

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: P692002

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692002
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-C01HO-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

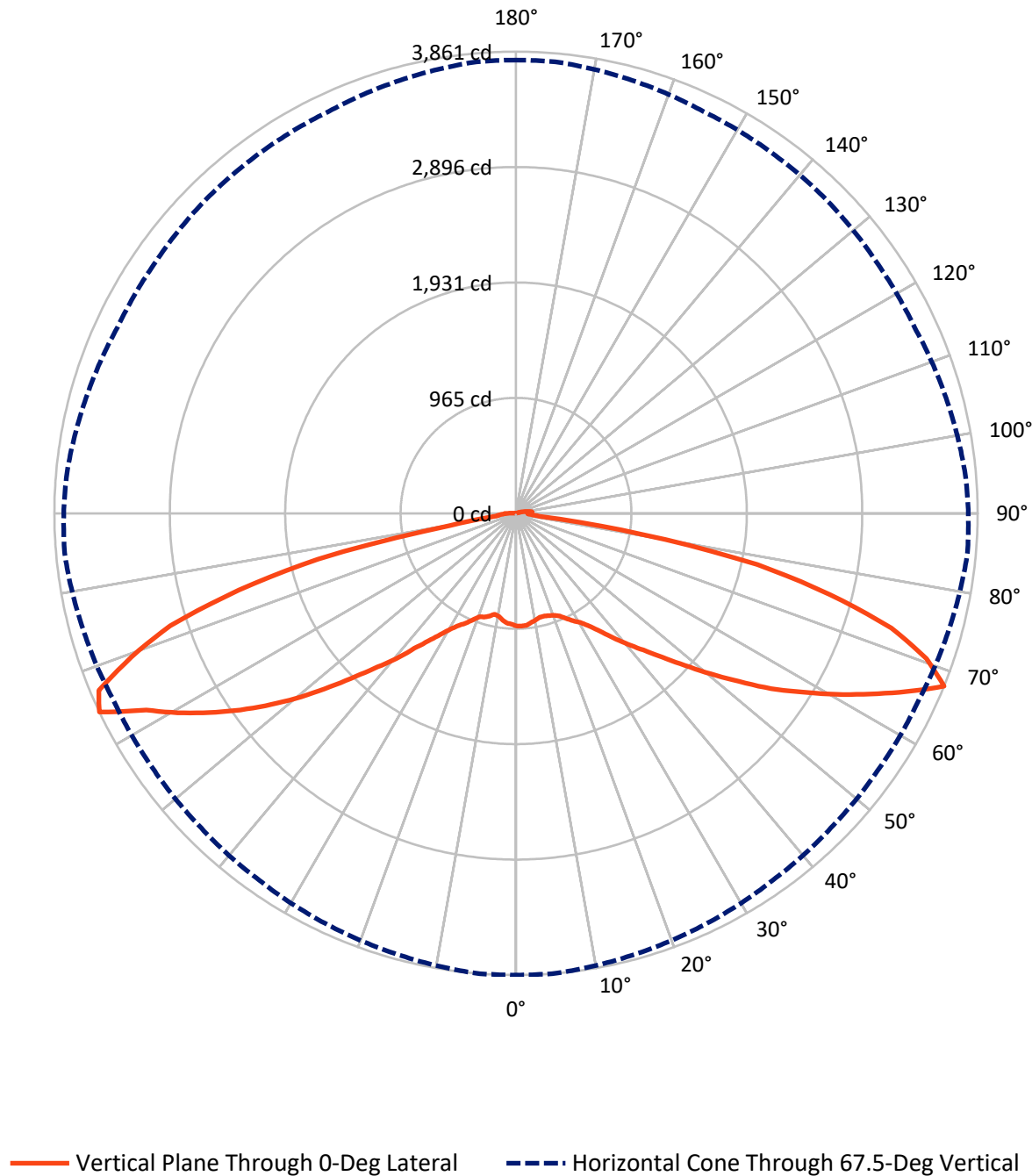
Lumens per Lamp: N/A
Luminaire Lumens: 11973 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

