

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: P691532

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5192 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 41.6
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



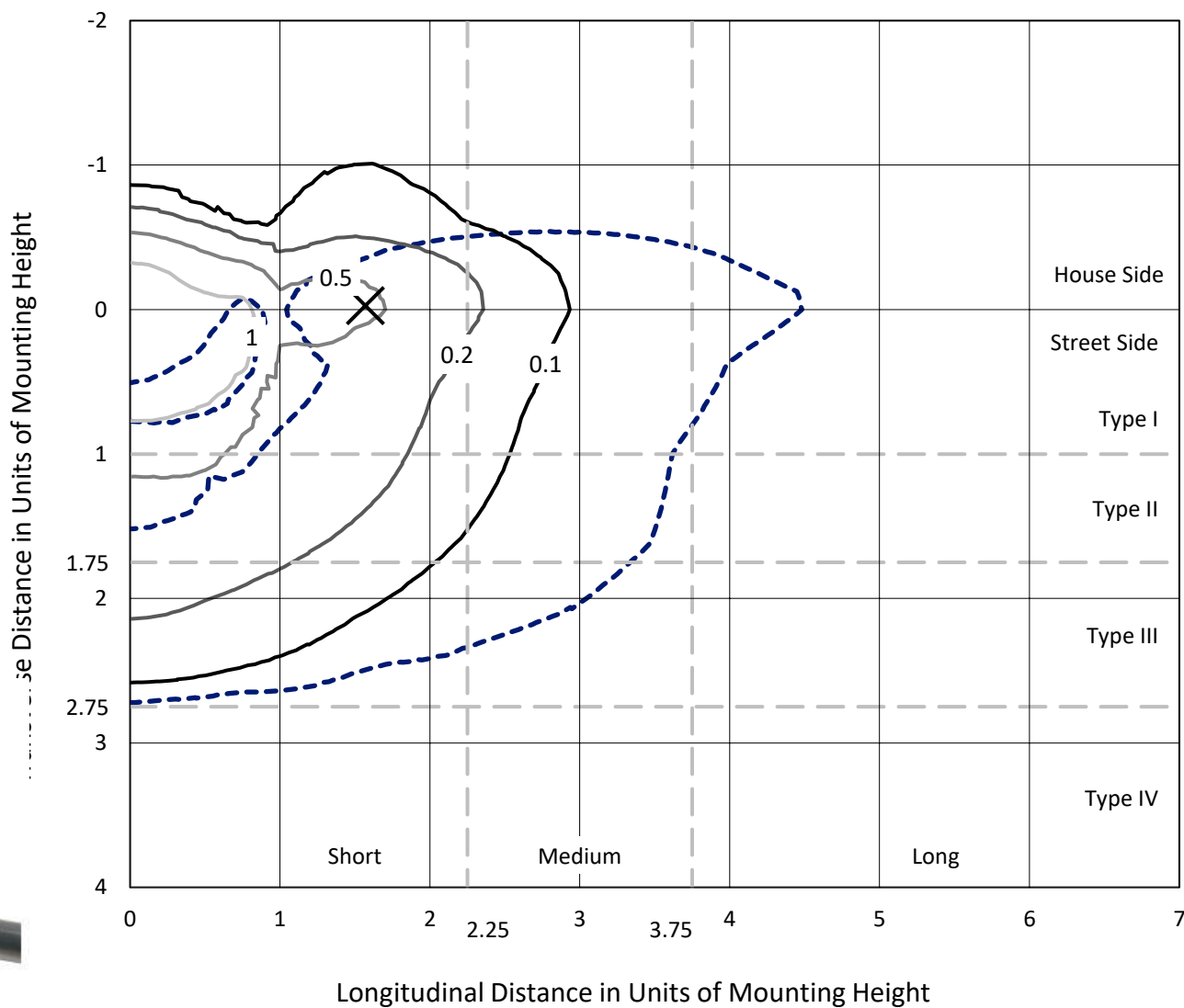
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

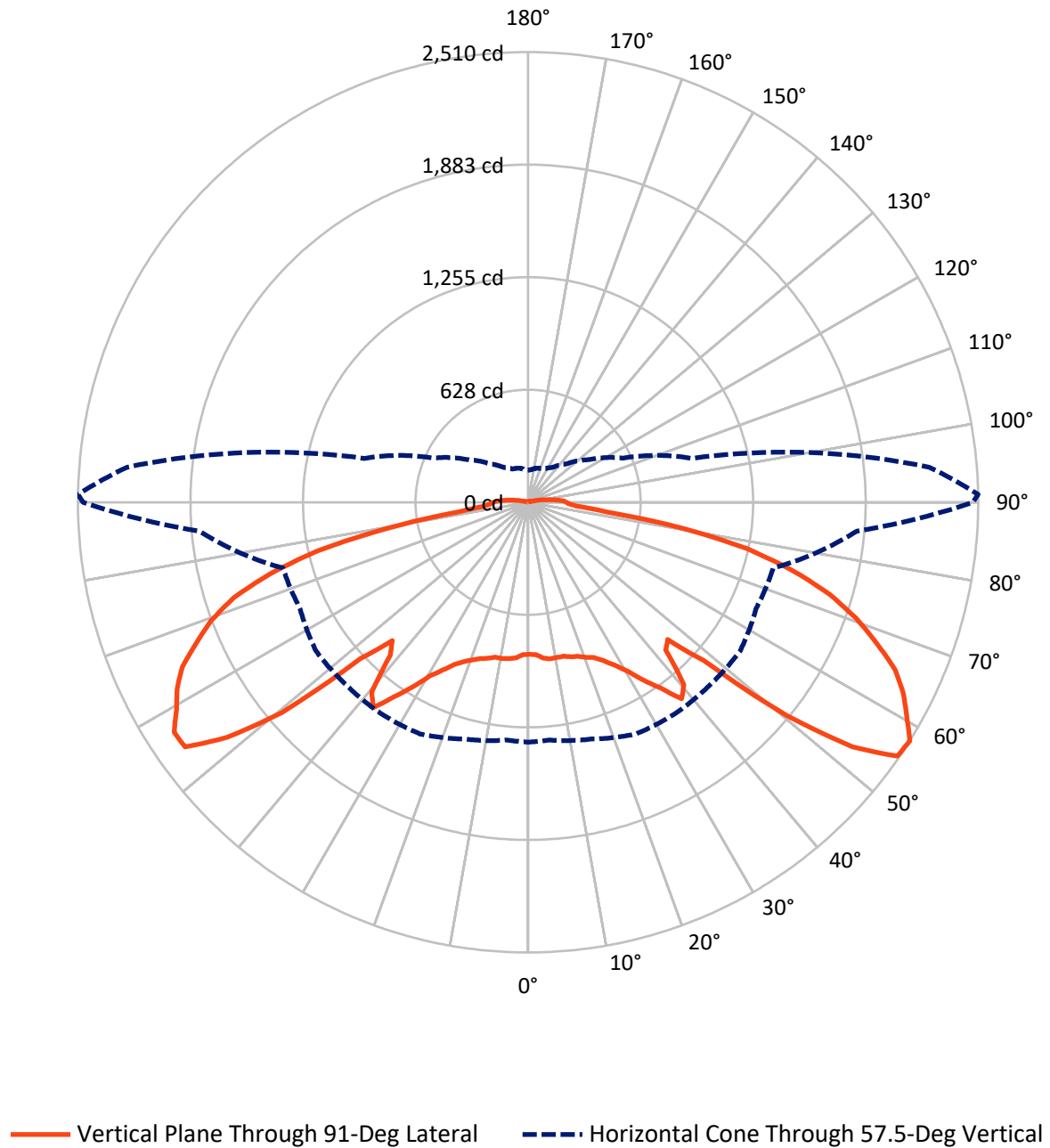


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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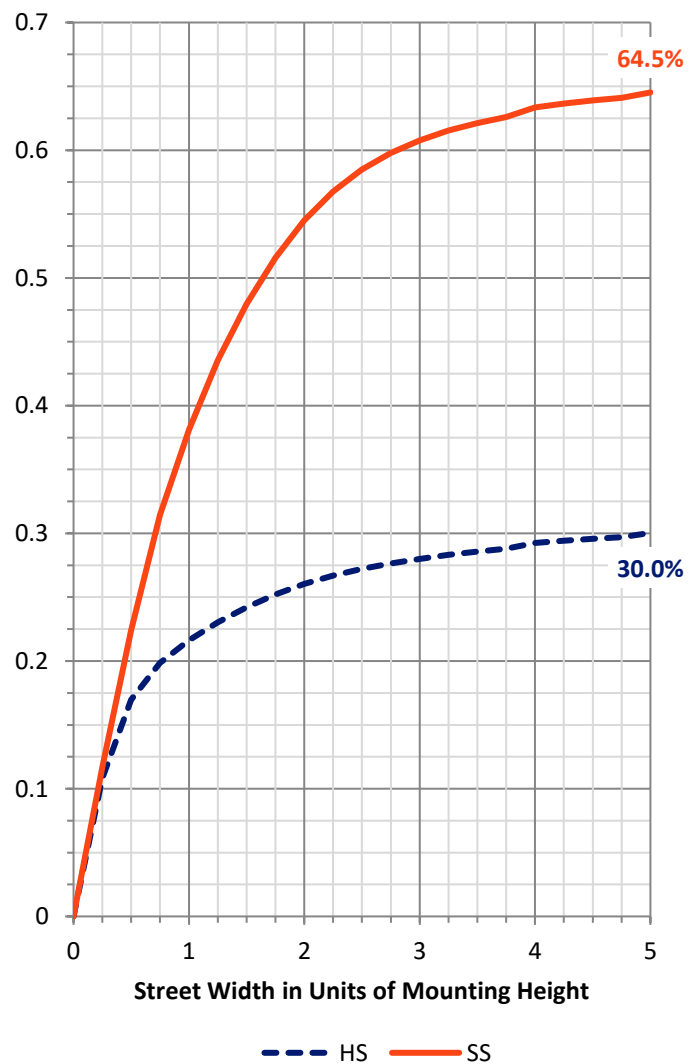
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1648.0	80.1	1728.2
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	3395.3	68.6	3463.9
	% Fixture	65.4	1.3	66.7
Total	Lumens	5043.3	148.7	5192.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.6
10°-20°	252.3	4.9
20°-30°	429.0	8.3
30°-40°	603.7	11.6
40°-50°	573.2	11.0
50°-60°	858.7	16.5
60°-70°	1111.2	21.4
70°-80°	840.9	16.2
80°-90°	291.3	5.6
90°-100°	109.4	2.1
100°-110°	25.6	0.5
110°-120°	8.8	0.2
120°-130°	4.5	0.1
130°-140°	0.4	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°	5043.3	97.1
0°-180°	5192.0	100.0

Coefficient of Utilization



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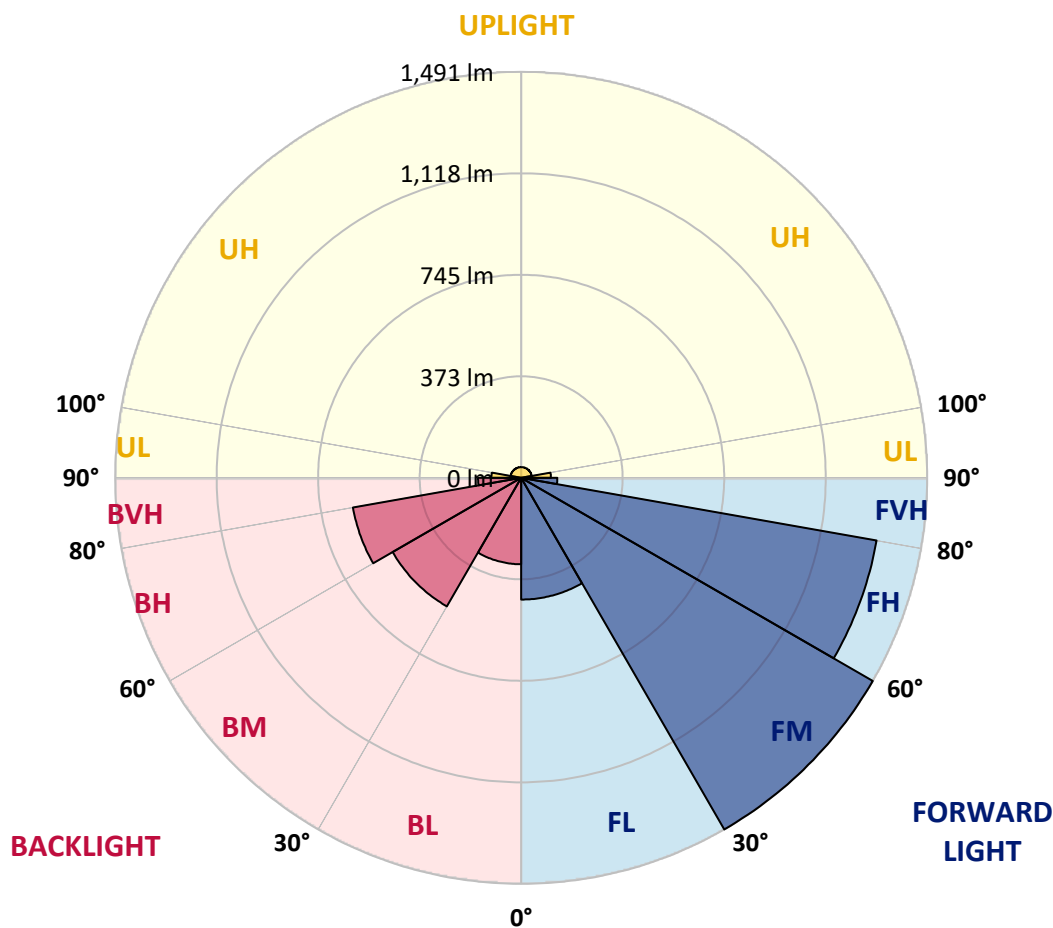
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.0	8.6			
