

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: P691910

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691910
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-C01H-D-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

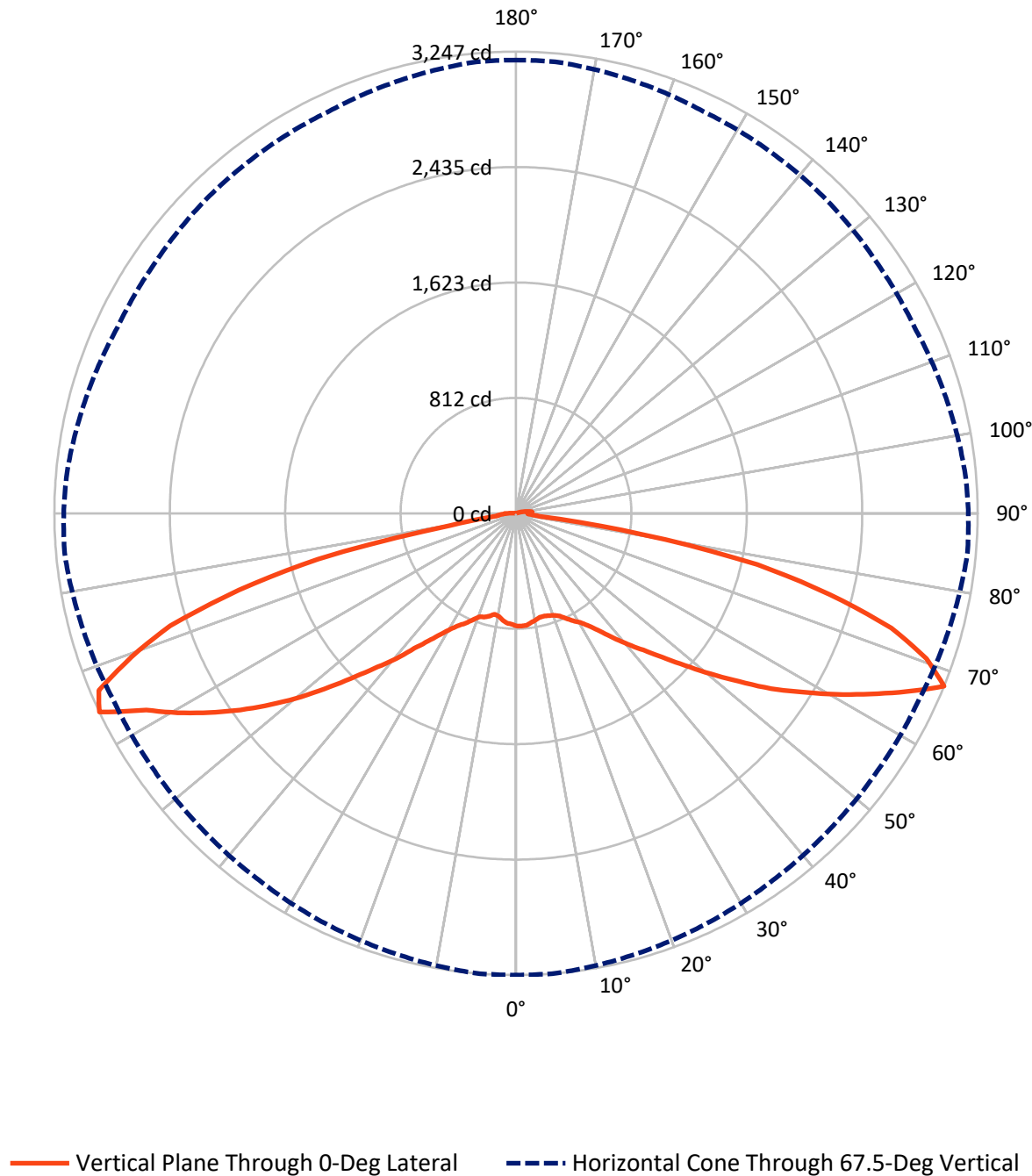
Lumens per Lamp: N/A
Luminaire Lumens: 10068 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

Input Watts (W): 70.2
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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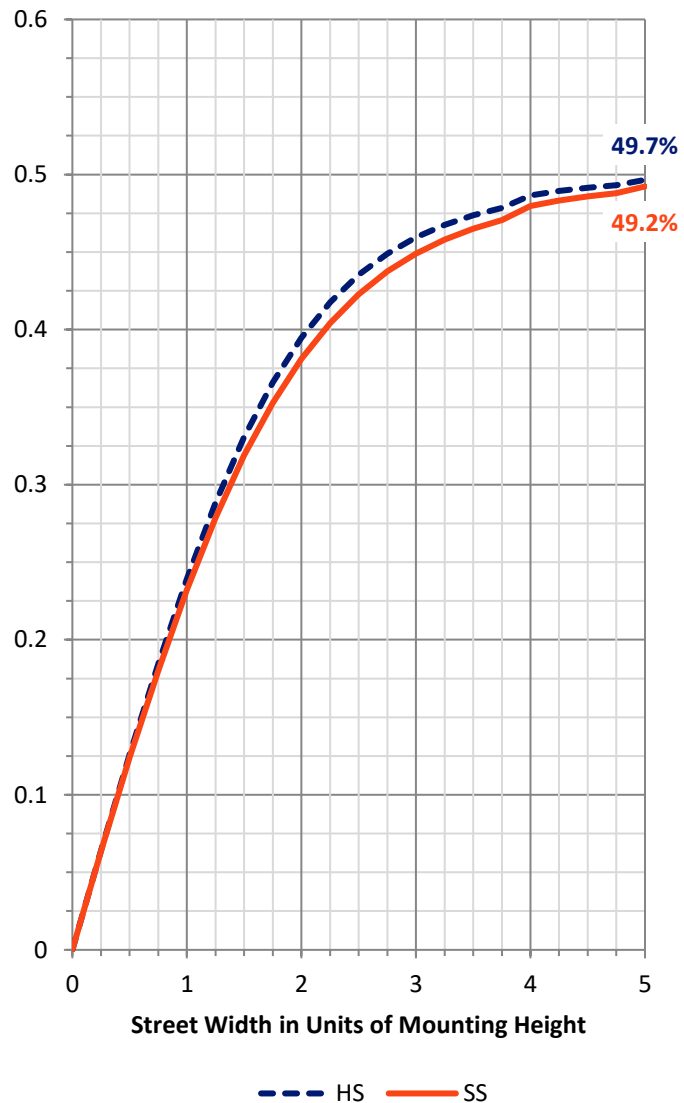
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4984.9	47.2	5032.1
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4969.1	66.8	5035.9
	% Fixture	49.4	0.7	50.0
Total	Lumens	9953.9	114.1	10068.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	0.7
10°-20°	219.1	2.2
20°-30°	396.0	3.9
30°-40°	682.9	6.8
40°-50°	1211.5	12.0
50°-60°	2062.5	20.5
60°-70°	2955.0	29.4
70°-80°	2148.6	21.3
80°-90°	204.0	2.0
90°-100°	92.1	0.9
100°-110°	22.0	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°	9953.9	98.9
0°-180°	10068.0	100.0

Coefficient of Utilization



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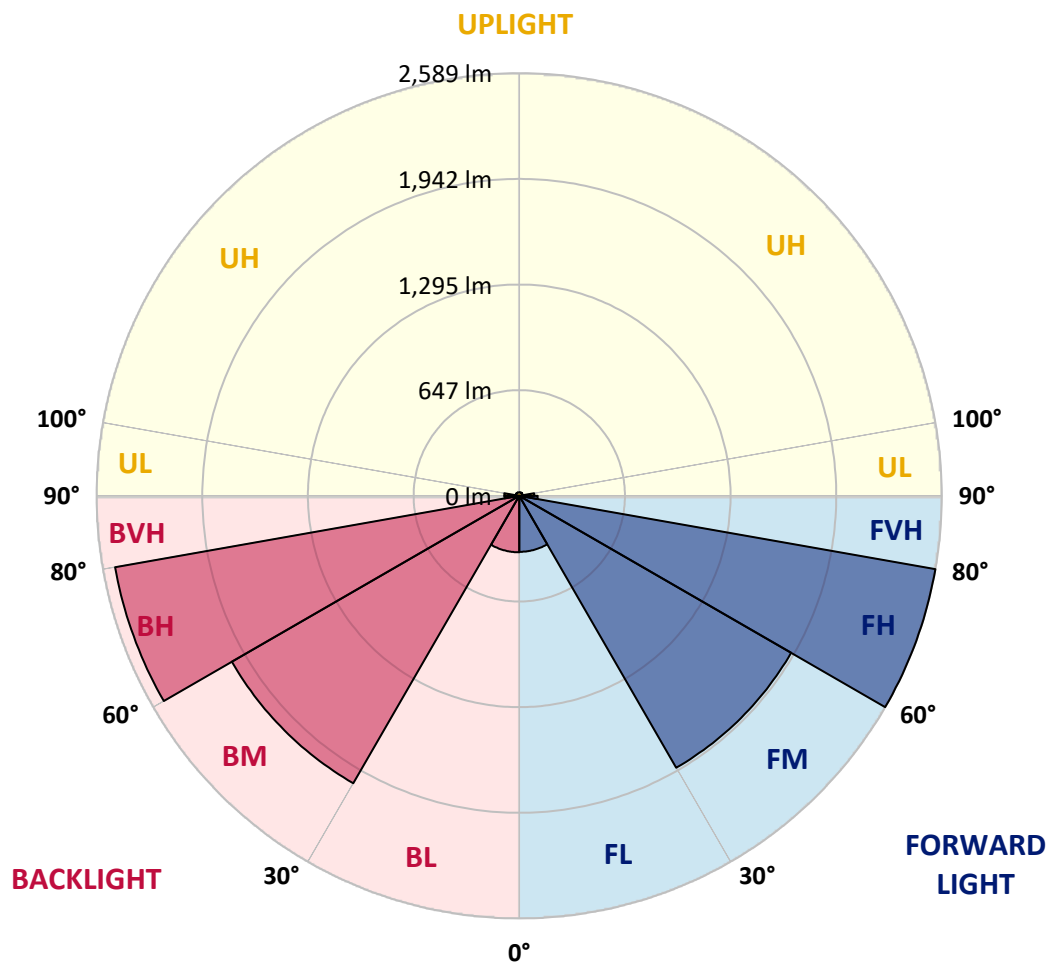
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.1	3.4			
FM	(30°-60°)	1923.5	19.1			
FH	(60°-80°)	2589.2	25.7			G2/5000
FVH	(80°-90°)	113.3	1.1			G2/225
BL	(0°-30°)	346.3	3.4	B1/500		
BM	(30°-60°)	2033.5	20.2	B2/2500		
BH	(60°-80°)	2514.4	25.0	B4/5000		G2/5000
BVH	(80°-90°)	90.7	0.9			G1/100
UL	(90°-100°)	92.1	0.9		U3/500	
