0	2024.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2133.6	391.0	2524.6
	% Fixture	46.9	8.6	55.5
Total	Lumens	3961.9	587.1	4549.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.8	6.7
10°-20°	655.8	14.4
20°-30°	722.1	15.9
30°-40°	530.6	11.7
40°-50°	444.6	9.8
50°-60°	446.0	9.8
60°-70°	382.0	8.4
70°-80°	284.6	6.3
80°-90°	190.4	4.2
90°-100°	113.1	2.5
100°-110°	65.7	1.4
110°-120°	61.1	1.3
120°-130°	88.6	1.9
130°-140°	119.2	2.6
140°-150°	96.5	2.1
150°-160°	38.1	0.8
160°-170°	4.6	0.1
170°-180°	0.0	0.0
0°-90°	3961.9	87.1
0°-180°	4549.0	100.0

Coefficient of Utilization



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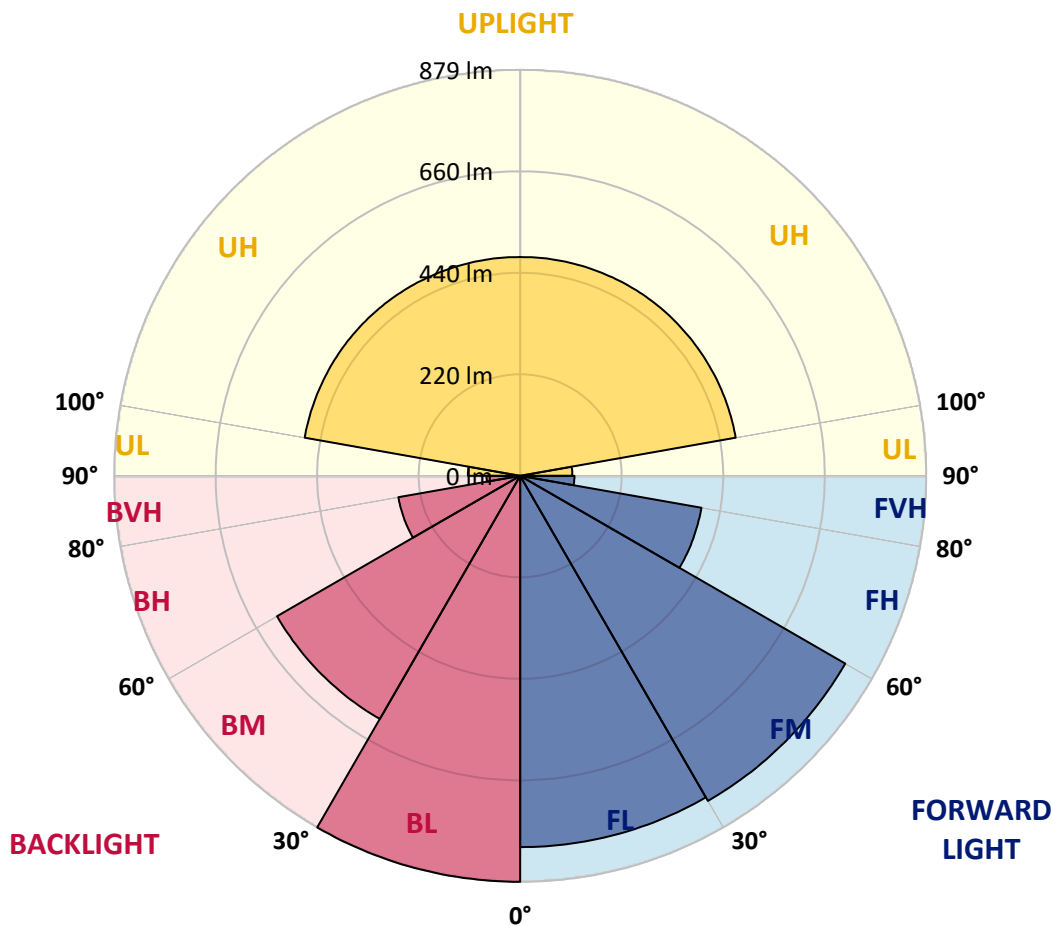
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	804.3	17.7			
FM	(30°-60°)	813.1	17.9			
FH	(60°-80°)	398.7	8.8			G0/660
FVH	(80°-90°)	117.6	2.6			G2/225
BL	(0°-30°)	879.4	19.3	B2/1000		
BM	(30°-60°)	608.1	13.4	B1/1000		
BH	(60°-80°)	268.0	5.9	B1/500		G1/500
BVH	(80°-90°)	72.9	1.6			G1/100
UL	(90°-100°)	113.1	2.5		U3/500	
UH	(100°-180°)	473.9	10.4		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9
2.5°	2933.6	2977.0	2998.7	3063.7	3085.4	3126.9	3190.2	3253.4	3360.0	3439.4	3500.9
5°	2404.4	2440.5	2480.2	2563.3	2612.1	2698.8	2800.0	2908.3	3045.6	3184.7	3257.0
7.5°	2095.5	2104.5	2162.3	2263.5	2352.0	2444.1	2554.3	2648.2	2742.2	2856.0	2928.2
10°	1925.7	1938.3	1976.2	2053.9	2129.8	2205.6	2292.4	2364.6	2460.4	2556.1	2599.4
12.5°	1875.1	1880.5	1913.0	1958.2	2006.9	2055.7	2122.6	2187.6	2272.5	2355.6	2384.5
15°	1920.2	1920.2	1925.7	1943.7	1969.0	2006.9	2057.5	2113.5	2191.2	2252.6	2283.3
17.5°	1941.9	1943.7	1958.2	1961.8	1985.3	2001.5	2046.7	2090.0	2164.1	2214.7	2230.9
20°	1999.7	1999.7	2001.5	2010.6	2014.2	2023.2	2043.1	2066.6	2128.0	2155.1	2151.5
22.5°	2017.8	2010.6	2039.5	2091.8	2090.0	2091.8	2073.8	2079.2	2113.5	2102.7	2077.4
25°	1656.5	1647.5	1680.0	1712.5	1759.5	1819.1	1967.2	2082.8	2126.2	2091.8	2035.8
27.5°	1540.9	1501.1	1492.1	1414.4	1344.0	1228.4	1217.5	1145.3	1138.0	1183.2	1224.8
30°	1094.7	1096.5	1094.7	1087.5	1082.1	1087.5	1092.9	1080.2	1083.9	1112.8	1100.1
32.5°	1067.6	1067.6	1060.4	1056.8	1040.5	1035.1	1026.1	1002.6	1006.2	1027.9	1022.4
