

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: P691024

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3508 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 23.2
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



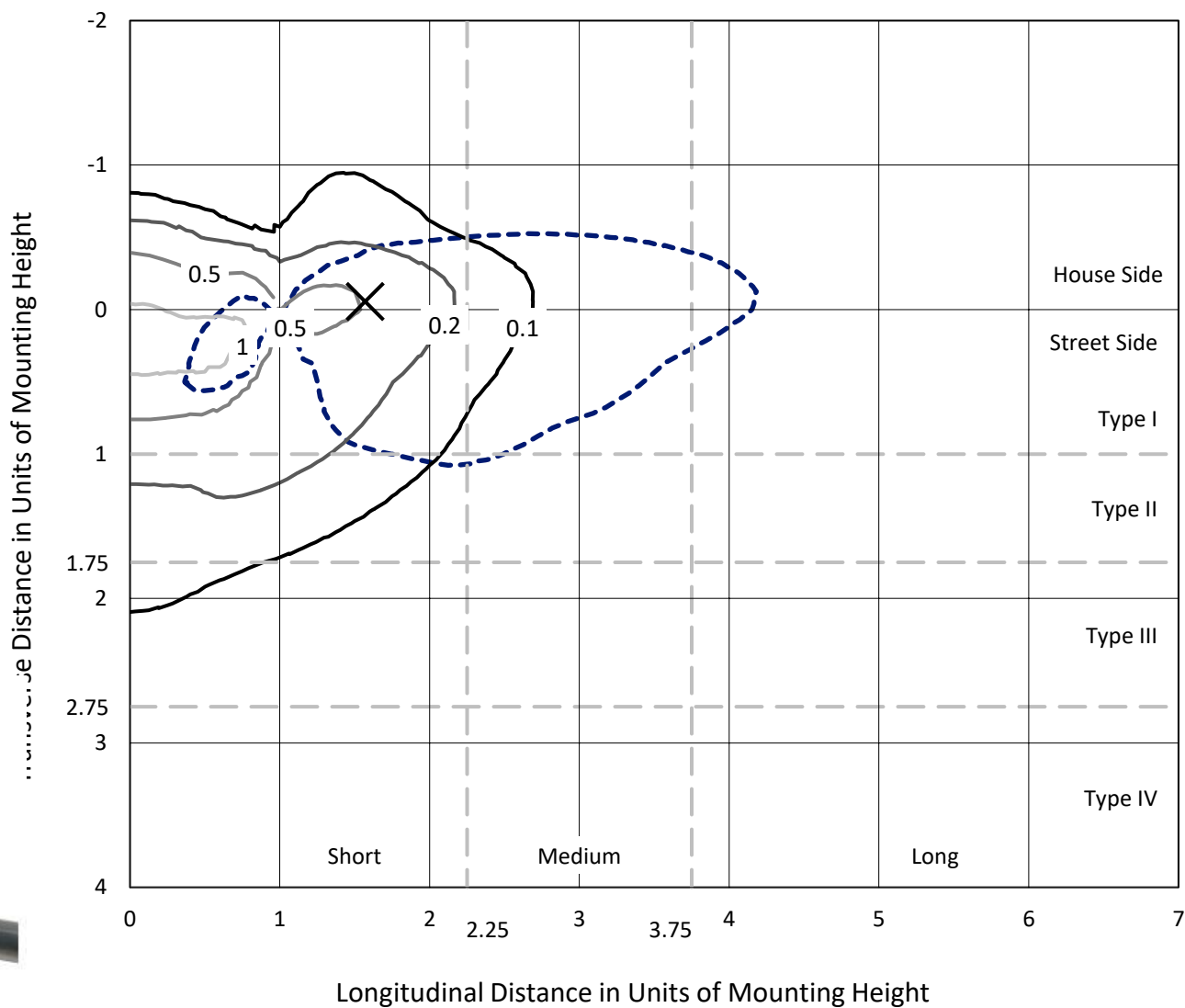
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

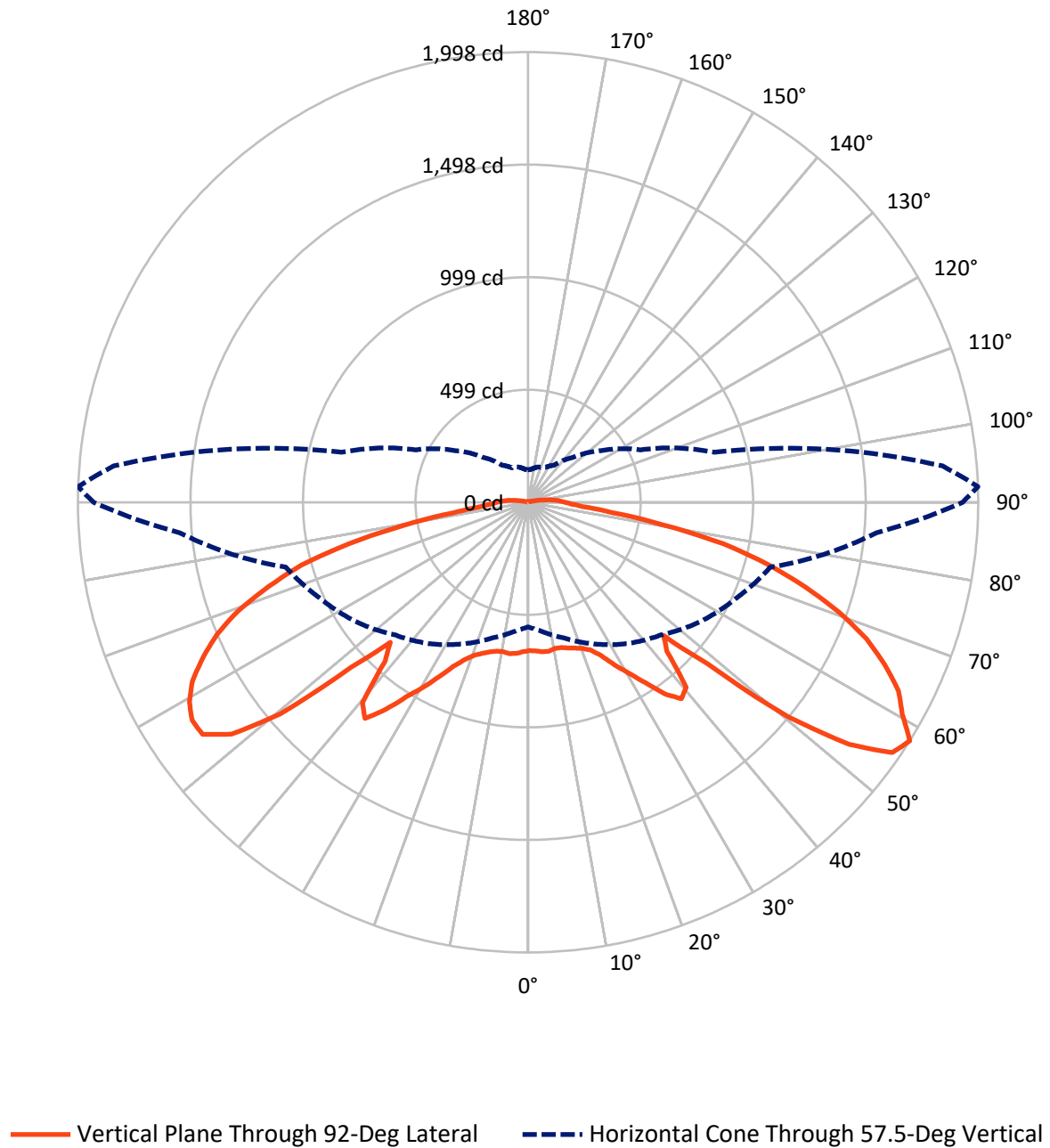


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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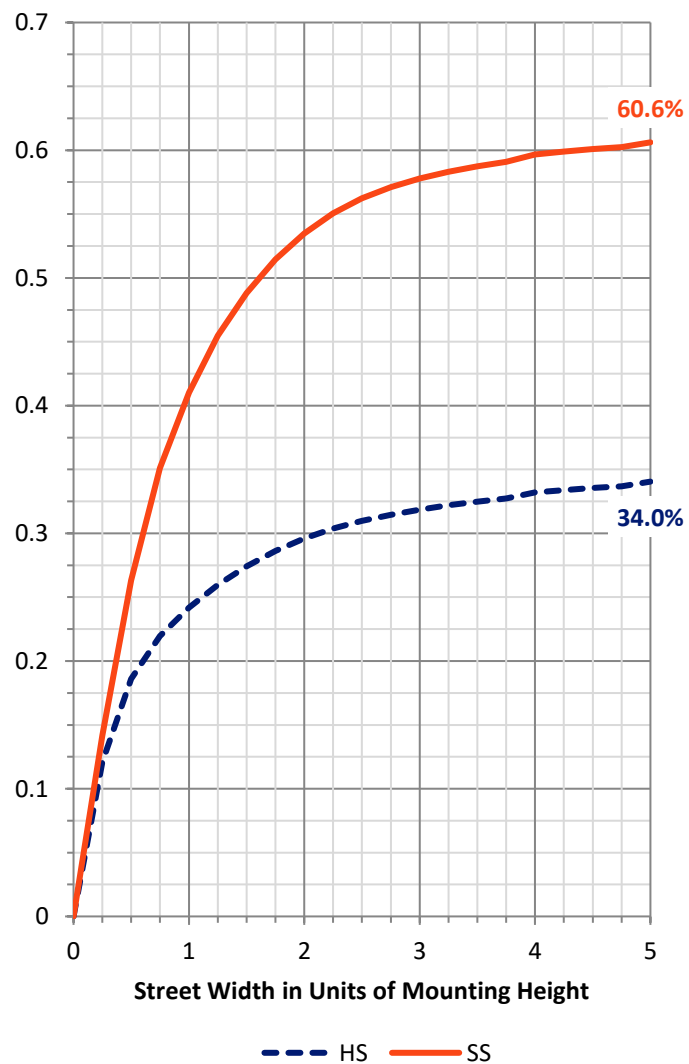
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1251.7	54.7	1306.4
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2157.0	44.6	2201.6
	% Fixture	61.5	1.3	62.8
Total	Lumens	3408.7	99.3	3508.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.8
10°-20°	185.9	5.3
20°-30°	308.3	8.8
30°-40°	426.7	12.2
40°-50°	398.4	11.4
50°-60°	595.4	17.0
60°-70°	707.2	20.2
70°-80°	519.0	14.8
80°-90°	204.6	5.8
90°-100°	72.1	2.1
100°-110°	17.0	0.5
110°-120°	6.6	0.2
120°-130°	3.3	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3408.7	97.2
0°-180°	3508.0	100.0

Coefficient of Utilization



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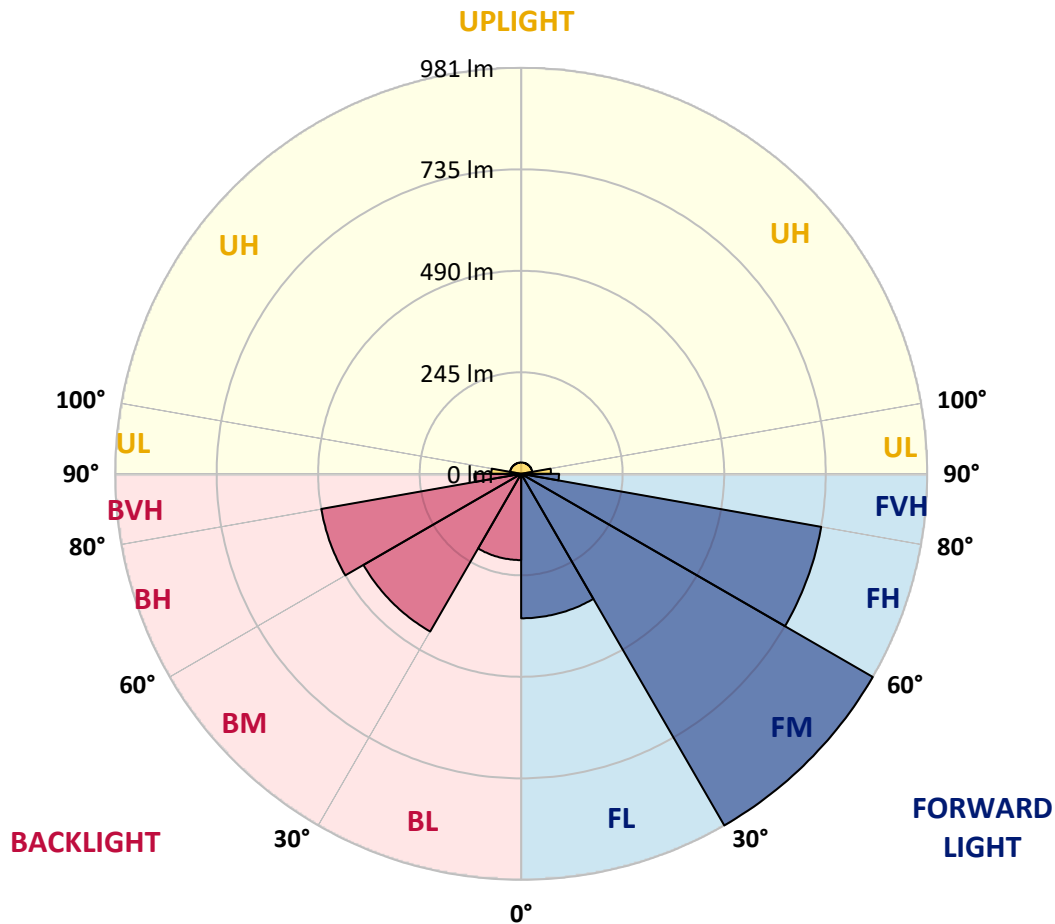
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.0	9.9			
FM	(30°-60°)	980.6	28.0			
FH	(60°-80°)	735.9	21.0			G1/1800
FVH	(80°-90°)	91.5	2.6			G1/100
BL	(0°-30°)	208.4	5.9	B1/500		
BM	(30°-60°)	439.9	12.5	B1/1000		
BH	(60°-80°)	490.3	14.0	B1/500		G1/500
