

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: P161961

Luminaire Tested: **OVF-F06-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P161961  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-F06-LED-E-U-SL4-7030  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

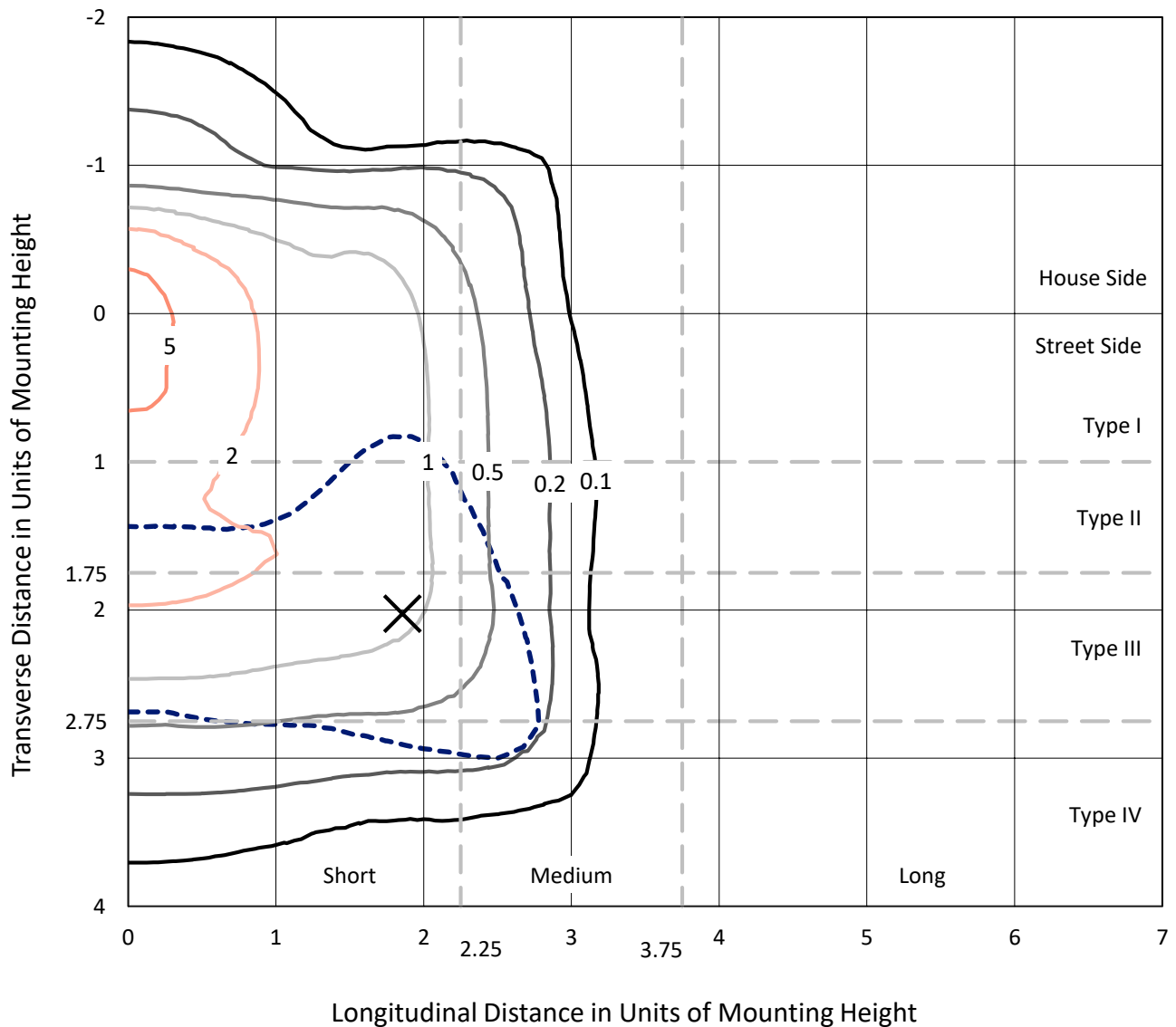
Lumens per Lamp: N/A  
Luminaire Lumens: 13038.2 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (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: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

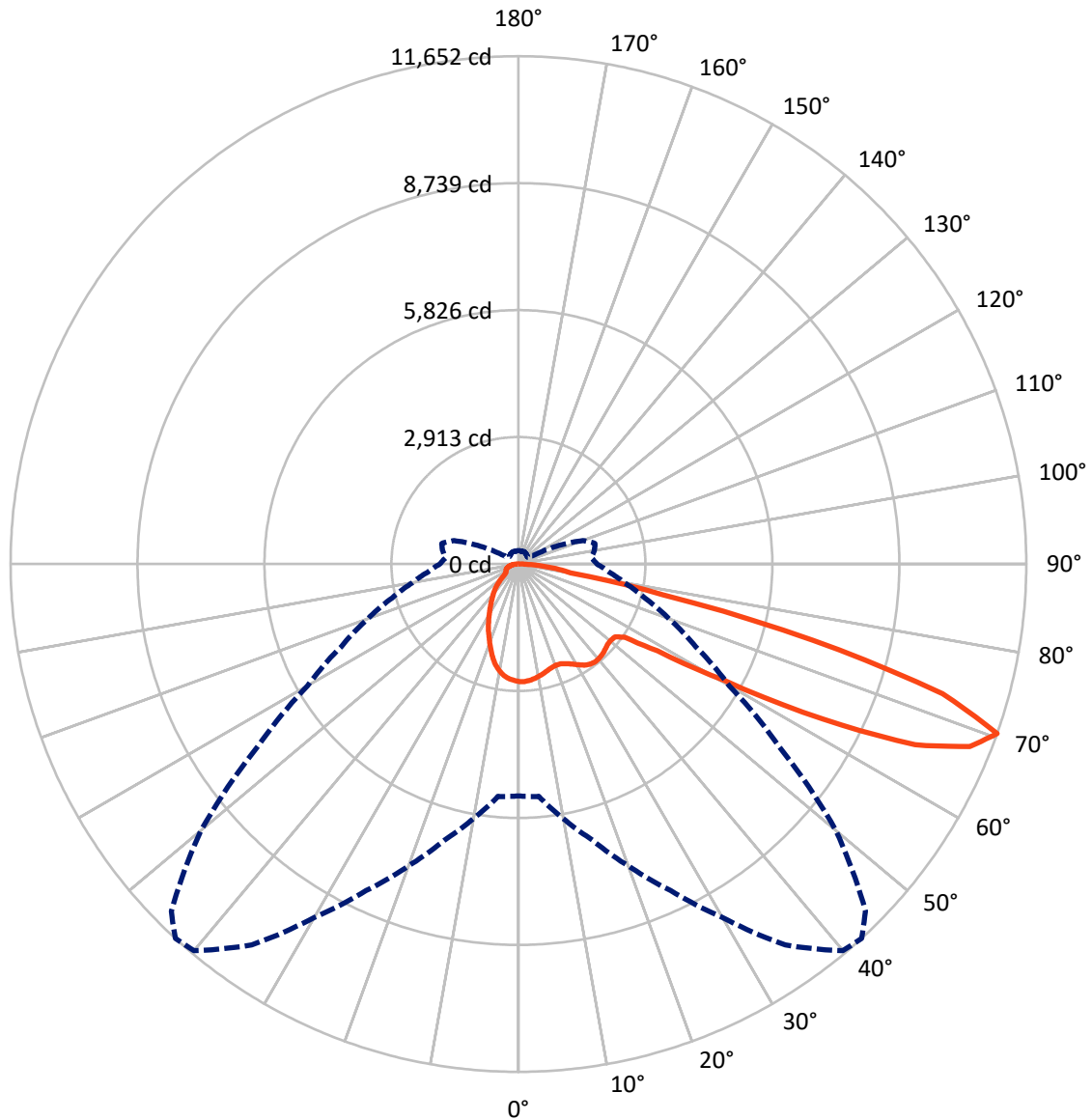
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2816.5	0.0	2816.5
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	10221.7	0.0	10221.7
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	13038.2	0.0	13038.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.9	1.9
10°-20°	675.8	5.2
20°-30°	985.8	7.6
30°-40°	1257.3	9.6
40°-50°	1467.5	11.3
50°-60°	2244.2	17.2
60°-70°	4068.1	31.2
70°-80°	1808.8	13.9
80°-90°	279.9	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
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°	13038.2	100.0
0°-180°	13038.2	100.0



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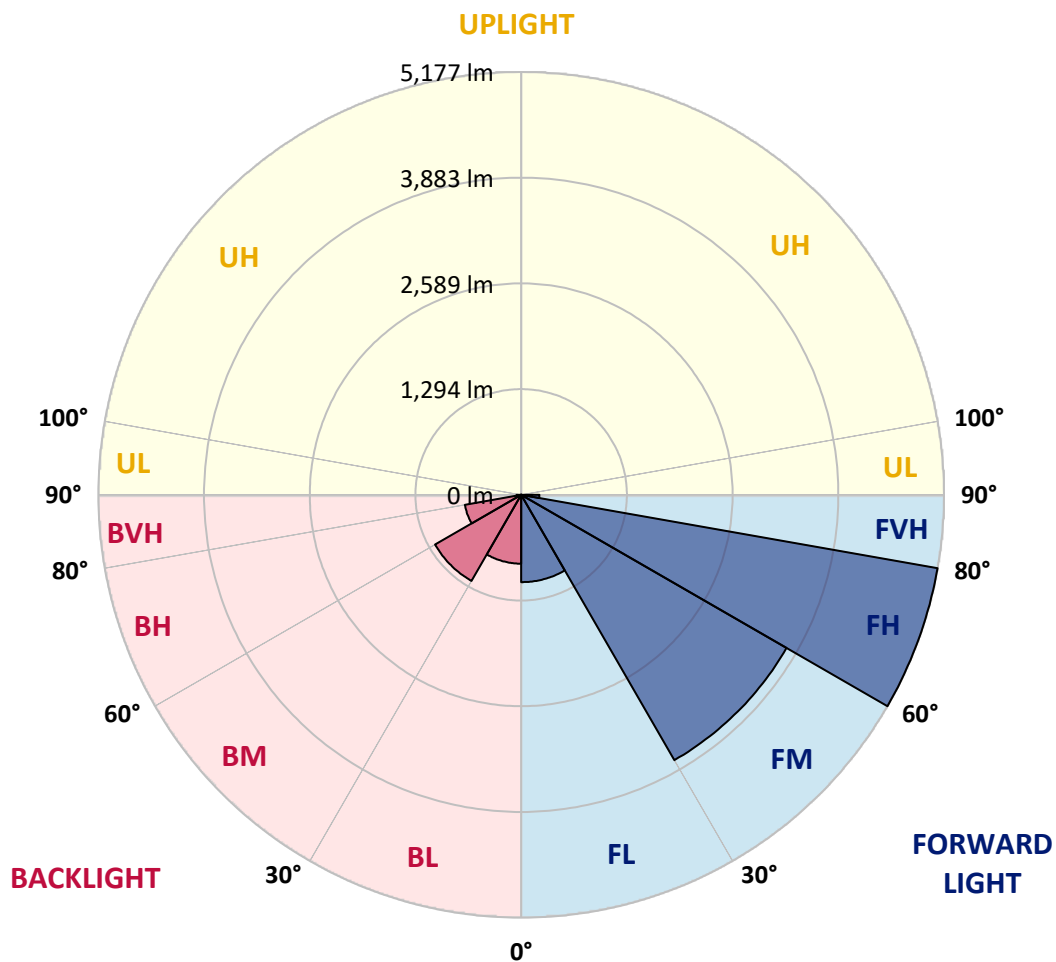
CATALOG NUMBER: OVF-F06-LED-E-U-SL4-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1069.5	8.2			
FM	(30°-60°)	3751.4	28.8			
FH	(60°-80°)	5177.2	39.7			G3/7500
FVH	(80°-90°)	223.6	1.7			G2/225
BL	(0°-30°)	843.0	6.5	B2/1000		
BM	(30°-60°)	1217.5	9.3	B2/2500		
BH	(60°-80°)	699.7	5.4	B2/1000		G2/1000
BVH	(80°-90°)	56.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	42.5°	45°
0°	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3
