

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: P691282

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691282
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-C015-5TLD-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3803 lumens
Efficiency: N/A
Efficacy: 116.3 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): 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



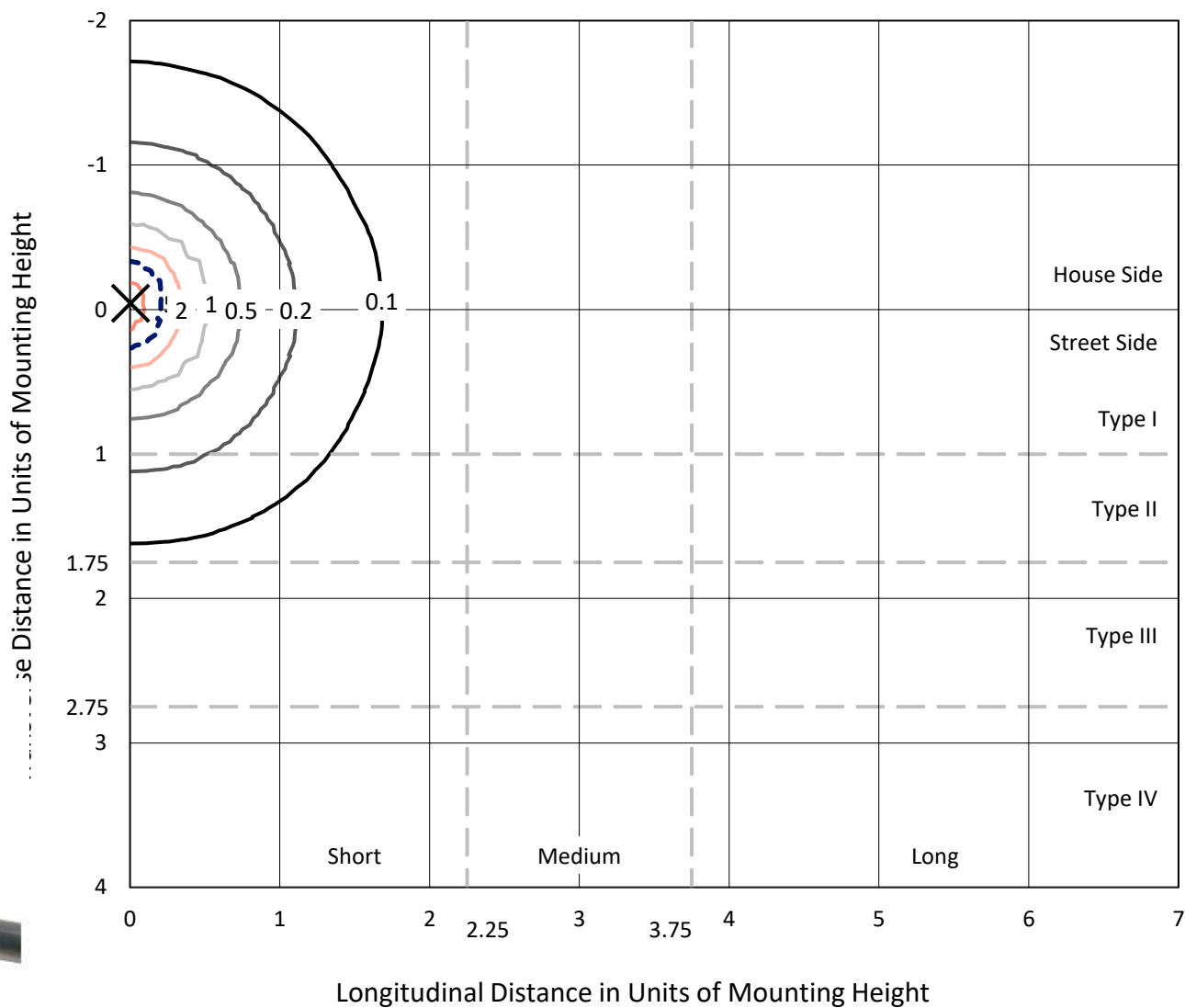
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

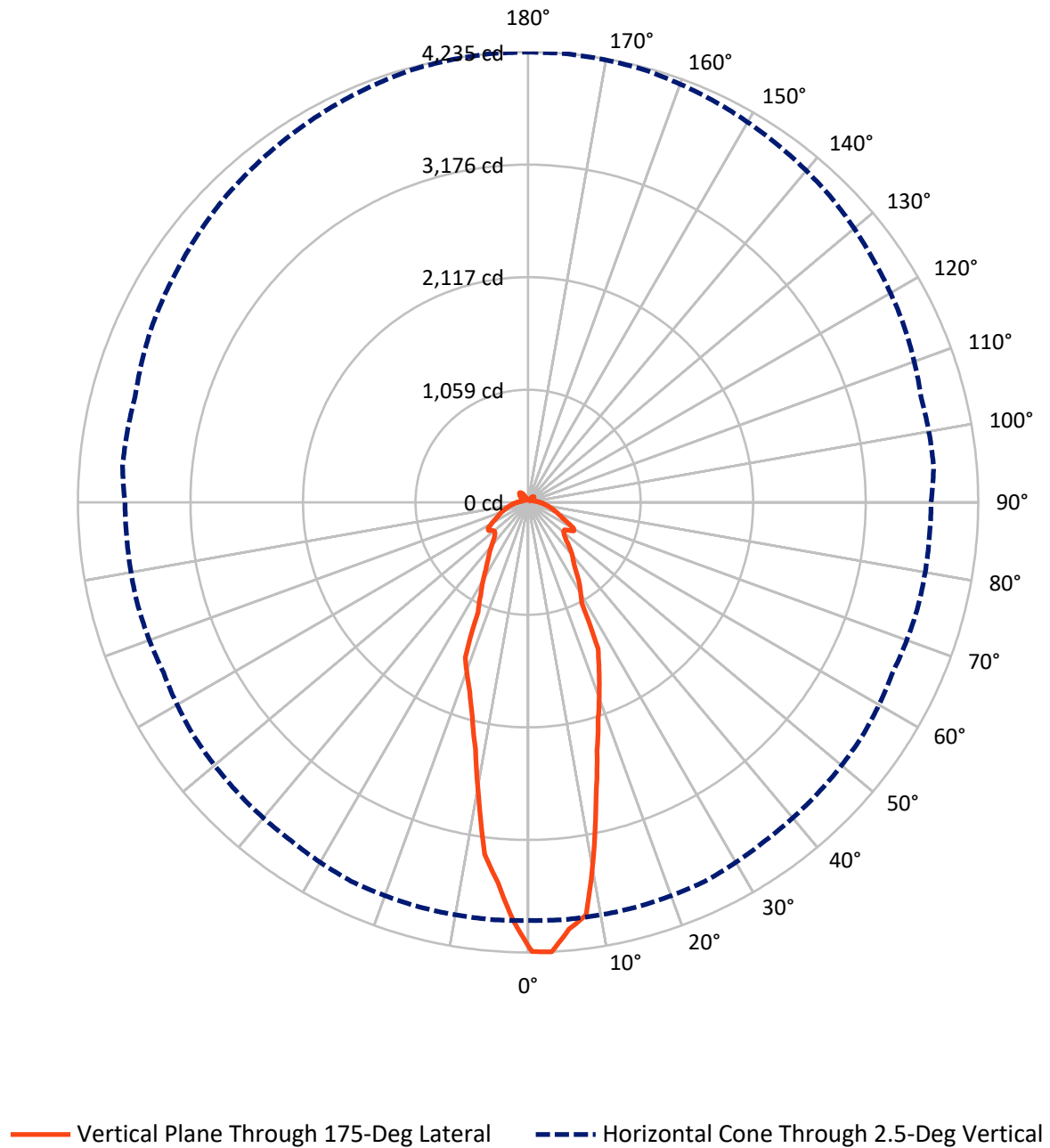


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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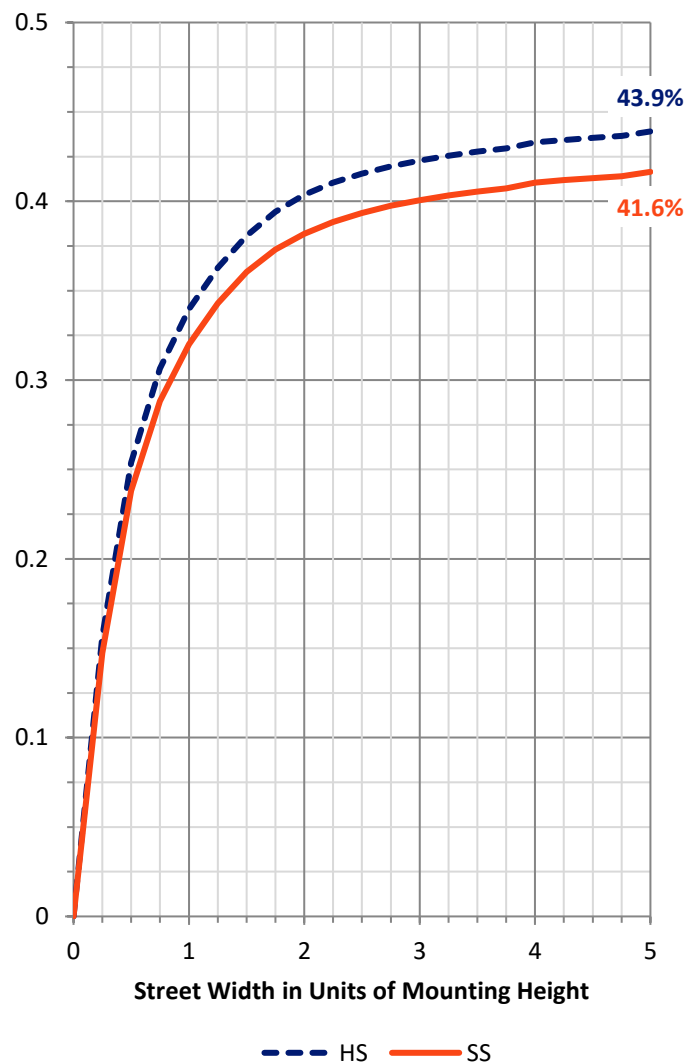
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1721.2	227.4	1948.6
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1621.1	233.4	1854.4
	% Fixture	42.6	6.1	48.8
Total	Lumens	3342.2	460.7	3803.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.6	8.3
10°-20°	552.2	14.5
20°-30°	547.6	14.4
30°-40°	422.1	11.1
40°-50°	361.9	9.5
50°-60°	404.7	10.6
60°-70°	346.8	9.1
70°-80°	238.6	6.3
80°-90°	153.6	4.0
90°-100°	92.0	2.4
100°-110°	54.8	1.4
110°-120°	50.7	1.3
120°-130°	72.3	1.9
130°-140°	93.5	2.5
140°-150°	69.2	1.8
150°-160°	25.3	0.7
160°-170°	2.9	0.1
170°-180°	0.0	0.0
0°-90°	3342.2	87.9
0°-180°	3803.0	100.0

Coefficient of Utilization



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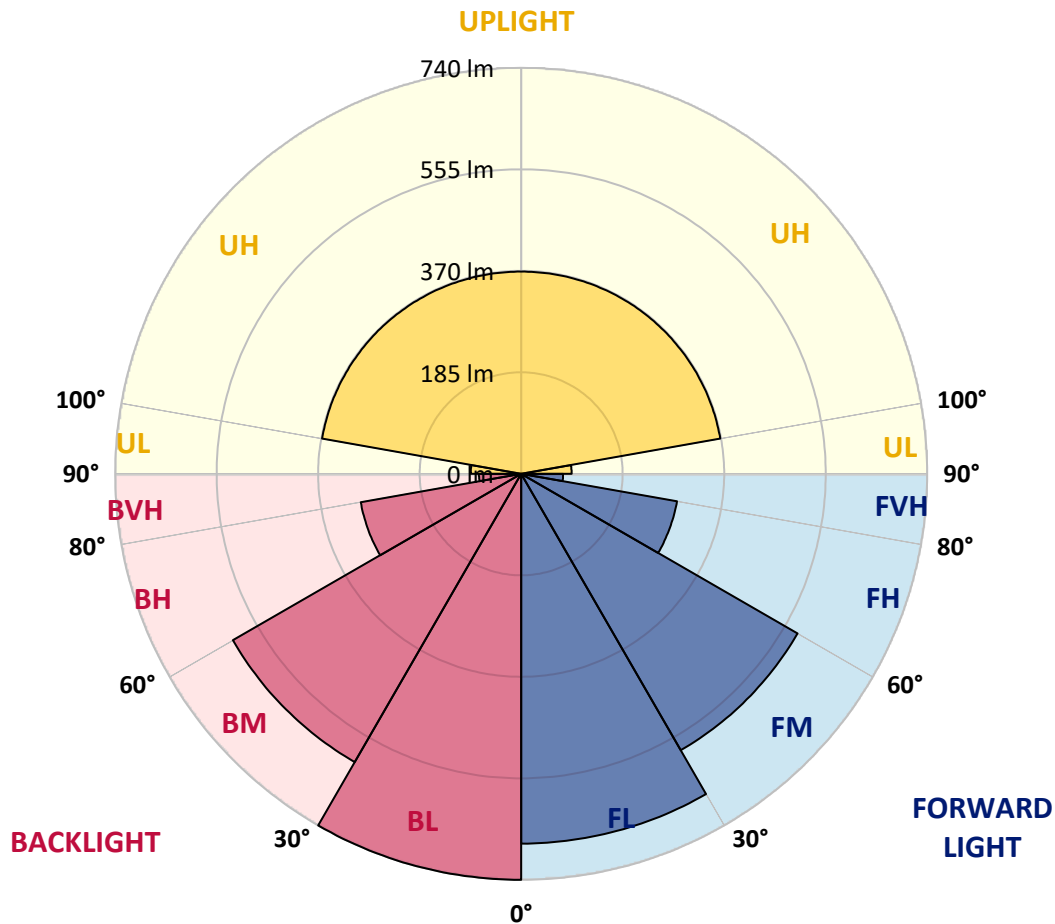