BVH	(80°-90°)	113.2	3.2			G2/225
UL	(90°-100°)	72.1	2.1		U3/500	
UH	(100°-180°)	27.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
2.5°	686.4	681.7	682.9	681.7	679.3	676.9	674.6	672.2	668.7	665.1	662.8
5°	726.6	721.8	721.8	721.8	717.1	710.0	700.6	694.7	686.4	676.9	669.9
7.5°	753.7	750.2	749.0	747.8	741.9	737.2	726.6	707.7	694.7	682.9	672.2
10°	763.2	763.2	762.0	758.5	752.6	746.6	739.6	721.8	700.6	680.5	666.3
12.5°	780.9	783.3	779.7	773.8	771.5	764.4	753.7	739.6	715.9	685.2	668.7
15°	808.1	806.9	802.2	801.0	798.6	790.4	780.9	763.2	736.0	697.0	678.1
17.5°	819.9	818.7	818.7	818.7	818.7	812.8	811.6	791.5	763.2	715.9	692.3
20°	822.3	822.3	825.8	834.1	835.3	834.1	840.0	827.0	793.9	739.6	707.7
22.5°	837.6	838.8	844.7	853.0	858.9	861.2	866.0	871.9	841.2	777.4	737.2
25°	829.3	835.3	848.3	861.2	875.4	883.7	909.7	929.8	903.8	832.9	778.5
27.5°	815.2	819.9	845.9	869.5	901.4	935.7	973.5	999.5	984.1	901.4	844.7
30°	828.2	828.2	844.7	883.7	925.0	987.7	1043.2	1071.5	1064.4	973.5	921.5
32.5°	801.0	808.1	843.5	900.2	962.8	1044.4	1101.1	1154.2	1161.3	1066.8	982.9
35°	720.7	736.0	759.6	834.1	940.4	1082.2	1169.6	1236.9	1266.5	1173.1	1075.1
37.5°	595.4	601.3	651.0	725.4	851.8	992.4	1143.6	1307.8	1369.3	1253.5	1167.2
40°	525.7	529.3	561.2	626.1	732.5	870.7	998.3	1167.2	1215.7	1203.9	1122.3
42.5°	502.1	508.0	545.8	608.4	698.2	793.9	827.0	900.2	881.3	932.1	958.1
45°	530.5	534.0	561.2	615.5	672.2	713.6	689.9	741.9	767.9	868.3	874.2
47.5°	550.5	552.9	582.4	651.0	660.4	661.6	693.5	724.2	796.3	1013.6	1110.5
