

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: P690956

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690956
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-C01-D-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8456 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 61
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



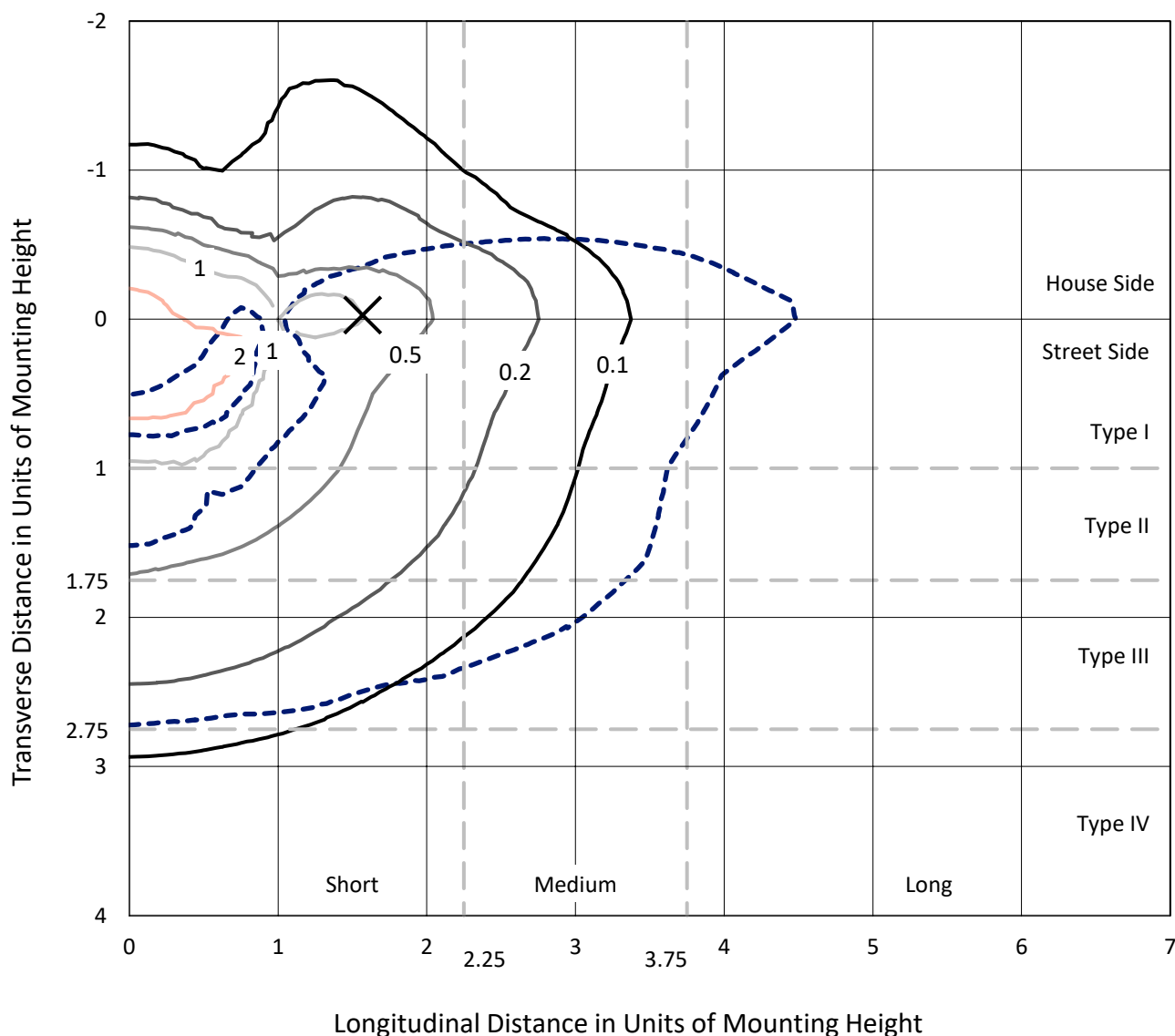
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

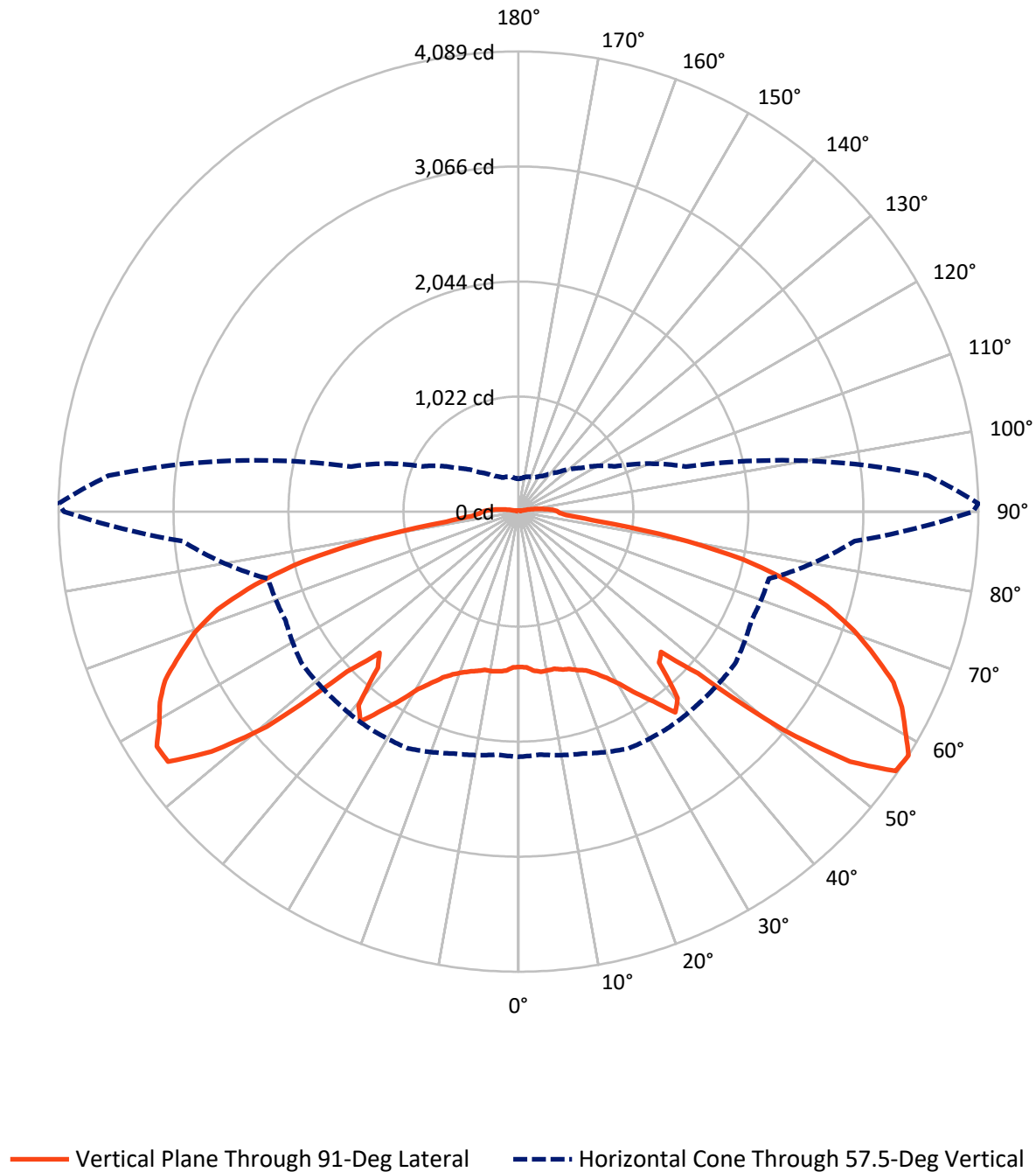


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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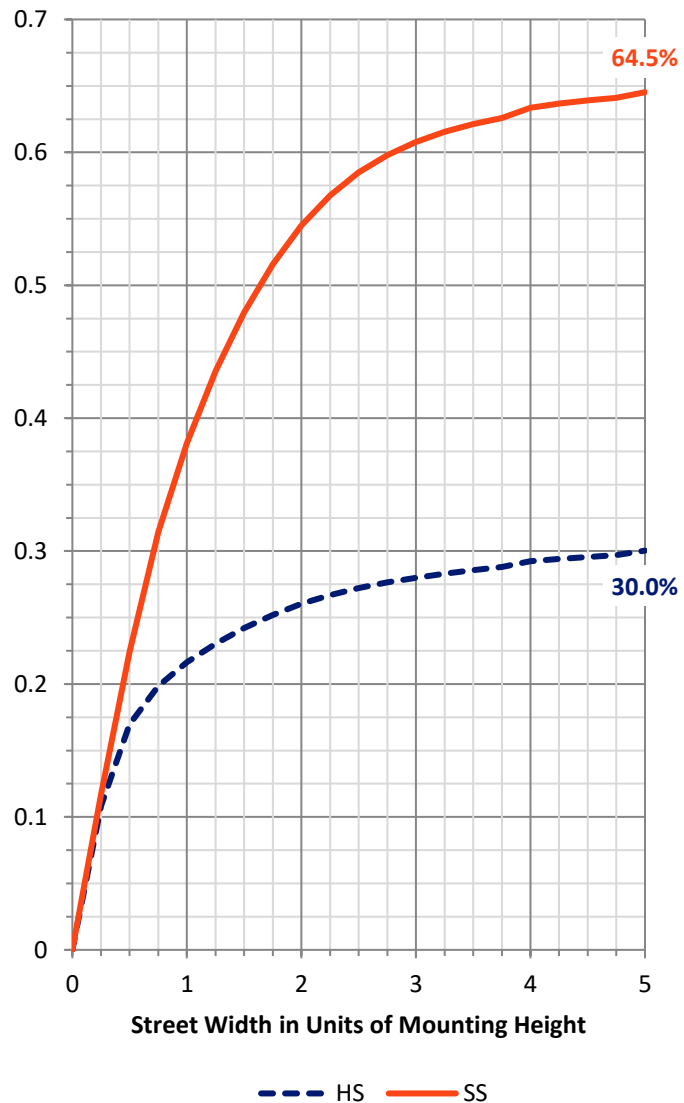
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2684.1	130.5	2814.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5529.7	111.7	5641.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	8213.8	242.2	8456.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	1.6
10°-20°	410.9	4.9
20°-30°	698.7	8.3
30°-40°	983.1	11.6
40°-50°	933.6	11.0
50°-60°	1398.5	16.5
60°-70°	1809.8	21.4
70°-80°	1369.6	16.2
80°-90°	474.4	5.6
90°-100°	178.1	2.1
100°-110°	41.7	0.5
110°-120°	14.4	0.2
120°-130°	7.3	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°	8213.8	97.1
0°-180°	8456.0	100.0

Coefficient of Utilization



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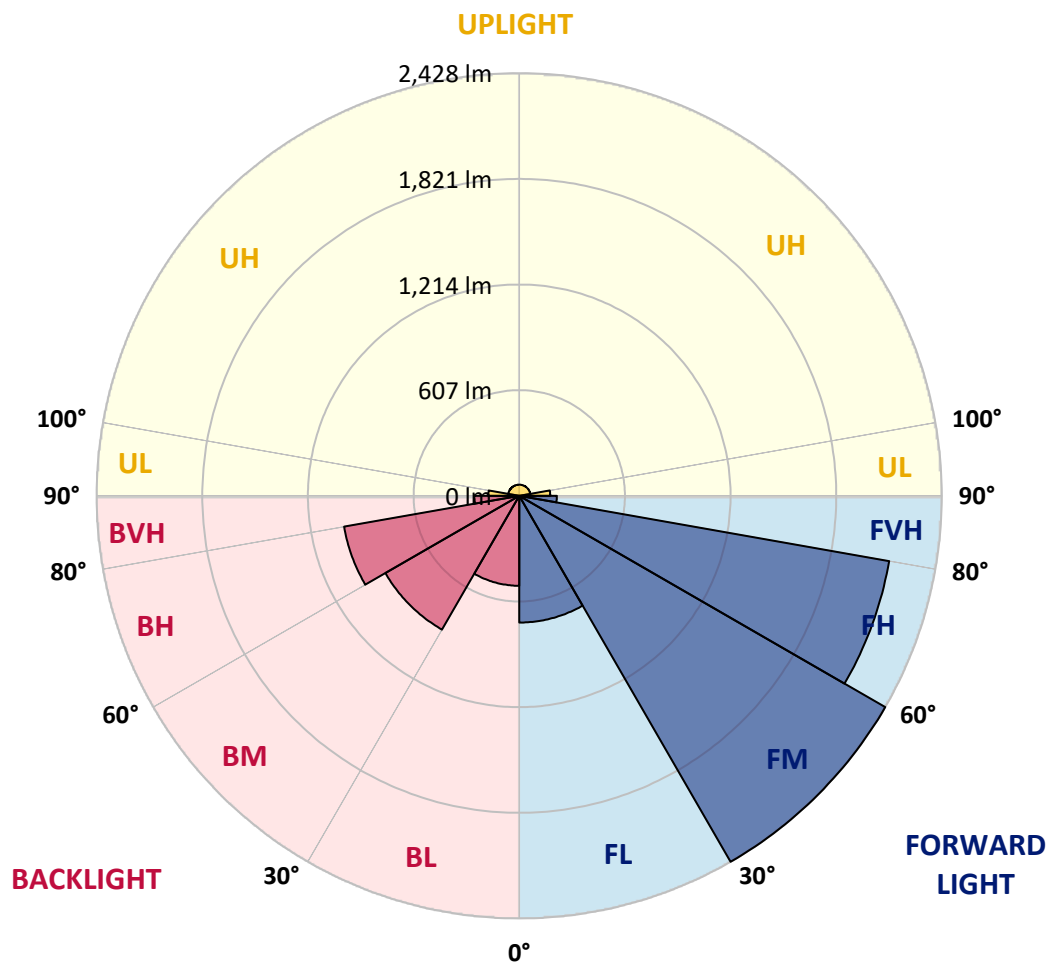
