

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: INVUE

Report Number: P180906

Luminaire Tested: **ICM-E06-LED-E1-SL4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180906  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E06-LED-E1-SL4-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

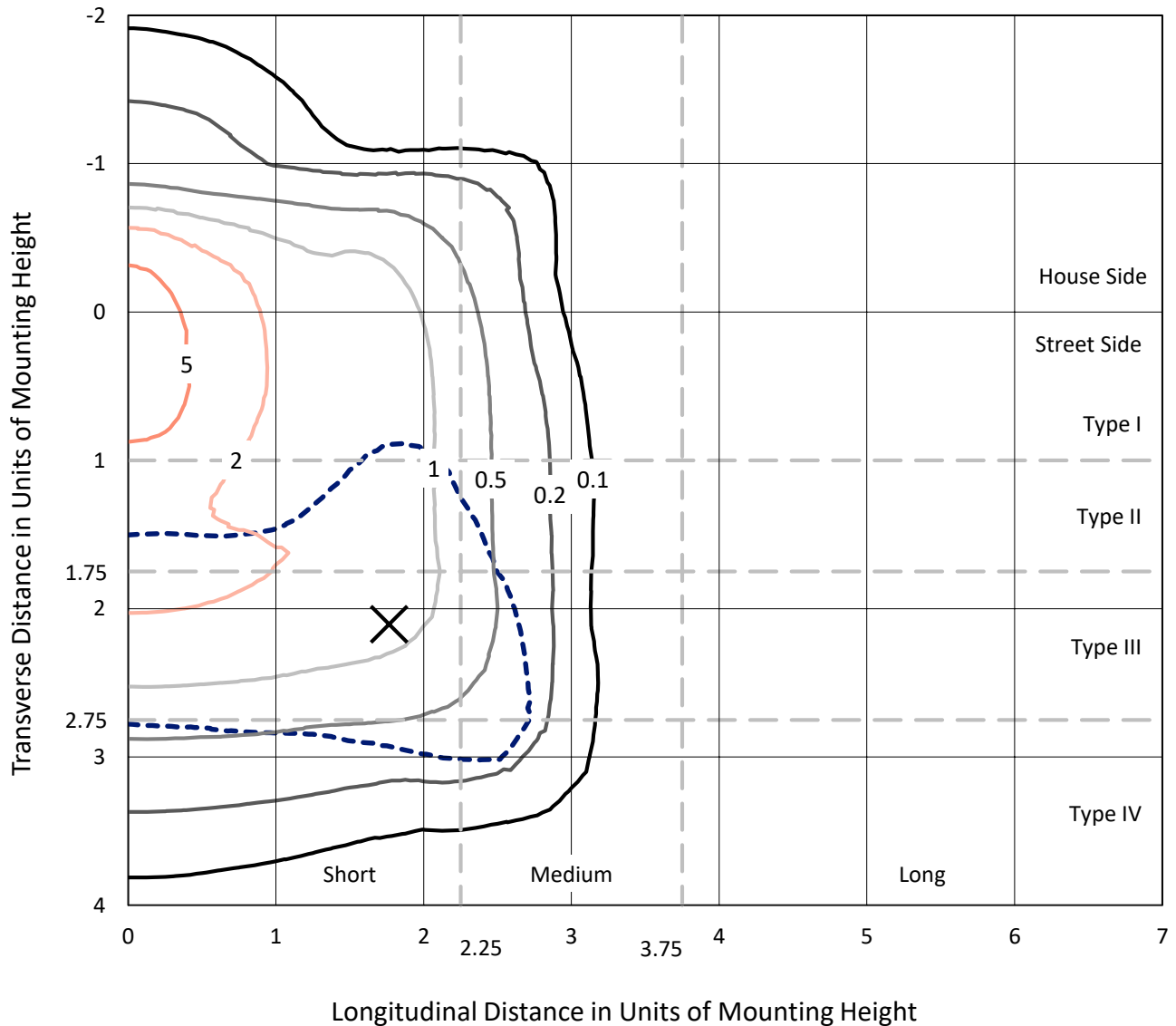
Lumens per Lamp: N/A  
Luminaire Lumens: 13915.9 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 150.5  
Input Voltage (V): NR  
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: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

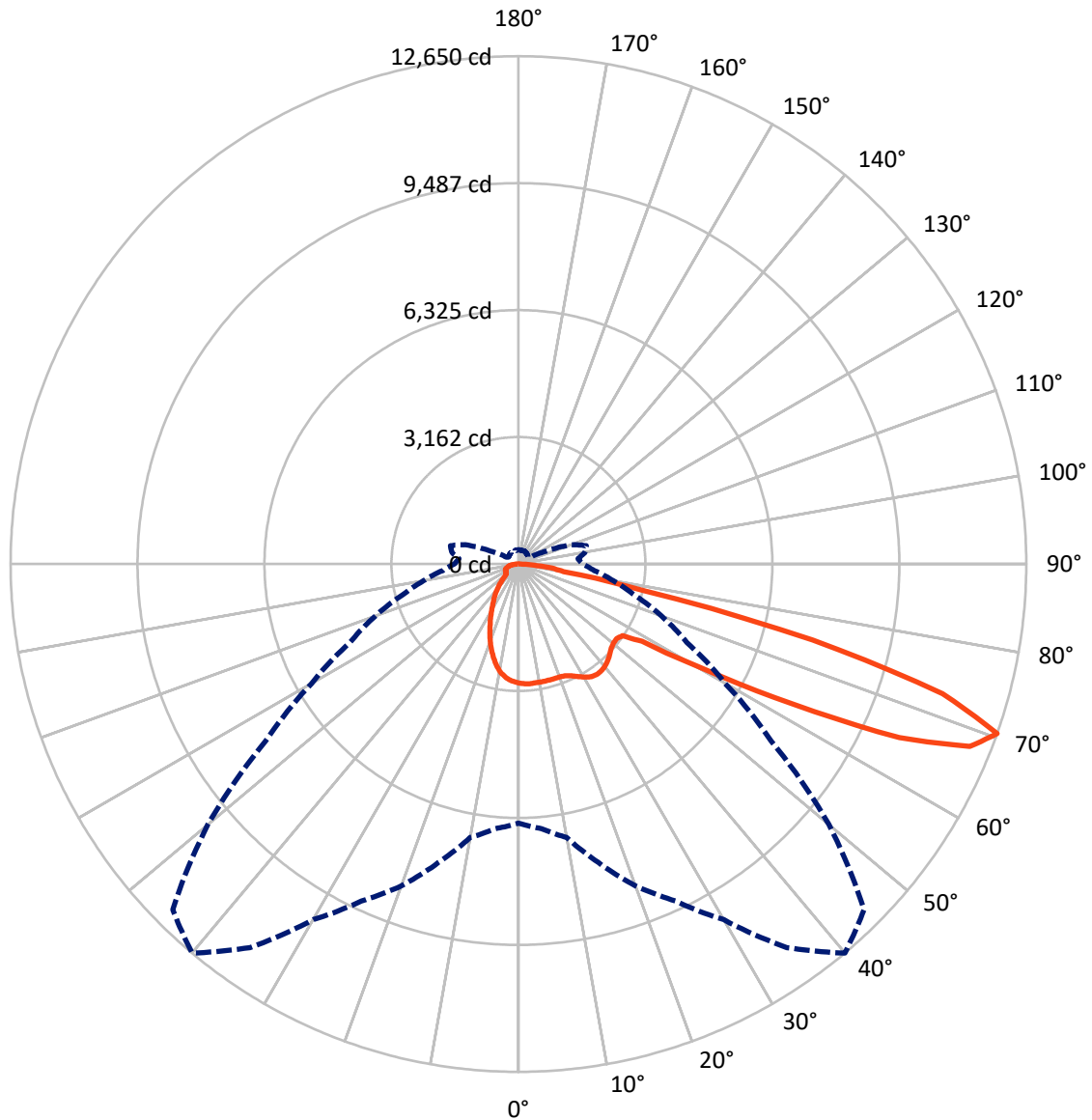
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2888.8	0.0	2888.8
	% Fixture	20.8	0.0	20.8
<b>Street Side</b>	Lumens	11027.1	0.0	11027.1
	% Fixture	79.2	0.0	79.2
<b>Total</b>	Lumens	13915.9	0.0	13915.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.4	2.0
10°-20°	759.4	5.5
20°-30°	1124.2	8.1
30°-40°	1420.7	10.2
40°-50°	1606.7	11.5
50°-60°	2286.3	16.4
60°-70°	4258.1	30.6
70°-80°	1951.5	14.0
80°-90°	231.7	1.7
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°	13915.9	100.0
0°-180°	13915.9	100.0



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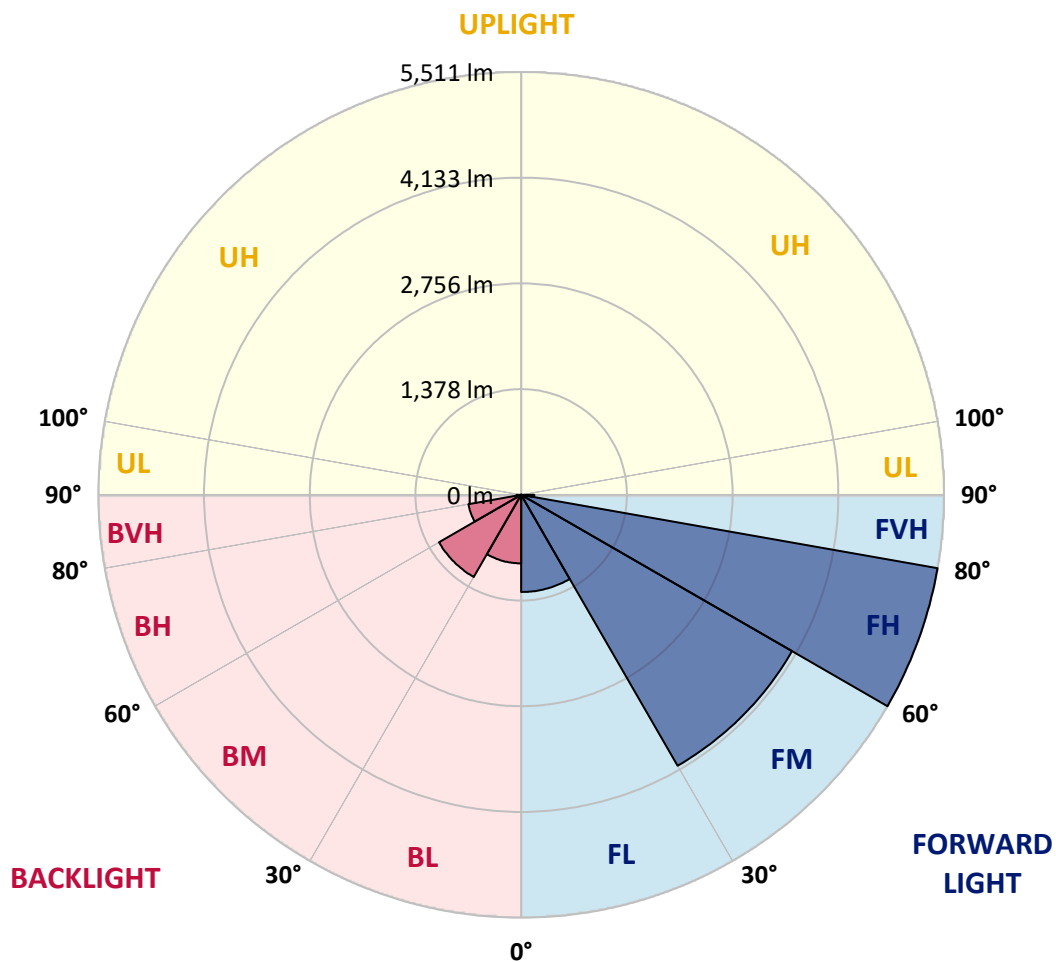
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1267.1	9.1			
FM	(30°-60°)	4076.9	29.3			
FH	(60°-80°)	5511.2	39.6			G3/7500
FVH	(80°-90°)	171.8	1.2			G2/225
BL	(0°-30°)	893.8	6.4	B2/1000		
BM	(30°-60°)	1236.8	8.9	B2/2500		
BH	(60°-80°)	698.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	59.8	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°	45°	50°
