

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: P691221

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691221
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-C015-5TLD-U-T2-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 3213 lumens
Efficiency: N/A
Efficacy: 98.3 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



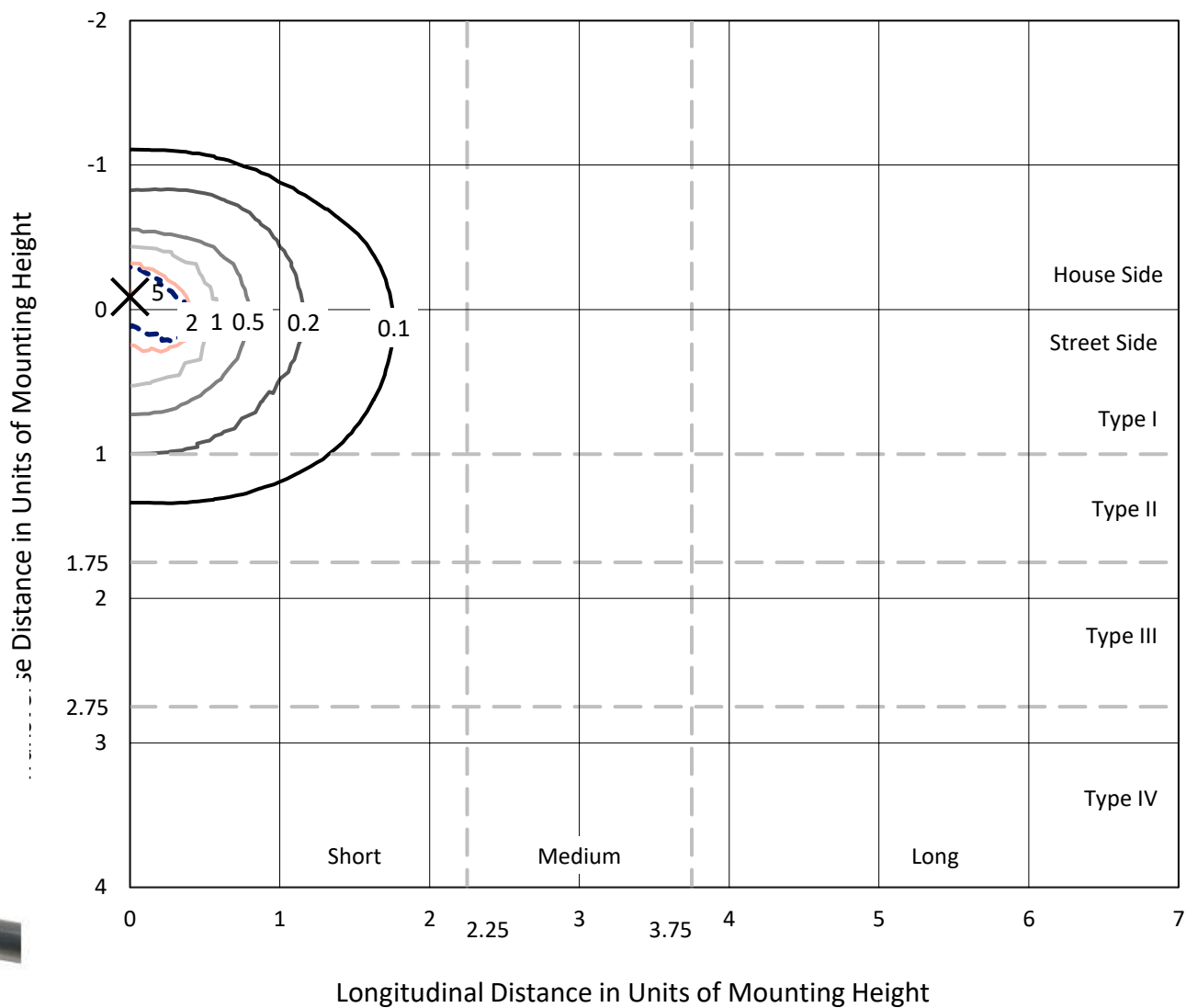
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

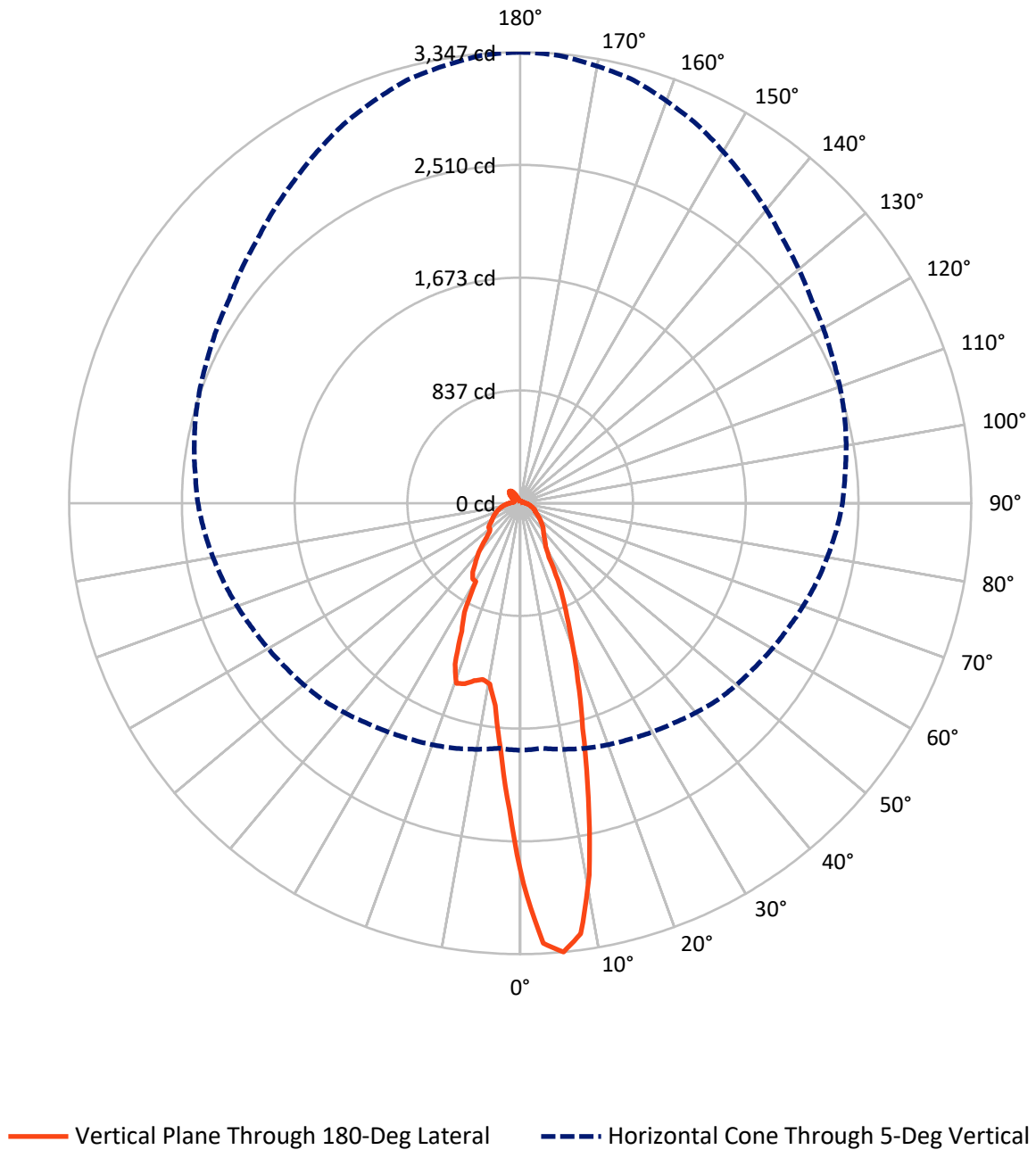


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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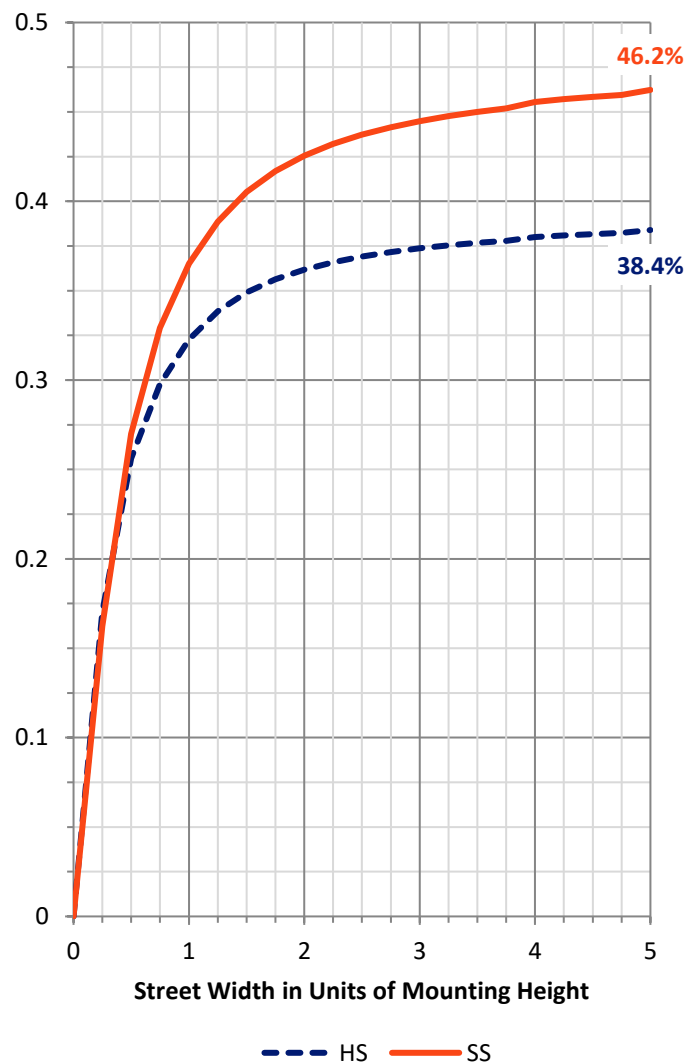
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.2	148.7	1414.9
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1521.8	276.3	1798.1
	% Fixture	47.4	8.6	56.0
Total	Lumens	2788.0	425.0	3213.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	6.8
10°-20°	463.9	14.4
20°-30°	504.9	15.7
30°-40°	369.6	11.5
40°-50°	310.7	9.7
50°-60°	315.6	9.8
60°-70°	268.2	8.3
70°-80°	200.2	6.2
80°-90°	136.2	4.2
90°-100°	81.8	2.5
100°-110°	46.9	1.5
110°-120°	43.2	1.3
120°-130°	62.7	2.0
130°-140°	86.3	2.7
140°-150°	71.4	2.2
150°-160°	29.1	0.9
160°-170°	3.6	0.1
170°-180°	0.0	0.0
0°-90°	2788.0	86.8
0°-180°	3213.0	100.0

Coefficient of Utilization



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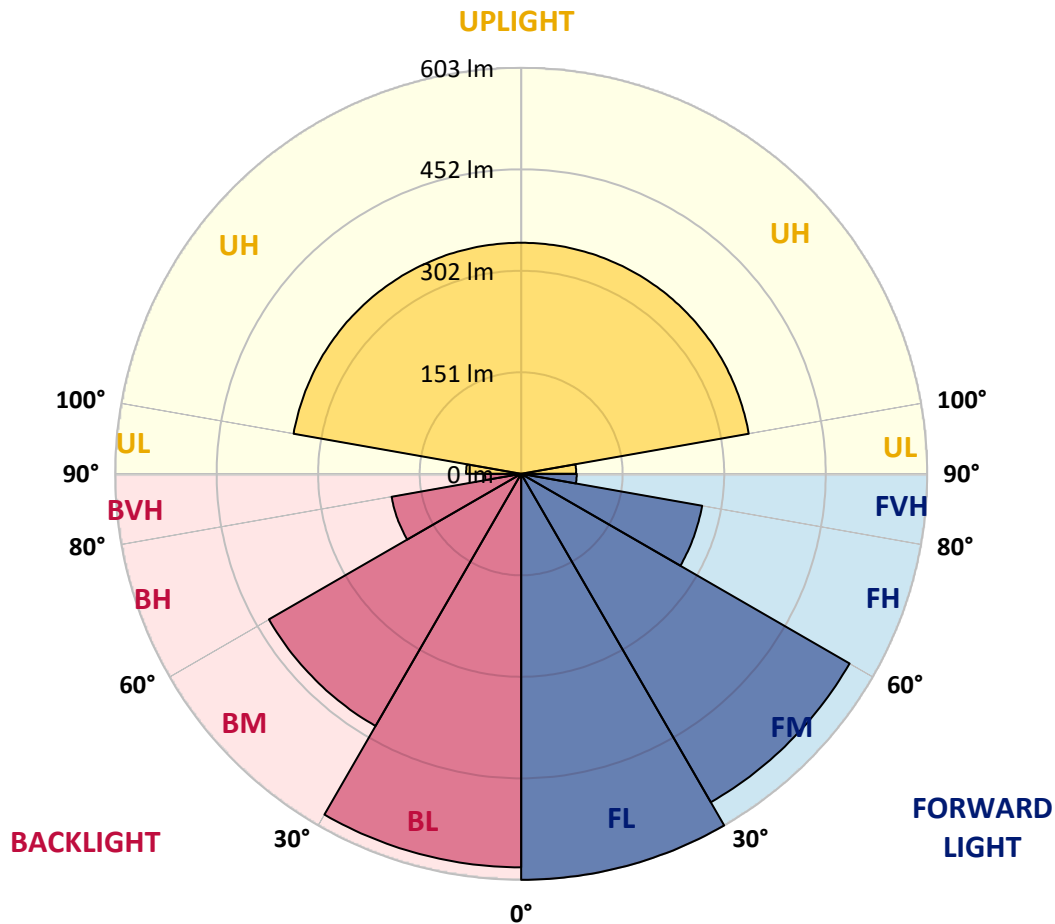
