

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: P691912

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691912
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-C01H-D-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8586 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2
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



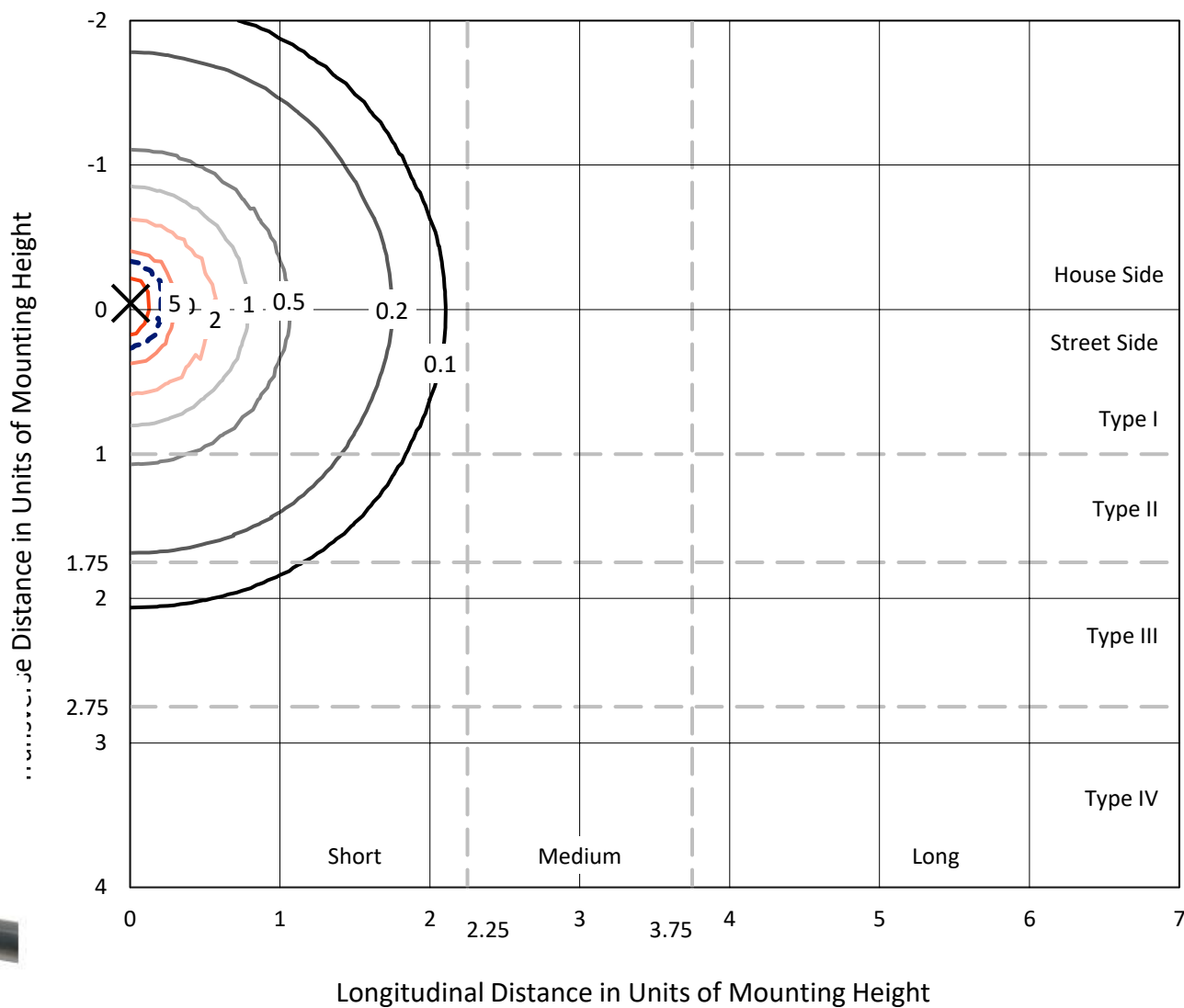
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

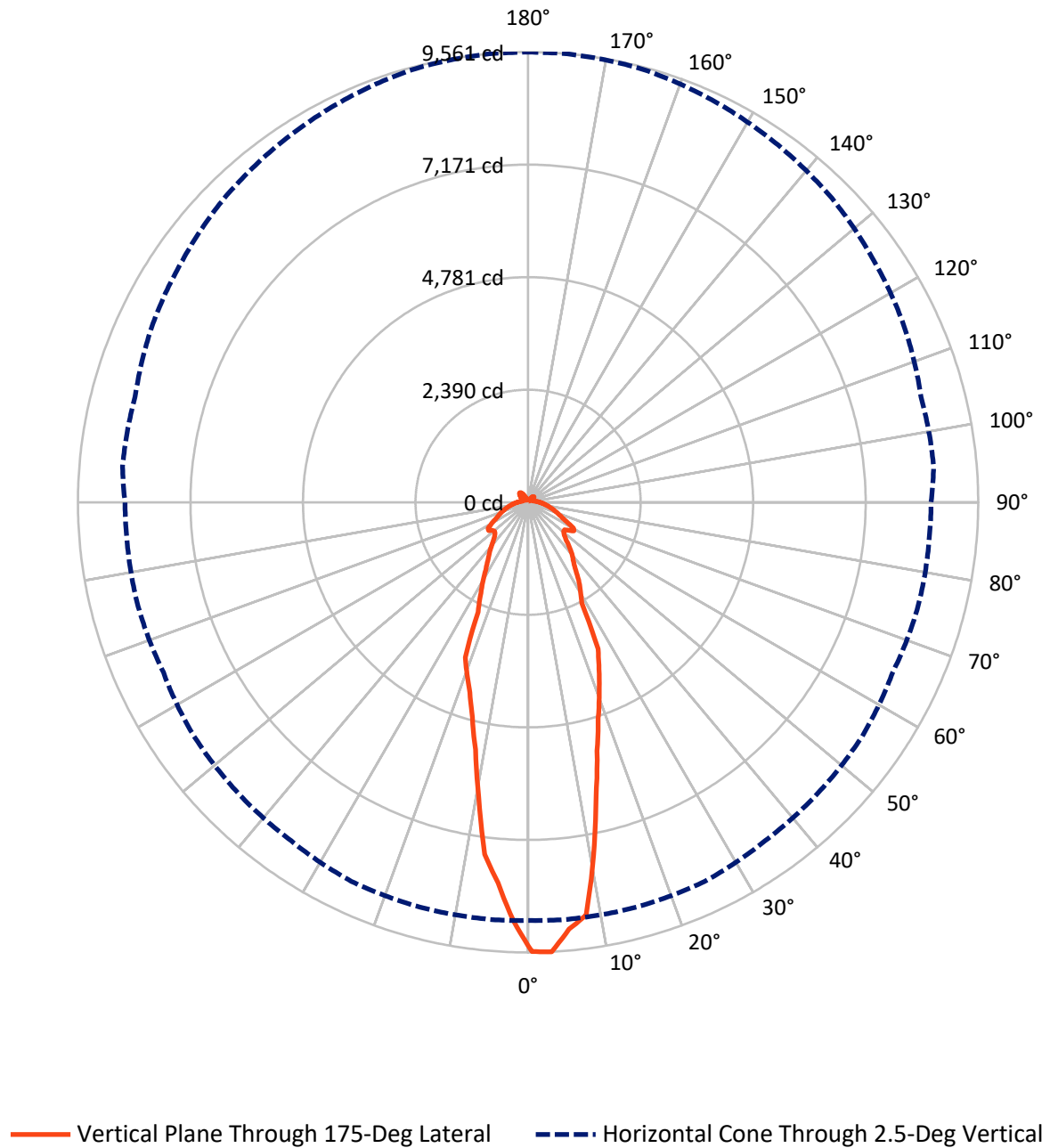


Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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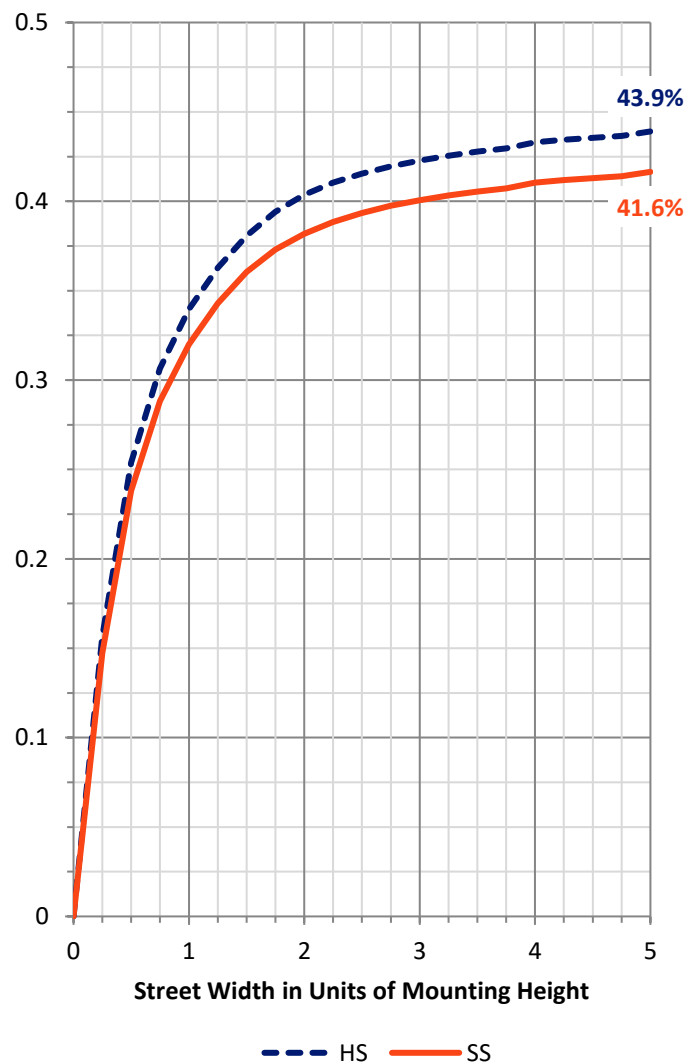
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3885.9	513.3	4399.2
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3659.9	526.9	4186.8
	% Fixture	42.6	6.1	48.8
Total	Lumens	7545.8	1040.2	8586.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.4	8.3
10°-20°	1246.8	14.5
20°-30°	1236.3	14.4
30°-40°	953.0	11.1
40°-50°	817.1	9.5
50°-60°	913.8	10.6
60°-70°	782.9	9.1
70°-80°	538.8	6.3
80°-90°	346.8	4.0
90°-100°	207.8	2.4
100°-110°	123.6	1.4
110°-120°	114.4	1.3
120°-130°	163.3	1.9
130°-140°	211.0	2.5
140°-150°	156.2	1.8
150°-160°	57.1	0.7
160°-170°	6.7	0.1
170°-180°	0.0	0.0
0°-90°	7545.8	87.9
0°-180°	8586.0	100.0

Coefficient of Utilization



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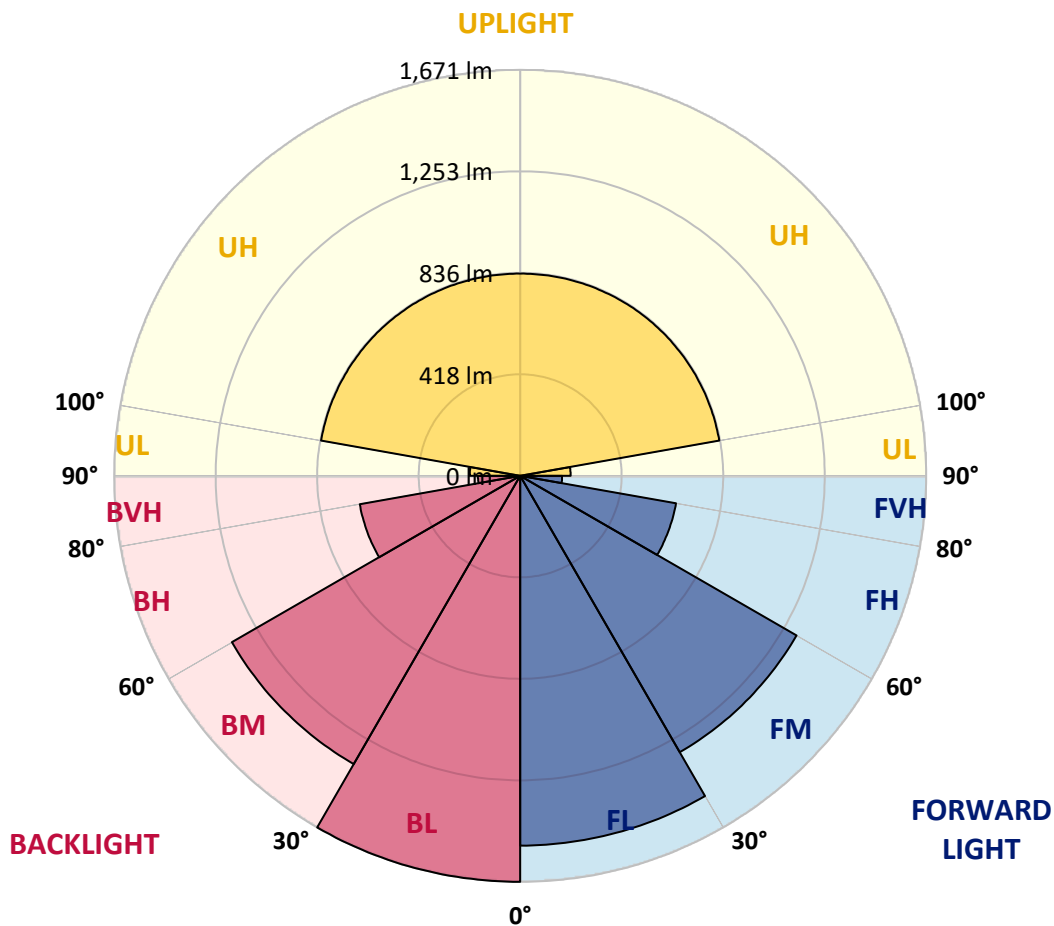
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1522.1	17.7			
FM	(30°-60°)	1313.6	15.3			