Input Watts (W): 79
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



REPORT NUMBER: P692002
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030

Luminous Intensity Polar Plot



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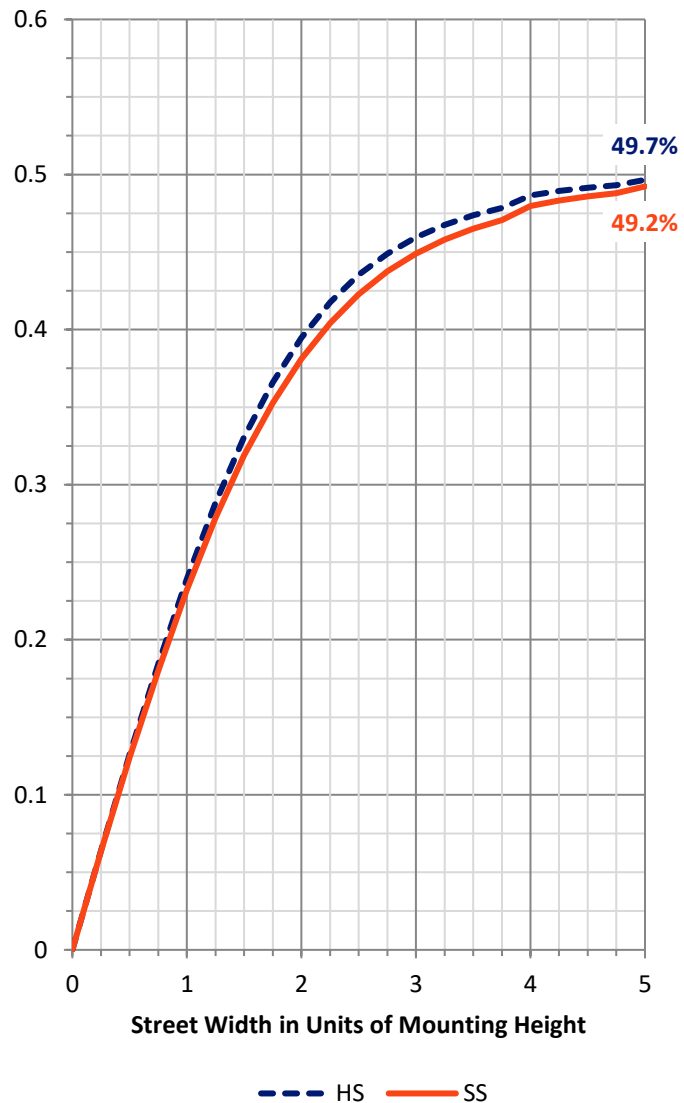
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5928.1	56.2	5984.2
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5909.3	79.5	5988.8
	% Fixture	49.4	0.7	50.0
Total	Lumens	11837.3	135.7	11973.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	0.7
10°-20°	260.6	2.2
20°-30°	470.9	3.9
30°-40°	812.1	6.8
40°-50°	1440.8	12.0
50°-60°	2452.8	20.5
60°-70°	3514.1	29.4
70°-80°	2555.1	21.3
80°-90°	242.6	2.0
90°-100°	109.5	0.9
100°-110°	26.2	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°	11837.3	98.9
0°-180°	11973.0	100.0