35°	995.3	991.7	993.5	984.5	955.6	932.1	928.5	908.6	908.6	921.3	915.9
37.5°	887.0	881.5	903.2	901.4	877.9	868.9	859.9	847.2	847.2	858.1	847.2
40°	802.1	798.4	821.9	829.2	814.7	818.3	820.1	809.3	820.1	821.9	807.5
42.5°	711.7	709.9	729.8	728.0	715.3	713.5	711.7	704.5	722.6	737.0	726.2
45°	605.2	599.7	614.2	619.6	616.0	610.6	608.8	608.8	619.6	626.8	616.0
47.5°	534.7	536.5	547.3	560.0	563.6	567.2	565.4	561.8	569.0	570.8	561.8
50°	511.2	513.0	529.3	543.7	554.6	561.8	561.8	556.4	561.8	556.4	543.7
52.5°	522.1	522.1	543.7	565.4	583.5	596.1	597.9	590.7	590.7	576.3	556.4
55°	525.7	529.3	558.2	594.3	626.8	661.2	677.4	672.0	677.4	646.7	614.2
57.5°	491.3	500.4	529.3	572.6	616.0	670.2	704.5	708.1	706.3	679.2	639.5
60°	446.2	453.4	473.3	511.2	552.8	596.1	630.4	637.7	644.9	632.2	596.1
62.5°	415.5	419.1	435.3	462.4	491.3	514.8	527.5	525.7	532.9	529.3	502.2
65°	388.4	390.2	408.3	429.9	448.0	471.5	475.1	475.1	480.5	473.3	451.6
67.5°	359.5	359.5	373.9	393.8	415.5	435.3	440.8	442.6	449.8	442.6	426.3
70°	334.2	334.2	346.8	363.1	379.3	399.2	404.6	406.4	415.5	406.4	390.2
72.5°	310.7	310.7	321.5	336.0	350.4	366.7	372.1	373.9	381.2	372.1	359.5
75°	285.4	287.2	296.3	308.9	321.5	336.0	343.2	343.2	348.6	337.8	327.0
77.5°	260.1	261.9	271.0	281.8	292.6	307.1	310.7	312.5	317.9	307.1	296.3
80°	234.8	238.4	245.7	254.7	265.5	276.4	283.6	283.6	287.2	276.4	269.2
82.5°	211.4	215.0	220.4	227.6	238.4	249.3	256.5	256.5	258.3	249.3	240.3
85°	187.9	191.5	196.9	202.3	211.4	222.2	229.4	229.4	231.2	222.2	215.0
87.5°	166.2	169.8	173.4	178.8	186.1	196.9	204.1	204.1	204.1	196.9	189.7
90°	144.5	146.3	149.9	155.4	162.6	171.6	177.0	178.8	178.8	169.8	166.2
92.5°	128.3	128.3	131.9	135.5	142.7	149.9	155.4	157.2	157.2	151.7	146.3
95°	110.2	112.0	113.8	117.4	122.8	128.3	135.5	135.5	135.5	131.9	128.3
97.5°	97.5	95.7	97.5	99.4	104.8	108.4	113.8	115.6	115.6	112.0	110.2
100°	83.1	84.9	84.9	86.7	88.5	90.3	93.9	95.7	95.7	93.9	93.9
102.5°	77.7	75.9	75.9	75.9	75.9	75.9	77.7	77.7	79.5	77.7	75.9
105°	72.3	72.3	72.3	72.3	70.5	70.5	70.5	70.5	68.6	66.8	66.8
107.5°	70.5	70.5	70.5	70.5	68.6	68.6	66.8	66.8	65.0	63.2	61.4