UH	(100°-180°)	22.0	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7
2.5°	793.7	793.7	793.7	793.7	793.7	793.7	790.5	784.3	784.3	784.3	784.3
5°	790.5	790.5	790.5	790.5	793.7	793.7	793.7	787.4	787.4	787.4	787.4
7.5°	774.8	774.8	778.0	778.0	781.1	784.3	781.1	781.1	781.1	784.3	784.3
10°	762.3	762.3	765.4	765.4	768.6	768.6	774.8	774.8	778.0	781.1	781.1
12.5°	749.7	749.7	752.9	759.2	762.3	765.4	768.6	771.7	778.0	781.1	781.1
15°	749.7	749.7	749.7	756.0	765.4	771.7	774.8	781.1	787.4	790.5	793.7
17.5°	756.0	756.0	756.0	762.3	768.6	778.0	787.4	790.5	796.8	803.1	803.1
20°	765.4	765.4	768.6	774.8	784.3	790.5	796.8	806.2	812.5	818.8	821.9
22.5°	784.3	787.4	787.4	790.5	799.9	809.4	815.6	821.9	831.3	837.6	843.9
25°	818.8	815.6	815.6	821.9	828.2	837.6	840.7	847.0	856.4	865.8	869.0
27.5°	856.4	853.3	853.3	859.5	865.8	872.1	875.2	884.6	894.1	903.5	906.6
30°	890.9	890.9	894.1	900.3	906.6	916.0	919.1	928.6	934.8	947.4	947.4
32.5°	944.2	947.4	950.5	953.7	959.9	969.3	978.8	981.9	988.2	997.6	1003.8
35°	1016.4	1022.7	1022.7	1025.8	1041.5	1050.9	1044.6	1054.0	1063.5	1076.0	1082.3
37.5°	1110.5	1107.4	1116.8	1129.3	1132.5	1141.9	1138.7	1145.0	1157.6	1173.2	1182.7
40°	1210.9	1214.0	1214.0	1217.2	1226.6	1229.7	1242.3	1251.7	1264.2	1286.2	1292.5
42.5°	1314.4	1320.7	1327.0	1330.1	1345.8	1348.9	1358.3	1370.9	1386.6	1402.3	1408.5
45°	1443.0	1439.9	1455.6	1461.9	1477.5	1496.4	1496.4	1502.6	1527.7	1543.4	1552.8
47.5°	1596.7	1603.0	1612.4	1621.8	1646.9	1650.1	1665.8	1675.2	1690.9	1706.5	1709.7
50°	1775.6	1775.6	1785.0	1803.8	1819.5	1835.2	1844.6	1857.1	1869.7	1894.8	1907.3
