

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: P691457

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6600 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): 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



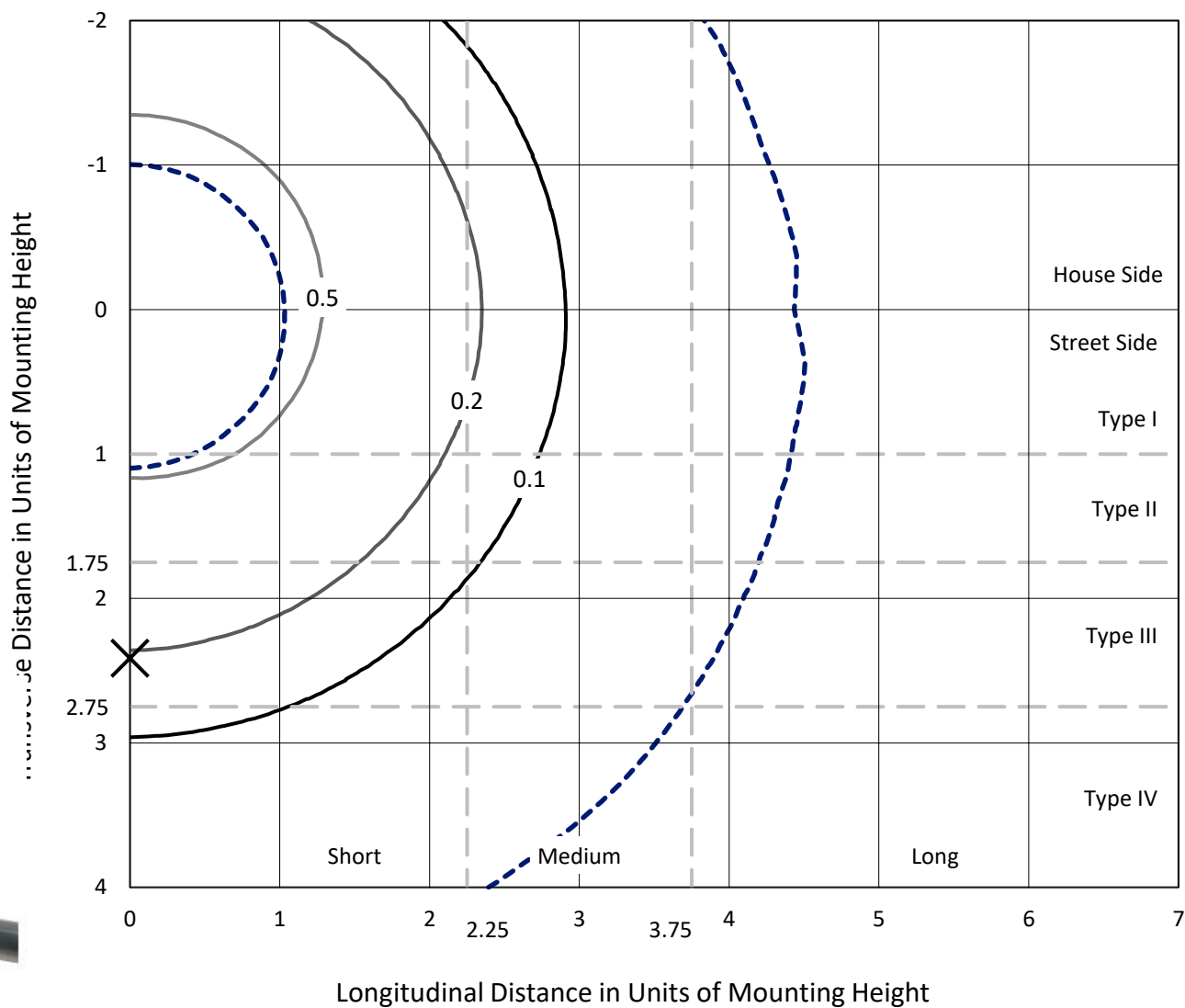
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

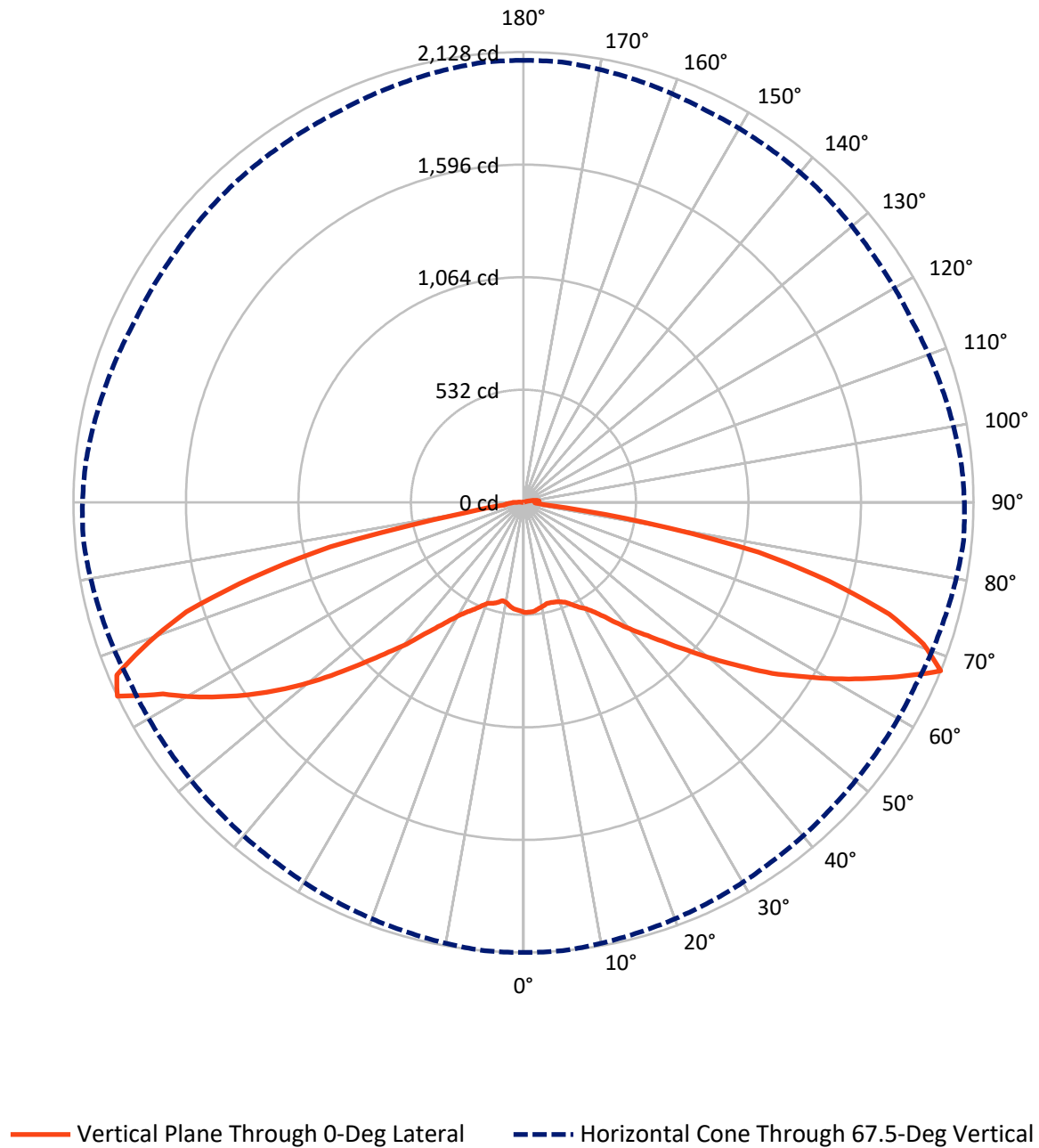
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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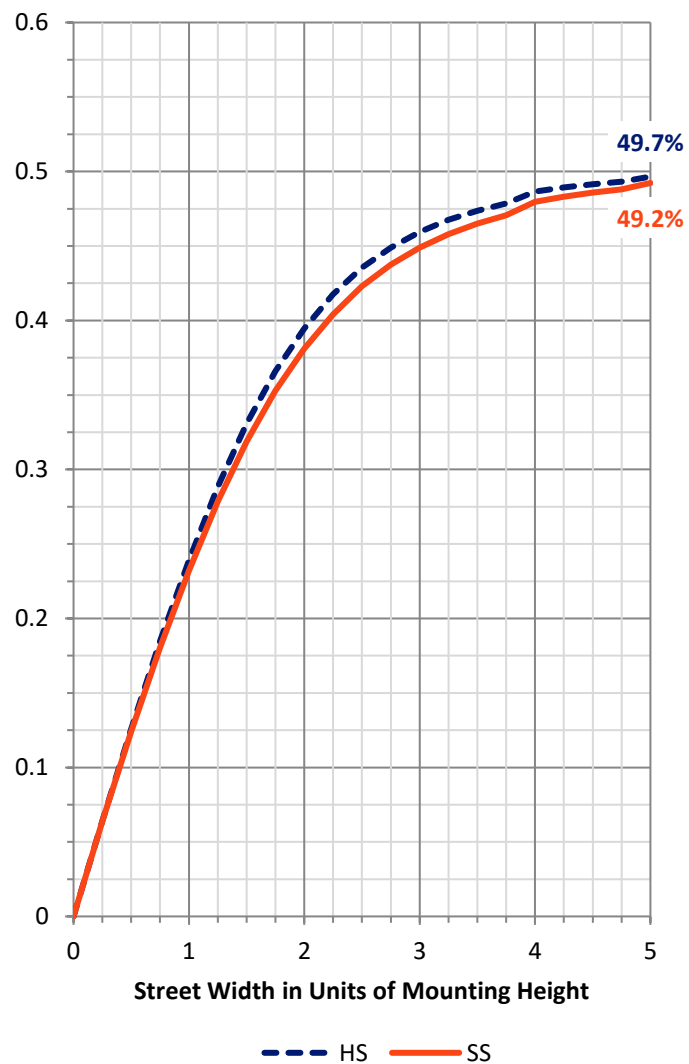
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3267.8	31.0	3298.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3257.4	43.8	3301.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	6525.2	74.8	6600.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.7
10°-20°	143.6	2.2
20°-30°	259.6	3.9
30°-40°	447.7	6.8
40°-50°	794.2	12.0
50°-60°	1352.1	20.5
60°-70°	1937.1	29.4
70°-80°	1408.5	21.3
80°-90°	133.7	2.0
90°-100°	60.3	0.9
100°-110°	14.4	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	6525.2	98.9
0°-180°	6600.0	100.0

Coefficient of Utilization



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	520.3	520.3	520.3	520.3	520.3	520.3	518.2	514.1	514.1	514.1	514.1
5°	518.2	518.2	518.2	518.2	520.3	520.3	520.3	516.2	516.2	516.2	516.2
7.5°	507.9	507.9	510.0	510.0	512.1	514.1	512.1	512.1	512.1	514.1	514.1
10°	499.7	499.7	501.8	501.8	503.8	503.8	507.9	507.9	510.0	512.1	512.1
12.5°	491.5	491.5	493.5	497.7	499.7	501.8	503.8	505.9	510.0	512.1	512.1