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	674.2	17.7			
FM	(30°-60°)	581.8	15.3			
FH	(60°-80°)	288.5	7.6			G0/660
FVH	(80°-90°)	76.6	2.0			G1/100
BL	(0°-30°)	740.3	19.5	B2/1000		
BM	(30°-60°)	606.9	16.0	B1/1000		
BH	(60°-80°)	296.9	7.8	B1/500		G0/660
BVH	(80°-90°)	77.0	2.0			G1/100
UL	(90°-100°)	92.0	2.4		U3/500	
UH	(100°-180°)	368.7	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°	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3
2.5°	3934.4	3940.1	3941.6	3934.4	3887.2	3862.9	3837.1	3785.6	3797.1	3789.9	3791.3
5°	3568.2	3591.0	3555.3	3545.3	3473.7	3420.8	3369.3	3313.5	3300.6	3277.7	3286.3
7.5°	3324.9	3337.8	3279.2	3219.1	3104.6	3023.1	2937.2	2851.4	2787.0	2762.7	2772.7
10°	2768.4	2811.3	2752.7	2691.1	2582.4	2485.1	2395.0	2310.6	2251.9	2233.3	2236.2
12.5°	2353.5	2377.8	2327.7	2286.3	2164.6	2071.6	1988.7	1910.0	1862.8	1842.7	1842.7
15°	2078.8	2088.8	2050.2	1970.1	1878.5	1794.1	1724.0	1666.8	1628.1	1621.0	1623.8
17.5°	1871.3	1871.3	1832.7	1769.8	1699.7	1625.3	1576.6	1533.7	1516.5	1522.3	1523.7
20°	1715.4	1716.8	1682.5	1621.0	1560.9	1493.6	1453.6	1423.5	1413.5	1423.5	1425.0
22.5°	1568.0	1575.2	1538.0	1492.2	1426.4	1373.5	1340.6	1307.7	1301.9	1306.2	1306.2
25°	1134.5	1134.5	1121.7	1085.9	1100.2	1105.9	1144.6	1227.5	1210.4	1226.1	1224.7
27.5°	978.6	984.3	958.6	927.1	894.2	855.6	848.4	841.2	834.1	867.0	878.4
30°	864.1	867.0	845.5	824.1	796.9	775.4	769.7	769.7	762.6	788.3	786.9
