

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: P691222

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3568 lumens
Efficiency: N/A
Efficacy: 109.1 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): 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



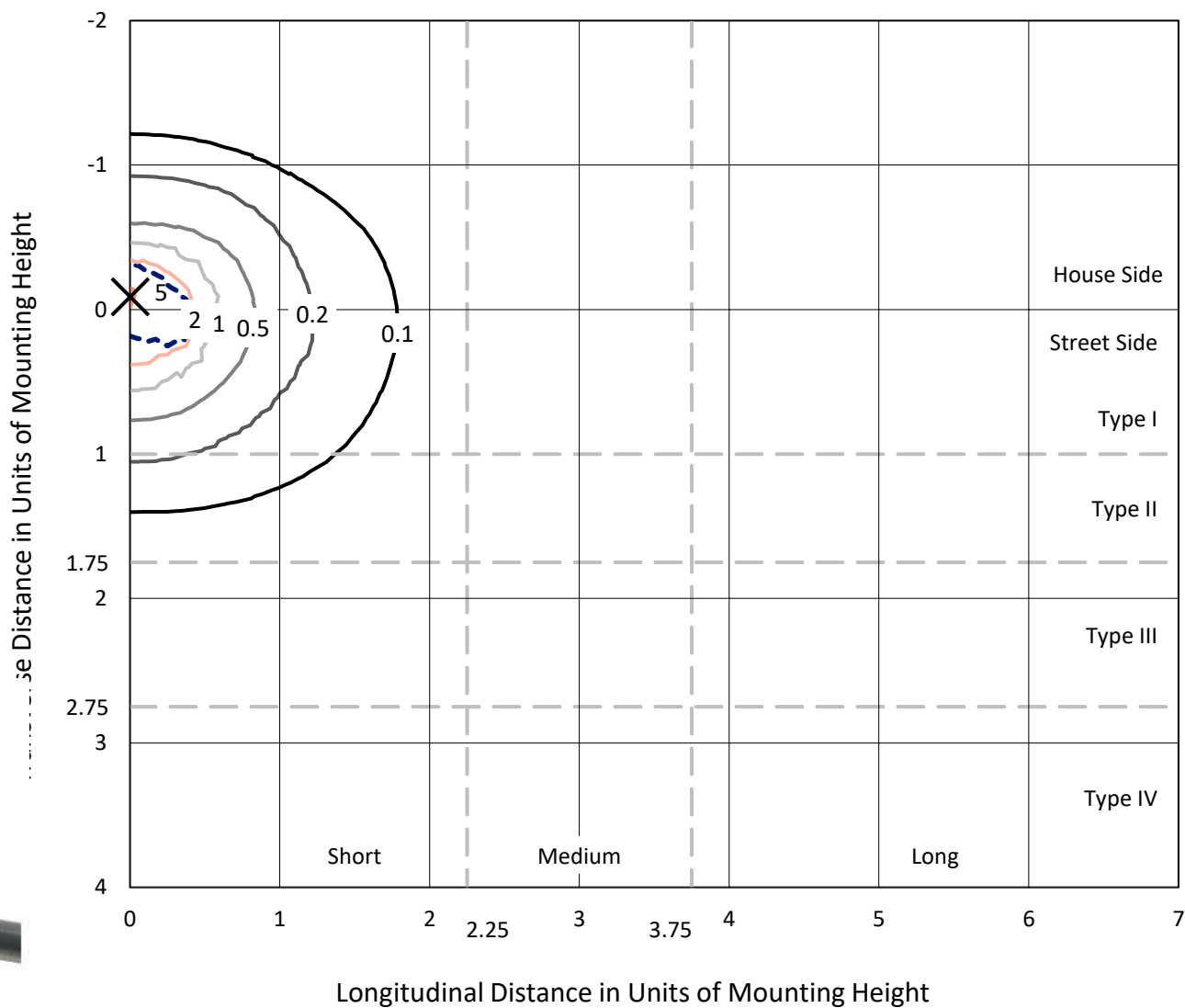
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

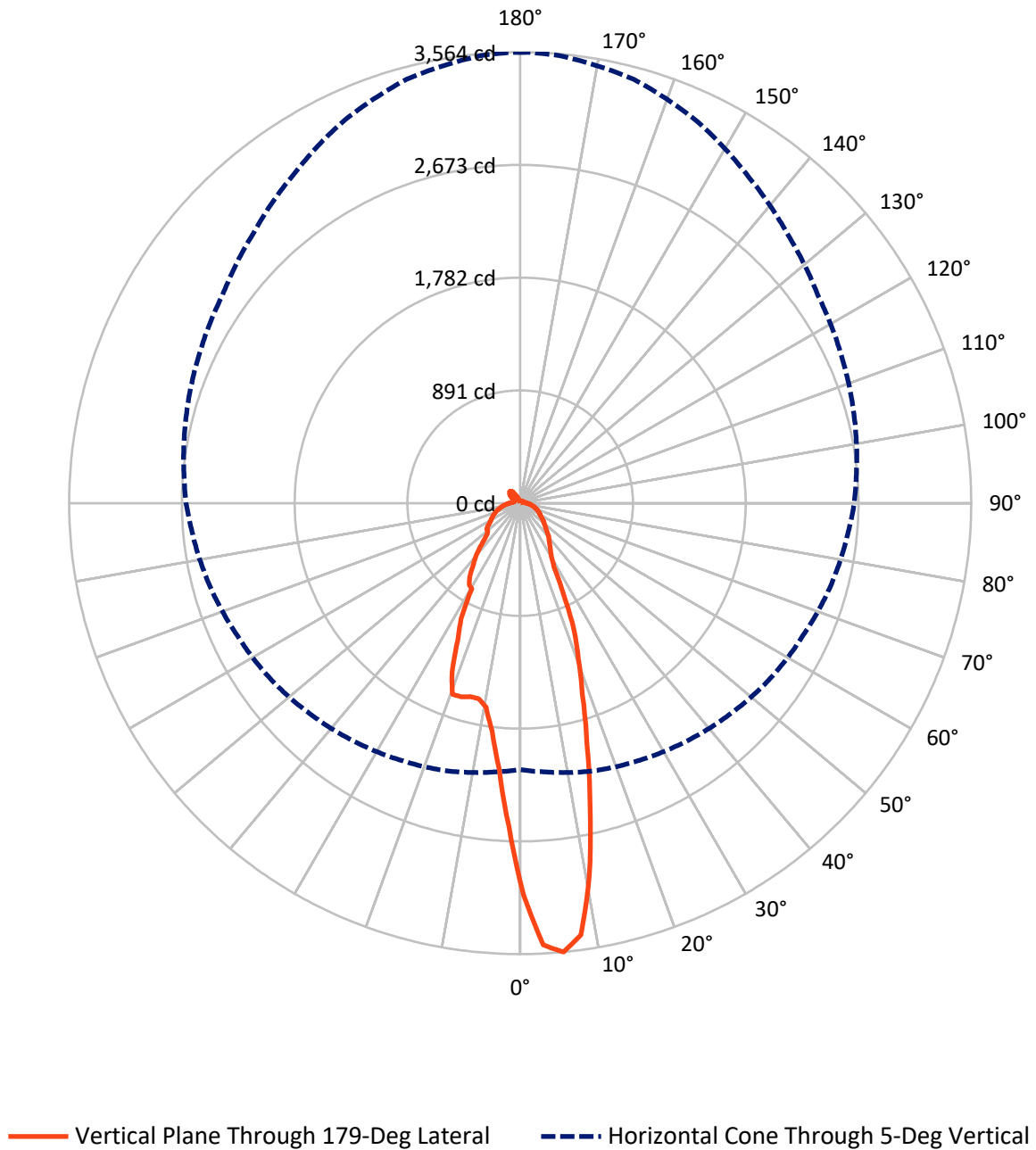


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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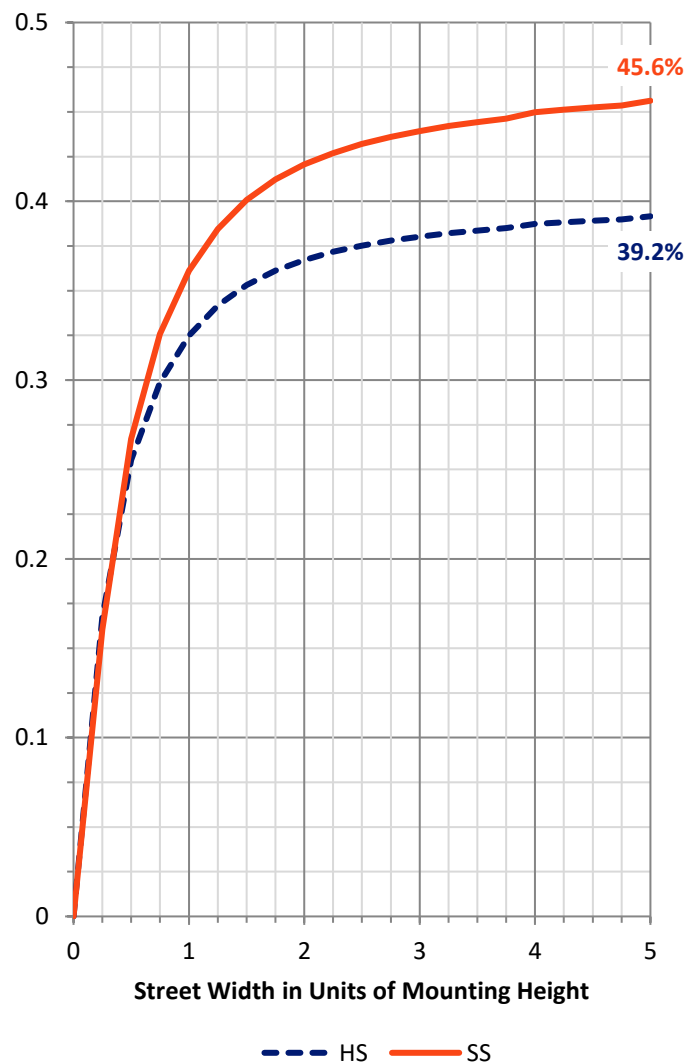
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1435.8	174.6	1610.4
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1666.5	291.1	1957.6
	% Fixture	46.7	8.2	54.9
Total	Lumens	3102.3	465.7	3568.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	6.8
10°-20°	516.4	14.5
20°-30°	561.0	15.7
30°-40°	415.3	11.6
40°-50°	347.8	9.7
50°-60°	349.6	9.8
60°-70°	297.7	8.3
70°-80°	222.4	6.2
80°-90°	150.1	4.2
90°-100°	89.7	2.5
100°-110°	51.8	1.5
110°-120°	47.7	1.3
120°-130°	69.0	1.9
130°-140°	94.4	2.6
140°-150°	77.8	2.2
150°-160°	31.3	0.9
160°-170°	3.9	0.1
170°-180°	0.0	0.0
0°-90°	3102.3	86.9
0°-180°	3568.0	100.0

Coefficient of Utilization



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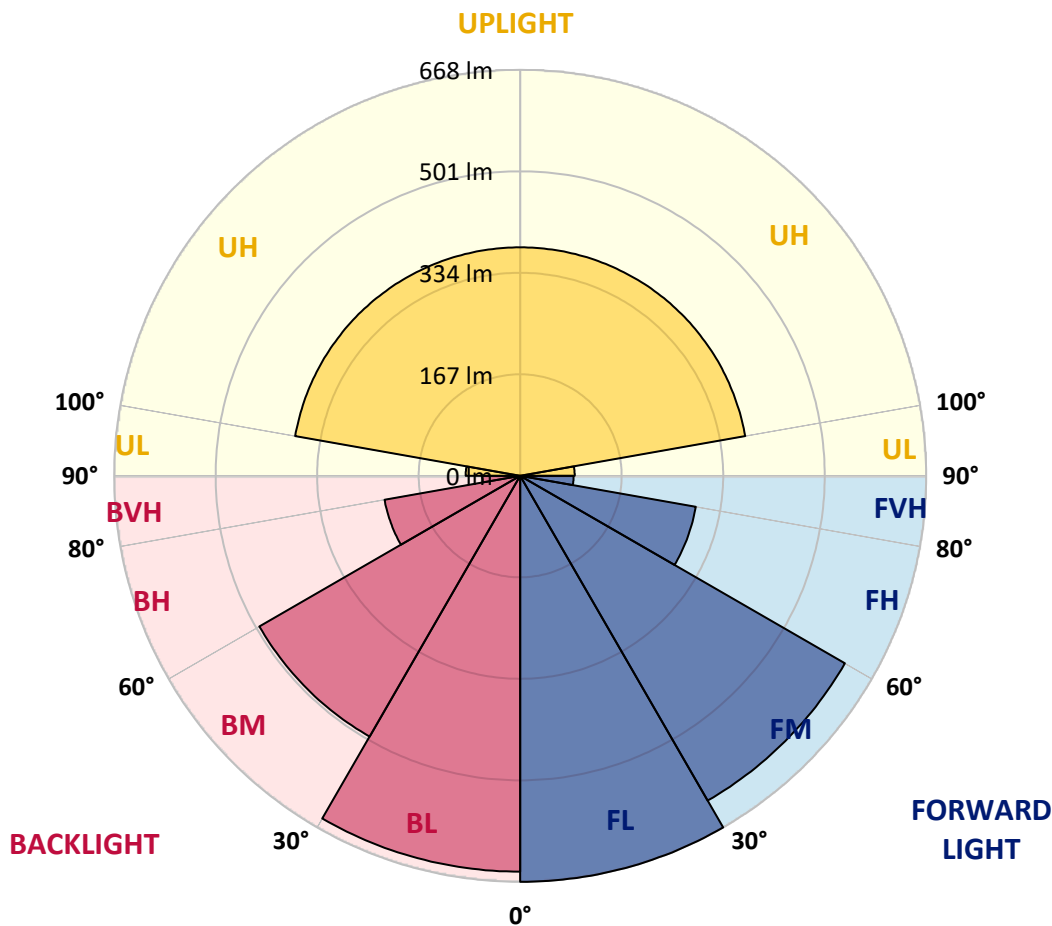
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	668.1	18.7			
FM	(30°-60°)	617.0	17.3			