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.0	8.6			
FM	(30°-60°)	2427.6	28.7			
FH	(60°-80°)	2157.8	25.5			G2/5000
FVH	(80°-90°)	216.3	2.6			G2/225
BL	(0°-30°)	516.7	6.1	B2/1000		
BM	(30°-60°)	887.7	10.5	B1/1000		
BH	(60°-80°)	1021.5	12.1	B3/2500		G3/2500
BVH	(80°-90°)	258.1	3.1			G3/500
UL	(90°-100°)	178.1	2.1		U3/500	
UH	(100°-180°)	64.1	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6
2.5°	1355.4	1355.4	1355.4	1358.2	1366.6	1372.2	1375.0	1372.2	1375.0	1380.6	1386.2
5°	1394.6	1391.8	1389.0	1383.4	1380.6	1380.6	1383.4	1383.4	1389.0	1408.6	1419.8
7.5°	1431.0	1425.4	1422.6	1422.6	1419.8	1405.8	1403.0	1394.6	1391.8	1417.0	1433.8
10°	1498.2	1492.6	1475.8	1456.2	1450.6	1433.8	1408.6	1403.0	1405.8	1433.8	1439.4
12.5°	1559.8	1557.0	1545.8	1526.2	1498.2	1481.4	1445.0	1428.2	1431.0	1447.8	1436.6
15°	1663.4	1652.2	1618.6	1601.8	1573.8	1543.0	1495.4	1475.8	1481.4	1467.4	1461.8
17.5°	1725.1	1716.7	1716.7	1685.9	1666.2	1613.0	1568.2	1531.8	1545.8	1509.4	1478.6
20°	1781.1	1781.1	1783.9	1789.5	1753.1	1711.1	1649.4	1604.6	1607.4	1554.2	1509.4
22.5°	1867.9	1859.5	1867.9	1876.3	1851.1	1814.7	1739.1	1694.3	1674.7	1607.4	1548.6
25°	1957.5	1951.9	1951.9	1974.3	1982.7	1926.7	1856.7	1809.1	1781.1	1683.1	1604.6
27.5°	2047.1	2049.9	2058.3	2066.7	2080.7	2052.7	1982.7	1946.3	1909.9	1772.7	1694.3
30°	2119.9	2114.3	2150.7	2170.3	2184.3	2195.5	2117.1	2077.9	2038.7	1887.5	1795.1