FH	(60°-80°)	651.3	7.6			G0/660
FVH	(80°-90°)	172.9	2.0			G2/225
BL	(0°-30°)	1671.3	19.5	B3/2500		
BM	(30°-60°)	1370.3	16.0	B2/2500		
BH	(60°-80°)	670.4	7.8	B2/1000		G1/1800
BVH	(80°-90°)	173.9	2.0			G2/225
UL	(90°-100°)	207.8	2.4		U3/500	
UH	(100°-180°)	832.4	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6
2.5°	8882.7	8895.6	8898.8	8882.7	8776.1	8721.2	8663.0	8546.8	8572.6	8556.5	8559.7
5°	8055.8	8107.5	8026.7	8004.1	7842.6	7723.1	7606.8	7480.8	7451.8	7400.1	7419.5
7.5°	7506.7	7535.7	7403.3	7267.7	7009.2	6825.1	6631.3	6437.5	6292.2	6237.3	6259.9
10°	6250.2	6347.1	6214.7	6075.8	5830.3	5610.6	5407.1	5216.6	5084.1	5042.1	5048.6
12.5°	5313.5	5368.4	5255.3	5161.6	4887.1	4677.1	4489.8	4312.1	4205.5	4160.3	4160.3
15°	4693.3	4715.9	4628.7	4447.8	4241.1	4050.5	3892.2	3763.0	3675.8	3659.7	3666.1
17.5°	4224.9	4224.9	4137.7	3995.6	3837.3	3669.4	3559.5	3462.6	3423.9	3436.8	3440.0
20°	3872.9	3876.1	3798.6	3659.7	3524.0	3372.2	3281.7	3213.9	3191.3	3213.9	3217.1
22.5°	3540.2	3556.3	3472.3	3369.0	3220.4	3100.9	3026.6	2952.3	2939.4	2949.1	2949.1
25°	2561.4	2561.4	2532.4	2451.6	2483.9	2496.8	2584.1	2771.4	2732.6	2768.2	2764.9
27.5°	2209.4	2222.3	2164.1	2093.1	2018.8	1931.6	1915.4	1899.3	1883.1	1957.4	1983.3
30°	1951.0	1957.4	1909.0	1860.5	1799.1	1750.7	1737.8	1737.8	1721.6	1779.8	1776.5
32.5°	1705.5	1695.8	1682.9	1637.6	1598.9	1556.9	1566.6	1560.1	1560.1	1611.8	1615.0
35°	1511.7	1508.4	1498.8	1466.5	1427.7	1395.4	1405.1	1411.5	1408.3	1440.6	1440.6
37.5°	1369.5	1372.8	1366.3	1353.4	1314.6	1288.8	1295.3	1288.8	1298.5	1321.1	1321.1