15°	491.5	491.5	491.5	495.6	501.8	505.9	507.9	512.1	516.2	518.2	520.3
17.5°	495.6	495.6	495.6	499.7	503.8	510.0	516.2	518.2	522.3	526.5	526.5
20°	501.8	501.8	503.8	507.9	514.1	518.2	522.3	528.5	532.6	536.7	538.8
22.5°	514.1	516.2	516.2	518.2	524.4	530.6	534.7	538.8	545.0	549.1	553.2
25°	536.7	534.7	534.7	538.8	542.9	549.1	551.1	555.2	561.4	567.6	569.6
27.5°	561.4	559.4	559.4	563.5	567.6	571.7	573.8	579.9	586.1	592.3	594.3
30°	584.0	584.0	586.1	590.2	594.3	600.5	602.5	608.7	612.8	621.0	621.0
32.5°	619.0	621.0	623.1	625.2	629.3	635.4	641.6	643.7	647.8	654.0	658.1
35°	666.3	670.4	670.4	672.5	682.7	688.9	684.8	691.0	697.1	705.4	709.5
37.5°	728.0	725.9	732.1	740.3	742.4	748.5	746.5	750.6	758.8	769.1	775.3
40°	793.8	795.8	795.8	797.9	804.1	806.1	814.4	820.5	828.8	843.1	847.3
42.5°	861.7	865.8	869.9	871.9	882.2	884.3	890.4	898.7	909.0	919.2	923.3
45°	946.0	943.9	954.2	958.3	968.6	980.9	980.9	985.0	1001.5	1011.8	1017.9
47.5°	1046.7	1050.8	1057.0	1063.2	1079.6	1081.7	1092.0	1098.1	1108.4	1118.7	1120.8
50°	1164.0	1164.0	1170.1	1182.5	1192.7	1203.0	1209.2	1217.4	1225.6	1242.1	1250.3
52.5°	1287.3	1289.4	1297.6	1310.0	1326.4	1328.5	1334.6	1349.0	1355.2	1359.3	1373.7
55°	1427.2	1421.0	1427.2	1445.7	1464.2	1462.1	1464.2	1480.6	1490.9	1499.2	1503.3
57.5°	1554.7	1554.7	1560.8	1575.2	1579.4	1585.5	1587.6	1602.0	1614.3	1624.6	1626.7
60°	1694.5	1692.5	1696.6	1708.9	1723.3	1723.3	1721.3	1735.6	1748.0	1750.0	1764.4