32.5°	2201.1	2201.1	2234.7	2271.1	2290.7	2313.1	2248.7	2223.5	2181.5	2024.7	1963.1
35°	2268.3	2268.3	2318.7	2380.4	2416.8	2433.6	2400.0	2397.2	2388.8	2212.3	2122.7
37.5°	2041.5	2069.5	2147.9	2271.1	2411.2	2523.2	2531.6	2587.6	2615.6	2425.2	2310.3
40°	1781.1	1789.5	1881.9	1991.1	2122.7	2262.7	2397.2	2562.4	2542.8	2313.1	2212.3
42.5°	1604.6	1627.0	1744.7	1828.7	1915.5	2002.3	2002.3	1996.7	1856.7	1898.7	1859.5
45°	1587.8	1593.4	1691.5	1817.5	1851.1	1730.7	1562.6	1470.2	1481.4	1685.9	1778.3
47.5°	1761.5	1769.9	1870.7	1991.1	1870.7	1657.8	1492.6	1478.6	1470.2	1831.5	2145.1
50°	1853.9	1859.5	1954.7	2016.3	1828.7	1825.9	1828.7	1778.3	1733.5	2402.8	3077.7
52.5°	1909.9	1915.5	1909.9	1988.3	1923.9	2072.3	2021.9	1937.9	1904.3	2783.6	3634.9
55°	1761.5	1797.9	1949.1	2156.3	2161.9	2212.3	2192.7	2117.1	2114.3	2926.4	4052.2
57.5°	2178.7	2167.5	2226.3	2321.5	2338.4	2341.2	2352.4	2285.1	2304.7	2999.2	4041.0
60°	2467.2	2436.4	2374.8	2419.6	2439.2	2470.0	2509.2	2433.6	2456.0	3063.7	3864.6
62.5°	2738.8	2691.2	2453.2	2444.8	2475.6	2537.2	2593.2	2534.4	2554.0	3086.1	3741.4
65°	2699.6	2657.6	2478.4	2380.4	2425.2	2509.2	2587.6	2559.6	2554.0	3038.5	3590.1
67.5°	2327.1	2329.9	2310.3	2310.3	2293.5	2414.0	2540.0	2542.8	2514.8	2918.0	3363.3
70°	1999.5	1988.3	2019.1	2136.7	2153.5	2296.3	2464.4	2492.4	2456.0	2783.6	3144.9
72.5°	1702.7	1694.3	1699.9	1797.9	1937.9	2094.7	2285.1	2352.4	2299.1	2542.8	2878.8
