

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: P691668

Luminaire Tested: **CRTK2-C018-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691668
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-C018-D-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: 6781 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 50.4
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



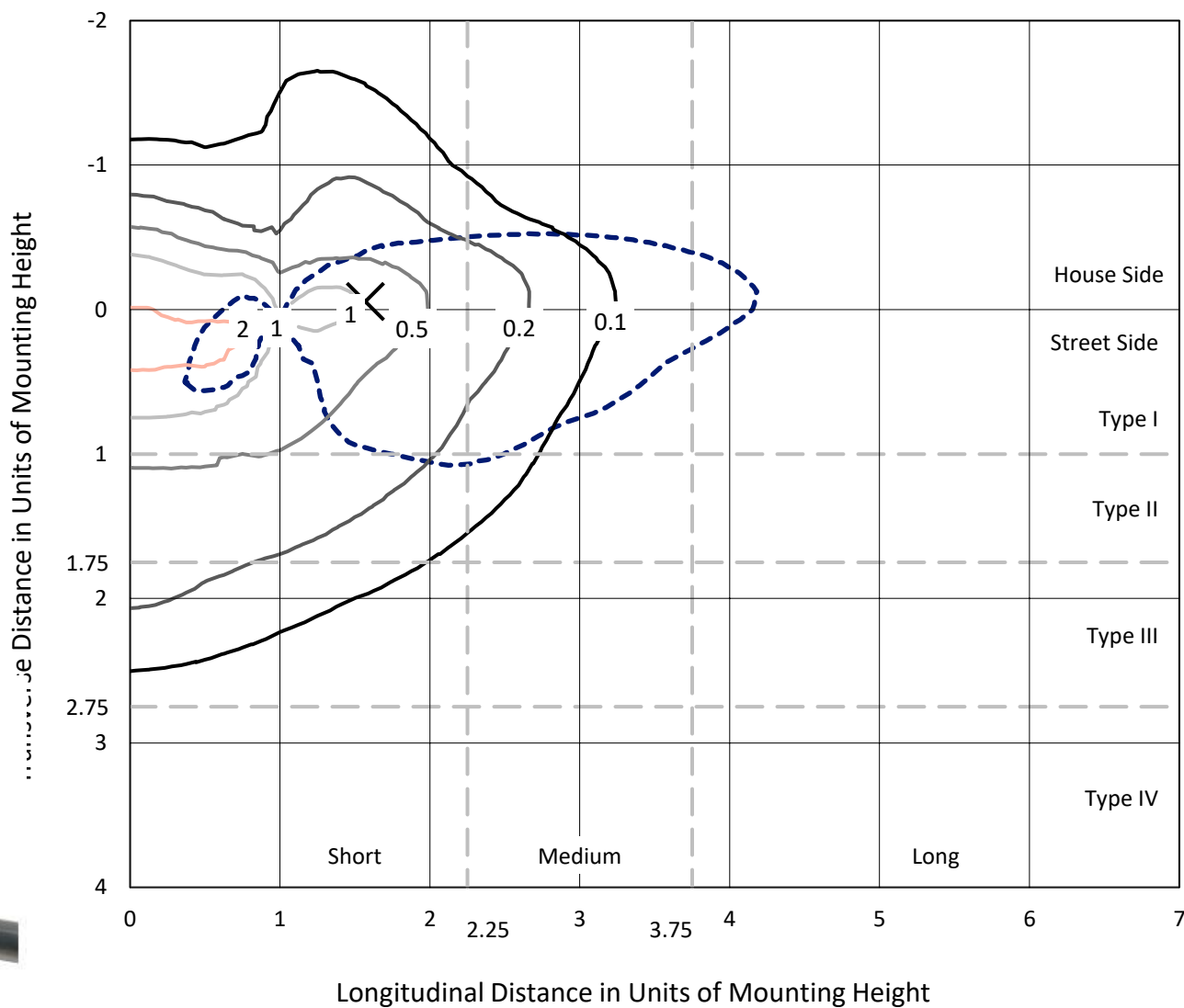
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

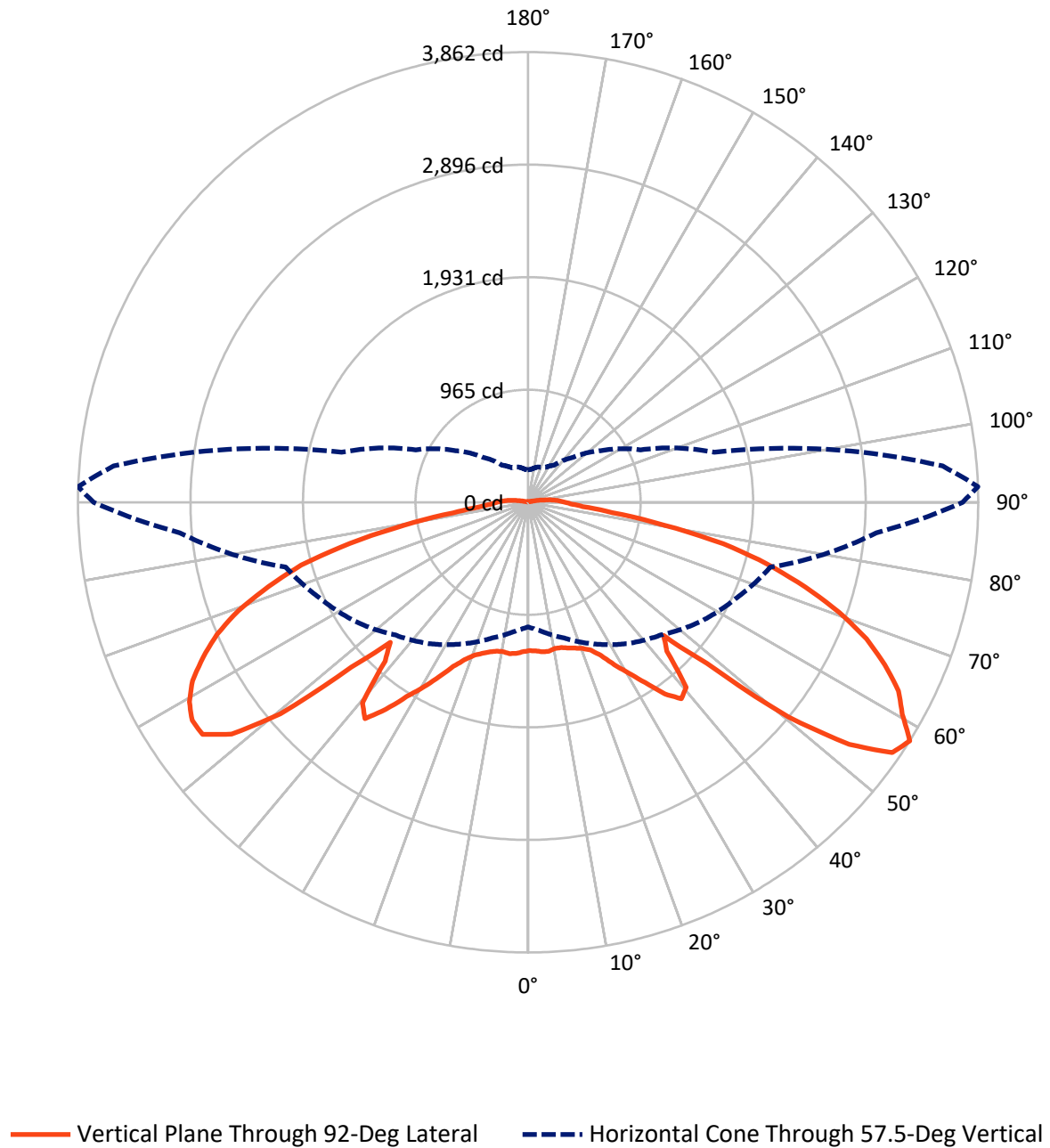


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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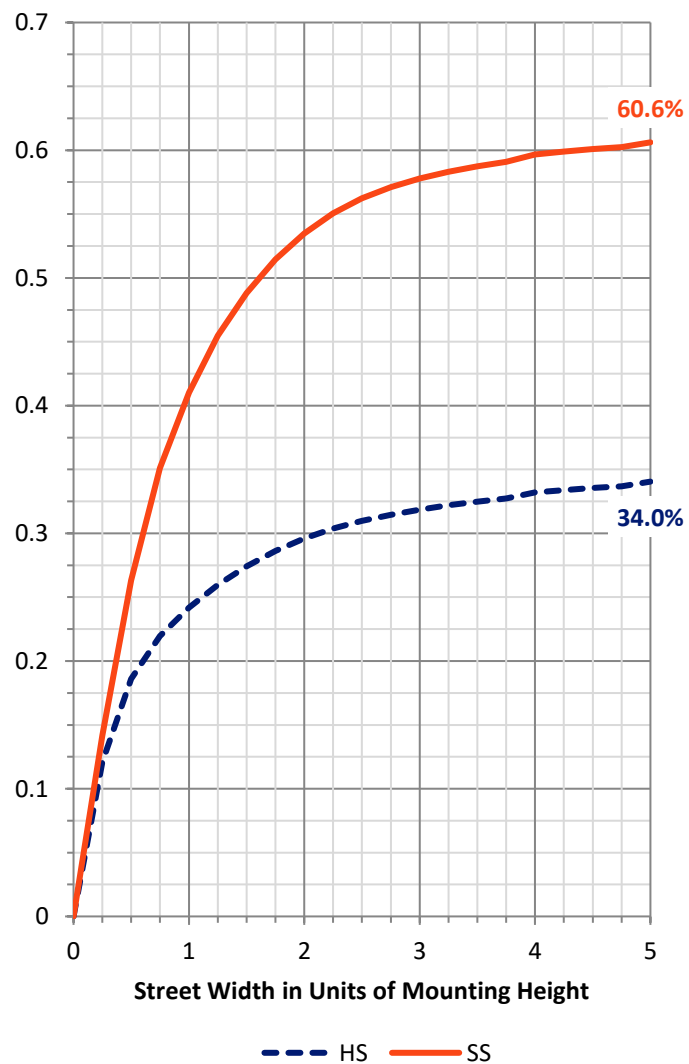
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2419.5	105.7	2525.2
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	4169.5	86.3	4255.8
	% Fixture	61.5	1.3	62.8
Total	Lumens	6589.0	192.0	6781.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	1.8
10°-20°	359.3	5.3
20°-30°	596.0	8.8
30°-40°	824.8	12.2
40°-50°	770.2	11.4
50°-60°	1150.8	17.0
60°-70°	1367.0	20.2
70°-80°	1003.3	14.8
80°-90°	395.5	5.8
90°-100°	139.3	2.1
100°-110°	33.0	0.5
110°-120°	12.7	0.2
120°-130°	6.5	0.1
130°-140°	0.6	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°	6589.0	97.2
0°-180°	6781.0	100.0

Coefficient of Utilization