0°	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3
2.5°	3014.8	3022.7	3013.2	3011.6	3011.6	3010.2	3000.7	2999.1	2986.5	2988.1	2991.3
5°	3036.9	3039.9	3033.7	3032.1	3028.9	3022.7	3014.8	3005.4	2996.0	2986.5	2978.7
7.5°	3058.8	3055.6	3050.9	3050.9	3046.3	3036.9	3021.1	3008.6	2988.1	2977.1	2963.0
10°	3090.2	3085.5	3079.2	3076.1	3068.2	3054.1	3032.1	3014.8	2989.7	2967.7	2944.2
12.5°	3120.0	3118.4	3109.0	3104.3	3091.7	3077.6	3050.9	3024.3	2991.3	2956.8	2925.3
15°	3173.4	3167.2	3157.7	3148.3	3127.9	3109.0	3068.2	3036.9	2989.7	2944.2	2895.5
17.5°	3266.1	3255.1	3245.7	3225.2	3200.1	3167.2	3107.5	3054.1	2989.7	2923.7	2868.8
20°	3435.6	3412.1	3399.6	3372.9	3328.9	3269.2	3176.6	3090.2	2994.4	2909.6	2835.8
22.5°	3627.2	3611.6	3594.3	3577.0	3507.9	3421.5	3295.9	3167.2	3022.7	2903.4	2809.1
25°	3842.3	3821.9	3812.5	3782.6	3718.3	3619.4	3448.2	3269.2	3087.1	2928.5	2809.1
27.5°	4033.9	4027.7	4026.1	3991.5	3930.3	3814.1	3611.6	3396.4	3175.0	2980.3	2832.7
30°	4208.2	4201.9	4198.8	4179.9	4109.2	3971.1	3751.3	3509.4	3270.8	3052.5	2876.7
32.5°	4393.5	4373.1	4363.7	4327.6	4247.5	4085.7	3834.5	3583.3	3346.2	3123.2	2925.3
35°	4544.2	4527.0	4508.1	4456.3	4343.3	4151.7	3870.6	3608.4	3376.0	3162.4	2950.4
37.5°	4654.2	4636.9	4610.2	4544.2	4404.5	4173.7	3869.0	3600.5	3365.0	3156.1	2955.2
40°	4702.8	4685.5	4657.3	4574.1	4415.5	4161.1	3839.2	3564.4	3332.0	3123.2	2936.3
42.5°	4683.9	4671.4	4635.3	4555.2	4381.0	4104.6	3779.6	3496.9	3269.2	3069.8	2894.0
45°	4611.7	4602.4	4567.7	4483.0	4302.4	4013.5	3691.6	3412.1	3193.9	3003.8	2837.4
47.5°	4503.4	4500.3	4465.7	4382.5	4203.5	3922.4	3600.5	3328.9	3118.4	2939.5	2790.2