75°	1408.6	1400.2	1397.4	1431.0	1543.0	1739.1	1957.5	2077.9	2033.1	2192.7	2489.6
77.5°	1069.8	1053.0	1053.0	1064.2	1148.2	1324.6	1534.6	1702.7	1680.3	1767.1	2007.9
80°	711.3	714.1	708.5	705.7	761.7	865.3	1019.4	1221.0	1209.8	1209.8	1333.0
82.5°	450.9	450.9	459.3	431.3	425.7	436.9	473.3	554.5	560.1	613.3	655.3
85°	288.4	291.2	291.2	263.2	254.8	263.2	288.4	313.6	324.8	378.1	425.7
87.5°	210.0	210.0	204.4	198.8	201.6	210.0	229.6	252.0	271.6	313.6	355.7
90°	159.6	159.6	156.8	154.0	159.6	170.8	196.0	221.2	246.4	294.0	333.2
92.5°	131.6	131.6	128.8	128.8	131.6	140.0	162.4	190.4	215.6	254.8	291.2
95°	109.2	112.0	109.2	112.0	114.8	120.4	134.4	156.8	173.6	198.8	224.0
97.5°	86.8	89.6	89.6	89.6	92.4	100.8	109.2	123.2	134.4	145.6	162.4
100°	64.4	67.2	67.2	67.2	70.0	78.4	86.8	92.4	95.2	98.0	106.4
102.5°	47.6	50.4	50.4	50.4	50.4	56.0	58.8	61.6	61.6	61.6	64.4
105°	33.6	33.6	33.6	33.6	33.6	33.6	36.4	36.4	36.4	36.4	36.4
107.5°	25.2	25.2	25.2	25.2	25.2	25.2	28.0	28.0	28.0	28.0	28.0
110°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	25.2	22.4	22.4	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.6	19.6	19.6	19.6	19.6	19.6	22.4	22.4	19.6	19.6	19.6
115°	16.8	16.8	16.8	16.8	16.8	16.8	19.6	19.6	16.8	16.8	16.8
117.5°	14.0	14.0	14.0	14.0	14.0	14.0	16.8	16.8	14.0	16.8	16.8
120°	14.0	16.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16.8
122.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.0	14.0
