

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: P691587

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8035.1 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

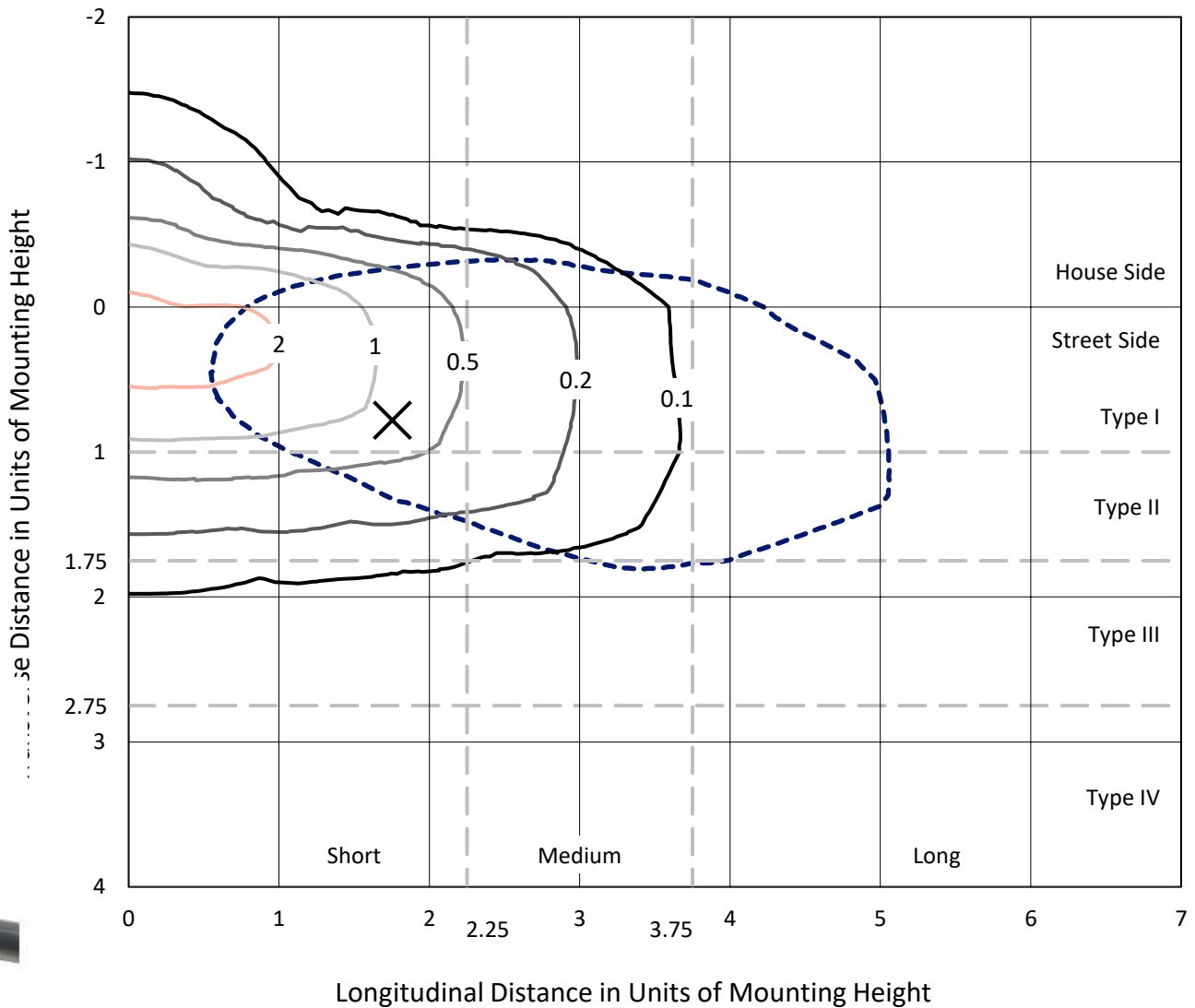
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

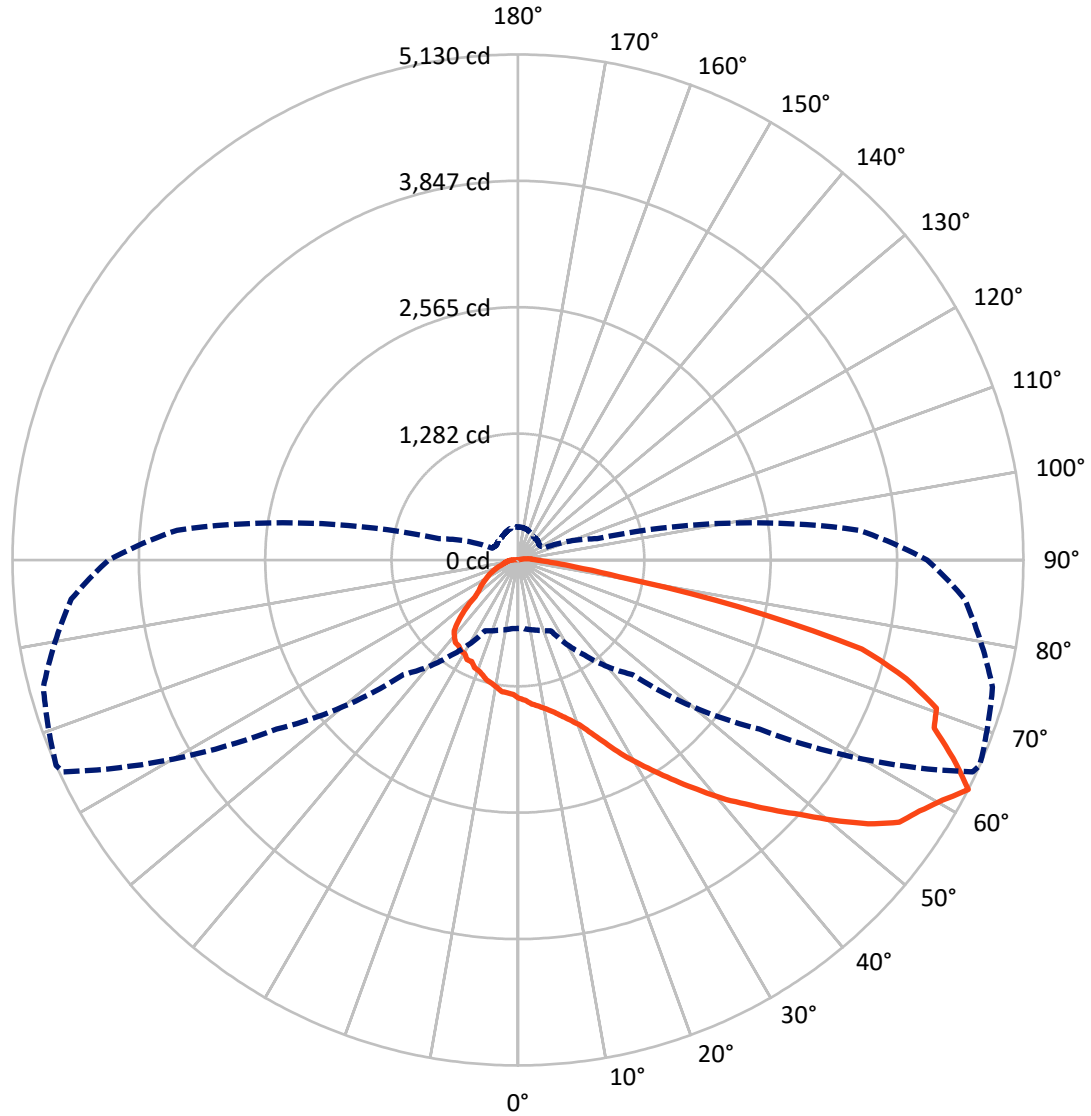
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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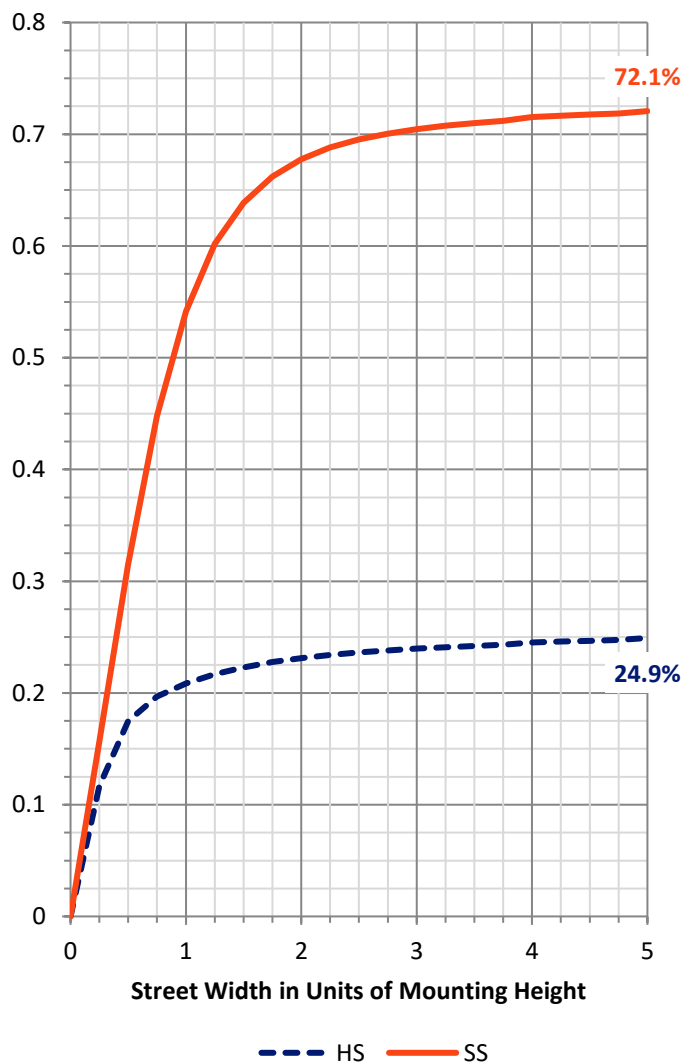
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2091.4	57.8	2149.3
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5828.6	57.2	5885.8
	% Fixture	72.5	0.7	73.3
Total	Lumens	7920.0	115.0	8035.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.7
10°-20°	404.0	5.0
20°-30°	683.6	8.5
30°-40°	1000.2	12.4
40°-50°	1307.3	16.3
50°-60°	1521.2	18.9
60°-70°	1521.9	18.9
70°-80°	1050.1	13.1
80°-90°	296.8	3.7
90°-100°	97.8	1.2
100°-110°	13.4	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7920.0	98.6
0°-180°	8035.1	100.0

Coefficient of Utilization

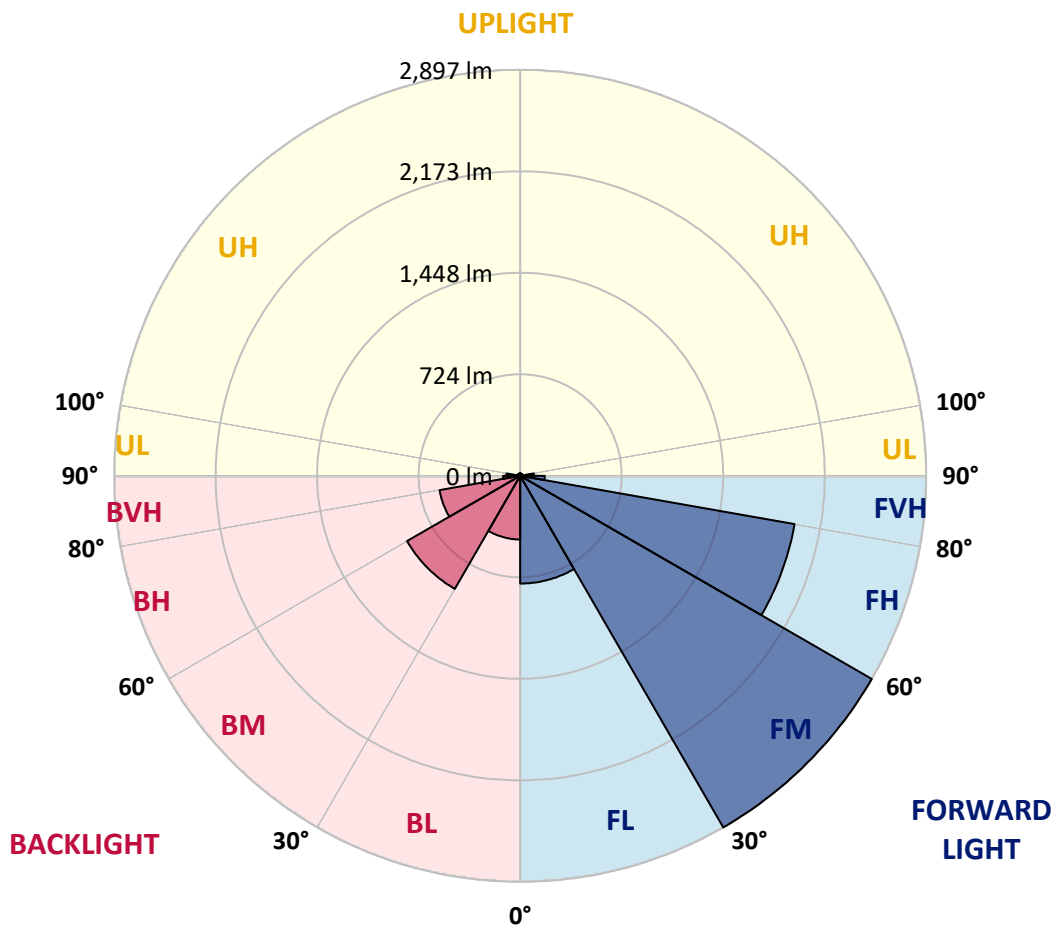


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.6	9.6			
FM (30°-60°)	2896.8	36.1			
FH (60°-80°)	1987.8	24.7			G2/5000
FVH (80°-90°)	175.3	2.2			G2/225
BL (0°-30°)	453.9	5.6	B1/500		
BM (30°-60°)	931.8	11.6	B1/1000		
BH (60°-80°)	584.2	7.3	B2/1000		G2/1000
BVH (80°-90°)	121.5	1.5			G2/225
UL (90°-100°)	97.8	1.2		U3/500	
UH (100°-180°)	17.2	0.2		U2/50	

BUG Rating: B2-U3-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9
