

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: P180912

Luminaire Tested: **ICM-F06-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180912
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-F06-LED-E1-SL4-7030
Description: ICON SITE MEDIUM LED 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: 12432 lumens
Efficiency: N/A
Efficacy: 79.4 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 - G2

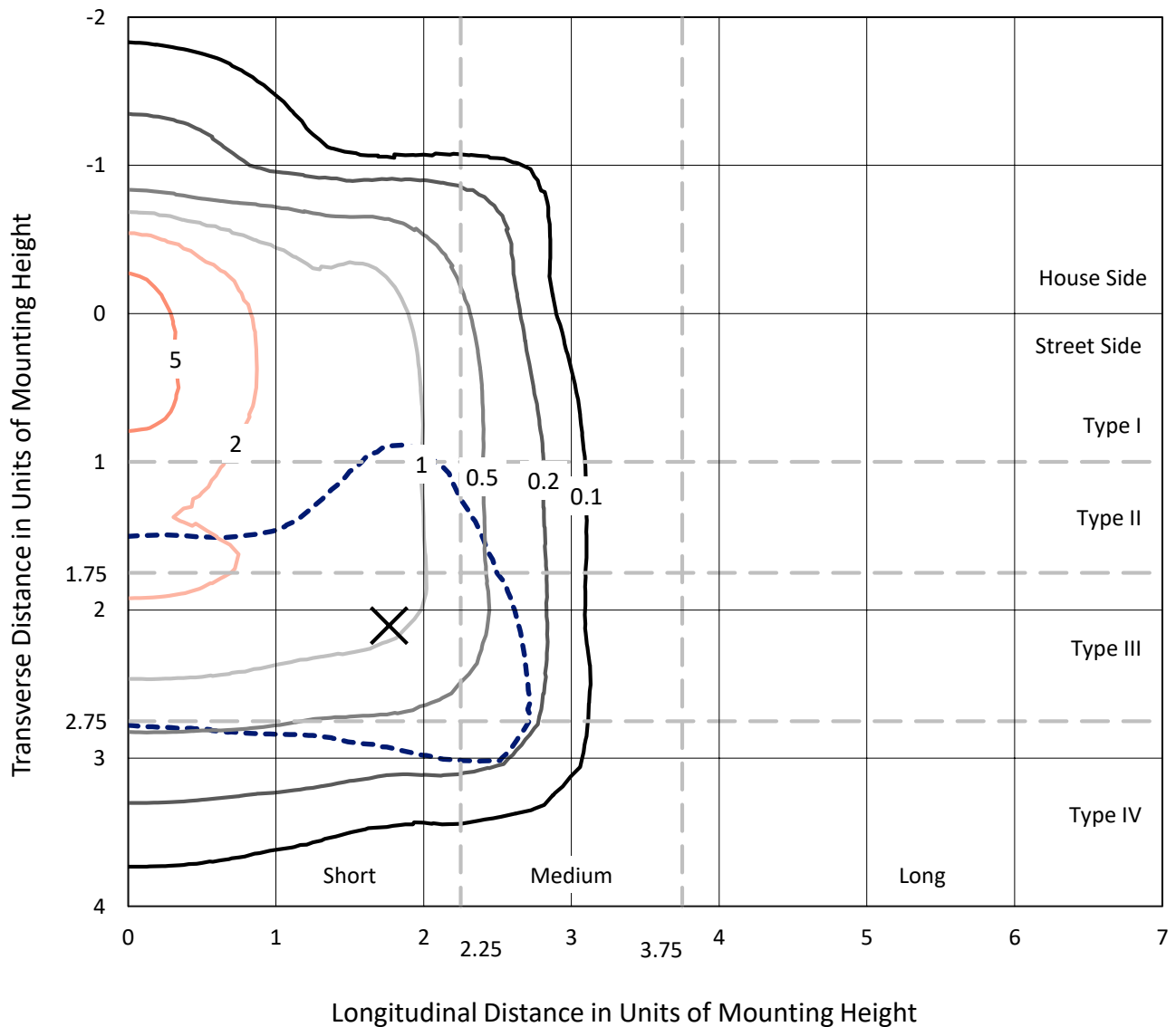
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

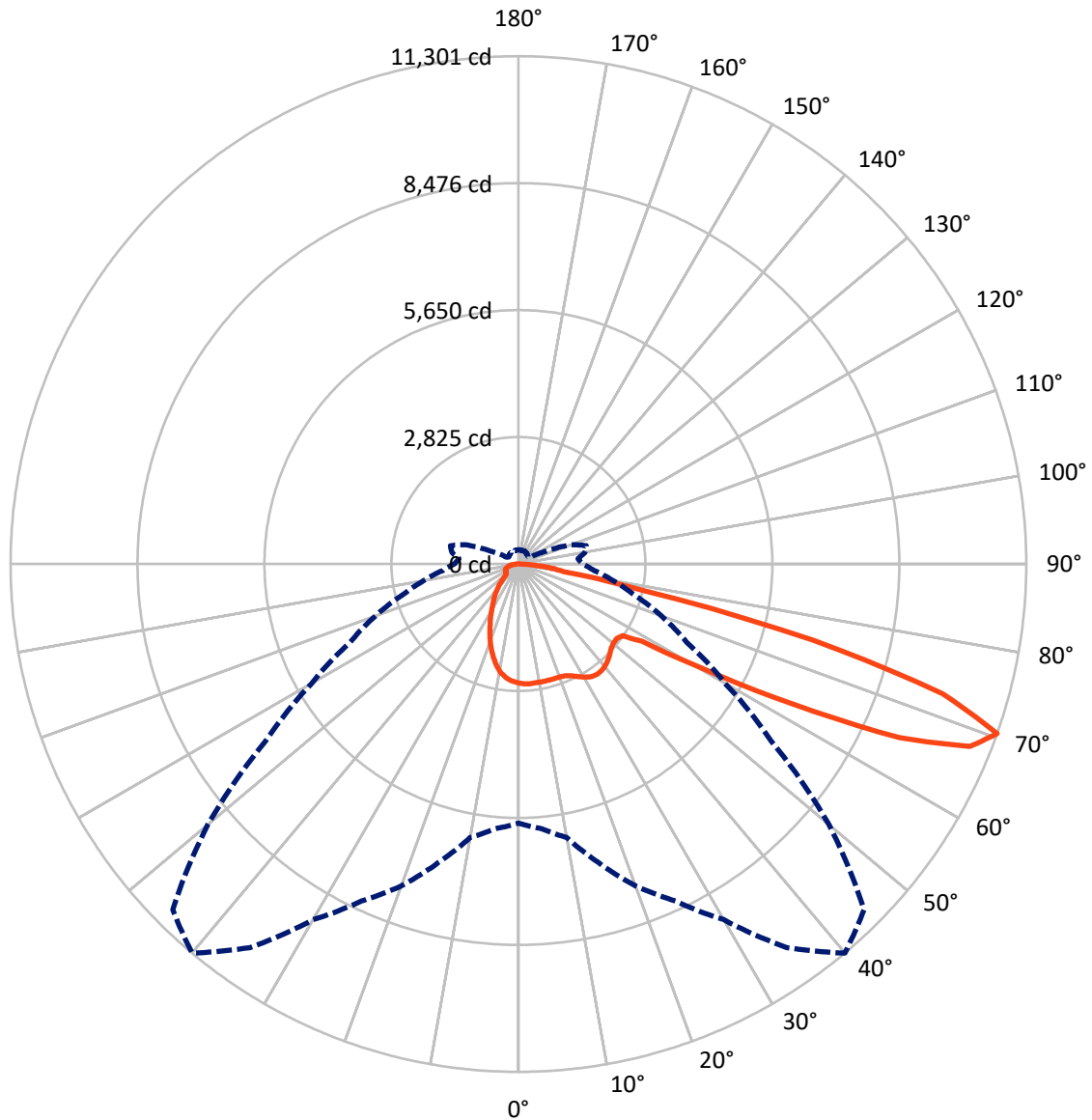
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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
House Side	Lumens	2580.7	0.0	2580.7
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	9851.2	0.0	9851.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	12432.0	0.0	12432.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	2.0
10°-20°	678.4	5.5
20°-30°	1004.3	8.1
30°-40°	1269.2	10.2
40°-50°	1435.4	11.5