110°	70.5	70.5	70.5	70.5	68.6	66.8	66.8	65.0	63.2	61.4	59.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	74.1	74.1	74.1	74.1	70.5	68.6	66.8	66.8	63.2	61.4	59.6
115°	81.3	81.3	79.5	79.5	77.7	74.1	72.3	70.5	68.6	65.0	63.2
117.5°	88.5	88.5	88.5	88.5	86.7	83.1	79.5	77.7	75.9	70.5	68.6
120°	101.2	101.2	101.2	103.0	99.4	95.7	92.1	88.5	86.7	81.3	77.7
122.5°	117.4	115.6	119.2	121.0	119.2	113.8	108.4	104.8	101.2	93.9	90.3
125°	133.7	133.7	137.3	142.7	142.7	137.3	130.1	124.6	121.0	110.2	104.8
127.5°	153.5	153.5	159.0	168.0	169.8	164.4	157.2	149.9	144.5	130.1	124.6
130°	171.6	171.6	182.4	193.3	198.7	193.3	186.1	177.0	169.8	153.5	144.5
132.5°	186.1	187.9	200.5	215.0	222.2	220.4	211.4	204.1	196.9	177.0	166.2
135°	200.5	202.3	216.8	234.8	243.9	243.9	236.6	227.6	218.6	196.9	184.3
137.5°	207.7	209.5	227.6	245.7	256.5	260.1	256.5	247.5	238.4	215.0	198.7
140°	207.7	211.4	229.4	247.5	258.3	263.7	263.7	254.7	245.7	224.0	207.7
142.5°	202.3	205.9	222.2	240.3	251.1	258.3	260.1	252.9	243.9	222.2	205.9
145°	191.5	193.3	209.5	225.8	236.6	245.7	249.3	243.9	233.0	215.0	198.7
147.5°	173.4	173.4	187.9	200.5	215.0	224.0	229.4	225.8	216.8	200.5	186.1
150°	148.1	148.1	159.0	171.6	184.3	195.1	200.5	200.5	191.5	178.8	164.4
152.5°	117.4	119.2	126.4	137.3	149.9	159.0	166.2	166.2	160.8	149.9	137.3
155°	90.3	90.3	95.7	103.0	113.8	122.8	128.3	128.3	124.6	115.6	108.4
157.5°	65.0	65.0	68.6	75.9	83.1	90.3	95.7	95.7	92.1	86.7	81.3
160°	43.4	43.4	45.2	50.6	56.0	61.4	65.0	66.8	65.0	61.4	56.0
162.5°	23.5	23.5	25.3	28.9	32.5	37.9	39.7	41.5	41.5	37.9	36.1
165°	7.2	7.2	7.2	10.8	12.6	16.3	18.1	19.9	19.9	19.9	18.1
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4	5.4	5.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	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°	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9	3807.9
2.5°	3558.7	3692.3	3840.5	3992.2	4147.6	4293.9	4416.7	4514.3	4566.6	4579.3	4572.1
5°	3322.0	3479.2	3652.6	3829.6	4031.9	4265.0	4478.1	4631.7	4711.2	4723.8	4727.4
7.5°	2984.2	3121.5	3291.3	3495.4	3750.1	3999.4	4328.2	4557.6	4685.9	4720.2	4720.2
10°	2628.4	2749.4	2856.0	3034.8	3257.0	3490.0	3770.0	3981.4	4111.4	4153.0	4116.8