50°	4384.0	4368.4	4351.1	4274.2	4110.8	3843.9	3534.5	3277.0	3076.1	2915.9	2769.9
52.5°	4308.7	4304.0	4288.3	4219.2	4062.2	3798.3	3504.8	3258.3	3072.9	2911.2	2758.9
55°	4977.6	4988.6	4844.1	4544.2	4280.4	3924.0	3594.3	3354.0	3149.9	2986.5	2875.1
57.5°	7362.7	7314.1	7066.0	6470.9	5798.8	4911.7	4272.6	3884.8	3631.9	3660.2	3716.8
60°	8578.1	8568.7	8523.2	8292.3	7844.9	7169.6	6420.7	5561.7	5288.5	5318.4	5340.3
62.5°	9121.5	9135.6	9170.1	9083.8	8966.0	8769.7	8396.0	8050.6	7684.7	7548.0	7182.2
65°	9372.7	9397.8	9476.3	9525.0	9570.5	9605.1	9752.7	10157.8	10424.7	9925.4	8763.4
67.5°	8852.9	8973.8	9232.9	9485.7	9711.9	10033.7	10533.1	11473.7	12128.4	11514.5	9829.6
70°	6453.6	6618.5	6915.3	7697.3	8532.6	9262.8	10230.0	11662.0	12649.8	12175.5	10093.4
72.5°	4046.4	4092.0	4223.9	4511.3	5131.5	6068.9	7760.0	9908.2	11048.1	10669.6	8531.0
75°	2567.4	2583.0	2578.3	2644.3	2749.5	2953.6	3622.5	5852.2	7568.5	6978.1	4754.6
77.5°	1529.4	1552.9	1562.3	1582.8	1633.0	1705.2	1760.2	1991.1	3173.4	3080.8	1725.7
80°	1281.3	1300.1	1284.5	1279.7	1248.3	1226.3	1253.0	1226.3	1138.4	1096.0	1009.7
82.5°	678.3	676.7	672.1	717.6	810.2	882.4	937.4	924.8	836.9	712.8	604.6
85°	372.2	384.7	384.7	400.4	386.2	387.8	400.4	422.4	391.0	326.6	267.0
87.5°	31.4	48.7	39.3	48.7	66.0	47.1	45.6	45.6	39.3	28.3	25.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3
2.5°	2983.5	2980.3	2974.0	2969.3	2969.3	2961.4	2956.8	2953.6	2952.0	2945.8	2945.8
5°	2974.0	2963.0	2952.0	2944.2	2939.5	2931.6	2919.1	2912.8	2904.9	2898.6	2895.5
7.5°	2953.6	2933.2	2915.9	2903.4	2887.6	2875.1	2859.4	2845.2	2831.1	2824.9	2821.7
10°	2922.2	2895.5	2868.8	2845.2	2823.3	2801.3	2780.9	2760.5	2743.2	2730.6	2718.1
