

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: P690898

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690898
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-C01-5TLD-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

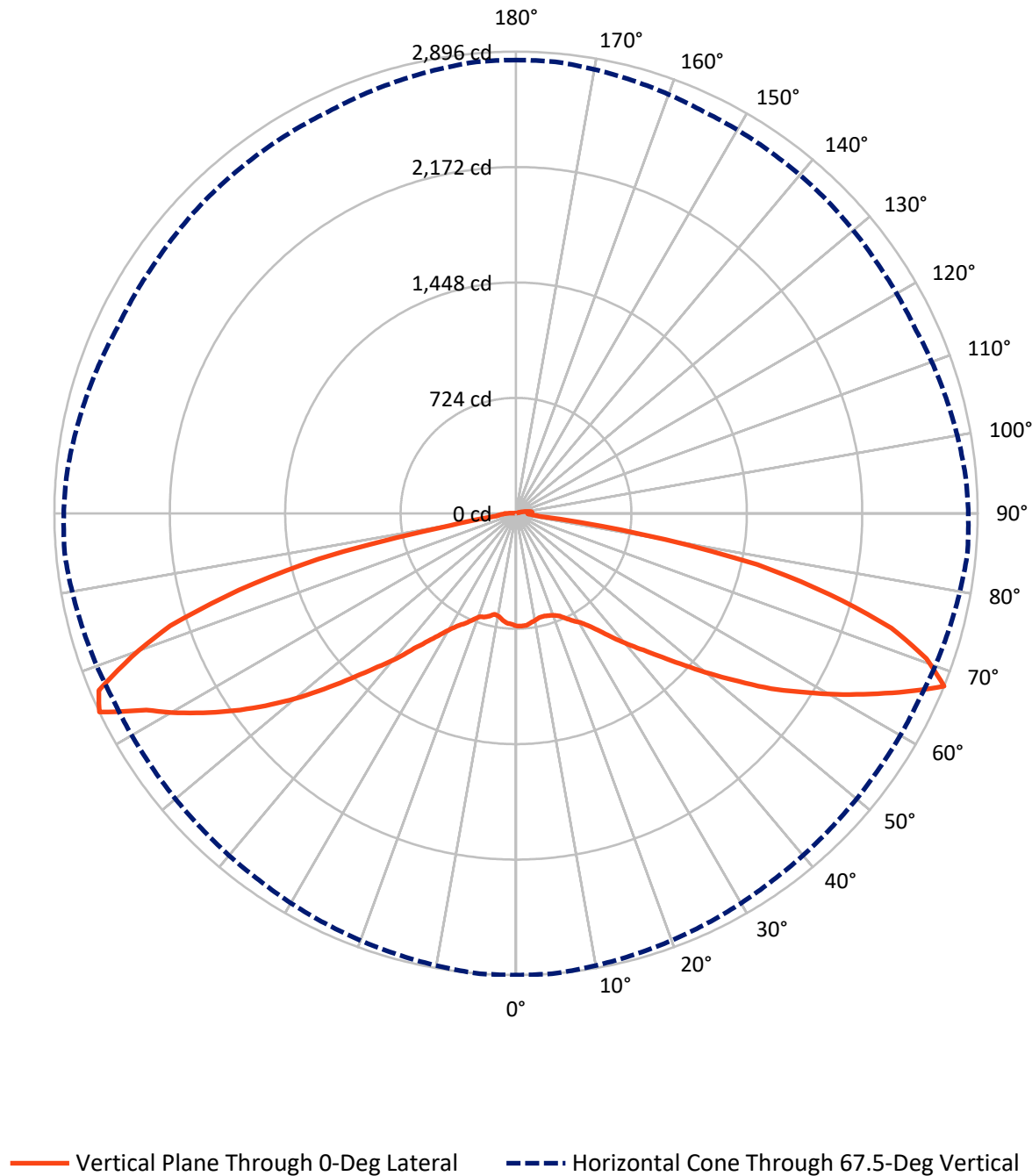
Lumens per Lamp: N/A
Luminaire Lumens: 8978.9 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

Input Watts (W): 60
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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Luminous Intensity Polar Plot



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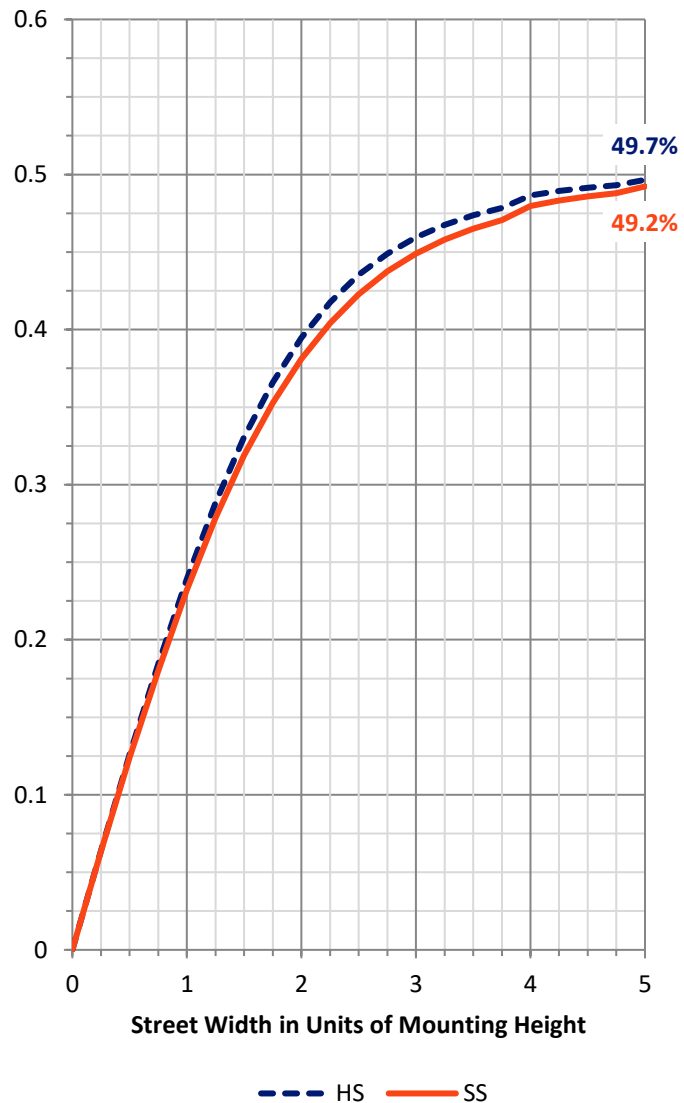
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4445.7	42.1	4487.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4431.6	59.6	4491.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	8877.2	101.7	8978.9
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	0.7
10°-20°	195.4	2.2
20°-30°	353.2	3.9
30°-40°	609.1	6.8
40°-50°	1080.5	12.0
50°-60°	1839.4	20.5
60°-70°	2635.4	29.4
70°-80°	1916.2	21.3
80°-90°	181.9	2.0
90°-100°	82.1	0.9
100°-110°	19.6	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°	8877.2	98.9
0°-180°	8978.9	100.0

Coefficient of Utilization



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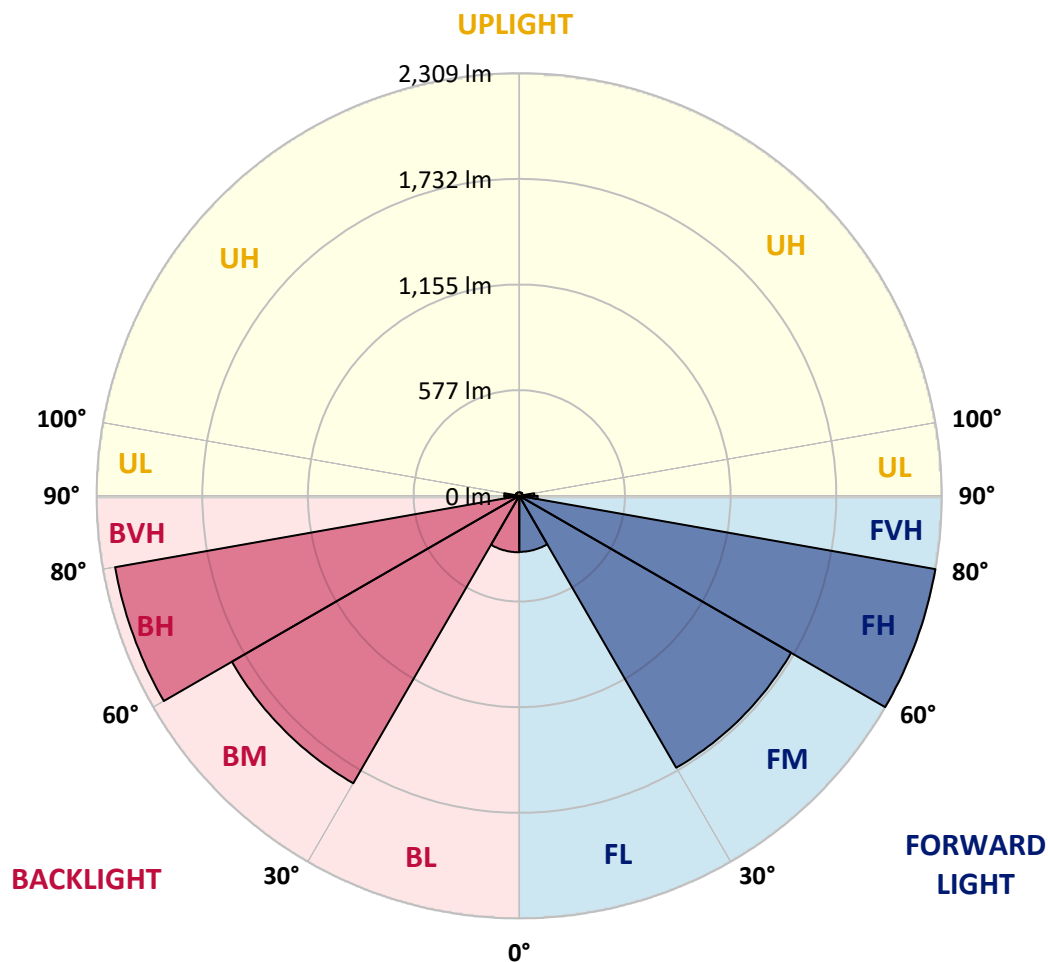
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.0	3.4			
FM	(30°-60°)	1715.4	19.1			
FH	(60°-80°)	2309.1	25.7			G2/5000
FVH	(80°-90°)	101.0	1.1			G2/225
BL	(0°-30°)	308.8	3.4	B1/500		
BM	(30°-60°)	1813.5	20.2	B2/2500		
BH	(60°-80°)	2242.4	25.0	B3/2500		G2/5000