FH	(60°-80°)	293.5	8.2			G0/660
FVH	(80°-90°)	87.9	2.5			G1/100
BL	(0°-30°)	651.4	18.3	B2/1000		
BM	(30°-60°)	495.6	13.9	B1/1000		
BH	(60°-80°)	226.5	6.3	B1/500		G1/500
BVH	(80°-90°)	62.2	1.7			G1/100
UL	(90°-100°)	89.7	2.5		U3/500	
UH	(100°-180°)	376.0	10.5		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°	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1
2.5°	2552.5	2566.8	2598.2	2614.0	2629.7	2649.7	2679.8	2702.7	2755.6	2804.3	2824.3
5°	2106.1	2131.8	2191.9	2240.6	2294.9	2352.2	2413.7	2468.0	2538.2	2602.5	2639.7
7.5°	1809.9	1831.4	1902.9	1997.3	2093.2	2173.3	2236.3	2277.8	2309.2	2335.0	2362.2
10°	1629.6	1648.2	1719.8	1804.2	1885.7	1960.1	2013.1	2053.1	2064.6	2090.3	2103.2
12.5°	1578.1	1586.7	1636.8	1695.4	1745.5	1818.5	1881.4	1924.4	1943.0	1965.9	1973.0
15°	1579.5	1579.5	1608.2	1645.4	1691.1	1746.9	1817.1	1868.6	1895.7	1908.6	1907.2
17.5°	1601.0	1599.6	1612.5	1642.5	1681.1	1736.9	1808.5	1861.4	1892.9	1897.2	1892.9
20°	1601.0	1602.4	1606.7	1641.1	1678.3	1728.3	1801.3	1845.7	1870.0	1857.1	1842.8
22.5°	1437.9	1436.5	1473.7	1546.6	1646.8	1751.2	1817.1	1871.4	1877.1	1829.9	1791.3
25°	1187.5	1177.5	1199.0	1231.9	1299.1	1420.7	1558.1	1764.1	1887.2	1860.0	1801.3
27.5°	1030.1	1017.3	1035.9	1021.6	1014.4	1005.8	997.2	972.9	988.6	1003.0	1065.9
30°	776.9	779.8	784.1	792.6	809.8	844.1	879.9	901.4	920.0	957.2	952.9
32.5°	759.7	758.3	759.7	768.3	776.9	798.4	819.8	831.3	845.6	881.3	872.8