40°	1230.7	1230.7	1233.9	1230.7	1204.8	1195.1	1214.5	1204.8	1227.4	1243.6	1237.1
42.5°	1098.2	1101.5	1107.9	1101.5	1085.3	1075.6	1085.3	1088.5	1120.8	1143.4	1140.2
45°	1014.2	1014.2	1017.5	1014.2	1001.3	991.6	991.6	981.9	1004.6	1017.5	1014.2
47.5°	959.3	959.3	965.8	962.6	956.1	946.4	939.9	927.0	936.7	946.4	936.7
50°	939.9	939.9	952.9	952.9	949.6	939.9	930.3	914.1	917.3	923.8	910.9
52.5°	969.0	969.0	991.6	1001.3	1001.3	985.2	972.3	949.6	949.6	956.1	936.7
55°	1030.4	1030.4	1065.9	1085.3	1088.5	1088.5	1072.4	1049.8	1053.0	1065.9	1046.5
57.5°	1007.8	1011.0	1040.1	1065.9	1082.1	1091.8	1091.8	1078.8	1088.5	1120.8	1111.1
60°	901.2	907.6	927.0	949.6	978.7	988.4	988.4	985.2	1001.3	1040.1	1040.1
62.5°	801.1	804.3	814.0	833.4	849.5	856.0	856.0	843.0	862.4	881.8	875.3
65°	723.5	720.3	739.7	755.8	765.5	775.2	765.5	752.6	762.3	775.2	772.0
67.5°	658.9	658.9	675.1	688.0	694.5	704.2	697.7	691.2	704.2	710.6	704.2
70°	597.6	600.8	613.7	623.4	629.9	639.6	629.9	626.6	639.6	646.0	642.8
72.5°	536.2	539.4	549.1	562.0	568.5	571.7	568.5	565.3	575.0	581.4	581.4
75°	481.3	484.5	491.0	503.9	503.9	510.4	507.1	503.9	513.6	520.0	520.0
77.5°	429.6	436.1	439.3	449.0	452.2	455.4	452.2	452.2	458.7	465.1	468.4
80°	384.4	387.6	390.8	400.5	400.5	403.8	400.5	400.5	407.0	416.7	416.7
82.5°	342.4	345.6	348.8	355.3	352.1	355.3	355.3	355.3	361.8	371.5	371.5
85°	300.4	306.9	306.9	313.3	313.3	313.3	313.3	316.5	319.8	329.5	329.5
87.5°	264.9	268.1	271.3	274.6	274.6	277.8	277.8	281.0	284.2	290.7	293.9