2.5°	2708.9	2706.2	2708.0	2709.9	2709.9	2710.8	2702.6	2703.5	2699.9	2700.8	2701.7
5°	2699.0	2696.3	2698.1	2698.1	2698.1	2697.2	2686.3	2685.4	2680.9	2680.9	2679.1
7.5°	2680.0	2670.0	2675.5	2676.4	2674.6	2670.0	2663.7	2657.4	2654.7	2654.7	2648.3
10°	2651.0	2640.2	2642.9	2644.7	2643.8	2634.8	2632.0	2625.7	2618.5	2615.8	2608.5
12.5°	2613.9	2606.7	2610.3	2609.4	2609.4	2601.3	2596.8	2587.7	2578.7	2574.1	2565.1
15°	2590.4	2581.4	2585.0	2585.0	2581.4	2573.2	2566.9	2550.6	2535.2	2529.8	2518.0
17.5°	2604.9	2595.8	2599.5	2596.8	2590.4	2573.2	2556.9	2530.7	2506.3	2491.8	2476.4
20°	2662.8	2653.8	2656.5	2654.7	2645.6	2617.6	2587.7	2542.5	2497.2	2475.5	2452.0
22.5°	2755.1	2747.9	2752.4	2749.7	2735.2	2699.0	2654.7	2589.5	2521.7	2489.1	2455.6
25°	2891.7	2889.9	2897.1	2889.0	2868.2	2813.9	2749.7	2661.9	2573.2	2532.5	2485.5
27.5°	3056.4	3041.0	3051.9	3044.6	3030.1	2961.4	2874.5	2763.2	2650.1	2596.8	2540.7
30°	3204.8	3191.2	3211.1	3207.5	3185.8	3115.2	3005.7	2875.4	2747.9	2680.0	2615.8
32.5°	3376.7	3359.5	3374.9	3374.9	3342.3	3247.3	3122.4	2973.1	2839.2	2766.9	2689.9
35°	3556.7	3538.6	3553.1	3548.6	3490.7	3364.9	3208.4	3046.4	2899.0	2824.8	2746.0
37.5°	3724.1	3721.4	3725.0	3695.2	3614.6	3453.6	3266.3	3085.3	2928.8	2851.0	2768.7
40°	3891.5	3885.2	3869.8	3817.3	3699.7	3506.1	3296.2	3098.9	2930.6	2849.2	2765.9
42.5°	3996.5	3984.7	3958.5	3887.0	3739.5	3518.7	3287.1	3078.1	2908.9	2825.7	2744.2
45°	4032.7	4020.9	3989.2	3908.7	3740.4	3498.8	3251.8	3036.5	2868.2	2792.2	2709.9
47.5°	4002.8	3995.6	3966.6	3886.1	3711.5	3461.7	3207.5	2994.9	2829.3	2755.1	2678.2
50°	3952.1	3947.6	3922.3	3848.1	3684.3	3439.1	3186.7	2975.0	2818.4	2749.7	2677.3
52.5°	4078.8	4065.2	4020.0	3932.2	3741.3	3479.8	3219.3	3004.8	2843.8	2774.1	2699.9