2.5°	1475.9	1473.3	1473.3	1459.9	1446.6	1443.9	1435.9	1425.2	1425.2	1417.2	1403.9
5°	1564.0	1561.3	1564.0	1545.3	1526.6	1510.6	1483.9	1470.6	1467.9	1449.2	1422.5
7.5°	1625.4	1622.7	1620.0	1604.0	1596.0	1580.0	1542.6	1502.6	1497.3	1478.6	1443.9
10°	1649.4	1652.1	1665.4	1638.7	1622.7	1609.4	1588.0	1540.0	1534.6	1491.9	1438.6
12.5°	1713.5	1716.1	1708.1	1676.1	1670.8	1660.1	1625.4	1585.3	1580.0	1526.6	1451.9
15°	1780.2	1780.2	1769.5	1750.8	1737.5	1726.8	1684.1	1641.4	1638.7	1574.7	1486.6
17.5°	1809.5	1814.9	1817.5	1793.5	1788.2	1785.5	1764.2	1710.8	1705.4	1644.1	1534.6
20°	1828.2	1830.9	1833.6	1830.9	1833.6	1830.9	1841.6	1798.9	1785.5	1721.5	1588.0
22.5°	1865.6	1870.9	1889.6	1889.6	1897.6	1916.3	1908.3	1913.6	1908.3	1830.9	1678.8
25°	1884.3	1892.3	1916.3	1945.7	1980.3	2001.7	2031.1	2052.4	2055.1	1985.7	1817.5
27.5°	1854.9	1873.6	1935.0	1980.3	2060.4	2116.5	2185.9	2220.6	2225.9	2159.2	1967.0
30°	1892.3	1892.3	1929.6	1993.7	2092.4	2223.2	2330.0	2383.4	2388.7	2338.0	2116.5
32.5°	1822.9	1838.9	1924.3	2047.1	2188.5	2338.0	2442.1	2546.2	2559.5	2543.5	2330.0
35°	1814.9	1822.9	1876.3	2004.4	2193.9	2444.7	2588.9	2725.0	2751.7	2757.0	2535.5
37.5°	1740.1	1750.8	1849.6	2009.7	2268.6	2519.5	2703.6	2927.8	2951.8	2989.2	2714.3
40°	1646.7	1662.7	1742.8	1921.6	2247.2	2607.5	2826.4	3141.3	3176.0	3221.4	2949.2
42.5°	1524.0	1553.3	1689.4	1881.6	2236.6	2636.9	2943.8	3354.8	3386.9	3434.9	3146.7
