

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: P853407

Luminaire Tested: **CRTK-N-40-740-U-T2R-CNR**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-740-U-T2R-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5627 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (A_{in}): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

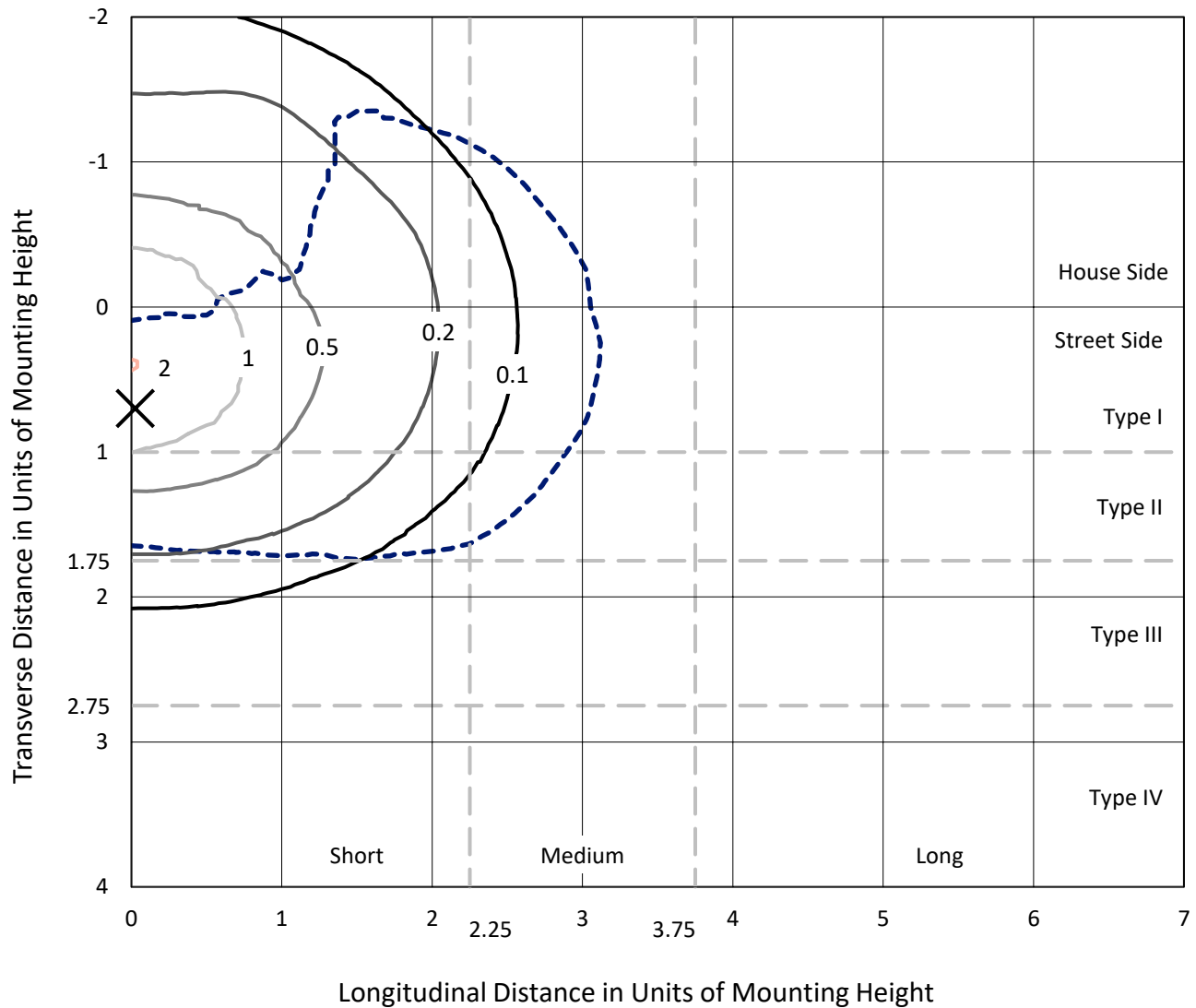


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Iso-Footcandle Lines of Horizontal Illumination

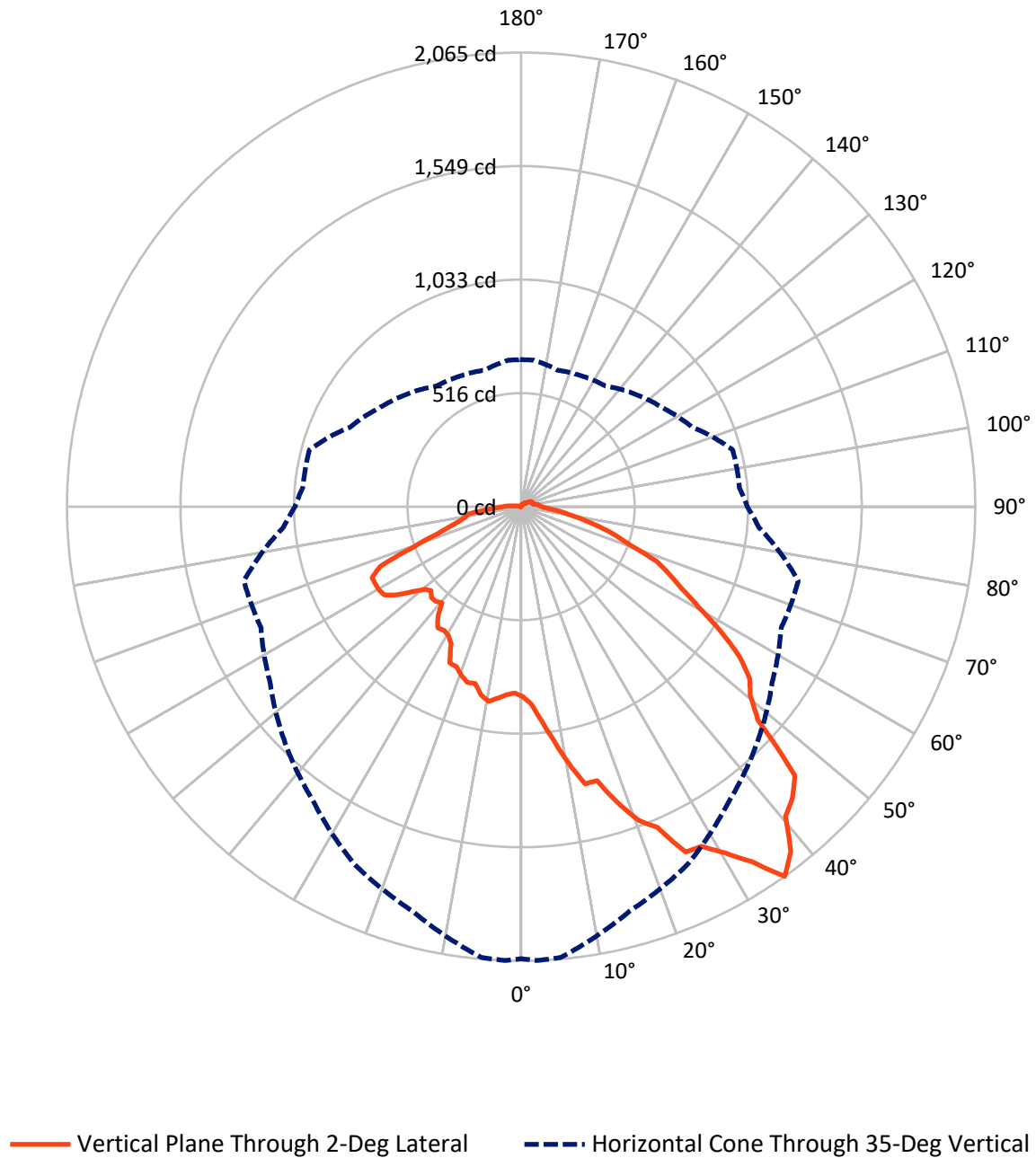
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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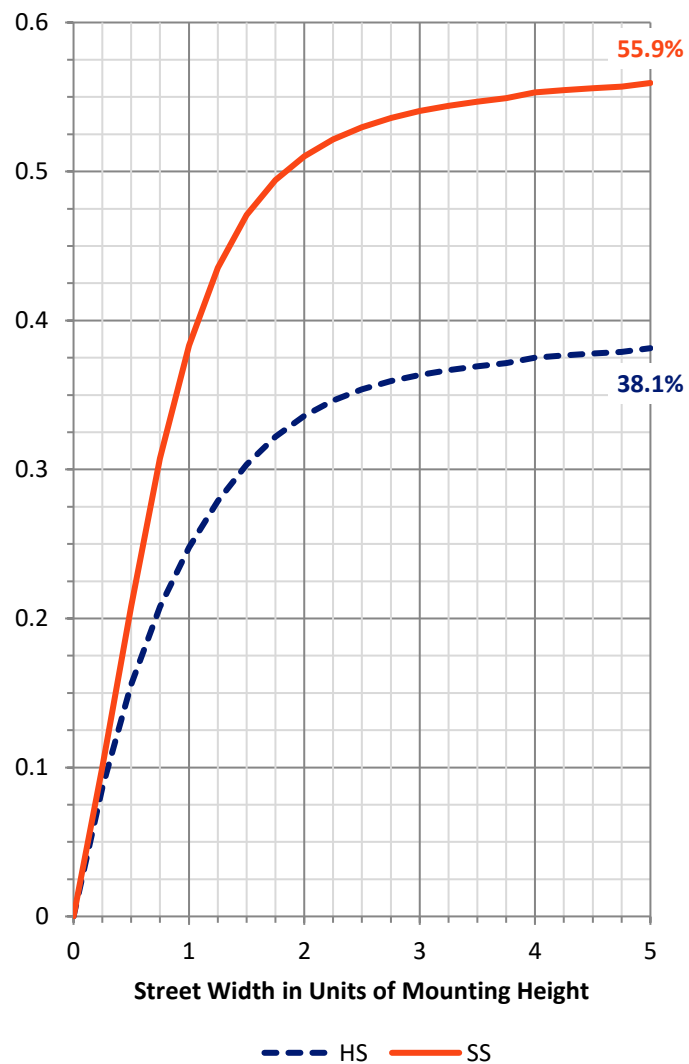
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2199.2	89.6	2288.9
	% Fixture	39.1	1.6	40.7
Street Side	Lumens	3191.4	146.7	3338.1
	% Fixture	56.7	2.6	59.3
Total	Lumens	5390.6	236.4	5627.0
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.6
10°-20°	297.2	5.3
20°-30°	510.0	9.1
30°-40°	732.9	13.0
40°-50°	891.8	15.8
50°-60°	1046.4	18.6
60°-70°	1038.4	18.5
70°-80°	577.4	10.3
80°-90°	207.8	3.7
90°-100°	75.5	1.3
100°-110°	64.9	1.2
110°-120°	53.9	1.0
120°-130°	22.0	0.4
130°-140°	11.0	0.2
140°-150°	5.8	0.1
150°-160°	2.7	0.0
160°-170°	0.6	0.0
170°-180°	0.0	0.0
0°-90°	5390.6	95.8
0°-180°	5627.0	100.0

Coefficient of Utilization



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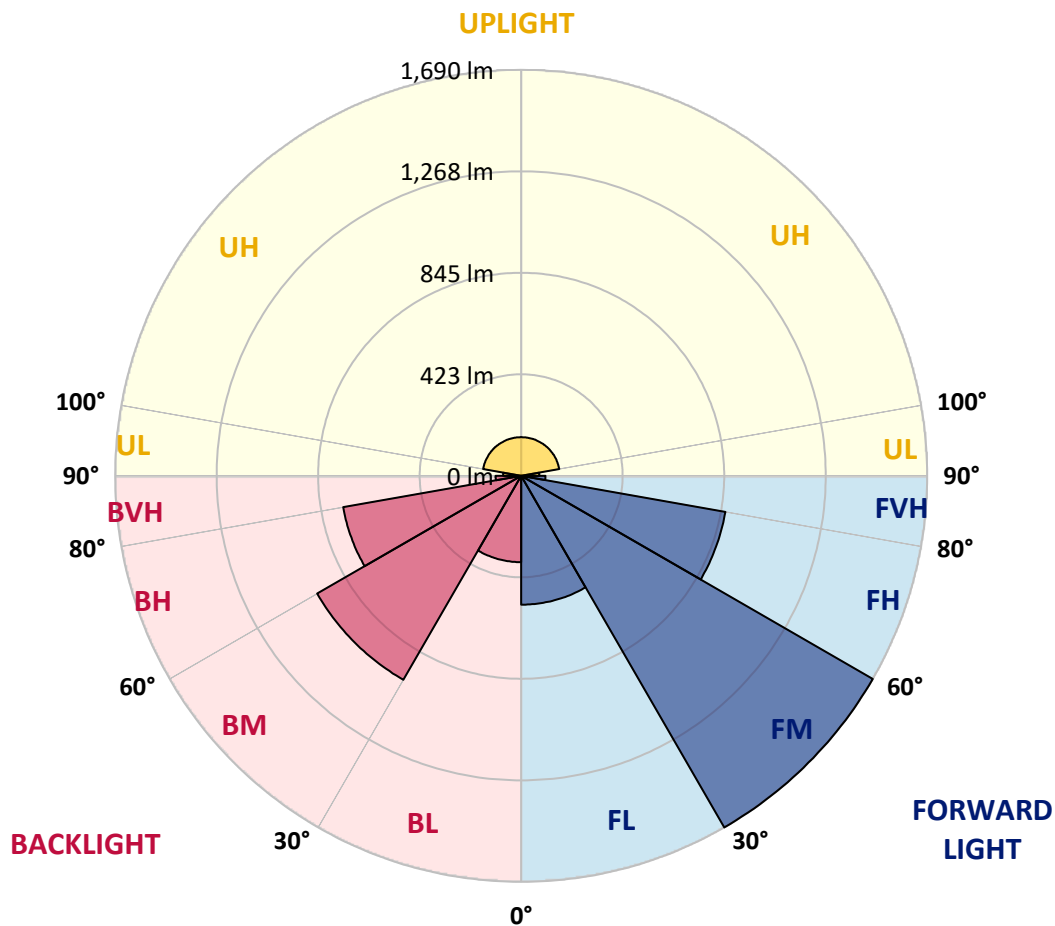
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.4	9.5			
FM	(30°-60°)	1690.3	30.0			
FH	(60°-80°)	863.4	15.3			G1/1800
FVH	(80°-90°)	101.2	1.8			G2/225