90°	229.3	232.6	235.8	235.8	235.8	239.0	239.0	242.3	245.5	251.9	255.2
92.5°	203.5	206.7	206.7	210.0	210.0	210.0	213.2	216.4	219.6	226.1	226.1
95°	180.9	184.1	184.1	184.1	184.1	187.3	187.3	190.6	193.8	200.3	200.3
97.5°	161.5	161.5	161.5	161.5	161.5	164.7	164.7	168.0	171.2	174.4	174.4
100°	142.1	142.1	142.1	142.1	142.1	142.1	142.1	145.4	145.4	151.8	151.8
102.5°	126.0	126.0	122.7	122.7	122.7	119.5	119.5	122.7	122.7	126.0	126.0
105°	113.1	113.1	113.1	113.1	109.8	109.8	109.8	109.8	109.8	113.1	113.1
107.5°	109.8	109.8	106.6	106.6	106.6	103.4	103.4	103.4	103.4	106.6	106.6
110°	106.6	106.6	106.6	106.6	103.4	103.4	100.1	100.1	100.1	103.4	103.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	109.8	109.8	109.8	106.6	106.6	103.4	103.4	103.4	103.4	103.4	106.6
115°	116.3	113.1	113.1	113.1	113.1	109.8	106.6	106.6	109.8	109.8	109.8
117.5°	126.0	122.7	122.7	126.0	122.7	119.5	116.3	116.3	119.5	119.5	122.7
120°	138.9	135.7	138.9	138.9	138.9	135.7	132.4	129.2	132.4	135.7	135.7
122.5°	155.0	151.8	155.0	158.3	158.3	155.0	148.6	148.6	151.8	155.0	158.3
125°	174.4	174.4	177.7	180.9	184.1	177.7	174.4	171.2	177.7	180.9	180.9
127.5°	197.0	193.8	200.3	210.0	213.2	206.7	200.3	197.0	203.5	210.0	210.0
130°	219.6	216.4	226.1	235.8	242.3	235.8	229.3	226.1	232.6	239.0	239.0
132.5°	239.0	235.8	248.7	261.6	268.1	264.9	258.4	251.9	261.6	268.1	264.9
135°	255.2	255.2	271.3	284.2	290.7	287.5	281.0	274.6	287.5	293.9	287.5
137.5°	264.9	264.9	284.2	297.2	303.6	303.6	300.4	293.9	306.9	310.1	300.4