32.5°	755.4	751.1	745.4	725.4	708.2	689.6	693.9	691.0	691.0	713.9	715.3
35°	669.6	668.1	663.8	649.5	632.4	618.1	622.4	625.2	623.8	638.1	638.1
37.5°	606.6	608.0	605.2	599.5	582.3	570.8	573.7	570.8	575.1	585.2	585.2
40°	545.1	545.1	546.5	545.1	533.6	529.4	537.9	533.6	543.7	550.8	548.0
42.5°	486.4	487.9	490.7	487.9	480.7	476.4	480.7	482.1	496.5	506.5	505.0
45°	449.2	449.2	450.7	449.2	443.5	439.2	439.2	434.9	444.9	450.7	449.2
47.5°	424.9	424.9	427.8	426.3	423.5	419.2	416.3	410.6	414.9	419.2	414.9
50°	416.3	416.3	422.1	422.1	420.6	416.3	412.0	404.9	406.3	409.2	403.5
52.5°	429.2	429.2	439.2	443.5	443.5	436.4	430.6	420.6	420.6	423.5	414.9
55°	456.4	456.4	472.1	480.7	482.1	482.1	475.0	465.0	466.4	472.1	463.5
57.5°	446.4	447.8	460.7	472.1	479.3	483.6	483.6	477.9	482.1	496.5	492.2
60°	399.2	402.0	410.6	420.6	433.5	437.8	437.8	436.4	443.5	460.7	460.7
62.5°	354.8	356.2	360.5	369.1	376.3	379.1	379.1	373.4	382.0	390.6	387.7
65°	320.5	319.0	327.6	334.8	339.1	343.4	339.1	333.4	337.6	343.4	341.9
67.5°	291.9	291.9	299.0	304.7	307.6	311.9	309.0	306.2	311.9	314.8	311.9
70°	264.7	266.1	271.8	276.1	279.0	283.3	279.0	277.6	283.3	286.1	284.7
72.5°	237.5	238.9	243.2	248.9	251.8	253.2	251.8	250.4	254.7	257.5	257.5
75°	213.2	214.6	217.5	223.2	223.2	226.0	224.6	223.2	227.5	230.3	230.3
77.5°	190.3	193.1	194.6	198.9	200.3	201.7	200.3	200.3	203.2	206.0	207.5
80°	170.3	171.7	173.1	177.4	177.4	178.8	177.4	177.4	180.3	184.6	184.6