35°	702.5	699.6	709.7	713.9	712.5	718.2	739.7	752.6	765.5	788.3	779.8
37.5°	618.1	620.9	642.4	653.9	658.1	671.0	688.2	699.6	715.4	732.5	728.3
40°	555.1	553.7	576.6	592.3	602.3	622.4	648.1	665.3	691.1	705.4	695.3
42.5°	477.9	483.6	500.8	516.5	519.4	529.4	552.3	572.3	603.8	625.2	619.5
45°	402.0	406.3	420.6	433.5	443.5	456.4	473.6	490.7	516.5	533.7	532.2
47.5°	354.8	359.1	370.6	386.3	400.6	419.2	436.4	453.5	477.9	490.7	486.5
50°	336.2	339.1	352.0	369.1	390.6	413.5	436.4	455.0	477.9	486.5	479.3
52.5°	334.8	334.8	350.5	376.3	406.3	437.8	467.9	493.6	515.1	515.1	500.8
55°	314.8	317.6	337.7	372.0	417.8	469.3	522.2	570.9	599.5	593.8	566.6
57.5°	286.2	287.6	309.0	341.9	390.6	453.5	525.1	586.6	620.9	628.1	599.5
60°	269.0	270.4	284.7	316.2	357.7	407.8	473.6	522.2	556.6	578.0	555.1
62.5°	254.7	254.7	269.0	290.4	324.8	362.0	399.2	432.1	459.3	475.0	462.1
65°	238.9	238.9	249.0	269.0	296.2	331.9	360.5	384.9	409.2	420.6	409.2
67.5°	223.2	223.2	233.2	251.8	276.1	306.2	334.8	357.7	382.0	390.6	382.0
70°	207.5	207.5	217.5	233.2	256.1	284.7	306.2	330.5	353.4	359.1	352.0
72.5°	191.7	191.7	201.7	216.0	236.1	263.3	283.3	301.9	323.3	327.6	320.5
75°	177.4	177.4	184.6	198.9	217.5	241.8	261.8	279.0	296.2	296.2	290.4
77.5°	161.7	163.1	168.8	181.7	198.9	221.8	240.4	256.1	270.4	270.4	263.3
80°	145.9	147.4	153.1	164.5	180.3	201.7	218.9	233.2	246.1	246.1	238.9
82.5°	130.2	131.6	137.4	147.4	161.7	181.7	198.9	213.2	224.6	223.2	216.0