12.5°	2892.4	2851.6	2816.9	2782.4	2747.9	2721.2	2692.9	2663.1	2638.0	2614.4	2608.1
15°	2851.6	2804.4	2760.5	2718.1	2675.6	2631.7	2597.1	2564.2	2523.4	2496.7	2476.2
17.5°	2813.9	2757.3	2703.9	2653.7	2601.9	2556.3	2504.5	2460.6	2419.7	2378.9	2349.0
20°	2773.0	2711.7	2655.3	2598.7	2542.2	2484.1	2424.4	2367.9	2317.7	2268.9	2220.3
22.5°	2736.9	2674.1	2619.2	2557.9	2495.1	2429.1	2360.0	2289.4	2231.3	2168.5	2111.9
25°	2714.9	2645.8	2589.3	2529.6	2460.6	2388.3	2309.8	2226.6	2155.9	2083.7	2016.2
27.5°	2714.9	2625.4	2567.4	2507.6	2436.9	2360.0	2273.7	2182.6	2102.5	2022.4	1939.3
30°	2738.4	2628.6	2550.1	2487.3	2415.0	2331.8	2236.0	2140.2	2052.3	1958.1	1878.0
32.5°	2760.5	2634.8	2537.5	2457.4	2374.2	2292.6	2195.2	2093.1	1995.7	1906.2	1821.5
35°	2774.6	2634.8	2514.0	2411.8	2317.7	2237.6	2141.8	2039.7	1940.8	1852.8	1774.3
37.5°	2776.2	2622.2	2476.2	2360.0	2261.1	2177.9	2086.8	1991.1	1896.8	1815.2	1749.2
40°	2760.5	2597.1	2438.5	2305.1	2201.5	2116.7	2033.4	1947.1	1862.2	1794.8	1738.2
42.5°	2732.2	2570.4	2402.4	2261.1	2152.8	2064.8	1987.9	1914.1	1840.3	1782.2	1735.1
45°	2689.8	2534.3	2369.5	2234.4	2127.6	2035.0	1959.6	1898.4	1835.6	1786.9	1739.8
47.5°	2652.1	2521.8	2380.5	2251.7	2140.2	2044.5	1967.5	1915.6	1867.0	1834.1	1769.7
50°	2644.3	2515.5	2385.1	2265.9	2152.8	2055.5	1987.9	1961.2	1947.1	1926.7	1827.7
52.5°	2622.2	2514.0	2419.7	2353.8	2281.5	2236.0	2165.3	2190.4	2174.8	2102.5	1923.5
55°	2853.1	2884.5	2972.4	3098.1	3214.3	3241.0	3233.1	3203.3	3044.7	2619.2	2154.3
57.5°	3922.4	4099.8	4266.3	4340.1	4330.7	4247.5	4187.7	4066.9	3837.6	3319.5	2609.7
60°	5407.8	5436.1	5348.2	5217.9	4998.0	4814.4	4618.1	4391.9	4059.0	3551.8	2889.2