50°	472.6	484.4	541.1	600.2	604.9	698.2	789.2	850.6	939.2	1335.0	1520.5
52.5°	438.3	444.2	505.6	608.4	676.9	785.6	850.6	912.0	997.1	1474.4	1800.5
55°	480.8	490.3	563.5	678.1	746.6	821.1	902.6	978.2	1062.1	1546.5	1925.7
57.5°	552.9	570.6	623.8	693.5	765.6	832.9	927.4	1014.8	1112.9	1551.2	1928.1
60°	695.8	682.9	653.3	684.0	753.7	830.5	939.2	1032.5	1141.2	1550.0	1873.7
62.5°	793.9	775.0	676.9	662.8	727.7	805.7	913.2	1030.2	1135.3	1498.0	1812.3
65°	775.0	762.0	686.4	634.4	681.7	765.6	877.8	1016.0	1107.0	1442.5	1701.2
67.5°	668.7	653.3	621.4	601.3	625.0	723.0	844.7	987.7	1073.9	1378.7	1579.5
70°	545.8	537.5	526.9	548.2	577.7	669.9	784.5	926.2	1011.3	1257.0	1449.6
72.5°	463.1	458.4	445.4	467.8	517.5	600.2	695.8	837.6	933.3	1092.8	1288.9
75°	389.9	391.0	384.0	398.1	430.0	511.5	587.2	725.4	831.7	938.0	1115.2
77.5°	320.2	316.6	323.7	332.0	353.2	412.3	463.1	583.6	710.0	744.3	855.3
80°	233.9	239.8	252.8	251.6	269.4	295.4	329.6	393.4	498.6	532.8	575.3
82.5°	165.4	172.5	184.3	171.3	173.7	180.8	196.1	225.6	281.2	315.4	350.9
85°	117.0	120.5	122.9	113.4	113.4	118.1	128.8	150.0	184.3	205.6	224.5
87.5°	85.1	86.2	91.0	86.2	87.4	89.8	99.2	113.4	141.8	157.1	172.5
90°	65.0	65.0	67.3	66.2	68.5	73.2	82.7	94.5	115.8	134.7	148.9
92.5°	47.3	47.3	49.6	50.8	52.0	57.9	66.2	75.6	89.8	113.4	127.6
95°	36.6	36.6	39.0	39.0	40.2	44.9	52.0	61.4	72.1	88.6	101.6
97.5°	27.2	27.2	29.5	29.5	30.7	34.3	40.2	46.1	55.5	66.2	72.1
100°	21.3	21.3	22.4	22.4	23.6	27.2	30.7	34.3	36.6	42.5	44.9