82.5°	151.7	153.1	154.5	157.4	155.9	157.4	157.4	157.4	160.2	164.5	164.5
85°	133.1	135.9	135.9	138.8	138.8	138.8	138.8	140.2	141.6	145.9	145.9
87.5°	117.3	118.7	120.2	121.6	121.6	123.0	123.0	124.5	125.9	128.8	130.2
90°	101.6	103.0	104.4	104.4	104.4	105.9	105.9	107.3	108.7	111.6	113.0
92.5°	90.1	91.6	91.6	93.0	93.0	93.0	94.4	95.9	97.3	100.1	100.1
95°	80.1	81.5	81.5	81.5	81.5	83.0	83.0	84.4	85.8	88.7	88.7
97.5°	71.5	71.5	71.5	71.5	71.5	73.0	73.0	74.4	75.8	77.3	77.3
100°	63.0	63.0	63.0	63.0	63.0	63.0	63.0	64.4	64.4	67.2	67.2
102.5°	55.8	55.8	54.4	54.4	54.4	52.9	52.9	54.4	54.4	55.8	55.8
105°	50.1	50.1	50.1	50.1	48.6	48.6	48.6	48.6	48.6	50.1	50.1
107.5°	48.6	48.6	47.2	47.2	47.2	45.8	45.8	45.8	45.8	47.2	47.2
110°	47.2	47.2	47.2	47.2	45.8	45.8	44.4	44.4	44.4	45.8	45.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.6	48.6	48.6	47.2	47.2	45.8	45.8	45.8	45.8	45.8	47.2
115°	51.5	50.1	50.1	50.1	50.1	48.6	47.2	47.2	48.6	48.6	48.6
117.5°	55.8	54.4	54.4	55.8	54.4	52.9	51.5	51.5	52.9	52.9	54.4
120°	61.5	60.1	61.5	61.5	61.5	60.1	58.7	57.2	58.7	60.1	60.1
122.5°	68.7	67.2	68.7	70.1	70.1	68.7	65.8	65.8	67.2	68.7	70.1
125°	77.3	77.3	78.7	80.1	81.5	78.7	77.3	75.8	78.7	80.1	80.1
127.5°	87.3	85.8	88.7	93.0	94.4	91.6	88.7	87.3	90.1	93.0	93.0
130°	97.3	95.9	100.1	104.4	107.3	104.4	101.6	100.1	103.0	105.9	105.9
132.5°	105.9	104.4	110.2	115.9	118.7	117.3	114.5	111.6	115.9	118.7	117.3
135°	113.0	113.0	120.2	125.9	128.8	127.3	124.5	121.6	127.3	130.2	127.3