125°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2
130°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
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°	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6	1380.6
2.5°	1386.2	1391.8	1403.0	1414.2	1425.4	1436.6	1442.2	1445.0	1447.8	1442.2	1445.0
5°	1419.8	1425.4	1442.2	1459.0	1456.2	1447.8	1436.6	1436.6	1439.4	1439.4	1445.0
7.5°	1436.6	1445.0	1439.4	1442.2	1447.8	1439.4	1428.2	1414.2	1397.4	1397.4	1400.2
10°	1433.8	1425.4	1433.8	1425.4	1405.8	1403.0	1397.4	1377.8	1366.6	1369.4	1369.4
12.5°	1433.8	1431.0	1414.2	1405.8	1389.0	1358.2	1344.2	1349.8	1335.8	1338.6	1333.0
15°	1456.2	1436.6	1414.2	1386.2	1349.8	1333.0	1313.4	1282.6	1279.8	1279.8	1279.8
17.5°	1470.2	1456.2	1405.8	1349.8	1324.6	1282.6	1260.2	1251.8	1229.4	1237.8	1243.4
20°	1503.8	1470.2	1397.4	1338.6	1251.8	1226.6	1190.2	1181.8	1170.6	1137.0	1125.8
22.5°	1531.8	1501.0	1389.0	1285.4	1212.6	1153.8	1097.8	1058.6	1039.0	1025.0	1013.8
25°	1593.4	1545.8	1397.4	1260.2	1148.2	1072.6	1022.2	952.1	904.5	898.9	904.5
27.5°	1674.7	1599.0	1417.0	1226.6	1097.8	980.1	879.3	831.7	781.3	764.5	767.3
30°	1778.3	1677.5	1414.2	1195.8	1008.2	873.7	744.9	663.7	624.5	607.7	604.9
32.5°	1926.7	1786.7	1478.6	1156.6	926.9	725.3	585.3	484.5	464.9	462.1	459.3
35°	2072.3	1963.1	1509.4	1097.8	809.3	582.5	442.5	380.9	378.1	375.3	372.5