52.5°	1963.8	1966.9	1979.5	1998.3	2023.4	2026.5	2035.9	2057.9	2067.3	2073.6	2095.5
55°	2177.1	2167.7	2177.1	2205.3	2233.6	2230.4	2233.6	2258.7	2274.3	2286.9	2293.2
57.5°	2371.6	2371.6	2381.0	2403.0	2409.2	2418.6	2421.8	2443.7	2462.6	2478.2	2481.4
60°	2584.9	2581.8	2588.0	2606.9	2628.8	2628.8	2625.7	2647.6	2666.5	2669.6	2691.6
62.5°	2798.2	2788.8	2795.1	2807.6	2820.2	2807.6	2820.2	2839.0	2854.7	2867.2	2873.5
65°	3021.0	3008.4	3011.5	2999.0	2980.2	2964.5	2992.7	3046.1	3093.1	3118.2	3121.3
67.5°	3246.8	3246.8	3212.3	3180.9	3149.6	3130.8	3121.3	3121.3	3152.7	3187.2	3180.9
70°	3061.7	3068.0	3039.8	3017.8	2967.6	2951.9	2942.5	2911.2	2926.8	2936.3	2914.3
72.5°	2760.6	2726.1	2713.5	2704.1	2666.5	2638.2	2606.9	2584.9	2575.5	2581.8	2556.7
75°	2280.6	2349.6	2312.0	2293.2	2268.1	2255.5	2174.0	2148.9	2145.7	2170.8	2170.8
77.5°	1734.8	1772.4	1747.3	1756.7	1719.1	1712.8	1681.4	1653.2	1631.3	1625.0	1562.2
80°	900.3	928.6	934.8	966.2	959.9	941.1	919.1	837.6	815.6	828.2	768.6
82.5°	163.1	169.4	172.5	175.7	163.1	169.4	172.5	156.9	166.3	163.1	156.9
85°	94.1	94.1	97.2	97.2	91.0	84.7	91.0	87.8	87.8	94.1	94.1
87.5°	81.6	84.7	87.8	87.8	78.4	72.2	78.4	78.4	81.6	84.7	84.7
90°	84.7	84.7	91.0	91.0	81.6	75.3	84.7	87.8	87.8	87.8	91.0
92.5°	112.9	109.8	112.9	112.9	103.5	97.2	109.8	109.8	109.8	109.8	112.9
95°	109.8	106.7	109.8	106.7	100.4	94.1	103.5	106.7	106.7	106.7	109.8
97.5°	94.1	94.1	94.1	94.1	84.7	81.6	94.1	94.1	91.0	91.0	94.1
100°	72.2	69.0	69.0	69.0	65.9	65.9	72.2	69.0	65.9	69.0	72.2
102.5°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.9	43.9	43.9	50.2