FM	(30°-60°)	1490.5	28.7			
FH	(60°-80°)	1324.9	25.5			G1/1800
FVH	(80°-90°)	132.8	2.6			G2/225
BL	(0°-30°)	317.3	6.1	B1/500		
BM	(30°-60°)	545.1	10.5	B1/1000		
BH	(60°-80°)	627.2	12.1	B2/1000		G2/1000
BVH	(80°-90°)	158.5	3.1			G2/225
UL	(90°-100°)	109.4	2.1		U3/500	
UH	(100°-180°)	39.4	0.8		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7
2.5°	832.2	832.2	832.2	833.9	839.1	842.5	844.3	842.5	844.3	847.7	851.1
5°	856.3	854.6	852.9	849.4	847.7	847.7	849.4	849.4	852.9	864.9	871.8
7.5°	878.6	875.2	873.5	873.5	871.8	863.2	861.5	856.3	854.6	870.0	880.4
10°	919.9	916.5	906.2	894.1	890.7	880.4	864.9	861.5	863.2	880.4	883.8
12.5°	957.7	956.0	949.1	937.1	919.9	909.6	887.2	876.9	878.6	889.0	882.1
15°	1021.4	1014.5	993.8	983.5	966.3	947.4	918.2	906.2	909.6	901.0	897.6
17.5°	1059.2	1054.0	1054.0	1035.1	1023.1	990.4	962.9	940.5	949.1	926.8	907.9
20°	1093.6	1093.6	1095.3	1098.7	1076.4	1050.6	1012.8	985.3	987.0	954.3	926.8
22.5°	1146.9	1141.7	1146.9	1152.0	1136.6	1114.2	1067.8	1040.3	1028.2	987.0	950.9
25°	1201.9	1198.5	1198.5	1212.2	1217.4	1183.0	1140.0	1110.8	1093.6	1033.4	985.3
27.5°	1256.9	1258.6	1263.8	1269.0	1277.6	1260.4	1217.4	1195.0	1172.7	1088.4	1040.3
30°	1301.6	1298.2	1320.5	1332.6	1341.2	1348.1	1299.9	1275.8	1251.8	1158.9	1102.2
32.5°	1351.5	1351.5	1372.1	1394.5	1406.5	1420.3	1380.7	1365.3	1339.5	1243.2	1205.3