55°	5636.0	5535.5	5311.1	4890.4	4301.4	3844.5	3459.9	3201.2	3027.4	2959.6	2889.0
57.5°	7412.1	7307.1	7213.9	6892.7	6193.3	5330.1	4553.8	4099.6	3788.4	3758.5	3730.5
60°	8096.1	8129.6	8121.4	8002.0	7643.7	7233.8	6584.2	6047.6	5453.2	5428.8	5464.0
62.5°	8567.5	8595.5	8599.1	8563.0	8446.2	8309.6	8173.9	8002.0	7888.9	7840.0	7524.3
65°	8762.0	8802.7	8892.3	8959.3	8978.3	9025.3	9148.4	9616.1	10006.1	10003.4	9633.3
67.5°	8019.2	8068.0	8407.3	8740.3	9019.9	9343.8	9842.3	10603.3	11190.5	11172.4	10869.3
70°	5322.0	5352.8	5929.1	6556.1	7369.5	8268.9	9358.3	10670.2	11580.4	11651.9	11261.0
72.5°	3264.5	3335.1	3523.3	3777.5	4211.8	5045.1	6664.7	8906.8	10242.2	10175.3	9864.0
75°	2204.1	2207.7	2202.3	2229.4	2253.8	2422.1	3074.5	4897.6	6937.9	6974.1	6840.2
77.5°	1506.5	1526.4	1537.2	1530.0	1554.4	1547.2	1585.2	1678.4	2659.2	3393.9	3118.8
80°	1316.5	1324.6	1336.4	1319.2	1273.9	1248.6	1283.9	1250.4	1178.0	1216.9	1165.4
82.5°	833.3	857.7	860.5	920.2	1008.8	1012.5	1057.7	1024.2	931.9	871.3	797.1
85°	599.0	608.0	624.3	627.9	597.2	570.9	587.2	559.2	504.0	471.4	417.1
87.5°	349.2	358.3	374.6	364.6	333.9	295.9	266.9	229.8	181.9	170.1	150.2
90°	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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CATALOG NUMBER: OVF-F06-LED-E-U-SL4-7030

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3
2.5°	2702.6	2698.1	2694.5	2692.7	2696.3	2692.7	2689.0	2687.2	2683.6	2684.5	2680.0
5°	2677.3	2670.9	2665.5	2661.0	2664.6	2658.3	2652.9	2649.2	2644.7	2643.8	2639.3
7.5°	2642.0	2632.0	2624.8	2616.7	2607.6	2602.2	2595.8	2589.5	2579.6	2578.7	2576.8
10°	2595.8	2587.7	2573.2	2560.6	2547.9	2534.3	2520.8	2510.8	2499.0	2494.5	2488.2