12.5°	2427.8	2480.2	2552.5	2684.4	2823.4	3000.5	3242.5	3379.8	3464.7	3490.0	3468.3
15°	2299.6	2326.7	2357.4	2413.4	2510.9	2621.1	2763.8	2848.7	2901.1	2931.8	2921.0
17.5°	2238.2	2238.2	2232.7	2245.4	2270.7	2321.3	2418.8	2449.5	2473.0	2485.6	2478.4
20°	2144.2	2115.3	2091.8	2055.7	2041.3	2039.5	2062.9	2095.5	2093.6	2095.5	2081.0
22.5°	2050.3	1990.7	1932.9	1878.7	1817.3	1786.6	1764.9	1775.7	1766.7	1775.7	1766.7
25°	2005.1	1884.1	1768.5	1636.6	1526.4	1441.5	1385.5	1351.2	1293.4	1315.1	1295.2
27.5°	1244.6	1194.0	1145.3	1047.7	955.6	923.1	896.0	881.5	870.7	876.1	872.5
30°	1078.4	1036.9	999.0	948.4	877.9	834.6	802.1	773.2	764.1	765.9	764.1
32.5°	1000.8	968.2	921.3	868.9	805.7	751.5	713.5	686.4	672.0	681.0	673.8
35°	896.0	863.5	823.7	775.0	720.8	672.0	635.9	610.6	594.3	597.9	596.1
37.5°	827.3	796.6	762.3	709.9	663.0	616.0	579.9	554.6	538.3	541.9	538.3
40°	787.6	753.3	717.2	670.2	623.2	574.4	540.1	511.2	495.0	495.0	495.0
42.5°	706.3	679.2	648.5	599.7	558.2	516.6	482.3	460.6	442.6	444.4	440.8
45°	603.3	583.5	560.0	527.5	493.2	460.6	431.7	415.5	401.0	402.8	401.0
47.5°	551.0	532.9	505.8	480.5	449.8	420.9	395.6	375.7	364.9	366.7	363.1
50°	531.1	509.4	478.7	444.4	415.5	386.6	361.3	346.8	336.0	337.8	336.0
52.5°	538.3	504.0	460.6	419.1	384.8	355.9	336.0	319.7	312.5	314.3	310.7
55°	585.3	525.7	460.6	408.3	364.9	332.4	312.5	294.4	287.2	287.2	287.2
57.5°	601.5	536.5	455.2	395.6	348.6	316.1	292.6	274.6	267.4	267.4	267.4
60°	563.6	507.6	433.5	377.5	334.2	303.5	283.6	271.0	265.5	265.5	265.5
62.5°	482.3	446.2	390.2	345.0	312.5	285.4	265.5	249.3	243.9	242.1	242.1
65°	437.2	402.8	355.9	317.9	289.0	267.4	249.3	236.6	229.4	229.4	229.4
67.5°	408.3	375.7	332.4	296.3	269.2	245.7	229.4	216.8	213.2	211.4	211.4
70°	375.7	345.0	301.7	269.2	243.9	224.0	207.7	196.9	193.3	193.3	191.5
72.5°	343.2	314.3	272.8	242.1	218.6	200.5	186.1	177.0	173.4	171.6	171.6
75°	312.5	283.6	245.7	216.8	195.1	178.8	166.2	157.2	153.5	153.5	153.5
77.5°	283.6	256.5	220.4	193.3	175.2	159.0	148.1	140.9	137.3	137.3	137.3
80°	256.5	229.4	196.9	171.6	153.5	140.9	131.9	124.6	121.0	122.8	121.0
82.5°	227.6	205.9	175.2	151.7	137.3	124.6	115.6	110.2	106.6	108.4	106.6