62.5°	6775.5	6395.6	6004.5	5637.2	5302.6	5010.6	4737.3	4421.8	3988.4	3459.2	2853.1
65°	7741.3	6937.3	6320.1	5792.6	5319.9	4911.7	4570.9	4161.1	3672.8	3195.4	2644.3
67.5°	8238.9	7006.4	6059.5	5324.6	4654.2	4088.9	3635.1	3236.2	2873.5	2664.7	2314.5
70°	7683.1	5946.5	4627.5	3796.8	2994.4	2400.9	1896.8	1592.2	1487.0	1684.8	1752.4
72.5°	5725.1	3870.6	2752.6	2129.2	1631.5	1300.1	997.1	783.5	637.5	668.9	868.4
75°	2707.1	1670.7	1180.8	898.1	714.4	592.0	483.6	442.8	370.6	307.7	288.9
77.5°	1053.6	767.8	634.3	464.7	329.8	265.4	226.1	218.2	223.0	216.7	213.6
80°	802.4	543.3	340.7	249.7	215.2	190.0	168.0	161.8	164.8	172.7	180.6
82.5°	447.5	279.5	207.3	180.6	161.8	138.1	125.6	116.2	117.8	127.2	144.5
85°	172.7	135.1	124.1	119.3	111.4	89.5	76.9	78.5	89.5	106.8	106.8
87.5°	18.9	18.9	25.1	18.9	18.9	18.9	17.3	20.4	22.0	28.3	32.9
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3	2969.3
2.5°	2942.6	2942.6	2942.6	2939.5	2941.0	2934.7	2934.7	2930.1	2937.9	2933.2	2931.6
5°	2897.0	2895.5	2889.2	2889.2	2889.2	2889.2	2894.0	2881.3	2890.8	2890.8	2886.1
7.5°	2820.1	2820.1	2802.8	2812.3	2809.1	2813.9	2820.1	2813.9	2823.3	2829.5	2824.9
10°	2713.3	2713.3	2699.2	2710.2	2705.5	2716.5	2727.5	2721.2	2727.5	2736.9	2740.0
12.5°	2595.6	2589.3	2576.8	2581.4	2581.4	2587.7	2592.5	2600.3	2608.1	2620.7	2627.0
15°	2459.0	2449.6	2433.9	2433.9	2424.4	2427.5	2436.9	2440.1	2455.8	2473.1	2493.5
17.5°	2319.2	2295.6	2278.4	2258.0	2242.2	2254.8	2265.9	2273.7	2286.2	2312.9	2327.1
20°	2187.4	2140.2	2107.3	2080.6	2063.3	2071.1	2085.2	2094.7	2105.7	2111.9	2116.7
22.5°	2057.0	2003.6	1958.1	1925.1	1896.8	1904.7	1898.4	1893.7	1901.5	1881.1	1879.5