85°	115.9	117.3	121.6	130.2	143.1	163.1	178.8	191.7	201.7	200.3	194.6
87.5°	101.6	103.0	107.3	114.5	125.9	144.5	160.2	171.7	180.3	178.8	173.1
90°	88.7	88.7	93.0	100.2	110.2	125.9	140.2	150.2	158.8	156.0	150.2
92.5°	77.3	78.7	81.6	87.3	95.9	110.2	123.0	131.6	140.2	138.8	133.1
95°	68.7	68.7	71.5	75.8	83.0	94.4	107.3	114.5	120.2	120.2	115.9
97.5°	60.1	61.5	63.0	65.8	71.5	80.1	90.1	97.3	101.6	101.6	98.7
100°	54.4	55.8	55.8	58.7	61.5	67.2	74.4	80.1	84.4	84.4	83.0
102.5°	51.5	51.5	51.5	52.9	54.4	57.2	61.5	64.4	67.2	68.7	67.2
105°	48.6	48.6	48.6	50.1	50.1	52.9	54.4	57.2	58.7	58.7	57.2
107.5°	47.2	47.2	48.6	48.6	48.6	50.1	52.9	52.9	54.4	52.9	52.9
110°	48.6	48.6	48.6	48.6	48.6	50.1	51.5	51.5	51.5	51.5	50.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.1	50.1	50.1	50.1	51.5	51.5	51.5	52.9	52.9	51.5	51.5
115°	54.4	54.4	54.4	54.4	54.4	55.8	55.8	55.8	55.8	54.4	52.9
117.5°	58.7	58.7	58.7	60.1	60.1	61.5	60.1	61.5	60.1	58.7	58.7
120°	65.8	65.8	67.2	68.7	70.1	70.1	68.7	70.1	70.1	67.2	65.8
122.5°	74.4	74.4	75.8	80.1	81.6	83.0	81.6	81.6	81.6	78.7	77.3
125°	83.0	84.4	87.3	93.0	97.3	100.2	97.3	98.7	98.7	94.4	93.0
127.5°	93.0	94.4	100.2	108.7	115.9	118.8	117.3	118.8	120.2	113.0	110.2
130°	103.0	103.0	111.6	124.5	134.5	138.8	140.2	141.6	143.1	135.9	130.2
132.5°	111.6	111.6	123.0	138.8	151.7	158.8	161.7	164.5	167.4	157.4	150.2