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	603.0	18.8			
FM	(30°-60°)	563.3	17.5			
FH	(60°-80°)	272.9	8.5			G0/660
FVH	(80°-90°)	82.5	2.6			G1/100
BL	(0°-30°)	584.4	18.2	B2/1000		
BM	(30°-60°)	432.6	13.5	B1/1000		
BH	(60°-80°)	195.4	6.1	B1/500		G1/500
BVH	(80°-90°)	53.7	1.7			G1/100
UL	(90°-100°)	81.8	2.5		U3/500	
UH	(100°-180°)	343.2	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°	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5
2.5°	2277.9	2273.6	2305.1	2312.2	2315.1	2348.0	2392.3	2422.4	2476.8	2529.7	2551.2
5°	1834.3	1825.7	1883.0	1931.6	1990.3	2067.6	2124.8	2193.5	2275.0	2353.7	2390.9
7.5°	1512.4	1523.8	1605.4	1705.6	1800.0	1891.6	1961.7	2020.3	2067.6	2117.6	2127.6
10°	1360.7	1370.7	1450.9	1546.7	1634.0	1727.0	1787.1	1837.2	1867.2	1904.4	1917.3
12.5°	1336.4	1343.6	1397.9	1465.2	1531.0	1615.4	1691.2	1747.0	1781.4	1811.4	1814.3
15°	1360.7	1363.6	1396.5	1440.8	1498.1	1568.2	1655.5	1718.4	1757.1	1769.9	1767.1
17.5°	1400.8	1400.8	1416.5	1453.7	1508.1	1575.3	1658.3	1722.7	1762.8	1768.5	1757.1
20°	1418.0	1420.8	1430.8	1472.3	1521.0	1582.5	1665.5	1719.9	1751.3	1735.6	1715.6
22.5°	1289.2	1283.5	1310.6	1397.9	1506.7	1616.8	1695.5	1757.1	1774.2	1721.3	1678.4
25°	1043.1	1045.9	1063.1	1106.0	1190.5	1292.0	1466.6	1654.0	1784.2	1764.2	1699.8
27.5°	910.0	901.4	905.7	912.9	901.4	880.0	900.0	895.7	892.8	944.3	950.1
30°	668.2	669.6	676.8	689.7	716.8	756.9	799.8	824.2	845.6	885.7	880.0