45°	1419.9	1427.9	1537.3	1737.5	2151.2	2676.9	3053.3	3595.1	3616.4	3640.4	3306.8
47.5°	1326.5	1342.5	1435.9	1622.7	2060.4	2668.9	3149.3	3821.9	3859.3	3931.3	3501.6
50°	1048.9	1086.3	1350.5	1524.0	1921.6	2644.9	3229.4	4088.8	4150.2	4176.9	3723.2
52.5°	907.4	918.1	1051.6	1427.9	1766.8	2564.8	3298.8	4379.7	4449.1	4387.7	3990.1
55°	838.0	848.7	910.1	1233.0	1646.7	2402.0	3352.2	4654.6	4697.3	4553.2	4187.6
57.5°	800.7	808.7	840.7	998.2	1499.9	2143.2	3357.5	4790.7	4806.7	4684.0	4289.0
60°	736.6	744.6	800.7	870.1	1337.1	1868.3	3264.1	4868.1	4950.9	4844.1	4483.8
62.5°	693.9	699.3	736.6	792.7	1179.7	1644.1	2991.9	5089.7	5129.7	4985.6	4550.5
65°	640.5	645.9	680.6	731.3	1078.2	1518.6	2874.4	4998.9	4852.1	4950.9	4638.6
67.5°	579.2	587.2	619.2	661.9	910.1	1395.9	2535.5	4660.0	4555.9	4774.7	4409.1
70°	523.1	528.4	563.1	587.2	747.3	1235.7	2105.8	4395.7	4505.2	4502.5	4200.9
72.5°	461.7	467.1	496.4	517.8	624.5	1046.2	1670.8	4091.5	4123.5	4008.7	3717.8
75°	397.7	400.3	427.0	448.4	512.4	838.0	1219.7	3384.2	3605.7	3832.6	3216.1
77.5°	320.3	328.3	349.6	360.3	411.0	669.9	795.3	2004.4	2289.9	3370.9	2874.4
80°	240.2	240.2	256.2	261.6	304.3	499.1	501.8	966.2	1038.2	2143.2	2135.1
82.5°	152.1	160.1	176.1	173.5	205.5	285.6	317.6	536.5	576.5	848.7	947.5
85°	122.8	125.4	136.1	128.1	136.1	154.8	178.8	339.0	352.3	517.8	515.1
87.5°	101.4	104.1	112.1	106.8	109.4	117.4	138.8	226.9	232.2	333.6	344.3
90°	77.4	80.1	90.7	88.1	85.4	96.1	114.8	173.5	181.5	264.2	282.9
92.5°	50.7	50.7	58.7	58.7	58.7	69.4	101.4	133.4	138.8	240.2	253.5