50°-60°	2042.5	16.4
60°-70°	3804.0	30.6
70°-80°	1743.4	14.0
80°-90°	207.0	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°	12432.0	100.0
0°-180°	12432.0	100.0



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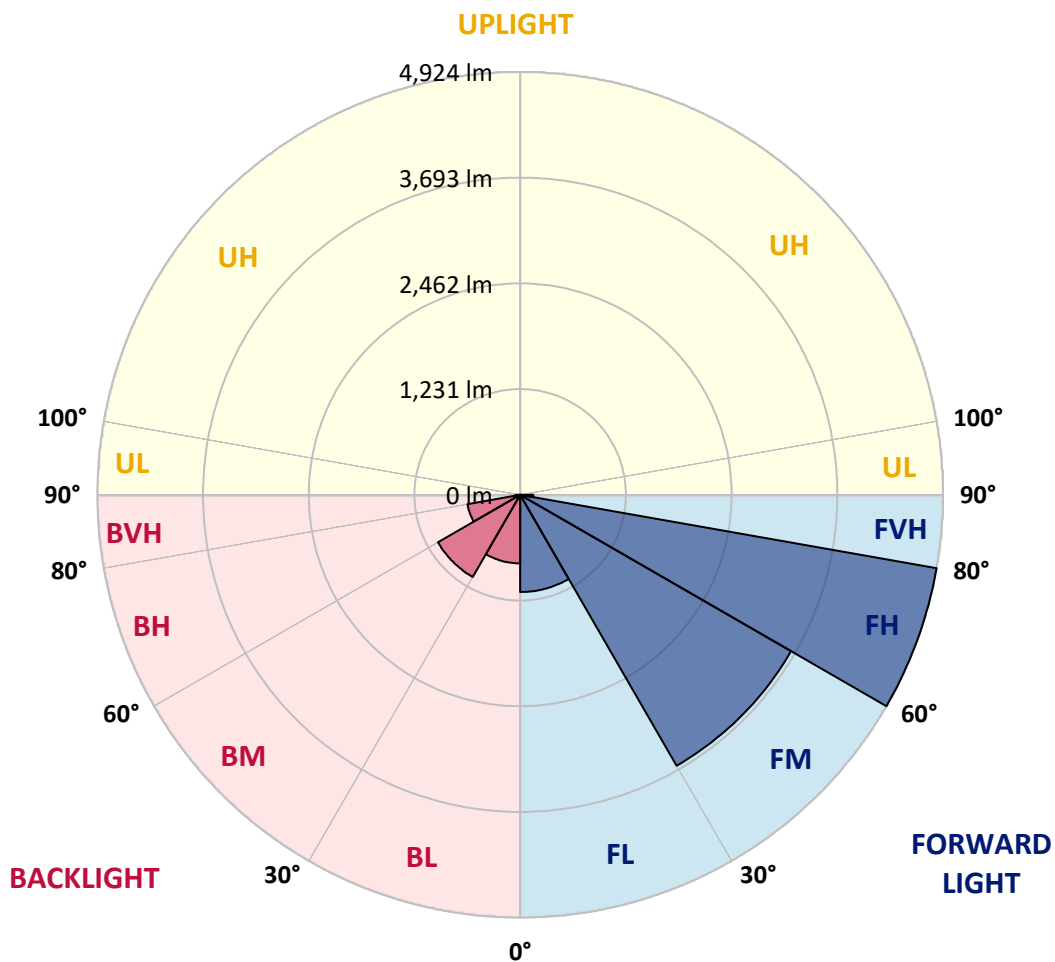
CATALOG NUMBER: ICM-F06-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1132.0	9.1			
FM	(30°-60°)	3642.2	29.3			
FH	(60°-80°)	4923.5	39.6			G2/5000
FVH	(80°-90°)	153.5	1.2			G2/225
BL	(0°-30°)	798.5	6.4	B2/1000		
BM	(30°-60°)	1104.9	8.9	B2/2500		
BH	(60°-80°)	623.9	5.0	B2/1000		G2/1000
BVH	(80°-90°)	53.4	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7
2.5°	2693.3	2700.4	2691.9	2690.5	2690.5	2689.1	2680.8	2679.4	2668.1	2669.5	2672.3
5°	2712.9	2715.8	2710.2	2708.8	2706.0	2700.4	2693.3	2684.9	2676.5	2668.1	2661.1
7.5°	2732.7	2729.8	2725.6	2725.6	2721.4	2712.9	2699.0	2687.7	2669.5	2659.6	2647.1
10°	2760.7	2756.5	2750.9	2748.0	2741.0	2728.4	2708.8	2693.3	2670.9	2651.3	2630.2