140°	264.9	268.1	284.2	297.2	300.4	303.6	303.6	300.4	313.3	313.3	303.6
142.5°	255.2	258.4	274.6	287.5	290.7	293.9	297.2	293.9	303.6	303.6	297.2
145°	239.0	242.3	258.4	271.3	271.3	274.6	281.0	277.8	284.2	287.5	281.0
147.5°	216.4	219.6	232.6	239.0	242.3	248.7	255.2	255.2	258.4	261.6	258.4
150°	187.3	187.3	197.0	203.5	206.7	213.2	219.6	222.9	222.9	226.1	222.9
152.5°	148.6	148.6	155.0	161.5	164.7	174.4	177.7	180.9	184.1	187.3	184.1
155°	113.1	113.1	116.3	119.5	122.7	132.4	135.7	138.9	142.1	145.4	142.1
157.5°	80.8	80.8	84.0	87.2	90.4	96.9	100.1	103.4	103.4	106.6	106.6
160°	51.7	54.9	54.9	58.1	58.1	64.6	67.8	67.8	71.1	74.3	74.3
162.5°	25.8	29.1	29.1	32.3	35.5	38.8	42.0	42.0	45.2	45.2	45.2
165°	6.5	9.7	9.7	12.9	12.9	16.2	19.4	19.4	22.6	22.6	22.6
167.5°	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5	6.5	6.5
170°	0.0	0.0	0.0	0.0	3.2	0.0	0.0	3.2	3.2	3.2	3.2
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°	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6	9541.6
2.5°	8646.9	8640.4	8818.1	8960.2	9128.2	9260.6	9389.8	9512.6	9561.0	9557.8	9561.0
5°	7506.7	7619.7	7852.3	8081.6	8353.0	8608.1	8847.2	9005.4	9105.6	9105.6	9115.3
7.5°	6363.2	6544.1	6831.6	7196.6	7603.6	7936.3	8340.0	8624.3	8850.4	8843.9	8885.9
10°	5139.0	5281.2	5568.6	5959.5	6408.5	6792.8	7144.9	7409.8	7629.4	7616.5	7671.4
12.5°	4221.7	4321.8	4570.5	4925.9	5336.1	5707.5	6053.1	6259.9	6414.9	6411.7	6440.8
15°	3682.3	3785.6	3947.1	4192.6	4531.8	4861.3	5206.9	5394.2	5481.4	5471.7	5520.2
17.5°	3462.6	3504.6	3604.8	3769.5	4015.0	4283.1	4557.6	4719.1	4819.3	4806.3	4841.9