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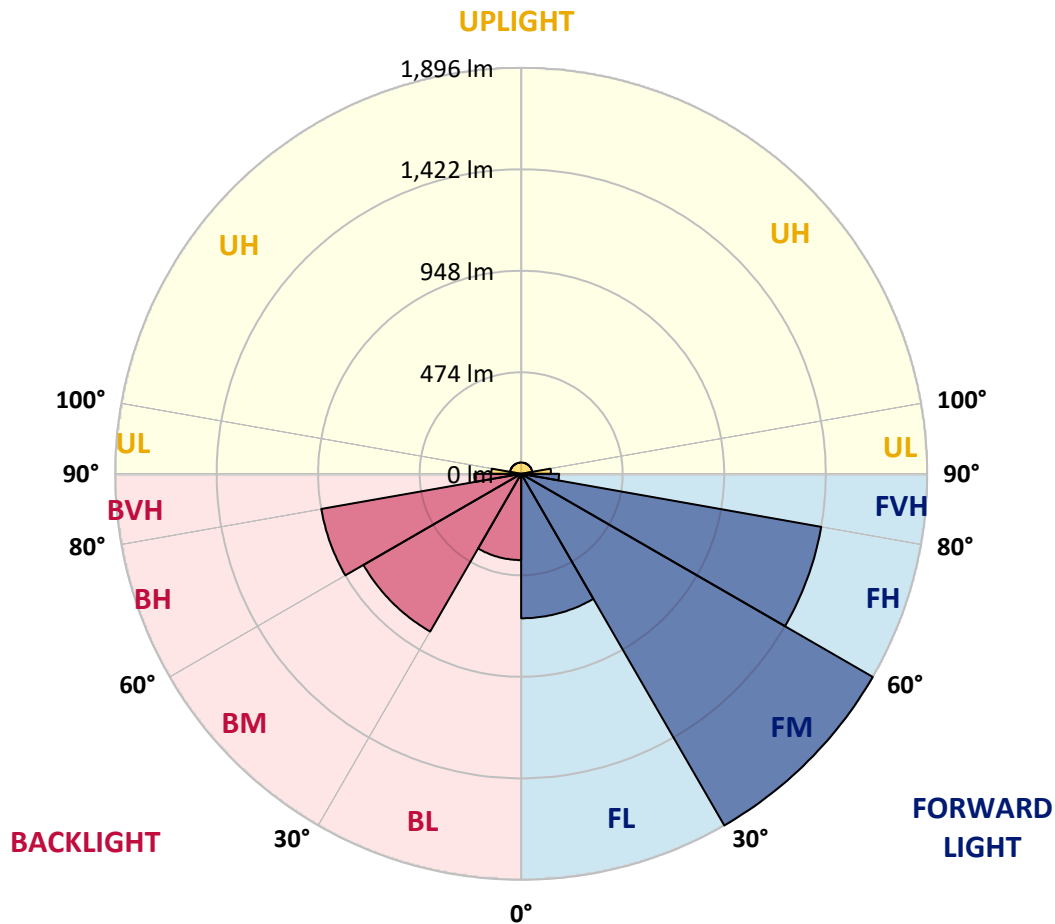
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	674.5	9.9			
FM	(30°-60°)	1895.6	28.0			
FH	(60°-80°)	1422.5	21.0			G1/1800
FVH	(80°-90°)	176.8	2.6			G2/225
BL	(0°-30°)	402.8	5.9	B1/500		
BM	(30°-60°)	850.2	12.5	B1/1000		
BH	(60°-80°)	947.8	14.0	B2/1000		G2/1000
BVH	(80°-90°)	218.7	3.2			G2/225
UL	(90°-100°)	139.3	2.1		U3/500	
UH	(100°-180°)	52.7	0.8		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1326.8	1317.7	1320.0	1317.7	1313.1	1308.5	1304.0	1299.4	1292.6	1285.7	1281.1
5°	1404.5	1395.3	1395.3	1395.3	1386.2	1372.5	1354.2	1342.8	1326.8	1308.5	1294.8
7.5°	1457.0	1450.1	1447.8	1445.6	1434.1	1425.0	1404.5	1367.9	1342.8	1320.0	1299.4
10°	1475.3	1475.3	1473.0	1466.1	1454.7	1443.3	1429.6	1395.3	1354.2	1315.4	1288.0
12.5°	1509.5	1514.1	1507.2	1495.8	1491.2	1477.5	1457.0	1429.6	1383.9	1324.5	1292.6
15°	1562.0	1559.7	1550.6	1548.3	1543.8	1527.8	1509.5	1475.3	1422.7	1347.4	1310.8
17.5°	1584.9	1582.6	1582.6	1582.6	1582.6	1571.2	1568.9	1530.1	1475.3	1383.9	1338.2
20°	1589.4	1589.4	1596.3	1612.3	1614.6	1612.3	1623.7	1598.6	1534.6	1429.6	1367.9
22.5°	1619.1	1621.4	1632.8	1648.8	1660.2	1664.8	1673.9	1685.4	1626.0	1502.7	1425.0
25°	1603.1	1614.6	1639.7	1664.8	1692.2	1708.2	1758.4	1797.3	1747.0	1610.0	1504.9
27.5°	1575.7	1584.9	1635.1	1680.8	1742.4	1808.7	1881.7	1932.0	1902.3	1742.4	1632.8