135°	117.3	118.8	133.1	151.7	167.4	177.4	181.7	184.6	188.9	177.4	168.8
137.5°	121.6	124.5	138.8	158.8	176.0	190.3	198.9	203.2	206.0	194.6	183.1
140°	123.0	124.5	140.2	160.2	177.4	193.2	206.0	213.2	214.6	203.2	191.7
142.5°	118.8	121.6	135.9	156.0	173.1	190.3	204.6	211.8	213.2	203.2	191.7
145°	113.0	114.5	127.3	145.9	163.1	181.7	197.4	204.6	204.6	196.0	184.6
147.5°	103.0	104.4	115.9	131.6	148.8	167.4	183.1	190.3	191.7	183.1	173.1
150°	88.7	90.1	98.7	111.6	128.8	147.4	161.7	170.3	170.3	161.7	154.5
152.5°	71.5	73.0	80.1	90.1	104.4	121.6	134.5	143.1	143.1	137.4	128.8
155°	55.8	55.8	61.5	70.1	80.1	93.0	103.0	110.2	111.6	105.9	100.2
157.5°	40.1	40.1	44.4	51.5	60.1	70.1	77.3	83.0	83.0	78.7	75.8
160°	27.2	27.2	30.0	34.3	40.1	47.2	52.9	58.7	58.7	55.8	52.9
162.5°	14.3	14.3	17.2	20.0	24.3	30.0	32.9	37.2	37.2	35.8	34.3
165°	4.3	4.3	5.7	7.2	10.0	12.9	14.3	17.2	18.6	17.2	15.7
167.5°	0.0	0.0	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	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°	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1	3096.1
2.5°	2845.8	2935.9	3017.5	3101.9	3206.3	3297.9	3396.6	3466.7	3496.8	3496.8	3508.2
5°	2666.9	2729.9	2795.7	2870.1	2994.6	3147.7	3323.6	3468.1	3551.1	3564.0	3562.6
7.5°	2370.8	2413.7	2480.9	2563.9	2678.4	2815.7	3041.8	3267.8	3418.1	3445.2	3435.2
10°	2110.4	2150.4	2190.5	2222.0	2303.5	2412.2	2578.2	2798.5	2971.7	2998.9	2977.4
12.5°	1977.3	1990.2	1988.7	2007.3	2040.2	2094.6	2179.0	2306.4	2425.1	2450.9	2432.3