20°	3226.8	3265.6	3333.4	3456.2	3630.6	3834.1	4066.7	4244.3	4318.6	4315.4	4338.0
22.5°	2955.5	2974.9	3049.2	3146.1	3272.1	3436.8	3614.4	3776.0	3850.2	3847.0	3869.6
25°	2768.2	2800.5	2845.7	2903.8	2991.0	3120.2	3268.8	3381.9	3449.7	3443.3	3472.3
27.5°	2022.0	2054.3	2076.9	2112.5	2115.7	2222.3	2274.0	2367.6	2429.0	2425.8	2445.2
30°	1776.5	1783.0	1802.4	1850.8	1879.9	1963.9	2067.2	2138.3	2190.0	2209.4	2222.3
32.5°	1621.5	1640.9	1663.5	1686.1	1721.6	1773.3	1854.1	1918.7	1973.6	1983.3	2005.9
35°	1443.8	1456.8	1472.9	1495.5	1518.1	1560.1	1621.5	1673.2	1715.2	1731.3	1744.2
37.5°	1317.9	1321.1	1337.2	1363.1	1382.5	1418.0	1472.9	1511.7	1553.7	1556.9	1569.8
40°	1233.9	1237.1	1253.3	1275.9	1298.5	1321.1	1369.5	1405.1	1434.2	1437.4	1447.1
42.5°	1137.0	1146.7	1153.1	1162.8	1179.0	1198.4	1240.3	1259.7	1279.1	1282.3	1295.3
45°	1004.6	1007.8	1014.2	1023.9	1043.3	1062.7	1091.8	1114.4	1127.3	1127.3	1124.1
47.5°	930.3	933.5	933.5	946.4	962.6	981.9	1007.8	1027.2	1033.6	1033.6	1033.6
50°	904.4	904.4	898.0	907.6	923.8	936.7	962.6	978.7	981.9	985.2	988.4
52.5°	923.8	917.3	898.0	907.6	923.8	936.7	962.6	969.0	969.0	975.5	978.7
55°	1030.4	1020.7	981.9	988.4	1007.8	1023.9	1043.3	1046.5	1053.0	1062.7	1059.5
57.5°	1098.2	1104.7	1059.5	1069.2	1104.7	1117.6	1140.2	1137.0	1149.9	1162.8	1166.1
60°	1033.6	1053.0	1017.5	1030.4	1072.4	1078.8	1101.5	1088.5	1107.9	1107.9	1107.9
62.5°	878.6	885.0	865.7	885.0	923.8	923.8	939.9	930.3	936.7	930.3	933.5
65°	768.8	765.5	742.9	768.8	781.7	788.1	801.1	804.3	804.3	797.8	797.8