30°	1600.9	1600.9	1632.8	1708.2	1788.1	1909.1	2016.5	2071.3	2057.6	1881.7	1781.3
32.5°	1548.3	1562.0	1630.5	1740.2	1861.2	2018.8	2128.4	2231.1	2244.8	2062.2	1900.0
35°	1393.0	1422.7	1468.4	1612.3	1817.8	2091.8	2260.8	2391.0	2448.1	2267.7	2078.1
37.5°	1151.0	1162.4	1258.3	1402.2	1646.5	1918.3	2210.6	2528.0	2646.8	2423.0	2256.3
40°	1016.2	1023.1	1084.7	1210.3	1415.9	1683.1	1929.7	2256.3	2349.9	2327.1	2169.5
42.5°	970.6	982.0	1055.1	1176.1	1349.7	1534.6	1598.6	1740.2	1703.6	1801.8	1852.1
45°	1025.4	1032.2	1084.7	1189.8	1299.4	1379.3	1333.7	1434.1	1484.4	1678.5	1689.9
47.5°	1064.2	1068.8	1125.9	1258.3	1276.6	1278.9	1340.5	1399.9	1539.2	1959.4	2146.7
50°	913.5	936.3	1045.9	1160.1	1169.2	1349.7	1525.5	1644.2	1815.5	2580.5	2939.1
52.5°	847.2	858.7	977.4	1176.1	1308.5	1518.6	1644.2	1763.0	1927.4	2850.0	3480.3
55°	929.5	947.7	1089.3	1310.8	1443.3	1587.2	1744.7	1890.9	2053.0	2989.3	3722.4
57.5°	1068.8	1103.0	1205.8	1340.5	1479.8	1610.0	1792.7	1961.7	2151.2	2998.5	3727.0
60°	1345.1	1320.0	1262.9	1322.2	1457.0	1605.4	1815.5	1995.9	2206.0	2996.2	3621.9
62.5°	1534.6	1498.1	1308.5	1281.1	1406.7	1557.5	1765.3	1991.4	2194.6	2895.7	3503.2
65°	1498.1	1473.0	1326.8	1226.3	1317.7	1479.8	1696.8	1964.0	2139.8	2788.4	3288.5
67.5°	1292.6	1262.9	1201.2	1162.4	1208.1	1397.6	1632.8	1909.1	2075.9	2665.0	3053.3