BVH	(80°-90°)	80.9	0.9			G1/100
UL	(90°-100°)	82.1	0.9		U3/500	
UH	(100°-180°)	19.6	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8
2.5°	707.8	707.8	707.8	707.8	707.8	707.8	705.0	699.4	699.4	699.4	699.4
5°	705.0	705.0	705.0	705.0	707.8	707.8	707.8	702.2	702.2	702.2	702.2
7.5°	691.0	691.0	693.8	693.8	696.6	699.4	696.6	696.6	696.6	699.4	699.4
10°	679.8	679.8	682.6	682.6	685.4	685.4	691.0	691.0	693.8	696.6	696.6
12.5°	668.7	668.7	671.5	677.0	679.8	682.6	685.4	688.2	693.8	696.6	696.6
15°	668.7	668.7	668.7	674.2	682.6	688.2	691.0	696.6	702.2	705.0	707.8
17.5°	674.2	674.2	674.2	679.8	685.4	693.8	702.2	705.0	710.6	716.2	716.2
20°	682.6	682.6	685.4	691.0	699.4	705.0	710.6	719.0	724.6	730.2	733.0
22.5°	699.4	702.2	702.2	705.0	713.4	721.8	727.4	733.0	741.4	747.0	752.6
25°	730.2	727.4	727.4	733.0	738.6	747.0	749.8	755.4	763.8	772.2	775.0
27.5°	763.8	761.0	761.0	766.6	772.2	777.8	780.6	789.0	797.3	805.7	808.5
30°	794.5	794.5	797.3	802.9	808.5	816.9	819.7	828.1	833.7	844.9	844.9
32.5°	842.1	844.9	847.7	850.5	856.1	864.5	872.9	875.7	881.3	889.7	895.3
35°	906.5	912.1	912.1	914.9	928.8	937.2	931.6	940.0	948.4	959.6	965.2
37.5°	990.4	987.6	996.0	1007.2	1010.0	1018.4	1015.6	1021.2	1032.4	1046.3	1054.7
40°	1079.9	1082.7	1082.7	1085.5	1093.9	1096.7	1107.9	1116.3	1127.5	1147.1	1152.7
42.5°	1172.2	1177.8	1183.4	1186.2	1200.2	1203.0	1211.4	1222.6	1236.6	1250.6	1256.2
45°	1286.9	1284.1	1298.1	1303.7	1317.7	1334.5	1334.5	1340.1	1362.5	1376.5	1384.9
47.5°	1424.0	1429.6	1438.0	1446.4	1468.8	1471.6	1485.6	1494.0	1508.0	1522.0	1524.8