137.5°	117.3	117.3	125.9	131.6	134.5	134.5	133.1	130.2	135.9	137.3	133.1
140°	117.3	118.7	125.9	131.6	133.1	134.5	134.5	133.1	138.8	138.8	134.5
142.5°	113.0	114.5	121.6	127.3	128.8	130.2	131.6	130.2	134.5	134.5	131.6
145°	105.9	107.3	114.5	120.2	120.2	121.6	124.5	123.0	125.9	127.3	124.5
147.5°	95.9	97.3	103.0	105.9	107.3	110.2	113.0	113.0	114.5	115.9	114.5
150°	83.0	83.0	87.3	90.1	91.6	94.4	97.3	98.7	98.7	100.1	98.7
152.5°	65.8	65.8	68.7	71.5	73.0	77.3	78.7	80.1	81.5	83.0	81.5
155°	50.1	50.1	51.5	52.9	54.4	58.7	60.1	61.5	63.0	64.4	63.0
157.5°	35.8	35.8	37.2	38.6	40.1	42.9	44.4	45.8	45.8	47.2	47.2
160°	22.9	24.3	24.3	25.8	25.8	28.6	30.0	30.0	31.5	32.9	32.9
162.5°	11.4	12.9	12.9	14.3	15.7	17.2	18.6	18.6	20.0	20.0	20.0
165°	2.9	4.3	4.3	5.7	5.7	7.2	8.6	8.6	10.0	10.0	10.0
167.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.4	1.4	1.4	1.4
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°	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3	4226.3
2.5°	3830.0	3827.1	3905.8	3968.7	4043.1	4101.8	4159.0	4213.4	4234.9	4233.4	4234.9
5°	3324.9	3375.0	3478.0	3579.6	3699.8	3812.8	3918.7	3988.8	4033.1	4033.1	4037.4
7.5°	2818.5	2898.6	3025.9	3187.6	3367.9	3515.2	3694.1	3820.0	3920.1	3917.2	3935.8
10°	2276.2	2339.2	2466.5	2639.6	2838.5	3008.8	3164.7	3282.0	3379.3	3373.6	3397.9
12.5°	1869.9	1914.3	2024.4	2181.8	2363.5	2528.0	2681.1	2772.7	2841.4	2839.9	2852.8