70°	1055.1	1039.1	1018.5	1059.6	1116.7	1294.8	1516.4	1790.4	1954.8	2429.8	2802.1
72.5°	895.2	886.1	860.9	904.3	1000.2	1160.1	1345.1	1619.1	1804.1	2112.4	2491.5
75°	753.6	755.9	742.2	769.6	831.3	988.8	1135.0	1402.2	1607.7	1813.2	2155.8
77.5°	618.9	612.0	625.7	641.7	682.8	797.0	895.2	1128.1	1372.5	1438.7	1653.4
80°	452.2	463.6	488.7	486.4	520.7	570.9	637.1	760.5	963.7	1029.9	1112.1
82.5°	319.7	333.4	356.3	331.1	335.7	349.4	379.1	436.2	543.5	609.7	678.3
85°	226.1	232.9	237.5	219.2	219.2	228.4	248.9	290.0	356.3	397.4	433.9
87.5°	164.4	166.7	175.8	166.7	169.0	173.6	191.8	219.2	274.0	303.7	333.4
90°	125.6	125.6	130.2	127.9	132.5	141.6	159.9	182.7	223.8	260.3	287.7
92.5°	91.3	91.3	95.9	98.2	100.5	111.9	127.9	146.2	173.6	219.2	246.6
95°	70.8	70.8	75.4	75.4	77.6	86.8	100.5	118.8	139.3	171.3	196.4
97.5°	52.5	52.5	57.1	57.1	59.4	66.2	77.6	89.1	107.3	127.9	139.3
100°	41.1	41.1	43.4	43.4	45.7	52.5	59.4	66.2	70.8	82.2	86.8
102.5°	34.3	34.3	34.3	34.3	34.3	38.8	41.1	41.1	43.4	50.2	52.5
105°	27.4	27.4	27.4	25.1	25.1	27.4	27.4	27.4	29.7	29.7	32.0
107.5°	20.6	20.6	20.6	20.6	20.6	22.8	22.8	22.8	22.8	25.1	25.1
110°	18.3	18.3	18.3	18.3	18.3	18.3	20.6	20.6	20.6	20.6	20.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.0	16.0	16.0	16.0	16.0	16.0	18.3	18.3	18.3	18.3	18.3
115°	13.7	13.7	13.7	13.7	13.7	16.0	18.3	16.0	16.0	16.0	16.0
117.5°	11.4	11.4	11.4	13.7	13.7	13.7	16.0	13.7	13.7	13.7	16.0