12.5°	2549.7	2533.4	2516.2	2496.3	2480.9	2459.2	2441.1	2422.1	2404.9	2394.1	2382.3
15°	2495.4	2478.2	2453.8	2434.8	2413.1	2388.7	2365.1	2337.1	2309.0	2291.8	2275.6
17.5°	2448.4	2426.7	2406.7	2379.6	2357.9	2329.8	2294.6	2264.7	2231.2	2203.2	2173.3
20°	2412.2	2387.7	2364.2	2339.8	2313.6	2281.9	2243.0	2200.5	2157.9	2118.1	2073.8
22.5°	2397.7	2358.8	2332.6	2309.9	2282.8	2246.6	2203.2	2150.7	2098.2	2047.5	1996.0
25°	2410.4	2352.5	2311.7	2286.4	2262.0	2224.9	2176.0	2116.3	2054.8	1990.5	1929.0
27.5°	2444.7	2371.5	2313.6	2273.7	2245.7	2209.5	2155.2	2092.8	2023.1	1950.7	1884.7
30°	2494.5	2403.1	2330.7	2273.7	2232.1	2190.5	2131.7	2061.1	1987.8	1911.8	1837.6
32.5°	2548.8	2438.4	2351.6	2276.5	2212.2	2159.7	2098.2	2029.4	1951.6	1871.1	1791.5
35°	2589.5	2463.7	2360.6	2266.5	2184.2	2118.1	2052.1	1985.1	1909.1	1827.7	1748.1
37.5°	2606.7	2473.7	2358.8	2245.7	2145.3	2072.9	2004.1	1937.2	1863.9	1787.0	1713.7
40°	2607.6	2473.7	2347.9	2217.6	2104.5	2025.8	1953.4	1891.0	1822.3	1756.2	1691.1
42.5°	2590.4	2461.0	2328.0	2191.4	2074.7	1986.0	1911.8	1847.6	1792.4	1733.6	1678.4
45°	2559.7	2435.7	2309.9	2176.9	2063.8	1976.1	1896.4	1835.8	1786.1	1733.6	1685.6
47.5°	2536.1	2421.2	2310.8	2197.7	2090.1	1999.6	1913.6	1849.4	1806.9	1765.2	1730.9
50°	2540.7	2426.7	2321.7	2214.0	2108.2	2016.8	1933.5	1878.3	1853.0	1839.4	1831.3
52.5°	2564.2	2448.4	2368.7	2297.3	2262.9	2206.8	2160.6	2119.0	2125.4	2092.8	2051.2
55°	2806.7	2767.8	2859.1	2925.2	2957.8	3014.8	3097.1	3018.4	3007.5	2907.1	2608.5
57.5°	3768.5	3860.7	4001.0	4100.5	4110.5	4093.3	4025.4	3960.3	3854.4	3703.3	3285.3
60°	5381.7	5360.0	5229.7	5055.1	4919.4	4741.1	4562.0	4410.9	4240.8	4009.1	3564.0