32.5°	663.9	665.3	669.6	681.1	695.4	722.6	749.8	759.8	782.7	815.6	805.6
35°	621.0	616.7	628.1	638.2	642.4	653.9	675.4	689.7	704.0	726.9	721.1
37.5°	550.9	552.3	575.2	590.9	595.2	611.0	631.0	642.4	658.2	678.2	668.2
40°	490.8	492.2	519.4	536.6	546.6	568.0	598.1	612.4	638.2	653.9	642.4
42.5°	422.1	427.8	446.4	466.5	472.2	485.1	505.1	523.7	556.6	578.1	570.9
45°	352.0	354.8	367.7	387.8	396.3	410.6	429.2	446.4	472.2	489.3	487.9
47.5°	310.5	313.4	324.8	342.0	359.1	377.7	397.8	414.9	439.3	453.6	447.9
50°	293.3	296.2	310.5	330.5	352.0	376.3	400.6	419.2	442.1	450.7	443.6
52.5°	296.2	296.2	316.2	342.0	372.0	404.9	435.0	457.9	476.5	482.2	466.5
55°	280.4	284.7	306.2	342.0	387.8	439.3	490.8	539.4	566.6	560.9	530.8
57.5°	256.1	260.4	276.2	314.8	363.4	425.0	497.9	558.0	590.9	595.2	565.2
60°	241.8	244.7	259.0	289.0	332.0	382.0	447.9	496.5	533.7	545.1	523.7
62.5°	228.9	231.8	243.2	266.1	297.6	336.2	373.4	404.9	435.0	446.4	437.8
65°	214.6	216.1	227.5	247.5	273.3	306.2	337.7	360.6	384.9	392.0	382.0
67.5°	200.3	201.7	211.8	230.4	254.7	284.7	309.1	334.8	359.1	364.9	357.7
70°	187.4	188.9	197.5	214.6	236.1	264.7	287.6	304.8	329.1	334.8	326.2
72.5°	174.6	176.0	184.6	200.3	220.3	246.1	266.1	283.3	303.3	304.8	297.6
75°	161.7	163.1	170.3	184.6	201.7	227.5	246.1	260.4	277.6	277.6	269.0
77.5°	147.4	150.2	156.0	168.8	184.6	208.9	226.1	240.4	254.7	253.3	244.7
80°	134.5	135.9	141.7	153.1	167.4	190.3	207.5	218.9	231.8	230.4	223.2