12.5°	2787.4	2786.0	2777.5	2773.3	2762.1	2749.5	2725.6	2701.8	2672.3	2641.4	2613.4
15°	2835.0	2829.4	2821.0	2812.6	2794.3	2777.5	2741.0	2712.9	2670.9	2630.2	2586.7
17.5°	2917.8	2908.0	2899.6	2881.3	2858.9	2829.4	2776.1	2728.4	2670.9	2612.0	2562.9
20°	3069.3	3048.3	3037.0	3013.2	2973.9	2920.6	2837.9	2760.7	2675.1	2599.4	2533.4
22.5°	3240.4	3226.4	3211.0	3195.6	3133.8	3056.7	2944.5	2829.4	2700.4	2593.8	2509.6
25°	3432.6	3414.3	3406.0	3379.3	3321.8	3233.4	3080.5	2920.6	2757.9	2616.2	2509.6
27.5°	3603.7	3598.2	3596.8	3565.9	3511.2	3407.4	3226.4	3034.3	2836.4	2662.5	2530.6
30°	3759.5	3753.9	3751.1	3734.3	3671.1	3547.6	3351.3	3135.3	2922.0	2727.0	2569.9
32.5°	3925.0	3906.7	3898.3	3866.1	3794.5	3650.1	3425.6	3201.1	2989.3	2790.2	2613.4
35°	4059.7	4044.2	4027.4	3981.1	3880.1	3709.0	3457.9	3223.6	3016.0	2825.2	2635.8
37.5°	4157.9	4142.4	4118.5	4059.7	3934.8	3728.6	3456.5	3216.6	3006.2	2819.6	2640.0
40°	4201.3	4185.9	4160.7	4086.4	3944.7	3717.4	3429.8	3184.3	2976.7	2790.2	2623.2