67.5°	700.9	694.5	675.1	681.5	694.5	697.7	717.1	720.3	717.1	717.1	720.3
70°	639.6	629.9	610.5	613.7	623.4	626.6	642.8	649.2	646.0	642.8	646.0
72.5°	578.2	568.5	549.1	549.1	558.8	565.3	578.2	584.6	578.2	578.2	581.4
75°	520.0	510.4	491.0	491.0	497.4	500.7	516.8	520.0	516.8	513.6	516.8
77.5°	468.4	461.9	442.5	442.5	445.7	449.0	458.7	461.9	458.7	455.4	458.7
80°	419.9	410.2	397.3	394.1	397.3	397.3	407.0	410.2	403.8	403.8	407.0
82.5°	374.7	365.0	352.1	352.1	348.8	352.1	358.5	361.8	358.5	355.3	358.5
85°	332.7	326.2	313.3	310.1	310.1	310.1	316.5	316.5	313.3	313.3	313.3
87.5°	293.9	287.5	274.6	274.6	271.3	274.6	277.8	277.8	274.6	274.6	274.6
90°	255.2	248.7	239.0	239.0	235.8	239.0	242.3	242.3	239.0	239.0	239.0
92.5°	226.1	222.9	213.2	213.2	210.0	213.2	213.2	213.2	210.0	210.0	210.0
95°	200.3	197.0	190.6	187.3	187.3	187.3	187.3	187.3	184.1	184.1	184.1
97.5°	174.4	171.2	164.7	164.7	161.5	164.7	164.7	164.7	161.5	161.5	161.5
100°	151.8	148.6	145.4	145.4	142.1	142.1	142.1	142.1	142.1	142.1	142.1
102.5°	126.0	126.0	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7	122.7
105°	113.1	113.1	113.1	113.1	116.3	116.3	116.3	113.1	113.1	113.1	113.1
107.5°	106.6	106.6	106.6	109.8	109.8	109.8	113.1	106.6	103.4	103.4	103.4
110°	103.4	103.4	106.6	106.6	109.8	109.8	113.1	100.1	96.9	96.9	96.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	106.6	106.6	106.6	109.8	113.1	113.1	116.3	100.1	96.9	96.9	96.9
115°	113.1	113.1	113.1	116.3	119.5	122.7	122.7	106.6	100.1	100.1	103.4