37.5°	2265.5	2136.7	1596.2	1061.4	697.3	439.7	355.7	310.8	302.4	288.4	294.0
40°	2178.7	2072.3	1621.4	1005.4	540.5	324.8	266.0	229.6	224.0	226.8	224.0
42.5°	1834.3	1755.9	1414.2	865.3	372.5	238.0	198.8	204.4	215.6	224.0	224.0
45°	1778.3	1624.2	1019.4	613.3	240.8	198.8	193.2	201.6	221.2	240.8	243.6
47.5°	2147.9	1951.9	893.3	473.3	277.2	226.8	207.2	207.2	218.4	221.2	218.4
50°	3044.1	2747.2	1044.6	543.3	344.5	274.4	238.0	224.0	229.6	235.2	232.4
52.5°	3691.0	3318.5	1190.2	649.7	431.3	327.6	280.0	246.4	240.8	240.8	238.0
55°	4069.0	3646.1	1361.0	800.9	540.5	394.9	324.8	285.6	271.6	260.4	260.4
57.5°	4088.6	3657.3	1540.2	949.3	674.9	492.9	386.5	333.2	322.0	296.8	291.2
60°	3951.4	3609.7	1677.5	1097.8	803.7	630.1	492.9	414.5	400.5	386.5	378.1
62.5°	3825.4	3531.3	1744.7	1221.0	940.9	784.1	627.3	518.1	473.3	490.1	501.3
65°	3662.9	3444.5	1699.9	1232.2	1002.6	876.5	725.3	565.7	490.1	526.5	546.1
67.5°	3413.7	3217.7	1587.8	1131.4	935.3	820.5	680.5	532.1	473.3	487.3	487.3
70°	3161.7	2951.6	1478.6	1053.0	842.9	722.5	590.9	476.1	467.7	459.3	459.3
72.5°	2864.8	2615.6	1335.8	1005.4	806.5	702.9	574.1	478.9	501.3	512.5	512.5
75°	2489.6	2212.3	1184.6	963.3	789.7	716.9	576.9	515.3	554.5	560.1	560.1
77.5°	2038.7	1736.3	1008.2	887.7	742.1	688.9	537.7	506.9	546.1	554.5	557.3
80°	1403.0	1229.4	845.7	772.9	663.7	618.9	495.7	492.9	532.1	551.7	554.5
82.5°	711.3	700.1	616.1	607.7	565.7	540.5	459.3	478.9	520.9	548.9	551.7