95°	37.4	37.4	40.0	42.7	40.0	50.7	74.7	120.1	130.8	224.2	218.9
97.5°	24.0	24.0	26.7	29.4	26.7	32.0	42.7	85.4	96.1	173.5	170.8
100°	16.0	16.0	16.0	16.0	16.0	16.0	24.0	56.0	64.1	109.4	106.8
102.5°	10.7	10.7	10.7	10.7	8.0	8.0	10.7	26.7	29.4	58.7	56.0
105°	2.7	2.7	5.3	5.3	5.3	2.7	2.7	10.7	13.3	24.0	24.0
107.5°	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	2.7	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	2.7	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°	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9	1403.9
2.5°	1398.5	1390.5	1377.2	1363.8	1355.8	1347.8	1334.5	1323.8	1323.8	1337.1	1337.1
5°	1403.9	1387.8	1361.2	1350.5	1337.1	1318.5	1297.1	1281.1	1273.1	1283.8	1286.4
7.5°	1417.2	1393.2	1366.5	1342.5	1297.1	1262.4	1243.7	1222.4	1219.7	1230.4	1235.7
10°	1406.5	1382.5	1350.5	1305.1	1257.1	1230.4	1195.7	1169.0	1169.0	1161.0	1166.3
12.5°	1417.2	1385.2	1321.1	1273.1	1230.4	1171.7	1129.0	1102.3	1099.6	1107.6	1107.6
15°	1443.9	1395.9	1313.1	1254.4	1185.0	1126.3	1083.6	1054.2	1062.2	1046.2	1048.9
17.5°	1475.9	1403.9	1313.1	1211.7	1134.3	1078.2	1019.5	984.8	987.5	990.2	992.8
20°	1516.0	1425.2	1299.8	1179.7	1086.3	1006.2	939.5	912.8	904.8	910.1	912.8
22.5°	1577.3	1473.3	1294.4	1163.7	1019.5	942.1	883.4	830.0	824.7	824.7	824.7
25°	1678.8	1545.3	1318.5	1110.3	984.8	867.4	800.7	750.0	725.9	728.6	731.3
27.5°	1833.6	1660.1	1342.5	1112.9	904.8	800.7	717.9	661.9	648.6	651.2	653.9
30°	1996.4	1814.9	1403.9	1059.6	859.4	699.3	613.9	573.8	557.8	549.8	552.5