BL	(0°-30°)	359.6	6.4	B1/500		
BM	(30°-60°)	980.7	17.4	B1/1000		
BH	(60°-80°)	752.4	13.4	B2/1000		G2/1000
BVH	(80°-90°)	106.6	1.9			G2/225
UL	(90°-100°)	75.5	1.3		U3/500	
UH	(100°-180°)	160.9	2.9		U3/500	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9
2.5°	897.8	899.4	899.4	905.9	901.0	901.0	891.4	884.9	884.9	876.8	863.9
5°	975.3	978.6	976.9	981.8	970.5	964.0	943.0	926.9	915.6	899.4	880.1
7.5°	1072.2	1075.4	1073.8	1073.8	1057.7	1043.1	1009.2	980.2	957.6	931.7	901.0
10°	1177.2	1186.9	1185.3	1182.0	1154.6	1127.1	1081.9	1038.3	1002.8	965.6	925.3
12.5°	1293.4	1293.4	1293.4	1269.2	1222.4	1178.8	1128.7	1085.1	1051.2	1007.6	956.0
15°	1287.0	1293.4	1301.5	1338.7	1311.2	1262.8	1190.1	1122.3	1065.8	1010.9	985.0
17.5°	1398.4	1412.9	1409.7	1408.1	1411.3	1388.7	1298.3	1207.9	1135.2	1059.3	946.3
20°	1517.9	1522.7	1522.7	1526.0	1487.2	1484.0	1409.7	1301.5	1212.7	1067.4	959.2
22.5°	1572.8	1584.1	1576.0	1574.4	1508.2	1450.1	1427.5	1312.8	1177.2	1010.9	889.7
25°	1731.0	1740.7	1721.4	1640.6	1537.3	1442.0	1385.5	1396.8	1133.6	1009.2	925.3
27.5°	1744.0	1748.8	1756.9	1774.6	1690.7	1582.5	1445.2	1199.8	1164.3	1102.9	1014.1
30°	1821.5	1827.9	1808.6	1861.8	1868.3	1684.2	1417.8	1199.8	1209.5	1144.9	1104.5
32.5°	1911.9	1924.8	1928.1	1941.0	1821.5	1714.9	1395.2	1277.3	1253.1	1217.5	1114.2
35°	2055.6	2065.3	2058.8	1905.4	1794.0	1642.2	1517.9	1393.6	1304.7	1304.7	1085.1
37.5°	1999.1	1991.0	2005.6	1932.9	1840.9	1585.7	1563.1	1540.5	1427.5	1199.8	1188.5
40°	1847.3	1852.2	1848.9	1952.3	1763.3	1663.2	1621.2	1553.4	1404.9	1288.6	1270.8