50°	1583.5	1583.5	1591.9	1608.7	1622.7	1636.7	1645.1	1656.2	1667.4	1689.8	1701.0
52.5°	1751.4	1754.2	1765.4	1782.1	1804.5	1807.3	1815.7	1835.3	1843.7	1849.3	1868.9
55°	1941.6	1933.2	1941.6	1966.8	1992.0	1989.2	1992.0	2014.4	2028.3	2039.5	2045.1
57.5°	2115.1	2115.1	2123.5	2143.0	2148.6	2157.0	2159.8	2179.4	2196.2	2210.2	2213.0
60°	2305.3	2302.5	2308.1	2324.9	2344.5	2344.5	2341.7	2361.3	2378.1	2380.9	2400.4
62.5°	2495.6	2487.2	2492.8	2504.0	2515.1	2504.0	2515.1	2531.9	2545.9	2557.1	2562.7
65°	2694.2	2683.0	2685.8	2674.6	2657.8	2643.8	2669.0	2716.6	2758.5	2780.9	2783.7
67.5°	2895.6	2895.6	2864.9	2836.9	2808.9	2792.1	2783.7	2783.7	2811.7	2842.5	2836.9
70°	2730.6	2736.2	2711.0	2691.4	2646.6	2632.6	2624.3	2596.3	2610.3	2618.7	2599.1
72.5°	2462.0	2431.2	2420.0	2411.6	2378.1	2352.9	2324.9	2305.3	2296.9	2302.5	2280.1
75°	2033.9	2095.5	2061.9	2045.1	2022.7	2011.6	1938.8	1916.4	1913.6	1936.0	1936.0
77.5°	1547.1	1580.7	1558.3	1566.7	1533.1	1527.5	1499.6	1474.4	1454.8	1449.2	1393.3
80°	802.9	828.1	833.7	861.7	856.1	839.3	819.7	747.0	727.4	738.6	685.4
82.5°	145.5	151.1	153.9	156.7	145.5	151.1	153.9	139.9	148.3	145.5	139.9
85°	83.9	83.9	86.7	86.7	81.1	75.5	81.1	78.3	78.3	83.9	83.9
87.5°	72.7	75.5	78.3	78.3	69.9	64.3	69.9	69.9	72.7	75.5	75.5
90°	75.5	75.5	81.1	81.1	72.7	67.1	75.5	78.3	78.3	78.3	81.1
92.5°	100.7	97.9	100.7	100.7	92.3	86.7	97.9	97.9	97.9	97.9	100.7
95°	97.9	95.1	97.9	95.1	89.5	83.9	92.3	95.1	95.1	95.1	97.9
97.5°	83.9	83.9	83.9	83.9	75.5	72.7	83.9	83.9	81.1	81.1	83.9
100°	64.3	61.5	61.5	61.5	58.8	58.8	64.3	61.5	58.8	61.5	64.3
102.5°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	39.2	39.2	39.2	44.8