Coefficient of Utilization



REPORT NUMBER: P692002

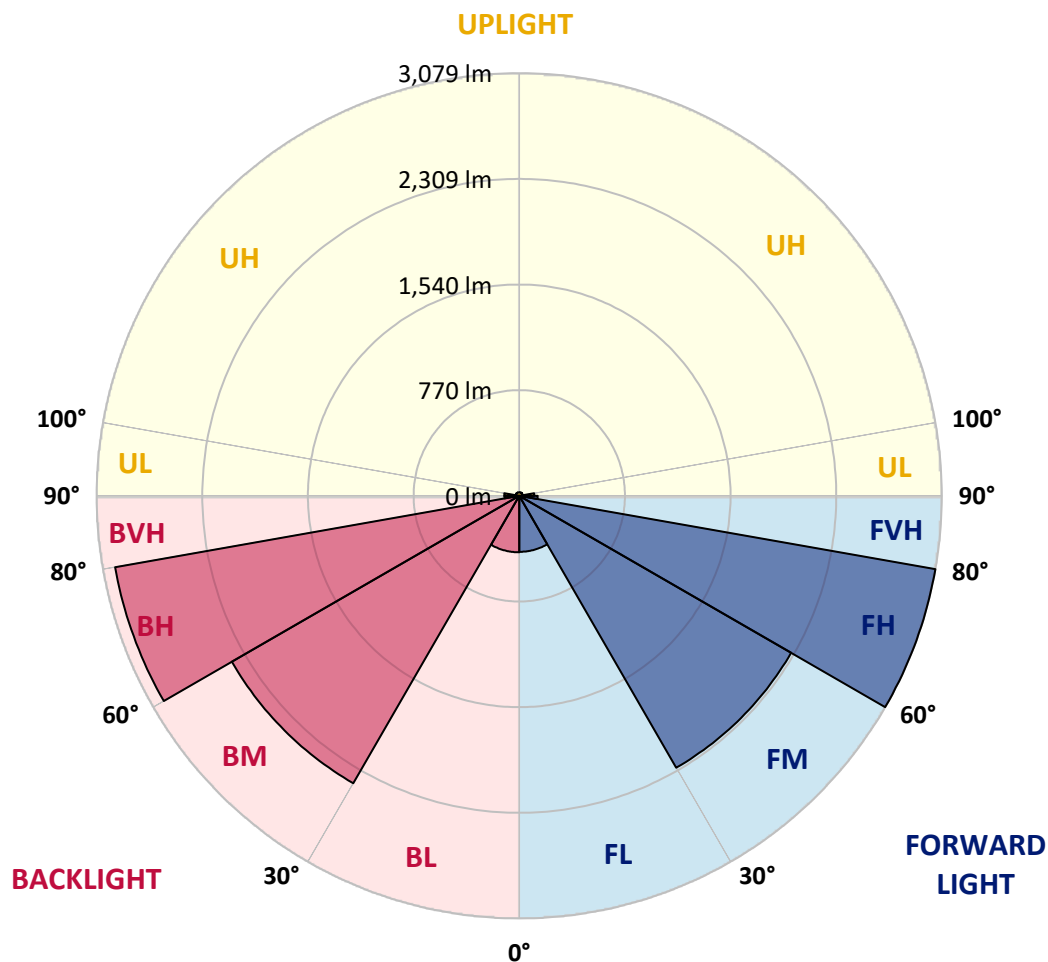
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.0	3.4			
FM	(30°-60°)	2287.4	19.1			
FH	(60°-80°)	3079.1	25.7			G2/5000
FVH	(80°-90°)	134.8	1.1			G2/225
BL	(0°-30°)	411.8	3.4	B1/500		
BM	(30°-60°)	2418.3	20.2	B2/2500		
BH	(60°-80°)	2990.1	25.0	B4/5000		G2/5000
BVH	(80°-90°)	107.8	0.9			G2/225
UL	(90°-100°)	109.5	0.9		U3/500	
UH	(100°-180°)	26.2	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short