35°	1392.8	1392.8	1423.7	1461.5	1483.9	1494.2	1473.6	1471.9	1466.7	1358.4	1303.4
37.5°	1253.5	1270.7	1318.8	1394.5	1480.5	1549.2	1554.4	1588.8	1606.0	1489.1	1418.6
40°	1093.6	1098.7	1155.5	1222.5	1303.4	1389.3	1471.9	1573.3	1561.3	1420.3	1358.4
42.5°	985.3	999.0	1071.2	1122.8	1176.1	1229.4	1229.4	1226.0	1140.0	1165.8	1141.7
45°	974.9	978.4	1038.6	1115.9	1136.6	1062.6	959.5	902.7	909.6	1035.1	1091.9
47.5°	1081.5	1086.7	1148.6	1222.5	1148.6	1017.9	916.5	907.9	902.7	1124.5	1317.1
50°	1138.3	1141.7	1200.2	1238.0	1122.8	1121.1	1122.8	1091.9	1064.3	1475.3	1889.7
52.5°	1172.7	1176.1	1172.7	1220.8	1181.3	1272.4	1241.5	1189.9	1169.2	1709.1	2231.9
55°	1081.5	1103.9	1196.7	1324.0	1327.4	1358.4	1346.3	1299.9	1298.2	1796.8	2488.1
57.5°	1337.7	1330.9	1367.0	1425.4	1435.8	1437.5	1444.3	1403.1	1415.1	1841.5	2481.2
60°	1514.8	1495.9	1458.1	1485.6	1497.7	1516.6	1540.6	1494.2	1508.0	1881.1	2372.9
62.5°	1681.6	1652.4	1506.2	1501.1	1520.0	1557.8	1592.2	1556.1	1568.2	1894.8	2297.2
65°	1657.6	1631.8	1521.7	1461.5	1489.1	1540.6	1588.8	1571.6	1568.2	1865.6	2204.4
67.5°	1428.9	1430.6	1418.6	1418.6	1408.2	1482.2	1559.6	1561.3	1544.1	1791.7	2065.1
70°	1227.7	1220.8	1239.7	1312.0	1322.3	1410.0	1513.1	1530.3	1508.0	1709.1	1931.0
72.5°	1045.4	1040.3	1043.7	1103.9	1189.9	1286.2	1403.1	1444.3	1411.7	1561.3	1767.6