120°	9.1	9.1	11.4	11.4	11.4	11.4	11.4	11.4	13.7	13.7	13.7
122.5°	9.1	9.1	9.1	9.1	9.1	11.4	11.4	11.4	11.4	11.4	13.7
125°	6.9	6.9	6.9	9.1	9.1	9.1	9.1	9.1	9.1	11.4	11.4
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.1	9.1	9.1
130°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1276.6	1276.6	1262.9	1249.2	1235.5	1221.8	1210.3	1203.5	1194.4	1196.6	1196.6
5°	1288.0	1281.1	1251.5	1233.2	1212.6	1194.4	1176.1	1160.1	1155.5	1153.3	1144.1
7.5°	1290.3	1278.9	1246.9	1219.5	1180.7	1137.3	1116.7	1098.4	1087.0	1096.2	1091.6
10°	1274.3	1260.6	1224.0	1182.9	1128.1	1091.6	1059.6	1041.4	1032.2	1034.5	1032.2
12.5°	1278.9	1262.9	1203.5	1141.8	1096.2	1034.5	995.7	979.7	968.3	968.3	961.4
15°	1297.1	1269.7	1185.2	1121.3	1045.9	993.4	947.7	936.3	931.7	927.2	920.3
17.5°	1315.4	1276.6	1182.9	1084.7	1000.2	943.2	897.5	876.9	865.5	865.5	863.2
20°	1338.2	1290.3	1169.2	1045.9	956.9	881.5	826.7	808.4	799.3	797.0	792.4
22.5°	1377.1	1326.8	1162.4	1029.9	899.8	822.1	769.6	735.3	717.1	714.8	714.8
25°	1454.7	1393.0	1176.1	986.5	860.9	760.5	696.5	662.3	641.7	641.7	639.4
27.5°	1578.0	1479.8	1196.6	970.6	787.9	694.2	628.0	575.5	557.2	557.2	559.5
30°	1699.1	1612.3	1249.2	936.3	746.8	607.5	527.5	488.7	465.9	456.7	459.0
32.5°	1842.9	1751.6	1322.2	913.5	664.5	504.7	431.6	411.1	376.8	367.7	360.8
35°	2018.8	1886.3	1404.5	881.5	600.6	429.3	370.0	328.8	312.9	301.4	299.2