15°	1907.2	1888.6	1860.0	1827.1	1824.2	1832.8	1854.3	1905.8	1955.8	1977.3	1963.0
17.5°	1878.6	1834.2	1775.6	1711.2	1668.3	1628.2	1601.0	1583.8	1591.0	1592.4	1581.0
20°	1811.3	1758.4	1664.0	1572.4	1503.7	1433.6	1373.5	1329.2	1322.0	1314.9	1306.3
22.5°	1735.5	1645.4	1532.3	1420.7	1319.2	1226.2	1158.9	1106.0	1085.9	1093.1	1088.8
25°	1719.8	1569.5	1432.2	1251.9	1123.1	1018.7	892.8	806.9	768.3	789.8	775.5
27.5°	1031.6	1035.9	958.6	849.9	756.9	695.3	639.5	593.8	568.0	568.0	570.9
30°	934.3	892.8	841.3	774.0	692.5	631.0	569.4	519.4	492.2	485.0	487.9
32.5°	854.2	825.5	776.9	712.5	638.1	575.2	510.8	465.0	439.2	437.8	436.4
35°	768.3	738.3	698.2	642.4	578.0	519.4	463.6	423.5	400.6	402.0	402.0
37.5°	709.7	682.5	646.7	593.8	535.1	476.4	426.4	389.2	370.6	370.6	369.1
40°	679.6	648.1	609.5	560.9	506.5	445.0	397.7	362.0	346.2	346.2	344.8
42.5°	613.8	586.6	560.9	510.8	456.4	406.3	362.0	330.5	314.8	314.8	314.8
45°	520.8	505.1	485.0	450.7	406.3	364.8	327.6	297.6	284.7	283.3	283.3
47.5°	480.7	463.6	439.2	407.8	372.0	333.4	297.6	276.1	263.3	263.3	263.3
50°	469.3	449.3	416.3	379.1	341.9	307.6	276.1	256.1	244.7	244.7	246.1
52.5°	485.0	452.1	407.8	362.0	323.3	284.7	257.5	237.5	228.9	228.9	227.5
55°	539.4	477.9	413.5	357.7	309.0	267.6	238.9	217.5	207.5	207.5	207.5
57.5°	569.4	496.5	417.8	352.0	296.2	254.7	224.6	201.7	191.7	191.7	191.7