42.5°	1803.7	1810.2	1827.9	1742.4	1700.4	1758.5	1627.7	1443.6	1411.3	1396.8	1269.2
45°	1782.7	1745.6	1711.7	1595.4	1564.7	1566.3	1559.9	1556.7	1498.5	1380.6	1164.3
47.5°	1445.2	1448.5	1467.8	1548.6	1526.0	1572.8	1542.1	1498.5	1440.4	1180.4	1109.4
50°	1348.3	1350.0	1375.8	1416.2	1484.0	1605.1	1587.3	1487.2	1390.3	1319.3	1240.2
52.5°	1304.7	1301.5	1312.8	1338.7	1404.9	1534.0	1527.6	1488.8	1458.1	1421.0	1316.0
55°	1219.2	1206.2	1228.8	1267.6	1325.7	1454.9	1519.5	1517.9	1513.1	1471.1	1377.4
57.5°	1073.8	1070.6	1088.4	1141.7	1228.8	1345.1	1456.5	1493.7	1508.2	1509.8	1437.2
60°	935.0	926.9	949.5	1014.1	1088.4	1254.7	1374.2	1438.8	1492.1	1514.7	1493.7
62.5°	826.8	818.7	836.5	888.1	972.1	1119.0	1293.4	1412.9	1500.1	1521.1	1500.1
65°	739.6	739.6	742.8	791.2	860.7	957.6	1190.1	1325.7	1448.5	1490.4	1479.1
67.5°	655.6	665.3	663.7	712.1	760.6	865.5	1006.0	1165.9	1356.4	1417.8	1412.9
70°	531.3	529.6	545.8	615.2	687.9	763.8	883.3	1039.9	1178.8	1225.6	1238.5
72.5°	455.4	450.5	461.8	500.6	570.0	658.8	726.7	812.2	889.7	983.4	988.2
75°	376.2	373.0	382.7	413.4	453.8	503.8	536.1	600.7	668.5	734.7	729.9
77.5°	295.5	292.3	298.7	321.3	350.4	390.8	427.9	476.4	490.9	516.7	529.6
80°	227.7	224.5	232.5	266.4	284.2	302.0	310.0	329.4	335.9	368.2	402.1
82.5°	185.7	182.5	192.2	197.0	198.6	213.2	227.7	239.0	251.9	271.3	272.9
85°	130.8	130.8	135.6	140.5	145.3	156.6	169.6	179.2	190.5	201.8	209.9
87.5°	105.0	105.0	106.6	108.2	116.3	124.3	134.0	145.3	155.0	159.9	163.1
90°	90.4	92.0	92.0	93.7	95.3	98.5	103.3	111.4	116.3	119.5	121.1
92.5°	84.0	84.0	84.0	84.0	82.4	80.7	80.7	82.4	85.6	87.2	85.6