117.5°	122.7	122.7	122.7	126.0	132.4	132.4	132.4	113.1	109.8	109.8	109.8
120°	135.7	138.9	138.9	142.1	148.6	151.8	145.4	129.2	109.8	119.5	119.5
122.5°	155.0	158.3	161.5	164.7	174.4	174.4	164.7	148.6	119.5	132.4	135.7
125°	180.9	184.1	187.3	193.8	203.5	203.5	190.6	168.0	135.7	148.6	151.8
127.5°	206.7	213.2	216.4	226.1	239.0	239.0	222.9	193.8	151.8	161.5	164.7
130°	235.8	242.3	248.7	261.6	277.8	271.3	258.4	219.6	164.7	171.2	171.2
132.5°	261.6	271.3	274.6	293.9	310.1	303.6	287.5	235.8	171.2	171.2	168.0
135°	281.0	287.5	290.7	310.1	326.2	316.5	297.2	242.3	168.0	161.5	161.5
137.5°	293.9	300.4	303.6	316.5	329.5	313.3	287.5	229.3	161.5	158.3	155.0
140°	300.4	300.4	300.4	310.1	316.5	297.2	264.9	206.7	145.4	151.8	151.8
142.5°	293.9	290.7	287.5	293.9	297.2	274.6	245.5	184.1	132.4	138.9	138.9
145°	277.8	271.3	268.1	271.3	271.3	245.5	213.2	158.3	116.3	119.5	119.5
147.5°	255.2	245.5	239.0	239.0	235.8	210.0	180.9	132.4	100.1	96.9	96.9
150°	219.6	210.0	203.5	203.5	193.8	171.2	145.4	103.4	80.8	80.8	80.8
152.5°	180.9	171.2	164.7	164.7	155.0	132.4	109.8	77.5	61.4	61.4	61.4
155°	142.1	132.4	126.0	122.7	116.3	100.1	80.8	58.1	45.2	45.2	45.2
157.5°	106.6	100.1	93.7	90.4	84.0	74.3	58.1	42.0	29.1	32.3	32.3
160°	74.3	67.8	64.6	61.4	58.1	48.5	38.8	25.8	16.2	16.2	16.2
162.5°	45.2	42.0	42.0	38.8	35.5	32.3	22.6	12.9	6.5	6.5	6.5
165°	22.6	22.6	19.4	19.4	16.2	12.9	9.7	3.2	0.0	0.0	0.0
167.5°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
170°	3.2	3.2	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)