60°	535.1	475.0	400.6	340.5	286.2	243.2	211.8	190.3	180.3	178.8	177.4
62.5°	447.8	410.6	357.7	307.6	264.7	227.5	201.7	180.3	170.3	170.3	168.8
65°	399.2	367.7	321.9	279.0	243.2	211.8	187.4	170.3	160.2	158.8	158.8
67.5°	372.0	343.4	297.6	257.5	224.6	196.0	173.1	157.4	150.2	147.4	147.4
70°	341.9	310.5	270.4	234.6	204.6	178.8	160.2	144.5	137.4	135.9	134.5
72.5°	311.9	283.3	246.1	211.8	184.6	163.1	145.9	131.6	124.5	123.0	123.0
75°	280.4	253.2	217.5	188.9	166.0	145.9	130.2	118.8	113.0	111.6	110.2
77.5°	254.7	230.4	196.0	168.8	147.4	131.6	117.3	107.3	101.6	101.6	100.2
80°	230.4	207.5	174.6	150.2	131.6	115.9	104.4	95.9	91.6	90.1	90.1
82.5°	207.5	184.6	154.5	133.1	115.9	103.0	91.6	84.4	80.1	80.1	80.1
85°	186.0	164.5	137.4	117.3	101.6	90.1	80.1	73.0	70.1	68.7	70.1
87.5°	164.5	144.5	121.6	103.0	88.7	77.3	68.7	63.0	60.1	60.1	60.1
90°	144.5	125.9	104.4	87.3	75.8	65.8	58.7	52.9	51.5	50.1	50.1
92.5°	127.3	111.6	93.0	78.7	67.2	60.1	52.9	48.6	45.8	45.8	45.8
95°	111.6	97.3	83.0	70.1	61.5	54.4	48.6	44.4	42.9	42.9	42.9
97.5°	95.9	84.4	73.0	63.0	55.8	50.1	44.4	41.5	40.1	38.6	40.1
100°	80.1	71.5	63.0	55.8	50.1	44.4	40.1	37.2	35.8	35.8	35.8
102.5°	64.4	60.1	52.9	47.2	42.9	40.1	35.8	32.9	31.5	31.5	31.5
105°	55.8	51.5	47.2	42.9	40.1	35.8	32.9	30.0	28.6	28.6	28.6
107.5°	51.5	48.6	44.4	41.5	37.2	34.3	31.5	27.2	25.8	25.8	25.8
110°	50.1	47.2	44.4	40.1	37.2	34.3	31.5	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°	50.1	47.2	44.4	41.5	38.6	34.3	31.5	25.8	22.9	22.9	22.9