75°	864.9	859.7	858.0	878.6	947.4	1067.8	1201.9	1275.8	1248.3	1346.3	1528.6
77.5°	656.8	646.5	646.5	653.4	705.0	813.3	942.3	1045.4	1031.7	1085.0	1232.9
80°	436.7	438.5	435.0	433.3	467.7	531.3	625.9	749.7	742.8	742.8	818.5
82.5°	276.8	276.8	282.0	264.8	261.4	268.2	290.6	340.5	343.9	376.6	402.4
85°	177.1	178.8	178.8	161.6	156.5	161.6	177.1	192.6	199.5	232.1	261.4
87.5°	129.0	129.0	125.5	122.1	123.8	129.0	141.0	154.8	166.8	192.6	218.4
90°	98.0	98.0	96.3	94.6	98.0	104.9	120.4	135.8	151.3	180.5	204.6
92.5°	80.8	80.8	79.1	79.1	80.8	86.0	99.7	116.9	132.4	156.5	178.8
95°	67.1	68.8	67.1	68.8	70.5	73.9	82.5	96.3	106.6	122.1	137.6
97.5°	53.3	55.0	55.0	55.0	56.7	61.9	67.1	75.7	82.5	89.4	99.7
100°	39.5	41.3	41.3	41.3	43.0	48.1	53.3	56.7	58.5	60.2	65.3
102.5°	29.2	31.0	31.0	31.0	31.0	34.4	36.1	37.8	37.8	37.8	39.5
105°	20.6	20.6	20.6	20.6	20.6	20.6	22.4	22.4	22.4	22.4	22.4
107.5°	15.5	15.5	15.5	15.5	15.5	15.5	17.2	17.2	17.2	17.2	17.2
110°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	15.5	13.8	13.8	15.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.0	12.0	12.0	12.0	12.0	12.0	13.8	13.8	12.0	12.0	12.0
115°	10.3	10.3	10.3	10.3	10.3	10.3	12.0	12.0	10.3	10.3	10.3
117.5°	8.6	8.6	8.6	8.6	8.6	8.6	10.3	10.3	8.6	10.3	10.3
120°	8.6	10.3	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	10.3