82.5°	120.2	121.6	125.9	137.4	150.2	171.7	188.9	200.3	211.8	208.9	201.7
85°	105.9	107.3	113.0	121.6	134.5	154.5	170.3	181.7	190.3	187.4	181.7
87.5°	94.4	94.4	98.7	107.3	118.8	137.4	151.7	163.1	170.3	168.8	163.1
90°	81.6	83.0	85.8	93.0	103.0	118.8	133.1	143.1	150.2	147.4	141.7
92.5°	71.5	71.5	74.4	81.6	90.1	104.5	117.3	125.9	131.6	130.2	125.9
95°	61.5	63.0	64.4	70.1	77.3	88.7	100.2	108.7	114.5	113.0	110.2
97.5°	54.4	55.8	57.2	60.1	67.2	74.4	84.4	91.6	97.3	95.9	93.0
100°	50.1	50.1	50.1	52.9	57.2	63.0	70.1	75.8	78.7	80.1	77.3
102.5°	45.8	45.8	47.2	47.2	50.1	52.9	57.2	61.5	63.0	63.0	63.0
105°	44.4	44.4	45.8	45.8	47.2	48.6	51.5	52.9	54.4	54.4	52.9
107.5°	44.4	44.4	44.4	44.4	45.8	47.2	48.6	50.1	50.1	50.1	48.6
110°	45.8	45.8	45.8	45.8	45.8	47.2	47.2	48.6	48.6	47.2	47.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	47.2	47.2	47.2	47.2	47.2	48.6	48.6	48.6	48.6	47.2	47.2
115°	50.1	50.1	50.1	51.5	51.5	51.5	51.5	51.5	51.5	50.1	48.6
117.5°	55.8	55.8	55.8	55.8	57.2	57.2	57.2	57.2	57.2	54.4	54.4
120°	63.0	61.5	63.0	64.4	65.8	65.8	65.8	65.8	65.8	63.0	61.5
122.5°	70.1	70.1	71.5	74.4	77.3	78.7	77.3	77.3	77.3	73.0	71.5
125°	78.7	78.7	83.0	88.7	93.0	94.4	93.0	93.0	93.0	88.7	85.8
127.5°	88.7	88.7	94.4	103.0	110.2	114.5	113.0	113.0	113.0	105.9	101.6
130°	98.7	98.7	107.3	118.8	130.2	133.1	134.5	135.9	135.9	127.3	121.6
132.5°	105.9	107.3	117.3	133.1	147.4	151.7	156.0	157.4	157.4	147.4	138.8