105°	28.2	28.2	25.1	25.1	25.1	25.1	25.1	22.0	22.0	22.0	28.2
107.5°	9.4	9.4	6.3	6.3	6.3	6.3	6.3	3.1	3.1	3.1	9.4
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°	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7
2.5°	787.4	787.4	790.5	787.4	787.4	784.3	781.1	778.0	781.1	781.1
5°	787.4	790.5	787.4	784.3	781.1	778.0	778.0	771.7	771.7	774.8
7.5°	784.3	790.5	784.3	781.1	771.7	768.6	765.4	759.2	759.2	759.2
10°	781.1	781.1	778.0	765.4	759.2	749.7	746.6	740.3	737.2	734.1
12.5°	781.1	781.1	771.7	762.3	752.9	740.3	737.2	730.9	727.8	724.7
15°	790.5	793.7	787.4	774.8	759.2	756.0	746.6	743.5	740.3	746.6
17.5°	806.2	803.1	796.8	784.3	774.8	771.7	759.2	759.2	756.0	762.3
20°	821.9	815.6	809.4	803.1	790.5	784.3	784.3	774.8	778.0	771.7
22.5°	840.7	843.9	834.4	825.0	815.6	812.5	809.4	809.4	806.2	806.2
25°	872.1	872.1	865.8	856.4	850.1	843.9	840.7	843.9	837.6	847.0
27.5°	909.7	906.6	906.6	900.3	890.9	887.8	884.6	887.8	884.6	884.6
30°	947.4	953.7	947.4	944.2	938.0	938.0	934.8	934.8	938.0	934.8
32.5°	1007.0	1010.1	1010.1	1007.0	1000.7	997.6	997.6	1000.7	1007.0	1003.8
35°	1085.4	1088.5	1094.8	1101.1	1101.1	1094.8	1088.5	1085.4	1088.5	1088.5
37.5°	1188.9	1192.1	1198.3	1198.3	1195.2	1192.1	1195.2	1201.5	1188.9	1188.9
40°	1295.6	1292.5	1298.7	1305.0	1308.1	1305.0	1301.9	1308.1	1314.4	1323.8
42.5°	1414.8	1421.1	1424.2	1436.8	1443.0	1443.0	1439.9	1449.3	1452.4	1452.4
45°	1556.0	1571.6	1565.4	1587.3	1606.2	1609.3	1599.9	1606.2	1599.9	1606.2
47.5°	1719.1	1731.6	1744.2	1763.0	1772.4	1778.7	1775.6	1781.8	1788.1	1788.1