95°	80.7	80.7	80.7	77.5	79.1	77.5	72.7	69.4	66.2	66.2	64.6
97.5°	72.7	72.7	72.7	69.4	67.8	67.8	66.2	63.0	59.7	58.1	54.9
100°	59.7	59.7	59.7	59.7	63.0	64.6	63.0	63.0	61.4	58.1	56.5
102.5°	54.9	54.9	54.9	56.5	61.4	67.8	71.1	71.1	67.8	66.2	64.6
105°	56.5	56.5	56.5	66.2	79.1	79.1	71.1	71.1	74.3	80.7	80.7
107.5°	54.9	54.9	56.5	69.4	95.3	113.0	113.0	98.5	100.1	93.7	88.8
110°	54.9	54.9	54.9	59.7	66.2	77.5	103.3	124.3	143.7	143.7	138.9

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CANDELA DISTRIBUTION (continued):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	51.7	51.7	53.3	54.9	58.1	64.6	72.7	90.4	105.0	117.9	121.1
115°	51.7	51.7	51.7	53.3	56.5	61.4	67.8	77.5	85.6	92.0	87.2
117.5°	50.1	50.1	51.7	50.1	51.7	56.5	61.4	64.6	66.2	63.0	54.9
120°	42.0	42.0	42.0	43.6	45.2	46.8	48.4	50.1	46.8	45.2	42.0
122.5°	37.1	37.1	37.1	37.1	37.1	37.1	40.4	40.4	42.0	40.4	40.4
125°	29.1	29.1	30.7	29.1	30.7	30.7	32.3	33.9	33.9	33.9	33.9
127.5°	25.8	25.8	25.8	25.8	25.8	25.8	27.5	29.1	29.1	27.5	27.5
130°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	24.2	24.2	24.2	22.6
132.5°	24.2	22.6	24.2	22.6	22.6	22.6	21.0	22.6	22.6	22.6	21.0
135°	22.6	22.6	21.0	21.0	21.0	21.0	19.4	19.4	21.0	19.4	17.8
137.5°	17.8	19.4	19.4	17.8	17.8	17.8	17.8	17.8	16.1	16.1	16.1
140°	16.1	16.1	16.1	16.1	16.1	14.5	16.1	14.5	14.5	14.5	14.5
142.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	12.9	12.9	12.9
145°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	11.3
147.5°	12.9	12.9	12.9	12.9	12.9	12.9	11.3	11.3	11.3	11.3	11.3
150°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.7