62.5°	1834.4	1828.2	1832.3	1840.5	1848.8	1840.5	1848.8	1861.1	1871.4	1879.6	1883.7
65°	1980.4	1972.1	1974.2	1966.0	1953.6	1943.3	1961.9	1996.8	2027.7	2044.1	2046.2
67.5°	2128.4	2128.4	2105.8	2085.2	2064.7	2052.3	2046.2	2046.2	2066.7	2089.4	2085.2
70°	2007.1	2011.2	1992.7	1978.3	1945.4	1935.1	1929.0	1908.4	1918.7	1924.8	1910.4
72.5°	1809.7	1787.1	1778.8	1772.7	1748.0	1729.5	1708.9	1694.5	1688.3	1692.5	1676.0
75°	1495.0	1540.3	1515.6	1503.3	1486.8	1478.6	1425.1	1408.7	1406.6	1423.1	1423.1
77.5°	1137.2	1161.9	1145.4	1151.6	1126.9	1122.8	1102.3	1083.8	1069.4	1065.2	1024.1
80°	590.2	608.7	612.8	633.4	629.3	616.9	602.5	549.1	534.7	542.9	503.8
82.5°	106.9	111.0	113.1	115.2	106.9	111.0	113.1	102.8	109.0	106.9	102.8
85°	61.7	61.7	63.8	63.8	59.6	55.5	59.6	57.6	57.6	61.7	61.7
87.5°	53.5	55.5	57.6	57.6	51.4	47.3	51.4	51.4	53.5	55.5	55.5
90°	55.5	55.5	59.6	59.6	53.5	49.4	55.5	57.6	57.6	57.6	59.6
92.5°	74.0	72.0	74.0	74.0	67.9	63.8	72.0	72.0	72.0	72.0	74.0
95°	72.0	69.9	72.0	69.9	65.8	61.7	67.9	69.9	69.9	69.9	72.0
97.5°	61.7	61.7	61.7	61.7	55.5	53.5	61.7	61.7	59.6	59.6	61.7
100°	47.3	45.2	45.2	45.2	43.2	43.2	47.3	45.2	43.2	45.2	47.3
102.5°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	28.8	28.8	28.8	32.9
105°	18.5	18.5	16.5	16.5	16.5	16.5	16.5	14.4	14.4	14.4	18.5
107.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	6.2
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°	75°	85°	90°
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	0.0