50°	1904.2	1913.6	1935.5	1960.6	1976.3	1976.3	1963.8	1976.3	1988.9	1985.7
52.5°	2098.7	2117.5	2139.5	2161.4	2174.0	2177.1	2177.1	2186.5	2183.4	2183.4
55°	2302.6	2318.3	2346.5	2359.0	2374.7	2381.0	2381.0	2384.1	2381.0	2381.0
57.5°	2497.1	2515.9	2537.9	2562.9	2578.6	2584.9	2578.6	2578.6	2578.6	2572.4
60°	2697.8	2710.4	2732.3	2751.2	2760.6	2773.1	2773.1	2770.0	2766.9	2763.7
62.5°	2882.9	2889.2	2895.5	2898.6	2908.0	2933.1	2933.1	2948.8	2948.8	2945.7
65°	3124.5	3096.2	3071.1	3077.4	3099.4	3121.3	3140.2	3202.9	3234.3	3246.8
67.5°	3171.5	3130.8	3093.1	3090.0	3102.5	3108.8	3118.2	3152.7	3187.2	3187.2
70°	2895.5	2870.4	2835.9	2851.6	2861.0	2851.6	2864.1	2886.1	2917.4	2889.2
72.5°	2537.9	2497.1	2522.2	2537.9	2522.2	2509.6	2515.9	2512.8	2534.7	2556.7
75°	2142.6	2057.9	2057.9	2057.9	2064.2	2035.9	2035.9	2039.1	2079.8	2023.4
77.5°	1587.3	1527.7	1512.0	1449.3	1443.0	1405.4	1430.5	1414.8	1452.4	1430.5
80°	740.3	715.2	705.8	643.1	630.5	530.2	567.8	505.1	523.9	470.6
82.5°	153.7	150.6	147.4	131.8	119.2	103.5	122.3	138.0	141.2	138.0
85°	97.2	100.4	100.4	94.1	87.8	78.4	94.1	116.1	122.3	122.3
87.5°	84.7	87.8	87.8	84.7	78.4	69.0	78.4	87.8	91.0	87.8
90°	91.0	94.1	91.0	87.8	81.6	72.2	81.6	84.7	69.0	72.2
92.5°	109.8	109.8	106.7	106.7	103.5	91.0	100.4	81.6	31.4	9.4
95°	106.7	103.5	103.5	100.4	97.2	81.6	81.6	22.0	0.0	0.0
97.5°	91.0	84.7	84.7	81.6	81.6	69.0	50.2	0.0	0.0	0.0
100°	69.0	59.6	59.6	56.5	56.5	47.1	18.8	0.0	0.0	0.0
102.5°	47.1	37.6	34.5	31.4	31.4	28.2	3.1	0.0	0.0	0.0
105°	25.1	15.7	12.5	9.4	9.4	6.3	0.0	0.0	0.0	0.0
107.5°	9.4	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)