152.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
155°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
157.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
160°	3.2	3.2	3.2	3.2	4.8	4.8	4.8	4.8	4.8	4.8	4.8
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
165°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9	863.9
2.5°	860.7	859.1	862.3	862.3	857.4	852.6	849.4	846.1	846.1	847.8	847.8
5°	875.2	872.0	868.8	870.4	865.5	860.7	859.1	855.8	855.8	857.4	859.1
7.5°	893.0	888.1	886.5	884.9	881.7	878.4	876.8	875.2	875.2	876.8	878.4
10°	914.0	907.5	902.7	904.3	896.2	889.7	886.5	883.3	889.7	894.6	899.4
12.5°	941.4	935.0	918.8	910.7	884.9	873.6	867.1	867.1	872.0	873.6	876.8
15°	967.3	946.3	905.9	909.1	902.7	894.6	888.1	875.2	852.6	828.4	833.2
17.5°	914.0	920.4	936.6	936.6	931.7	922.0	904.3	868.8	841.3	833.2	836.5
20°	933.3	922.0	936.6	964.0	954.3	941.4	891.4	847.8	820.3	813.9	813.9
22.5°	862.3	847.8	867.1	920.4	928.5	868.8	792.9	778.3	786.4	784.8	784.8
25°	891.4	872.0	851.0	862.3	912.4	802.5	770.3	747.6	747.6	773.5	786.4
27.5°	972.1	946.3	907.5	838.1	763.8	791.2	783.2	760.6	746.0	713.7	692.7
30°	1056.1	1022.2	899.4	842.9	731.5	750.9	760.6	765.4	708.9	673.4	671.7
32.5°	1083.5	1015.7	949.5	828.4	755.7	720.2	739.6	689.5	681.4	663.7	662.1
35°	1028.6	996.3	996.3	857.4	784.8	726.7	670.1	655.6	642.7	668.5	668.5
37.5°	1135.2	1078.7	904.3	897.8	818.7	713.7	654.0	662.1	636.2	624.9	631.4
40°	1241.8	1132.0	959.2	878.4	800.9	733.1	678.2	641.1	629.8	570.0	563.6
42.5°	1154.6	1133.6	1025.4	851.0	783.2	767.0	721.8	662.1	584.6	576.5	581.3