135°	113.0	114.5	127.3	145.9	161.7	171.7	176.0	177.4	178.9	167.4	157.4
137.5°	117.3	118.8	133.1	154.5	170.3	183.1	193.2	196.0	196.0	183.1	170.3
140°	117.3	118.8	134.5	154.5	171.7	187.4	198.9	204.6	204.6	191.7	180.3
142.5°	114.5	117.3	131.6	151.7	168.8	184.6	197.5	203.2	203.2	191.7	180.3
145°	108.7	110.2	124.5	141.7	158.8	177.4	191.7	197.5	197.5	186.0	174.6
147.5°	98.7	100.2	111.6	127.3	144.5	163.1	177.4	184.6	183.1	173.1	163.1
150°	85.8	85.8	95.9	108.7	125.9	143.1	157.4	164.5	164.5	154.5	145.9
152.5°	70.1	70.1	77.3	87.3	101.6	118.8	130.2	137.4	137.4	130.2	123.1
155°	54.4	54.4	60.1	67.2	78.7	91.6	100.2	107.3	107.3	101.6	95.9
157.5°	38.6	38.6	44.4	50.1	58.7	68.7	75.8	80.1	81.6	75.8	73.0
160°	25.8	25.8	28.6	32.9	40.1	47.2	51.5	55.8	57.2	52.9	51.5
162.5°	14.3	14.3	15.7	20.0	24.3	28.6	32.9	35.8	35.8	34.3	32.9
165°	4.3	4.3	5.7	7.2	10.0	12.9	14.3	15.7	17.2	17.2	15.7
167.5°	0.0	0.0	1.4	1.4	1.4	1.4	2.9	2.9	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	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°	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5	2824.5
2.5°	2595.5	2675.7	2762.9	2847.4	2950.4	3057.7	3156.4	3223.7	3259.4	3270.9	3270.9
5°	2419.5	2492.5	2556.9	2637.0	2761.5	2923.2	3102.0	3250.8	3335.3	3345.3	3346.7
7.5°	2144.8	2204.9	2272.2	2343.7	2453.9	2598.4	2834.5	3074.9	3212.2	3238.0	3228.0
10°	1920.2	1957.4	1997.4	2024.6	2101.9	2209.2	2369.5	2605.5	2774.4	2794.4	2808.7