102.5°	17.7	17.7	17.7	17.7	17.7	20.1	21.3	21.3	22.4	26.0	27.2
105°	14.2	14.2	14.2	13.0	13.0	14.2	14.2	14.2	15.4	15.4	16.5
107.5°	10.6	10.6	10.6	10.6	10.6	11.8	11.8	11.8	11.8	13.0	13.0
110°	9.5	9.5	9.5	9.5	9.5	9.5	10.6	10.6	10.6	10.6	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.3	8.3	8.3	8.3	8.3	8.3	9.5	9.5	9.5	9.5	9.5
115°	7.1	7.1	7.1	7.1	7.1	8.3	9.5	8.3	8.3	8.3	8.3
117.5°	5.9	5.9	5.9	7.1	7.1	7.1	8.3	7.1	7.1	7.1	8.3
120°	4.7	4.7	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1	7.1
122.5°	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9	5.9	5.9	7.1
125°	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9
127.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
130°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
2.5°	660.4	660.4	653.3	646.2	639.1	632.1	626.1	622.6	617.9	619.1	619.1
5°	666.3	662.8	647.4	638.0	627.3	617.9	608.4	600.2	597.8	596.6	591.9
7.5°	667.5	661.6	645.0	630.9	610.8	588.3	577.7	568.3	562.3	567.1	564.7
10°	659.2	652.1	633.2	612.0	583.6	564.7	548.2	538.7	534.0	535.2	534.0
12.5°	661.6	653.3	622.6	590.7	567.1	535.2	515.1	506.8	500.9	500.9	497.4
15°	671.0	656.9	613.2	580.1	541.1	513.9	490.3	484.4	482.0	479.7	476.1
17.5°	680.5	660.4	612.0	561.2	517.5	487.9	464.3	453.7	447.8	447.8	446.6
20°	692.3	667.5	604.9	541.1	495.0	456.0	427.7	418.2	413.5	412.3	409.9
22.5°	712.4	686.4	601.3	532.8	465.5	425.3	398.1	380.4	371.0	369.8	369.8
25°	752.6	720.7	608.4	510.4	445.4	393.4	360.3	342.6	332.0	332.0	330.8