15°	1631.0	1676.8	1748.3	1857.0	2007.3	2153.2	2306.3	2389.3	2427.9	2423.6	2445.1
17.5°	1533.7	1552.3	1596.7	1669.6	1778.4	1897.1	2018.7	2090.2	2134.6	2128.9	2144.6
20°	1429.3	1446.4	1476.5	1530.8	1608.1	1698.2	1801.2	1879.9	1912.8	1911.4	1921.4
22.5°	1309.1	1317.7	1350.6	1393.5	1449.3	1522.3	1600.9	1672.5	1705.4	1704.0	1714.0
25°	1226.1	1240.4	1260.4	1286.2	1324.8	1382.1	1447.9	1497.9	1528.0	1525.1	1538.0
27.5°	895.6	909.9	919.9	935.7	937.1	984.3	1007.2	1048.7	1075.9	1074.5	1083.0
30°	786.9	789.7	798.3	819.8	832.7	869.9	915.6	947.1	970.0	978.6	984.3
32.5°	718.2	726.8	736.8	746.8	762.6	785.5	821.2	849.8	874.2	878.4	888.5
35°	639.5	645.2	652.4	662.4	672.4	691.0	718.2	741.1	759.7	766.9	772.6
37.5°	583.7	585.2	592.3	603.8	612.3	628.1	652.4	669.6	688.2	689.6	695.3
40°	546.5	548.0	555.1	565.1	575.1	585.2	606.6	622.4	635.2	636.7	641.0
42.5°	503.6	507.9	510.8	515.1	522.2	530.8	549.4	558.0	566.6	568.0	573.7
45°	444.9	446.4	449.2	453.5	462.1	470.7	483.6	493.6	499.3	499.3	497.9
47.5°	412.0	413.5	413.5	419.2	426.3	434.9	446.4	455.0	457.8	457.8	457.8
50°	400.6	400.6	397.7	402.0	409.2	414.9	426.3	433.5	434.9	436.4	437.8
52.5°	409.2	406.3	397.7	402.0	409.2	414.9	426.3	429.2	429.2	432.1	433.5
55°	456.4	452.1	434.9	437.8	446.4	453.5	462.1	463.5	466.4	470.7	469.3
57.5°	486.4	489.3	469.3	473.6	489.3	495.0	505.0	503.6	509.3	515.1	516.5
60°	457.8	466.4	450.7	456.4	475.0	477.9	487.9	482.1	490.7	490.7	490.7
62.5°	389.1	392.0	383.4	392.0	409.2	409.2	416.3	412.0	414.9	412.0	413.5