62.5°	7078.2	6555.2	6091.1	5695.7	5360.0	5062.3	4791.8	4564.7	4331.2	3998.3	3524.2
65°	8448.0	7441.9	6624.0	5987.9	5488.5	5067.7	4718.5	4405.4	4093.3	3707.8	3248.2
67.5°	9427.0	7831.0	6596.8	5702.0	5001.7	4422.6	3914.1	3557.6	3237.3	2934.2	2727.0
70°	9504.8	7292.6	5580.8	4486.0	3678.0	2997.6	2470.1	2081.0	1802.3	1676.6	1766.2
72.5°	8122.3	5395.3	3710.6	2746.0	2179.6	1693.8	1361.7	1088.5	864.1	753.7	769.1
75°	4783.6	2590.4	1671.2	1245.0	1017.0	812.5	703.0	593.5	523.9	419.8	335.7
77.5°	1821.3	1126.5	843.3	700.3	499.4	359.2	283.2	244.3	224.4	221.7	209.9
80°	1049.6	826.1	578.2	378.2	276.9	234.3	200.9	171.9	160.1	157.4	162.0
82.5°	663.2	514.8	317.6	243.4	201.8	173.7	144.8	125.8	115.8	112.2	118.5
85°	342.9	257.9	193.6	166.5	154.7	141.1	115.8	96.8	95.9	100.4	115.8
87.5°	126.7	110.4	86.9	75.1	80.5	75.1	54.3	47.0	42.5	56.1	81.4
90°	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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3
2.5°	2680.0	2678.2	2679.1	2677.3	2677.3	2680.0	2676.4	2673.7	2678.2	2678.2	2680.9
5°	2638.4	2640.2	2640.2	2639.3	2641.1	2645.6	2644.7	2644.7	2651.9	2654.7	2658.3
7.5°	2572.3	2575.0	2575.9	2578.7	2579.6	2585.9	2590.4	2595.8	2606.7	2609.4	2617.6
10°	2482.7	2480.9	2487.3	2486.4	2494.5	2499.9	2503.6	2515.3	2531.6	2540.7	2548.8
12.5°	2376.9	2376.9	2380.5	2381.4	2388.7	2395.9	2400.4	2414.9	2428.5	2440.2	2458.3
15°	2264.7	2261.1	2252.9	2252.0	2254.7	2262.0	2271.9	2282.8	2303.6	2320.8	2336.2
17.5°	2147.1	2136.2	2126.3	2113.6	2112.7	2111.8	2117.2	2125.4	2157.9	2175.1	2196.8
20°	2043.0	2019.5	1996.0	1969.7	1954.4	1947.1	1949.8	1960.7	1991.4	2014.1	2036.7
22.5°	1949.8	1914.5	1877.4	1835.8	1810.5	1795.1	1796.9	1801.4	1824.1	1837.6	1849.4