37.5°	2137.5	2021.0	1477.5	888.3	511.5	388.2	322.0	278.6	262.6	264.9	264.9
40°	2087.3	1952.5	1495.8	842.7	436.2	338.0	269.5	244.4	235.2	237.5	239.8
42.5°	1744.7	1673.9	1237.8	753.6	360.8	271.8	226.1	226.1	232.9	226.1	226.1
45°	1630.5	1452.4	899.8	529.8	271.8	223.8	214.7	221.5	237.5	237.5	237.5
47.5°	2064.4	1863.5	806.1	443.0	303.7	251.2	232.9	221.5	223.8	221.5	221.5
50°	2895.7	2580.5	1082.5	552.6	367.7	299.2	264.9	242.1	242.1	237.5	232.9
52.5°	3448.3	3117.2	1317.7	692.0	461.3	349.4	303.7	262.6	248.9	239.8	237.5
55°	3790.9	3539.7	1520.9	886.1	600.6	415.6	338.0	294.6	274.0	255.8	253.5
57.5°	3861.7	3569.4	1655.7	1064.2	774.2	545.8	388.2	326.6	312.9	283.2	278.6
60°	3688.1	3494.0	1708.2	1180.7	924.9	719.4	507.0	379.1	349.4	328.8	324.3
62.5°	3567.1	3343.3	1689.9	1219.5	1018.5	863.2	666.8	465.9	381.4	383.7	404.2
65°	3363.8	3213.1	1555.2	1162.4	1014.0	911.2	749.0	538.9	392.8	388.2	413.3
67.5°	3130.9	3012.2	1420.4	1036.8	934.0	845.0	696.5	513.8	372.2	349.4	351.7
70°	2831.8	2731.3	1283.4	966.0	860.9	749.0	605.2	445.3	367.7	331.1	331.1
72.5°	2486.9	2368.2	1169.2	913.5	822.1	719.4	580.1	429.3	395.1	381.4	392.8
75°	2121.5	1970.8	1080.2	863.2	794.7	719.4	577.8	429.3	395.1	383.7	383.7
77.5°	1710.5	1621.4	984.3	783.3	739.9	685.1	532.1	399.6	388.2	383.7	383.7
80°	1182.9	1169.2	801.6	680.5	669.1	648.6	500.1	385.9	385.9	379.1	370.0