27.5°	816.4	765.6	619.1	502.1	407.6	359.1	324.9	297.7	288.3	288.3	289.4
30°	879.0	834.1	646.2	484.4	386.3	314.3	272.9	252.8	241.0	236.3	237.5
32.5°	953.4	906.1	684.0	472.6	343.8	261.1	223.3	212.7	194.9	190.2	186.7
35°	1044.4	975.8	726.6	456.0	310.7	222.1	191.4	170.1	161.9	155.9	154.8
37.5°	1105.8	1045.5	764.4	459.6	264.6	200.8	166.6	144.1	135.9	137.0	137.0
40°	1079.8	1010.1	773.8	435.9	225.6	174.8	139.4	126.4	121.7	122.9	124.0
42.5°	902.6	866.0	640.3	389.9	186.7	140.6	117.0	117.0	120.5	117.0	117.0
45°	843.5	751.4	465.5	274.1	140.6	115.8	111.1	114.6	122.9	122.9	122.9
47.5°	1068.0	964.0	417.0	229.2	157.1	130.0	120.5	114.6	115.8	114.6	114.6
50°	1498.0	1335.0	560.0	285.9	190.2	154.8	137.0	125.2	125.2	122.9	120.5
52.5°	1783.9	1612.6	681.7	358.0	238.6	180.8	157.1	135.9	128.8	124.0	122.9
55°	1961.1	1831.2	786.8	458.4	310.7	215.0	174.8	152.4	141.8	132.3	131.1
57.5°	1997.8	1846.5	856.5	550.5	400.5	282.4	200.8	168.9	161.9	146.5	144.1
60°	1908.0	1807.6	883.7	610.8	478.5	372.1	262.3	196.1	180.8	170.1	167.8
62.5°	1845.4	1729.6	874.2	630.9	526.9	446.6	345.0	241.0	197.3	198.5	209.1
65°	1740.2	1662.2	804.5	601.3	524.5	471.4	387.5	278.8	203.2	200.8	213.8
67.5°	1619.7	1558.3	734.8	536.4	483.2	437.1	360.3	265.8	192.6	180.8	181.9
70°	1464.9	1413.0	664.0	499.7	445.4	387.5	313.1	230.4	190.2	171.3	171.3
72.5°	1286.6	1225.1	604.9	472.6	425.3	372.1	300.1	222.1	204.4	197.3	203.2
75°	1097.5	1019.6	558.8	446.6	411.1	372.1	298.9	222.1	204.4	198.5	198.5