105°	25.2	25.2	22.4	22.4	22.4	22.4	22.4	19.6	19.6	19.6	25.2
107.5°	8.4	8.4	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8	8.4
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°	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8	707.8
2.5°	702.2	702.2	705.0	702.2	702.2	699.4	696.6	693.8	696.6	696.6
5°	702.2	705.0	702.2	699.4	696.6	693.8	693.8	688.2	688.2	691.0
7.5°	699.4	705.0	699.4	696.6	688.2	685.4	682.6	677.0	677.0	677.0
10°	696.6	696.6	693.8	682.6	677.0	668.7	665.9	660.3	657.5	654.7
12.5°	696.6	696.6	688.2	679.8	671.5	660.3	657.5	651.9	649.1	646.3
15°	705.0	707.8	702.2	691.0	677.0	674.2	665.9	663.1	660.3	665.9
17.5°	719.0	716.2	710.6	699.4	691.0	688.2	677.0	677.0	674.2	679.8
20°	733.0	727.4	721.8	716.2	705.0	699.4	699.4	691.0	693.8	688.2
22.5°	749.8	752.6	744.2	735.8	727.4	724.6	721.8	721.8	719.0	719.0
25°	777.8	777.8	772.2	763.8	758.2	752.6	749.8	752.6	747.0	755.4
27.5°	811.3	808.5	808.5	802.9	794.5	791.8	789.0	791.8	789.0	789.0
30°	844.9	850.5	844.9	842.1	836.5	836.5	833.7	833.7	836.5	833.7
32.5°	898.1	900.9	900.9	898.1	892.5	889.7	889.7	892.5	898.1	895.3
35°	968.0	970.8	976.4	982.0	982.0	976.4	970.8	968.0	970.8	970.8
37.5°	1060.3	1063.1	1068.7	1068.7	1065.9	1063.1	1065.9	1071.5	1060.3	1060.3
40°	1155.5	1152.7	1158.3	1163.8	1166.6	1163.8	1161.0	1166.6	1172.2	1180.6
42.5°	1261.8	1267.4	1270.2	1281.4	1286.9	1286.9	1284.1	1292.5	1295.3	1295.3
45°	1387.7	1401.7	1396.1	1415.6	1432.4	1435.2	1426.8	1432.4	1426.8	1432.4
47.5°	1533.1	1544.3	1555.5	1572.3	1580.7	1586.3	1583.5	1589.1	1594.7	1594.7