45°	1101.3	1051.2	997.9	905.9	828.4	800.9	718.6	652.4	600.7	582.9	579.7
47.5°	1072.2	1007.6	920.4	897.8	831.6	805.8	805.8	679.8	607.2	563.6	558.7
50°	1196.6	1143.3	1027.0	925.3	876.8	852.6	893.0	726.7	634.6	584.6	574.9
52.5°	1267.6	1209.5	1106.1	997.9	915.6	886.5	938.2	775.1	676.6	634.6	623.3
55°	1327.4	1274.1	1153.0	1052.8	964.0	926.9	941.4	821.9	726.7	689.5	691.1
57.5°	1403.2	1346.7	1199.8	1088.4	996.3	959.2	938.2	862.3	765.4	739.6	738.0
60°	1484.0	1417.8	1266.0	1117.4	1018.9	980.2	970.5	904.3	789.6	755.7	744.4
62.5°	1472.7	1432.3	1324.1	1170.7	1059.3	1006.0	965.6	884.9	810.6	765.4	739.6
65°	1445.2	1412.9	1306.4	1146.5	1033.5	968.9	876.8	823.5	791.2	747.6	752.5
67.5°	1391.9	1350.0	1228.8	1073.8	935.0	826.8	752.5	686.3	691.1	691.1	700.8
70°	1186.9	1175.6	1038.3	931.7	830.0	731.5	642.7	592.6	560.3	521.6	516.7
72.5°	944.6	935.0	820.3	718.6	671.7	626.5	573.2	484.4	431.1	402.1	400.5
75°	699.2	691.1	637.8	571.6	529.6	490.9	447.3	389.2	347.2	332.6	329.4
77.5°	508.7	489.3	471.5	457.0	448.9	411.8	356.9	314.9	293.9	285.8	284.2
80°	387.5	369.8	352.0	335.9	340.7	324.6	295.5	274.5	261.6	255.1	255.1
82.5°	266.4	263.2	260.0	253.5	260.0	243.8	229.3	216.4	232.5	245.4	247.1
85°	209.9	208.3	209.9	198.6	198.6	180.9	176.0	164.7	161.5	161.5	159.9
87.5°	163.1	164.7	167.9	156.6	153.4	142.1	135.6	130.8	126.0	121.1	122.7
90°	121.1	122.7	122.7	114.6	111.4	103.3	98.5	95.3	90.4	85.6	85.6
92.5°	85.6	85.6	85.6	80.7	79.1	74.3	71.1	69.4	69.4	69.4	69.4
95°	64.6	64.6	63.0	59.7	58.1	56.5	58.1	56.5	54.9	48.4	50.1
97.5°	53.3	51.7	51.7	50.1	48.4	46.8	43.6	38.8	33.9	27.5	29.1