REPORT NUMBER: P692002

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8
2.5°	943.8	943.8	943.8	943.8	943.8	943.8	940.1	932.6	932.6	932.6	932.6
5°	940.1	940.1	940.1	940.1	943.8	943.8	943.8	936.4	936.4	936.4	936.4
7.5°	921.5	921.5	925.2	925.2	928.9	932.6	928.9	928.9	928.9	932.6	932.6
10°	906.5	906.5	910.3	910.3	914.0	914.0	921.5	921.5	925.2	928.9	928.9
12.5°	891.6	891.6	895.3	902.8	906.5	910.3	914.0	917.7	925.2	928.9	928.9
15°	891.6	891.6	891.6	899.1	910.3	917.7	921.5	928.9	936.4	940.1	943.8
17.5°	899.1	899.1	899.1	906.5	914.0	925.2	936.4	940.1	947.6	955.0	955.0
20°	910.3	910.3	914.0	921.5	932.6	940.1	947.6	958.8	966.2	973.7	977.4
22.5°	932.6	936.4	936.4	940.1	951.3	962.5	970.0	977.4	988.6	996.1	1003.5
25°	973.7	970.0	970.0	977.4	984.9	996.1	999.8	1007.3	1018.5	1029.6	1033.4
27.5°	1018.5	1014.7	1014.7	1022.2	1029.6	1037.1	1040.8	1052.0	1063.2	1074.4	1078.1
30°	1059.5	1059.5	1063.2	1070.7	1078.1	1089.3	1093.1	1104.3	1111.7	1126.6	1126.6
32.5°	1122.9	1126.6	1130.4	1134.1	1141.6	1152.8	1163.9	1167.7	1175.1	1186.3	1193.8
35°	1208.7	1216.2	1216.2	1219.9	1238.6	1249.7	1242.3	1253.5	1264.7	1279.6	1287.1
37.5°	1320.6	1316.9	1328.1	1343.0	1346.7	1357.9	1354.2	1361.7	1376.6	1395.2	1406.4
40°	1440.0	1443.7	1443.7	1447.5	1458.7	1462.4	1477.3	1488.5	1503.4	1529.5	1537.0
42.5°	1563.1	1570.6	1578.0	1581.8	1600.4	1604.2	1615.3	1630.3	1648.9	1667.6	1675.0
45°	1716.1	1712.3	1731.0	1738.5	1757.1	1779.5	1779.5	1787.0	1816.8	1835.5	1846.6
47.5°	1898.9	1906.3	1917.5	1928.7	1958.6	1962.3	1980.9	1992.1	2010.8	2029.4	2033.2
50°	2111.5	2111.5	2122.7	2145.1	2163.7	2182.4	2193.6	2208.5	2223.4	2253.3	2268.2
52.5°	2335.4	2339.1	2354.0	2376.4	2406.2	2410.0	2421.2	2447.3	2458.5	2465.9	2492.0
55°	2589.0	2577.8	2589.0	2622.6	2656.2	2652.5	2656.2	2686.0	2704.7	2719.6	2727.1
57.5°	2820.3	2820.3	2831.5	2857.6	2865.1	2876.3	2880.0	2906.1	2928.5	2947.2	2950.9
60°	3074.0	3070.3	3077.7	3100.1	3126.2	3126.2	3122.5	3148.6	3171.0	3174.7	3200.8
62.5°	3327.7	3316.5	3324.0	3338.9	3353.8	3338.9	3353.8	3376.2	3394.8	3409.8	3417.2
65°	3592.6	3577.6	3581.4	3566.4	3544.1	3525.4	3559.0	3622.4	3678.4	3708.2	3711.9
67.5°	3861.2	3861.2	3820.1	3782.8	3745.5	3723.1	3711.9	3711.9	3749.2	3790.3	3782.8
70°	3641.1	3648.5	3614.9	3588.8	3529.1	3510.5	3499.3	3462.0	3480.6	3491.8	3465.7
72.5°	3282.9	3241.9	3227.0	3215.8	3171.0	3137.4	3100.1	3074.0	3062.8	3070.3	3040.4
75°	2712.1	2794.2	2749.4	2727.1	2697.2	2682.3	2585.3	2555.5	2551.7	2581.6	2581.6
77.5°	2063.0	2107.8	2077.9	2089.1	2044.4	2036.9	1999.6	1966.0	1939.9	1932.4	1857.8
80°	1070.7	1104.3	1111.7	1149.0	1141.6	1119.2	1093.1	996.1	970.0	984.9	914.0
82.5°	194.0	201.5	205.2	208.9	194.0	201.5	205.2	186.5	197.7	194.0	186.5
85°	111.9	111.9	115.6	115.6	108.2	100.7	108.2	104.5	104.5	111.9	111.9
87.5°	97.0	100.7	104.5	104.5	93.3	85.8	93.3	93.3	97.0	100.7	100.7
90°	100.7	100.7	108.2	108.2	97.0	89.5	100.7	104.5	104.5	104.5	108.2
92.5°	134.3	130.6	134.3	134.3	123.1	115.6	130.6	130.6	130.6	130.6	134.3
95°	130.6	126.8	130.6	126.8	119.4	111.9	123.1	126.8	126.8	126.8	130.6
97.5°	111.9	111.9	111.9	111.9	100.7	97.0	111.9	111.9	108.2	108.2	111.9
100°	85.8	82.1	82.1	82.1	78.3	78.3	85.8	82.1	78.3	82.1	85.8
102.5°	56.0	56.0	56.0	56.0	56.0	56.0	56.0	52.2	52.2	52.2	59.7