65°	340.5	339.1	329.1	340.5	346.2	349.1	354.8	356.2	356.2	353.4	353.4
67.5°	310.5	307.6	299.0	301.9	307.6	309.0	317.6	319.0	317.6	317.6	319.0
70°	283.3	279.0	270.4	271.8	276.1	277.6	284.7	287.6	286.1	284.7	286.1
72.5°	256.1	251.8	243.2	243.2	247.5	250.4	256.1	259.0	256.1	256.1	257.5
75°	230.3	226.0	217.5	217.5	220.3	221.8	228.9	230.3	228.9	227.5	228.9
77.5°	207.5	204.6	196.0	196.0	197.4	198.9	203.2	204.6	203.2	201.7	203.2
80°	186.0	181.7	176.0	174.5	176.0	176.0	180.3	181.7	178.8	178.8	180.3
82.5°	166.0	161.7	155.9	155.9	154.5	155.9	158.8	160.2	158.8	157.4	158.8
85°	147.4	144.5	138.8	137.3	137.3	137.3	140.2	140.2	138.8	138.8	138.8
87.5°	130.2	127.3	121.6	121.6	120.2	121.6	123.0	123.0	121.6	121.6	121.6
90°	113.0	110.2	105.9	105.9	104.4	105.9	107.3	107.3	105.9	105.9	105.9
92.5°	100.1	98.7	94.4	94.4	93.0	94.4	94.4	94.4	93.0	93.0	93.0
95°	88.7	87.3	84.4	83.0	83.0	83.0	83.0	83.0	81.5	81.5	81.5
97.5°	77.3	75.8	73.0	73.0	71.5	73.0	73.0	73.0	71.5	71.5	71.5
100°	67.2	65.8	64.4	64.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0
102.5°	55.8	55.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
105°	50.1	50.1	50.1	50.1	51.5	51.5	51.5	50.1	50.1	50.1	50.1
107.5°	47.2	47.2	47.2	48.6	48.6	48.6	50.1	47.2	45.8	45.8	45.8
110°	45.8	45.8	47.2	47.2	48.6	48.6	50.1	44.4	42.9	42.9	42.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	47.2	47.2	47.2	48.6	50.1	50.1	51.5	44.4	42.9	42.9	42.9