25°	1943.9	1881.1	1819.9	1780.7	1746.1	1735.1	1702.1	1694.2	1672.3	1655.0	1642.4
27.5°	1862.2	1780.7	1713.1	1667.5	1612.7	1571.8	1529.4	1487.0	1463.5	1435.2	1421.0
30°	1797.9	1711.5	1631.5	1554.5	1482.3	1419.5	1363.0	1308.0	1270.3	1229.5	1202.8
32.5°	1738.2	1658.1	1560.8	1455.6	1358.2	1287.5	1213.8	1151.0	1091.3	1038.0	998.7
35°	1697.4	1607.9	1483.8	1355.1	1245.2	1162.0	1083.4	994.0	921.7	852.7	810.2
37.5°	1675.5	1565.5	1413.2	1270.3	1147.8	1053.6	956.3	852.7	764.7	700.3	635.9
40°	1658.1	1523.1	1350.4	1195.0	1066.1	953.1	840.1	717.6	620.3	552.7	502.5
42.5°	1639.4	1476.0	1295.4	1135.3	992.4	860.5	723.9	593.6	500.9	453.8	431.8
45°	1618.9	1435.2	1243.6	1078.7	920.2	760.0	603.0	482.0	427.1	411.4	411.4
47.5°	1614.1	1408.5	1206.0	1023.8	838.5	643.8	491.4	416.1	400.4	403.5	409.9
50°	1633.0	1400.7	1172.9	959.4	730.1	521.3	416.1	391.0	394.1	403.5	412.9
52.5°	1678.6	1406.9	1138.4	869.9	601.4	430.2	384.7	383.2	392.6	406.7	416.1
55°	1755.5	1406.9	1072.5	736.5	480.5	386.2	373.7	380.0	392.6	405.1	412.9
57.5°	1920.4	1392.8	956.3	588.8	402.0	370.6	370.6	378.4	389.4	402.0	408.3
60°	2116.7	1374.0	792.9	455.4	362.7	358.0	369.0	378.4	387.8	398.8	405.1
62.5°	2129.2	1325.3	628.1	376.8	342.3	350.1	367.4	380.0	383.2	391.0	398.8
65°	1956.5	1155.7	499.4	337.6	332.9	345.5	362.7	372.2	373.7	376.8	384.7
67.5°	1713.1	942.1	403.5	318.8	323.4	337.6	347.0	354.9	359.5	367.4	369.0
70°	1406.9	756.8	345.5	299.9	304.7	320.3	328.2	336.0	345.5	354.9	350.1
72.5°	997.1	588.8	303.1	279.5	285.8	299.9	309.3	315.6	323.4	332.9	326.6
75°	424.0	411.4	262.2	252.8	262.2	271.6	281.0	290.5	298.3	303.1	303.1