12.5°	1815.7	1821.4	1810.0	1815.7	1841.5	1891.6	1970.3	2106.2	2216.4	2235.0	2245.0
15°	1762.8	1734.2	1688.4	1645.5	1622.6	1626.9	1644.0	1699.8	1718.4	1749.9	1735.6
17.5°	1738.5	1674.1	1602.5	1519.5	1468.0	1415.1	1386.5	1376.5	1369.3	1370.7	1383.6
20°	1676.9	1604.0	1489.5	1380.8	1297.8	1224.8	1163.3	1118.9	1094.6	1083.1	1091.7
22.5°	1612.5	1499.5	1365.0	1247.7	1128.9	1035.9	965.8	901.4	865.7	875.7	864.2
25°	1614.0	1445.1	1284.9	1130.4	1018.8	895.7	784.1	716.8	658.2	669.6	685.4
27.5°	1017.3	973.0	858.5	768.4	656.8	595.2	539.4	492.2	459.3	460.7	456.4
30°	862.8	817.0	759.8	688.2	603.8	532.3	467.9	413.5	382.0	373.4	372.0
32.5°	797.0	758.3	705.4	635.3	558.0	486.5	422.1	372.0	340.5	339.1	339.1
35°	709.7	673.9	629.6	569.5	503.7	437.8	377.7	334.8	309.1	309.1	307.6
37.5°	655.3	623.8	580.9	525.1	466.5	400.6	347.7	309.1	281.9	280.4	281.9
40°	626.7	593.8	552.3	499.4	440.7	377.7	327.7	287.6	267.6	266.1	264.7
42.5°	569.5	543.7	507.9	459.3	407.8	352.0	304.8	269.0	251.8	250.4	251.8
45°	483.6	465.0	440.7	404.9	362.0	314.8	273.3	246.1	228.9	228.9	228.9
47.5°	443.6	426.4	399.2	363.4	326.2	281.9	247.5	224.6	208.9	208.9	208.9
50°	433.5	412.1	376.3	336.2	296.2	257.5	226.1	203.2	191.7	190.3	191.7
52.5°	447.9	414.9	366.3	319.1	274.7	237.5	207.5	186.0	174.6	174.6	174.6
55°	499.4	439.3	374.9	314.8	261.8	220.3	190.3	168.8	157.4	156.0	157.4
57.5°	533.7	457.9	377.7	310.5	253.3	208.9	176.0	153.1	141.7	140.2	141.7