85°	439.7	456.5	411.7	406.1	420.1	431.3	417.3	456.5	487.3	518.1	523.7
87.5°	366.9	386.5	344.5	327.6	333.2	352.9	369.7	411.7	439.7	464.9	467.7
90°	344.5	361.3	294.0	280.0	291.2	305.2	316.4	338.9	361.3	375.3	375.3
92.5°	302.4	308.0	243.6	232.4	249.2	257.6	254.8	260.4	260.4	232.4	232.4
95°	232.4	232.4	184.8	184.8	198.8	201.6	182.0	165.2	154.0	92.4	78.4
97.5°	168.0	165.2	134.4	134.4	145.6	142.8	120.4	100.8	84.0	53.2	56.0
100°	112.0	109.2	89.6	95.2	100.8	89.6	75.6	61.6	50.4	33.6	39.2
102.5°	67.2	64.4	58.8	61.6	58.8	56.0	44.8	36.4	30.8	19.6	22.4
105°	39.2	36.4	36.4	36.4	36.4	33.6	30.8	22.4	16.8	11.2	11.2
107.5°	28.0	28.0	28.0	25.2	25.2	22.4	19.6	16.8	11.2	8.4	5.6
110°	25.2	22.4	22.4	22.4	19.6	19.6	16.8	14.0	8.4	5.6	5.6



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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	19.6	16.8	16.8	14.0	11.2	11.2	8.4	2.8	2.8
115°	16.8	16.8	14.0	14.0	11.2	11.2	8.4	8.4	5.6	2.8	2.8
117.5°	16.8	16.8	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
120°	16.8	14.0	11.2	8.4	8.4	8.4	5.6	5.6	2.8	0.0	2.8
122.5°	14.0	14.0	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
125°	11.2	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0
127.5°	11.2	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0
130°	8.4	8.4	5.6	5.6	5.6	5.6	2.8	2.8	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)