105°	33.6	33.6	29.8	29.8	29.8	29.8	29.8	26.1	26.1	26.1	33.6
107.5°	11.2	11.2	7.5	7.5	7.5	7.5	7.5	3.7	3.7	3.7	11.2
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°	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8
2.5°	936.4	936.4	940.1	936.4	936.4	932.6	928.9	925.2	928.9	928.9
5°	936.4	940.1	936.4	932.6	928.9	925.2	925.2	917.7	917.7	921.5
7.5°	932.6	940.1	932.6	928.9	917.7	914.0	910.3	902.8	902.8	902.8
10°	928.9	928.9	925.2	910.3	902.8	891.6	887.9	880.4	876.7	873.0
12.5°	928.9	928.9	917.7	906.5	895.3	880.4	876.7	869.2	865.5	861.8
15°	940.1	943.8	936.4	921.5	902.8	899.1	887.9	884.2	880.4	887.9
17.5°	958.8	955.0	947.6	932.6	921.5	917.7	902.8	902.8	899.1	906.5
20°	977.4	970.0	962.5	955.0	940.1	932.6	932.6	921.5	925.2	917.7
22.5°	999.8	1003.5	992.3	981.1	970.0	966.2	962.5	962.5	958.8	958.8
25°	1037.1	1037.1	1029.6	1018.5	1011.0	1003.5	999.8	1003.5	996.1	1007.3
27.5°	1081.9	1078.1	1078.1	1070.7	1059.5	1055.8	1052.0	1055.8	1052.0	1052.0
30°	1126.6	1134.1	1126.6	1122.9	1115.4	1115.4	1111.7	1111.7	1115.4	1111.7
32.5°	1197.5	1201.3	1201.3	1197.5	1190.1	1186.3	1186.3	1190.1	1197.5	1193.8
35°	1290.8	1294.5	1302.0	1309.4	1309.4	1302.0	1294.5	1290.8	1294.5	1294.5
37.5°	1413.9	1417.6	1425.1	1425.1	1421.4	1417.6	1421.4	1428.8	1413.9	1413.9
40°	1540.7	1537.0	1544.5	1551.9	1555.7	1551.9	1548.2	1555.7	1563.1	1574.3
42.5°	1682.5	1690.0	1693.7	1708.6	1716.1	1716.1	1712.3	1723.5	1727.3	1727.3
45°	1850.4	1869.0	1861.6	1887.7	1910.1	1913.8	1902.6	1910.1	1902.6	1910.1
47.5°	2044.4	2059.3	2074.2	2096.6	2107.8	2115.2	2111.5	2119.0	2126.4	2126.4
50°	2264.5	2275.7	2301.8	2331.6	2350.3	2350.3	2335.4	2350.3	2365.2	2361.5
52.5°	2495.8	2518.1	2544.3	2570.4	2585.3	2589.0	2589.0	2600.2	2596.5	2596.5
55°	2738.3	2756.9	2790.5	2805.4	2824.1	2831.5	2831.5	2835.2	2831.5	2831.5
57.5°	2969.6	2991.9	3018.0	3047.9	3066.5	3074.0	3066.5	3066.5	3066.5	3059.1
60°	3208.3	3223.2	3249.3	3271.7	3282.9	3297.8	3297.8	3294.1	3290.4	3286.7
62.5°	3428.4	3435.9	3443.3	3447.1	3458.3	3488.1	3488.1	3506.8	3506.8	3503.0
65°	3715.7	3682.1	3652.2	3659.7	3685.8	3711.9	3734.3	3808.9	3846.2	3861.2
67.5°	3771.6	3723.1	3678.4	3674.6	3689.6	3697.0	3708.2	3749.2	3790.3	3790.3
70°	3443.3	3413.5	3372.5	3391.1	3402.3	3391.1	3406.0	3432.1	3469.5	3435.9
72.5°	3018.0	2969.6	2999.4	3018.0	2999.4	2984.5	2991.9	2988.2	3014.3	3040.4
75°	2548.0	2447.3	2447.3	2447.3	2454.7	2421.2	2421.2	2424.9	2473.4	2406.2
77.5°	1887.7	1816.8	1798.1	1723.5	1716.1	1671.3	1701.1	1682.5	1727.3	1701.1
80°	880.4	850.6	839.4	764.8	749.8	630.5	675.2	600.6	623.0	559.6
82.5°	182.8	179.1	175.3	156.7	141.8	123.1	145.5	164.1	167.9	164.1
85°	115.6	119.4	119.4	111.9	104.5	93.3	111.9	138.0	145.5	145.5
87.5°	100.7	104.5	104.5	100.7	93.3	82.1	93.3	104.5	108.2	104.5
90°	108.2	111.9	108.2	104.5	97.0	85.8	97.0	100.7	82.1	85.8
92.5°	130.6	130.6	126.8	126.8	123.1	108.2	119.4	97.0	37.3	11.2
95°	126.8	123.1	123.1	119.4	115.6	97.0	97.0	26.1	0.0	0.0
97.5°	108.2	100.7	100.7	97.0	97.0	82.1	59.7	0.0	0.0	0.0
100°	82.1	70.9	70.9	67.2	67.2	56.0	22.4	0.0	0.0	0.0
102.5°	56.0	44.8	41.0	37.3	37.3	33.6	3.7	0.0	0.0	0.0
105°	29.8	18.7	14.9	11.2	11.2	7.5	0.0	0.0	0.0	0.0
107.5°	11.2	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)