60°	503.7	442.1	364.9	299.0	246.1	200.3	166.0	143.1	131.6	130.2	130.2
62.5°	417.8	382.0	326.2	270.4	227.5	187.4	156.0	134.5	123.1	121.6	123.1
65°	370.6	339.1	290.5	246.1	208.9	174.6	147.4	128.8	117.3	117.3	117.3
67.5°	344.8	316.2	270.4	227.5	193.2	161.7	135.9	118.8	108.7	108.7	108.7
70°	314.8	286.2	244.7	206.0	174.6	147.4	124.5	107.3	98.7	97.3	98.7
72.5°	289.0	260.4	221.8	186.0	157.4	133.1	113.0	97.3	90.1	88.7	90.1
75°	260.4	233.2	196.0	164.5	140.2	118.8	101.6	87.3	81.6	80.1	80.1
77.5°	236.1	210.3	176.0	147.4	125.9	105.9	90.1	80.1	74.4	73.0	73.0
80°	214.6	190.3	157.4	131.6	111.6	94.4	81.6	71.5	65.8	65.8	65.8
82.5°	191.7	170.3	140.2	115.9	98.7	84.4	71.5	63.0	58.7	58.7	58.7
85°	173.1	151.7	123.1	103.0	85.8	73.0	63.0	55.8	51.5	51.5	51.5
87.5°	153.1	134.5	108.7	90.1	75.8	64.4	54.4	47.2	45.8	44.4	44.4
90°	133.1	115.9	93.0	77.3	64.4	54.4	45.8	40.1	38.6	37.2	37.2
92.5°	118.8	103.0	84.4	70.1	58.7	48.6	42.9	37.2	35.8	35.8	34.3
95°	103.0	90.1	74.4	63.0	52.9	45.8	40.1	35.8	34.3	34.3	32.9
97.5°	88.7	77.3	65.8	57.2	48.6	42.9	37.2	34.3	31.5	31.5	31.5
100°	74.4	65.8	57.2	48.6	44.4	38.6	34.3	31.5	30.0	28.6	28.6
102.5°	60.1	54.4	47.2	42.9	37.2	32.9	30.0	27.2	25.8	25.8	25.8
105°	51.5	47.2	42.9	38.6	34.3	30.0	27.2	24.3	22.9	22.9	22.9
107.5°	47.2	44.4	40.1	35.8	32.9	28.6	25.8	21.5	20.0	21.5	21.5
110°	45.8	42.9	38.6	35.8	31.5	28.6	25.8	20.0	18.6	20.0	20.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	45.8	42.9	40.1	35.8	32.9	28.6	25.8	20.0	18.6	18.6	18.6