122.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.6	8.6
125°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
127.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9
130°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7	847.7
2.5°	851.1	854.6	861.5	868.3	875.2	882.1	885.5	887.2	889.0	885.5	887.2
5°	871.8	875.2	885.5	895.8	894.1	889.0	882.1	882.1	883.8	883.8	887.2
7.5°	882.1	887.2	883.8	885.5	889.0	883.8	876.9	868.3	858.0	858.0	859.7
10°	880.4	875.2	880.4	875.2	863.2	861.5	858.0	846.0	839.1	840.8	840.8
12.5°	880.4	878.6	868.3	863.2	852.9	833.9	825.3	828.8	820.2	821.9	818.5
15°	894.1	882.1	868.3	851.1	828.8	818.5	806.4	787.5	785.8	785.8	785.8
17.5°	902.7	894.1	863.2	828.8	813.3	787.5	773.8	768.6	754.8	760.0	763.4
20°	923.4	902.7	858.0	821.9	768.6	753.1	730.8	725.6	718.7	698.1	691.2
22.5°	940.5	921.6	852.9	789.2	744.5	708.4	674.0	650.0	637.9	629.3	622.4
25°	978.4	949.1	858.0	773.8	705.0	658.6	627.6	584.6	555.4	551.9	555.4
27.5°	1028.2	981.8	870.0	753.1	674.0	601.8	539.9	510.7	479.7	469.4	471.1
30°	1091.9	1030.0	868.3	734.2	619.0	536.5	457.4	407.5	383.4	373.1	371.4
32.5°	1183.0	1097.0	907.9	710.1	569.1	445.3	359.4	297.5	285.4	283.7	282.0
35°	1272.4	1205.3	926.8	674.0	496.9	357.6	271.7	233.8	232.1	230.4	228.7