77.5°	216.7	241.8	226.1	226.1	232.4	241.8	249.7	259.1	263.8	268.5	274.8
80°	183.7	186.9	190.0	196.3	202.5	212.0	219.8	227.7	229.2	230.8	234.0
82.5°	152.3	158.6	161.8	171.2	175.9	179.0	183.7	183.7	186.9	186.9	182.1
85°	110.0	117.8	122.5	124.1	122.5	124.1	125.6	128.7	136.7	136.7	130.3
87.5°	31.4	29.9	37.7	39.3	42.4	48.7	55.0	66.0	69.1	72.2	72.2
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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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	2969.3	2969.3	2969.3	2969.3
2.5°	2930.1	2933.2	2926.9	2928.5
5°	2886.1	2892.4	2884.5	2894.0
7.5°	2829.5	2839.0	2837.4	2835.8
10°	2747.9	2760.5	2760.5	2765.1
12.5°	2644.3	2652.1	2658.4	2661.5
15°	2504.5	2518.6	2526.5	2526.5
17.5°	2336.5	2345.9	2350.6	2344.4
20°	2123.0	2119.8	2121.4	2105.7
22.5°	1876.4	1881.1	1867.0	1870.2
25°	1634.6	1626.7	1633.0	1623.6
27.5°	1400.7	1402.2	1384.9	1392.8
30°	1177.7	1169.8	1147.8	1158.8
32.5°	962.5	942.1	918.6	904.5
35°	760.0	728.6	717.6	712.8
37.5°	596.7	562.1	551.2	538.6
40°	474.2	461.7	456.9	460.1
42.5°	425.5	425.5	428.7	430.2
45°	412.9	417.7	422.4	424.0
47.5°	414.5	419.3	425.5	427.1
50°	417.7	422.4	427.1	428.7
52.5°	419.3	419.3	422.4	424.0
55°	416.1	414.5	416.1	417.7
57.5°	409.9	406.7	408.3	412.9
60°	406.7	402.0	405.1	408.3
62.5°	398.8	397.3	400.4	402.0
65°	381.6	383.2	387.8	387.8
67.5°	365.9	367.4	369.0	370.6
70°	347.0	348.6	351.7	353.3
72.5°	325.0	331.4	336.0	342.3
75°	307.7	314.0	323.4	329.8
77.5°	278.0	282.6	293.7	301.5
80°	235.5	234.0	235.5	240.3
82.5°	180.6	180.6	179.0	177.4
85°	127.2	125.6	120.9	120.9
87.5°	69.1	67.5	66.0	62.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)