82.5°	726.2	692.0	573.2	509.3	548.1	577.8	454.5	363.1	354.0	347.1	342.6
85°	470.4	472.7	401.9	356.3	379.1	440.7	383.7	328.8	315.1	319.7	319.7
87.5°	360.8	372.2	315.1	290.0	285.5	299.2	301.4	294.6	285.5	278.6	280.9
90°	310.6	315.1	253.5	232.9	230.7	235.2	235.2	248.9	248.9	226.1	212.4
92.5°	260.3	267.2	210.1	189.5	189.5	196.4	201.0	201.0	182.7	148.4	132.5
95°	205.5	210.1	166.7	150.7	153.0	153.0	150.7	143.9	111.9	66.2	59.4
97.5°	143.9	146.2	123.3	114.2	116.5	111.9	98.2	89.1	68.5	38.8	36.5
100°	91.3	93.6	77.6	75.4	82.2	73.1	63.9	59.4	41.1	25.1	29.7
102.5°	54.8	54.8	48.0	45.7	50.2	43.4	38.8	32.0	25.1	16.0	20.6
105°	32.0	32.0	29.7	29.7	29.7	27.4	25.1	20.6	13.7	11.4	11.4
107.5°	25.1	25.1	22.8	22.8	20.6	20.6	18.3	13.7	9.1	6.9	6.9
110°	20.6	20.6	18.3	18.3	18.3	16.0	13.7	11.4	6.9	4.6	4.6

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.3	18.3	16.0	16.0	13.7	13.7	11.4	9.1	6.9	4.6	4.6
115°	16.0	16.0	13.7	11.4	11.4	11.4	9.1	6.9	4.6	2.3	4.6
117.5°	16.0	16.0	11.4	9.1	9.1	9.1	6.9	6.9	4.6	2.3	2.3
120°	13.7	13.7	9.1	9.1	6.9	6.9	6.9	4.6	2.3	2.3	2.3
122.5°	11.4	11.4	9.1	6.9	6.9	6.9	4.6	4.6	2.3	2.3	2.3
125°	11.4	11.4	6.9	6.9	6.9	4.6	4.6	4.6	2.3	0.0	0.0
127.5°	9.1	9.1	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
130°	6.9	6.9	6.9	6.9	4.6	4.6	4.6	2.3	2.3	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)