37.5°	1391.0	1312.0	980.1	651.7	428.1	270.0	218.4	190.9	185.7	177.1	180.5
40°	1337.7	1272.4	995.6	617.3	331.9	199.5	163.3	141.0	137.6	139.3	137.6
42.5°	1126.2	1078.1	868.3	531.3	228.7	146.2	122.1	125.5	132.4	137.6	137.6
45°	1091.9	997.3	625.9	376.6	147.9	122.1	118.6	123.8	135.8	147.9	149.6
47.5°	1318.8	1198.5	548.5	290.6	170.2	139.3	127.2	127.2	134.1	135.8	134.1
50°	1869.1	1686.8	641.4	333.6	211.5	168.5	146.2	137.6	141.0	144.4	142.7
52.5°	2266.3	2037.6	730.8	398.9	264.8	201.2	171.9	151.3	147.9	147.9	146.2
55°	2498.4	2238.7	835.7	491.8	331.9	242.4	199.5	175.4	166.8	159.9	159.9
57.5°	2510.4	2245.6	945.7	582.9	414.4	302.6	237.3	204.6	197.7	182.3	178.8
60°	2426.2	2216.4	1030.0	674.0	493.5	386.9	302.6	254.5	245.9	237.3	232.1
62.5°	2348.8	2168.2	1071.2	749.7	577.7	481.4	385.2	318.1	290.6	300.9	307.8
65°	2249.1	2114.9	1043.7	756.6	615.6	538.2	445.3	347.3	300.9	323.3	335.3
67.5°	2096.0	1975.7	974.9	694.7	574.3	503.8	417.8	326.7	290.6	299.2	299.2
70°	1941.3	1812.3	907.9	646.5	517.6	443.6	362.8	292.3	287.2	282.0	282.0
72.5°	1759.0	1606.0	820.2	617.3	495.2	431.6	352.5	294.0	307.8	314.7	314.7
75°	1528.6	1358.4	727.3	591.5	484.9	440.2	354.2	316.4	340.5	343.9	343.9
77.5°	1251.8	1066.1	619.0	545.1	455.7	423.0	330.1	311.2	335.3	340.5	342.2
80°	861.5	754.8	519.3	474.6	407.5	380.0	304.3	302.6	326.7	338.7	340.5