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	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3	520.3
2.5°	516.2	516.2	518.2	516.2	516.2	514.1	512.1	510.0	512.1	512.1
5°	516.2	518.2	516.2	514.1	512.1	510.0	510.0	505.9	505.9	507.9
7.5°	514.1	518.2	514.1	512.1	505.9	503.8	501.8	497.7	497.7	497.7
10°	512.1	512.1	510.0	501.8	497.7	491.5	489.4	485.3	483.3	481.2
12.5°	512.1	512.1	505.9	499.7	493.5	485.3	483.3	479.2	477.1	475.0
15°	518.2	520.3	516.2	507.9	497.7	495.6	489.4	487.4	485.3	489.4
17.5°	528.5	526.5	522.3	514.1	507.9	505.9	497.7	497.7	495.6	499.7
20°	538.8	534.7	530.6	526.5	518.2	514.1	514.1	507.9	510.0	505.9
22.5°	551.1	553.2	547.0	540.8	534.7	532.6	530.6	530.6	528.5	528.5
25°	571.7	571.7	567.6	561.4	557.3	553.2	551.1	553.2	549.1	555.2
27.5°	596.4	594.3	594.3	590.2	584.0	582.0	579.9	582.0	579.9	579.9
30°	621.0	625.2	621.0	619.0	614.9	614.9	612.8	612.8	614.9	612.8
32.5°	660.1	662.2	662.2	660.1	656.0	654.0	654.0	656.0	660.1	658.1
35°	711.5	713.6	717.7	721.8	721.8	717.7	713.6	711.5	713.6	713.6
37.5°	779.4	781.5	785.6	785.6	783.5	781.5	783.5	787.6	779.4	779.4
40°	849.3	847.3	851.4	855.5	857.5	855.5	853.4	857.5	861.7	867.8
42.5°	927.5	931.6	933.6	941.9	946.0	946.0	943.9	950.1	952.1	952.1
45°	1020.0	1030.3	1026.2	1040.6	1052.9	1055.0	1048.8	1052.9	1048.8	1052.9
47.5°	1126.9	1135.2	1143.4	1155.7	1161.9	1166.0	1164.0	1168.1	1172.2	1172.2
50°	1248.3	1254.4	1268.8	1285.3	1295.6	1295.6	1287.3	1295.6	1303.8	1301.7