115°	47.2	45.8	41.5	38.6	34.3	30.0	25.8	20.0	18.6	18.6	18.6
117.5°	52.9	50.1	45.8	41.5	37.2	31.5	27.2	20.0	18.6	18.6	18.6
120°	58.7	55.8	51.5	45.8	40.1	34.3	28.6	20.0	17.2	18.6	18.6
122.5°	68.7	64.4	58.7	51.5	44.4	37.2	28.6	21.5	15.7	18.6	18.6
125°	81.6	75.8	67.2	57.2	48.6	40.1	30.0	21.5	17.2	18.6	18.6
127.5°	95.9	88.7	77.3	64.4	52.9	41.5	31.5	21.5	17.2	17.2	18.6
130°	114.5	103.0	87.3	71.5	57.2	44.4	31.5	21.5	17.2	17.2	17.2
132.5°	130.2	115.9	95.9	77.3	60.1	45.8	31.5	21.5	15.7	15.7	15.7
135°	145.9	127.3	103.0	81.6	63.0	45.8	31.5	20.0	15.7	15.7	15.7
137.5°	158.8	134.5	108.7	83.0	63.0	44.4	30.0	18.6	14.3	14.3	14.3
140°	166.0	138.8	110.2	83.0	60.1	42.9	27.2	17.2	12.9	12.9	12.9
142.5°	166.0	137.4	108.7	80.1	57.2	40.1	24.3	14.3	11.4	11.4	11.4
145°	160.3	131.6	103.0	75.8	52.9	35.8	21.5	12.9	8.6	8.6	10.0
147.5°	150.2	121.6	94.4	68.7	47.2	30.0	18.6	10.0	7.2	7.2	7.2
150°	133.1	107.3	81.6	60.1	40.1	25.8	15.7	8.6	5.7	5.7	5.7
152.5°	111.6	88.7	68.7	50.1	32.9	20.0	11.4	7.2	4.3	4.3	4.3
155°	88.7	70.1	54.4	38.6	24.3	15.7	8.6	5.7	4.3	4.3	4.3
157.5°	65.8	52.9	40.1	28.6	18.6	11.4	7.2	4.3	2.9	2.9	2.9
160°	45.8	37.2	27.2	18.6	11.4	7.2	4.3	2.9	1.4	1.4	1.4
162.5°	30.0	22.9	17.2	11.4	7.2	4.3	2.9	1.4	1.4	1.4	1.4
165°	14.3	11.4	8.6	5.7	2.9	2.9	1.4	1.4	0.0	0.0	0.0
167.5°	4.3	2.9	1.4	1.4	1.4	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)