82.5°	436.7	429.9	378.3	373.1	347.3	331.9	282.0	294.0	319.8	337.0	338.7
85°	270.0	280.3	252.8	249.3	257.9	264.8	256.2	280.3	299.2	318.1	321.5
87.5°	225.2	237.3	211.5	201.2	204.6	216.7	227.0	252.8	270.0	285.4	287.2
90°	211.5	221.8	180.5	171.9	178.8	187.4	194.3	208.1	221.8	230.4	230.4
92.5°	185.7	189.1	149.6	142.7	153.0	158.2	156.5	159.9	159.9	142.7	142.7
95°	142.7	142.7	113.5	113.5	122.1	123.8	111.8	101.4	94.6	56.7	48.1
97.5°	103.2	101.4	82.5	82.5	89.4	87.7	73.9	61.9	51.6	32.7	34.4
100°	68.8	67.1	55.0	58.5	61.9	55.0	46.4	37.8	31.0	20.6	24.1
102.5°	41.3	39.5	36.1	37.8	36.1	34.4	27.5	22.4	18.9	12.0	13.8
105°	24.1	22.4	22.4	22.4	22.4	20.6	18.9	13.8	10.3	6.9	6.9
107.5°	17.2	17.2	17.2	15.5	15.5	13.8	12.0	10.3	6.9	5.2	3.4
110°	15.5	13.8	13.8	13.8	12.0	12.0	10.3	8.6	5.2	3.4	3.4

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	12.0	10.3	10.3	8.6	6.9	6.9	5.2	1.7	1.7
115°	10.3	10.3	8.6	8.6	6.9	6.9	5.2	5.2	3.4	1.7	1.7
117.5°	10.3	10.3	6.9	6.9	5.2	5.2	5.2	3.4	1.7	1.7	1.7
120°	10.3	8.6	6.9	5.2	5.2	5.2	3.4	3.4	1.7	0.0	1.7
122.5°	8.6	8.6	5.2	5.2	3.4	3.4	3.4	1.7	1.7	0.0	0.0
125°	6.9	6.9	5.2	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0
127.5°	6.9	6.9	5.2	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0
130°	5.2	5.2	3.4	3.4	3.4	3.4	1.7	1.7	0.0	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)