115°	52.9	50.1	47.2	44.4	40.1	35.8	32.9	25.8	22.9	22.9	22.9
117.5°	57.2	54.4	51.5	47.2	42.9	38.6	32.9	25.8	24.3	24.3	24.3
120°	64.4	61.5	57.2	52.9	47.2	41.5	35.8	27.2	22.9	24.3	24.3
122.5°	74.4	71.5	65.8	58.7	52.9	45.8	37.2	28.6	21.5	24.3	24.3
125°	88.7	84.4	75.8	67.2	58.7	50.1	40.1	30.0	22.9	25.8	25.8
127.5°	104.4	98.7	87.3	75.8	65.8	54.4	42.9	31.5	24.3	25.8	25.8
130°	123.0	113.0	98.7	84.4	71.5	58.7	45.8	32.9	25.8	25.8	25.8
132.5°	141.6	127.3	108.7	93.0	77.3	61.5	47.2	32.9	25.8	25.8	25.8
135°	157.4	140.2	118.8	98.7	80.1	63.0	48.6	32.9	25.8	25.8	25.8
137.5°	171.7	148.8	124.5	101.6	81.6	63.0	47.2	32.9	24.3	24.3	24.3
140°	178.8	153.1	127.3	101.6	80.1	61.5	44.4	30.0	22.9	22.9	22.9
142.5°	178.8	151.7	124.5	98.7	77.3	58.7	41.5	28.6	20.0	21.5	21.5
145°	173.1	145.9	118.8	93.0	71.5	52.9	37.2	24.3	18.6	18.6	18.6
147.5°	160.2	134.5	108.7	84.4	64.4	45.8	32.9	21.5	15.7	14.3	15.7
150°	143.1	118.8	94.4	73.0	54.4	38.6	27.2	17.2	12.9	12.9	12.9
152.5°	120.2	98.7	78.7	60.1	42.9	30.0	20.0	12.9	10.0	10.0	10.0
155°	94.4	77.3	61.5	45.8	32.9	22.9	15.7	10.0	7.2	7.2	7.2
157.5°	71.5	58.7	45.8	32.9	24.3	17.2	11.4	7.2	5.7	5.7	5.7
160°	50.1	40.1	31.5	22.9	15.7	11.4	7.2	4.3	2.9	2.9	2.9
162.5°	31.5	25.8	20.0	12.9	10.0	7.2	4.3	2.9	1.4	1.4	1.4
165°	14.3	12.9	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	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)