25°	1870.2	1821.3	1769.8	1716.4	1681.1	1657.6	1656.7	1656.7	1646.7	1648.5	1642.2
27.5°	1815.9	1748.1	1682.0	1619.6	1573.4	1549.9	1518.2	1495.6	1475.7	1448.6	1436.8
30°	1763.4	1693.8	1618.7	1549.9	1494.7	1448.6	1389.8	1340.9	1302.0	1264.9	1233.2
32.5°	1716.4	1644.0	1572.5	1497.4	1421.4	1341.8	1264.9	1208.8	1153.6	1096.6	1058.6
35°	1674.8	1606.9	1535.4	1450.4	1343.6	1239.6	1152.7	1076.7	1011.6	942.8	887.6
37.5°	1651.2	1589.7	1515.5	1399.7	1265.8	1147.3	1050.5	965.4	878.6	796.2	728.4
40°	1639.5	1585.2	1494.7	1348.1	1196.1	1069.5	961.8	859.6	757.3	660.5	589.9
42.5°	1637.7	1585.2	1464.0	1295.7	1136.4	1000.7	880.4	757.3	633.4	539.3	476.8
45°	1654.0	1583.4	1431.4	1248.6	1083.0	939.2	794.4	649.6	522.1	439.7	405.3
47.5°	1701.0	1589.7	1406.0	1208.8	1032.4	871.3	696.7	530.2	421.6	384.5	383.6
50°	1777.0	1618.7	1400.6	1179.8	982.6	786.3	581.8	424.3	371.9	370.1	380.0
52.5°	1897.3	1673.0	1414.2	1159.9	922.9	675.9	460.5	366.4	356.5	366.4	379.1
55°	2162.5	1769.8	1432.3	1124.7	826.1	535.6	379.1	347.4	352.0	363.7	375.5
57.5°	2644.7	1970.6	1451.3	1045.0	669.5	411.7	341.1	340.2	348.3	358.3	369.2
60°	2950.5	2218.6	1497.4	927.4	505.8	340.2	326.6	335.7	345.6	352.9	361.9
62.5°	2960.5	2283.7	1521.9	801.6	376.4	311.2	314.0	331.2	342.9	345.6	350.2
65°	2769.6	2160.6	1411.5	652.4	312.2	295.0	304.9	320.3	332.1	333.9	337.5
67.5°	2419.4	1905.5	1196.1	492.2	284.1	282.3	293.2	304.9	313.1	320.3	325.7
70°	1822.3	1572.5	961.8	381.8	266.9	265.1	276.0	285.9	293.2	302.2	311.2
72.5°	923.8	1088.5	729.3	312.2	243.4	245.2	257.0	266.0	271.4	279.6	288.6
75°	314.9	475.0	461.4	252.4	217.2	224.4	229.8	239.8	247.9	253.3	257.9
77.5°	197.2	206.3	238.0	203.6	191.8	193.6	202.7	211.7	220.8	224.4	226.2
80°	164.7	165.6	166.5	162.9	163.8	169.2	174.6	184.6	193.6	195.4	196.3