100°	54.9	53.3	51.7	51.7	48.4	38.8	32.3	27.5	22.6	17.8	17.8
102.5°	64.6	63.0	58.1	54.9	50.1	40.4	30.7	24.2	19.4	11.3	11.3
105°	77.5	74.3	64.6	59.7	51.7	40.4	32.3	25.8	17.8	8.1	6.5
107.5°	85.6	77.5	71.1	67.8	67.8	59.7	48.4	29.1	14.5	6.5	3.2
110°	135.6	127.6	111.4	101.7	90.4	69.4	40.4	22.6	9.7	4.8	3.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	119.5	114.6	98.5	79.1	59.7	42.0	24.2	16.1	9.7	3.2	3.2
115°	80.7	74.3	58.1	48.4	37.1	27.5	19.4	14.5	9.7	4.8	1.6
117.5°	50.1	46.8	40.4	33.9	30.7	24.2	17.8	12.9	6.5	1.6	0.0
120°	40.4	38.8	33.9	30.7	24.2	21.0	14.5	11.3	4.8	0.0	0.0
122.5°	37.1	35.5	30.7	25.8	22.6	17.8	12.9	8.1	3.2	1.6	0.0
125°	32.3	32.3	29.1	24.2	21.0	17.8	11.3	6.5	1.6	1.6	1.6
127.5°	25.8	25.8	22.6	21.0	16.1	12.9	9.7	6.5	1.6	1.6	1.6
130°	22.6	21.0	19.4	16.1	12.9	9.7	8.1	4.8	1.6	1.6	1.6
132.5°	21.0	19.4	16.1	14.5	11.3	8.1	6.5	4.8	1.6	1.6	1.6
135°	17.8	16.1	14.5	12.9	9.7	8.1	6.5	3.2	1.6	1.6	1.6
137.5°	14.5	14.5	12.9	11.3	8.1	8.1	6.5	3.2	1.6	1.6	1.6
140°	12.9	12.9	11.3	9.7	8.1	6.5	4.8	3.2	1.6	1.6	1.6
142.5°	11.3	11.3	9.7	8.1	6.5	4.8	3.2	1.6	1.6	1.6	1.6
145°	11.3	11.3	9.7	8.1	6.5	4.8	3.2	1.6	1.6	1.6	1.6
147.5°	9.7	9.7	9.7	8.1	4.8	4.8	3.2	1.6	1.6	1.6	1.6
150°	9.7	9.7	8.1	6.5	4.8	3.2	3.2	1.6	1.6	1.6	1.6
152.5°	8.1	8.1	8.1	6.5	4.8	3.2	1.6	1.6	1.6	1.6	1.6
155°	8.1	6.5	6.5	4.8	3.2	3.2	1.6	1.6	1.6	1.6	1.6
157.5°	6.5	6.5	4.8	4.8	3.2	3.2	1.6	1.6	1.6	1.6	1.6
160°	4.8	4.8	4.8	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6
165°	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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)