32.5°	2121.8	1951.0	1489.3	1043.6	776.7	589.8	536.5	504.4	483.1	475.1	475.1
35°	2322.0	2084.4	1558.7	1003.5	691.3	520.4	477.7	443.0	432.4	427.0	427.0
37.5°	2492.8	2231.2	1630.7	987.5	587.2	467.1	413.7	392.3	392.3	387.0	384.3
40°	2676.9	2386.0	1670.8	939.5	507.1	411.0	357.6	355.0	363.0	363.0	363.0
42.5°	2898.5	2546.2	1713.5	883.4	445.7	347.0	317.6	339.0	357.6	363.0	363.0
45°	3063.9	2647.6	1732.1	763.3	384.3	301.6	312.3	333.6	357.6	365.6	363.0
47.5°	3205.4	2794.4	1705.4	616.5	330.9	293.6	306.9	325.6	355.0	365.6	365.6
50°	3346.8	2919.8	1686.8	445.7	309.6	293.6	306.9	314.9	347.0	360.3	360.3
52.5°	3555.0	3018.6	1612.0	373.7	293.6	296.3	312.3	312.3	341.6	357.6	365.6
55°	3821.9	3245.4	1470.6	349.6	288.2	293.6	314.9	314.9	336.3	352.3	357.6
57.5°	3931.3	3325.5	1227.7	328.3	282.9	293.6	306.9	312.3	339.0	349.6	347.0
60°	4075.5	3456.3	1006.2	306.9	272.2	288.2	296.3	314.9	336.3	339.0	336.3
62.5°	4152.9	3472.3	832.7	285.6	264.2	280.2	282.9	304.3	325.6	333.6	336.3
65°	4195.6	3456.3	616.5	264.2	256.2	269.6	272.2	290.9	312.3	317.6	320.3
67.5°	4040.8	3346.8	427.0	242.9	248.2	256.2	261.6	280.2	296.3	312.3	317.6
70°	3763.2	3029.2	304.3	216.2	234.9	242.9	253.5	272.2	288.2	309.6	314.9
72.5°	3456.3	2439.4	224.2	184.2	216.2	226.9	245.5	258.9	282.9	309.6	317.6
75°	3168.0	2140.5	178.8	157.5	184.2	208.2	232.2	250.9	285.6	379.0	392.3
77.5°	2247.2	1446.6	160.1	138.8	157.5	181.5	213.5	245.5	397.7	451.0	453.7