52.5°	1375.8	1388.1	1402.5	1416.9	1425.1	1427.2	1427.2	1433.3	1431.3	1431.3
55°	1509.4	1519.7	1538.2	1546.5	1556.7	1560.8	1560.8	1562.9	1560.8	1560.8
57.5°	1636.9	1649.3	1663.7	1680.1	1690.4	1694.5	1690.4	1690.4	1690.4	1686.3
60°	1768.5	1776.8	1791.2	1803.5	1809.7	1817.9	1817.9	1815.8	1813.8	1811.7
62.5°	1889.9	1894.0	1898.1	1900.2	1906.3	1922.8	1922.8	1933.1	1933.1	1931.0
65°	2048.2	2029.7	2013.3	2017.4	2031.8	2046.2	2058.5	2099.6	2120.2	2128.4
67.5°	2079.1	2052.3	2027.7	2025.6	2033.8	2037.9	2044.1	2066.7	2089.4	2089.4
70°	1898.1	1881.7	1859.0	1869.3	1875.5	1869.3	1877.5	1891.9	1912.5	1894.0
72.5°	1663.7	1636.9	1653.4	1663.7	1653.4	1645.2	1649.3	1647.2	1661.6	1676.0
75°	1404.6	1349.0	1349.0	1349.0	1353.1	1334.6	1334.6	1336.7	1363.4	1326.4
77.5°	1040.6	1001.5	991.2	950.1	946.0	921.3	937.7	927.5	952.1	937.7
80°	485.3	468.9	462.7	421.6	413.3	347.5	372.2	331.1	343.4	308.5
82.5°	100.8	98.7	96.7	86.4	78.1	67.9	80.2	90.5	92.5	90.5
85°	63.8	65.8	65.8	61.7	57.6	51.4	61.7	76.1	80.2	80.2
87.5°	55.5	57.6	57.6	55.5	51.4	45.2	51.4	57.6	59.6	57.6
90°	59.6	61.7	59.6	57.6	53.5	47.3	53.5	55.5	45.2	47.3
92.5°	72.0	72.0	69.9	69.9	67.9	59.6	65.8	53.5	20.6	6.2
95°	69.9	67.9	67.9	65.8	63.8	53.5	53.5	14.4	0.0	0.0
97.5°	59.6	55.5	55.5	53.5	53.5	45.2	32.9	0.0	0.0	0.0
100°	45.2	39.1	39.1	37.0	37.0	30.8	12.3	0.0	0.0	0.0
102.5°	30.8	24.7	22.6	20.6	20.6	18.5	2.1	0.0	0.0	0.0
105°	16.5	10.3	8.2	6.2	6.2	4.1	0.0	0.0	0.0	0.0
107.5°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)