85°	204.1	182.4	153.5	133.7	119.2	108.4	101.2	95.7	92.1	93.9	92.1
87.5°	180.6	160.8	135.5	117.4	104.8	95.7	86.7	83.1	81.3	81.3	79.5
90°	155.4	137.3	115.6	101.2	88.5	81.3	74.1	70.5	68.6	66.8	66.8
92.5°	137.3	122.8	103.0	90.3	79.5	74.1	66.8	63.2	61.4	61.4	61.4
95°	121.0	108.4	92.1	81.3	74.1	66.8	61.4	59.6	57.8	57.8	56.0
97.5°	104.8	93.9	83.1	74.1	66.8	61.4	56.0	54.2	52.4	52.4	52.4
100°	88.5	81.3	72.3	65.0	59.6	56.0	50.6	48.8	47.0	47.0	47.0
102.5°	74.1	68.6	61.4	56.0	52.4	48.8	45.2	43.4	41.5	41.5	41.5
105°	65.0	59.6	56.0	50.6	47.0	43.4	41.5	37.9	36.1	36.1	36.1
107.5°	59.6	56.0	52.4	48.8	45.2	41.5	37.9	34.3	32.5	32.5	32.5
110°	57.8	54.2	50.6	47.0	43.4	39.7	37.9	32.5	30.7	30.7	30.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	57.8	56.0	52.4	48.8	45.2	41.5	37.9	30.7	28.9	28.9	28.9
115°	61.4	57.8	54.2	50.6	47.0	43.4	39.7	30.7	28.9	28.9	28.9
117.5°	66.8	63.2	57.8	54.2	50.6	45.2	39.7	32.5	28.9	28.9	28.9
120°	75.9	70.5	65.0	59.6	54.2	48.8	41.5	32.5	27.1	28.9	28.9
122.5°	86.7	81.3	72.3	65.0	59.6	52.4	43.4	34.3	27.1	28.9	28.9
125°	101.2	93.9	83.1	74.1	65.0	56.0	45.2	34.3	27.1	28.9	30.7
127.5°	117.4	106.6	93.9	81.3	70.5	59.6	48.8	36.1	27.1	30.7	30.7
130°	135.5	122.8	106.6	90.3	77.7	63.2	50.6	36.1	28.9	28.9	28.9
132.5°	155.4	137.3	115.6	97.5	81.3	65.0	50.6	36.1	28.9	28.9	28.9
135°	169.8	148.1	124.6	103.0	84.9	66.8	52.4	36.1	27.1	27.1	27.1
137.5°	182.4	157.2	131.9	106.6	86.7	66.8	50.6	34.3	27.1	25.3	25.3
140°	189.7	160.8	131.9	106.6	84.9	65.0	47.0	32.5	23.5	23.5	23.5
142.5°	189.7	159.0	130.1	103.0	79.5	61.4	45.2	28.9	21.7	21.7	21.7
145°	182.4	151.7	122.8	97.5	74.1	56.0	39.7	27.1	19.9	19.9	19.9
147.5°	169.8	139.1	112.0	88.5	65.0	48.8	34.3	21.7	16.3	16.3	16.3
150°	151.7	122.8	97.5	75.9	56.0	39.7	28.9	18.1	12.6	12.6	12.6
152.5°	126.4	103.0	79.5	63.2	45.2	32.5	21.7	14.5	10.8	10.8	10.8
155°	99.4	81.3	63.2	48.8	34.3	23.5	16.3	10.8	7.2	7.2	7.2
157.5°	75.9	61.4	47.0	36.1	25.3	18.1	12.6	7.2	5.4	5.4	5.4
160°	52.4	41.5	32.5	25.3	16.3	12.6	9.0	5.4	3.6	3.6	3.6
162.5°	34.3	27.1	19.9	14.5	10.8	7.2	5.4	3.6	1.8	1.8	1.8
165°	16.3	12.6	10.8	7.2	5.4	3.6	1.8	1.8	0.0	0.0	0.0
167.5°	5.4	3.6	3.6	1.8	1.8	1.8	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)