82.5°	130.3	139.3	138.4	137.5	142.1	147.5	151.1	154.7	158.3	160.1	162.9
85°	114.9	113.1	114.0	116.7	113.1	109.5	108.6	108.6	114.0	120.3	123.1
87.5°	105.0	89.6	67.0	63.3	63.3	61.5	57.9	57.9	63.3	68.8	71.5
90°	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):**

	160°	165°	170°	175°	180°
0°	2696.3	2696.3	2696.3	2696.3	2696.3
2.5°	2680.0	2680.9	2680.0	2680.0	2684.5
5°	2660.1	2663.7	2661.9	2664.6	2667.3
7.5°	2619.4	2628.4	2630.2	2637.5	2634.8
10°	2560.6	2566.9	2575.9	2583.2	2580.5
12.5°	2467.4	2482.7	2496.3	2504.5	2502.7
15°	2348.8	2370.6	2388.7	2395.0	2387.7
17.5°	2222.2	2235.7	2257.5	2262.0	2269.2
20°	2062.0	2061.1	2080.1	2080.1	2076.5
22.5°	1853.0	1866.6	1866.6	1853.9	1847.6
25°	1639.5	1644.0	1630.4	1633.1	1616.0
27.5°	1425.0	1413.3	1402.4	1407.0	1394.3
30°	1220.6	1195.2	1184.4	1186.2	1172.6
32.5°	1024.2	994.4	983.5	969.0	957.3
35°	846.0	798.9	770.9	763.6	771.8
37.5°	671.4	637.9	604.4	580.0	582.7
40°	531.1	496.7	475.0	465.1	463.3
42.5°	438.8	418.9	414.4	415.3	415.3
45°	398.1	399.0	402.6	406.3	407.2
47.5°	390.0	395.4	401.7	406.3	407.2
50°	389.1	394.5	399.0	404.4	406.3
52.5°	388.2	391.8	394.5	397.2	399.9
55°	384.5	386.3	385.4	387.3	390.0
57.5°	375.5	376.4	374.6	375.5	380.9
60°	367.3	368.3	364.6	369.2	370.1
62.5°	357.4	356.5	354.7	357.4	357.4
65°	342.9	337.5	339.3	342.0	342.9
67.5°	325.7	320.3	320.3	322.1	324.8
70°	304.0	301.3	301.3	304.9	308.5
72.5°	279.6	281.4	286.8	292.2	297.7
75°	259.7	264.2	269.6	283.2	291.3
77.5°	234.3	235.2	239.8	253.3	267.8
80°	199.1	198.1	199.1	200.9	203.6
82.5°	157.4	155.6	150.2	152.0	148.4
85°	115.8	113.1	106.8	102.2	101.3
87.5°	67.0	67.0	64.2	60.6	57.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)