115°	50.1	50.1	50.1	51.5	52.9	54.4	54.4	47.2	44.4	44.4	45.8
117.5°	54.4	54.4	54.4	55.8	58.7	58.7	58.7	50.1	48.6	48.6	48.6
120°	60.1	61.5	61.5	63.0	65.8	67.2	64.4	57.2	48.6	52.9	52.9
122.5°	68.7	70.1	71.5	73.0	77.3	77.3	73.0	65.8	52.9	58.7	60.1
125°	80.1	81.5	83.0	85.8	90.1	90.1	84.4	74.4	60.1	65.8	67.2
127.5°	91.6	94.4	95.9	100.1	105.9	105.9	98.7	85.8	67.2	71.5	73.0
130°	104.4	107.3	110.2	115.9	123.0	120.2	114.5	97.3	73.0	75.8	75.8
132.5°	115.9	120.2	121.6	130.2	137.3	134.5	127.3	104.4	75.8	75.8	74.4
135°	124.5	127.3	128.8	137.3	144.5	140.2	131.6	107.3	74.4	71.5	71.5
137.5°	130.2	133.1	134.5	140.2	145.9	138.8	127.3	101.6	71.5	70.1	68.7
140°	133.1	133.1	133.1	137.3	140.2	131.6	117.3	91.6	64.4	67.2	67.2
142.5°	130.2	128.8	127.3	130.2	131.6	121.6	108.7	81.5	58.7	61.5	61.5
145°	123.0	120.2	118.7	120.2	120.2	108.7	94.4	70.1	51.5	52.9	52.9
147.5°	113.0	108.7	105.9	105.9	104.4	93.0	80.1	58.7	44.4	42.9	42.9
150°	97.3	93.0	90.1	90.1	85.8	75.8	64.4	45.8	35.8	35.8	35.8
152.5°	80.1	75.8	73.0	73.0	68.7	58.7	48.6	34.3	27.2	27.2	27.2
155°	63.0	58.7	55.8	54.4	51.5	44.4	35.8	25.8	20.0	20.0	20.0
157.5°	47.2	44.4	41.5	40.1	37.2	32.9	25.8	18.6	12.9	14.3	14.3
160°	32.9	30.0	28.6	27.2	25.8	21.5	17.2	11.4	7.2	7.2	7.2
162.5°	20.0	18.6	18.6	17.2	15.7	14.3	10.0	5.7	2.9	2.9	2.9
165°	10.0	10.0	8.6	8.6	7.2	5.7	4.3	1.4	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
170°	1.4	1.4	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)