77.5°	884.9	838.8	509.2	405.2	382.8	354.4	275.3	206.7	200.8	198.5	198.5
80°	612.0	604.9	414.7	352.1	346.2	335.5	258.7	199.7	199.7	196.1	191.4
82.5°	375.7	358.0	296.5	263.5	283.5	298.9	235.1	187.8	183.1	179.6	177.2
85°	243.4	244.6	207.9	184.3	196.1	228.0	198.5	170.1	163.0	165.4	165.4
87.5°	186.7	192.6	163.0	150.0	147.7	154.8	155.9	152.4	147.7	144.1	145.3
90°	160.7	163.0	131.1	120.5	119.3	121.7	121.7	128.8	128.8	117.0	109.9
92.5°	134.7	138.2	108.7	98.1	98.1	101.6	104.0	104.0	94.5	76.8	68.5
95°	106.3	108.7	86.2	78.0	79.2	79.2	78.0	74.4	57.9	34.3	30.7
97.5°	74.4	75.6	63.8	59.1	60.3	57.9	50.8	46.1	35.4	20.1	18.9
100°	47.3	48.4	40.2	39.0	42.5	37.8	33.1	30.7	21.3	13.0	15.4
102.5°	28.4	28.4	24.8	23.6	26.0	22.4	20.1	16.5	13.0	8.3	10.6
105°	16.5	16.5	15.4	15.4	15.4	14.2	13.0	10.6	7.1	5.9	5.9
107.5°	13.0	13.0	11.8	11.8	10.6	10.6	9.5	7.1	4.7	3.5	3.5
110°	10.6	10.6	9.5	9.5	9.5	8.3	7.1	5.9	3.5	2.4	2.4

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.5	9.5	8.3	8.3	7.1	7.1	5.9	4.7	3.5	2.4	2.4
115°	8.3	8.3	7.1	5.9	5.9	5.9	4.7	3.5	2.4	1.2	2.4
117.5°	8.3	8.3	5.9	4.7	4.7	4.7	3.5	3.5	2.4	1.2	1.2
120°	7.1	7.1	4.7	4.7	3.5	3.5	3.5	2.4	1.2	1.2	1.2
122.5°	5.9	5.9	4.7	3.5	3.5	3.5	2.4	2.4	1.2	1.2	1.2
125°	5.9	5.9	3.5	3.5	3.5	2.4	2.4	2.4	1.2	0.0	0.0
127.5°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	1.2	1.2	0.0	0.0
130°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	1.2	1.2	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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)