50°	1698.2	1706.6	1726.2	1748.6	1762.6	1762.6	1751.4	1762.6	1773.7	1771.0
52.5°	1871.7	1888.5	1908.0	1927.6	1938.8	1941.6	1941.6	1950.0	1947.2	1947.2
55°	2053.5	2067.5	2092.7	2103.9	2117.9	2123.5	2123.5	2126.3	2123.5	2123.5
57.5°	2227.0	2243.8	2263.3	2285.7	2299.7	2305.3	2299.7	2299.7	2299.7	2294.1
60°	2406.0	2417.2	2436.8	2453.6	2462.0	2473.2	2473.2	2470.4	2467.6	2464.8
62.5°	2571.1	2576.7	2582.3	2585.1	2593.5	2615.9	2615.9	2629.8	2629.8	2627.0
65°	2786.5	2761.3	2739.0	2744.6	2764.1	2783.7	2800.5	2856.5	2884.4	2895.6
67.5°	2828.5	2792.1	2758.5	2755.7	2766.9	2772.5	2780.9	2811.7	2842.5	2842.5
70°	2582.3	2559.9	2529.1	2543.1	2551.5	2543.1	2554.3	2573.9	2601.9	2576.7
72.5°	2263.3	2227.0	2249.4	2263.3	2249.4	2238.2	2243.8	2241.0	2260.5	2280.1
75°	1910.8	1835.3	1835.3	1835.3	1840.9	1815.7	1815.7	1818.5	1854.9	1804.5
77.5°	1415.6	1362.5	1348.5	1292.5	1286.9	1253.4	1275.8	1261.8	1295.3	1275.8
80°	660.3	637.9	629.5	573.5	562.3	472.8	506.4	450.4	467.2	419.7
82.5°	137.1	134.3	131.5	117.5	106.3	92.3	109.1	123.1	125.9	123.1
85°	86.7	89.5	89.5	83.9	78.3	69.9	83.9	103.5	109.1	109.1
87.5°	75.5	78.3	78.3	75.5	69.9	61.5	69.9	78.3	81.1	78.3
90°	81.1	83.9	81.1	78.3	72.7	64.3	72.7	75.5	61.5	64.3
92.5°	97.9	97.9	95.1	95.1	92.3	81.1	89.5	72.7	28.0	8.4
95°	95.1	92.3	92.3	89.5	86.7	72.7	72.7	19.6	0.0	0.0
97.5°	81.1	75.5	75.5	72.7	72.7	61.5	44.8	0.0	0.0	0.0
100°	61.5	53.2	53.2	50.4	50.4	42.0	16.8	0.0	0.0	0.0
102.5°	42.0	33.6	30.8	28.0	28.0	25.2	2.8	0.0	0.0	0.0
105°	22.4	14.0	11.2	8.4	8.4	5.6	0.0	0.0	0.0	0.0
107.5°	8.4	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)