80°	1630.7	851.4	144.1	122.8	136.1	146.8	194.8	301.6	440.4	416.4	416.4
82.5°	816.7	456.4	136.1	109.4	117.4	120.1	173.5	384.3	355.0	371.0	373.7
85°	395.0	221.5	112.1	96.1	101.4	98.8	162.8	365.6	336.3	339.0	333.6
87.5°	248.2	136.1	88.1	80.1	82.7	80.1	154.8	349.6	352.3	288.2	293.6
90°	224.2	160.1	69.4	64.1	56.0	66.7	138.8	325.6	344.3	208.2	173.5
92.5°	216.2	173.5	50.7	45.4	40.0	53.4	104.1	264.2	210.8	88.1	53.4
95°	192.2	152.1	42.7	32.0	37.4	45.4	66.7	176.1	141.5	0.0	0.0
97.5°	144.1	112.1	34.7	21.4	120.1	40.0	37.4	114.8	40.0	0.0	0.0
100°	90.7	69.4	26.7	16.0	136.1	26.7	24.0	66.7	0.0	0.0	0.0
102.5°	50.7	37.4	13.3	10.7	58.7	13.3	16.0	16.0	0.0	0.0	0.0
105°	21.4	18.7	5.3	5.3	5.3	2.7	8.0	0.0	0.0	0.0	0.0
107.5°	5.3	8.0	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
110°	2.7	2.7	2.7	2.7	2.7	2.7	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°
112.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
115°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
120°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
125°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
127.5°	2.7	2.7	2.7	5.3	2.7	2.7	0.0	0.0	0.0	0.0	0.0
130°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
155°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
162.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
165°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
167.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.7	2.7	2.7	2.7	2.7	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)