42.5°	4184.5	4173.3	4141.0	4069.5	3913.8	3666.9	3376.5	3124.0	2920.6	2742.4	2585.3
45°	4120.0	4111.6	4080.7	4005.0	3843.7	3585.5	3298.0	3048.3	2853.2	2683.6	2534.8
47.5°	4023.2	4020.4	3989.5	3915.2	3755.3	3504.2	3216.6	2973.9	2786.0	2626.1	2492.8
50°	3916.6	3902.5	3887.1	3818.3	3672.5	3434.1	3157.7	2927.6	2748.0	2604.9	2474.5
52.5°	3849.2	3845.0	3831.0	3769.3	3629.0	3393.3	3131.0	2910.8	2745.2	2600.8	2464.7
55°	4446.8	4456.7	4327.6	4059.7	3824.0	3505.6	3211.0	2996.4	2814.0	2668.1	2568.5
57.5°	6577.7	6534.2	6312.5	5780.9	5180.5	4387.9	3817.0	3470.5	3244.7	3269.9	3320.4
60°	7663.4	7655.0	7614.4	7408.1	7008.3	6405.2	5736.0	4968.7	4724.6	4751.3	4770.9
62.5°	8148.8	8161.4	8192.2	8115.1	8009.9	7834.6	7500.7	7192.0	6865.3	6743.2	6416.3
65°	8373.3	8395.7	8465.8	8509.3	8550.0	8580.9	8712.7	9074.7	9313.1	8867.0	7829.0
67.5°	7908.9	8016.9	8248.4	8474.2	8676.2	8963.8	9409.9	10250.2	10835.1	10286.7	8781.4
70°	5765.4	5912.8	6177.9	6876.5	7622.7	8275.0	9139.1	10418.5	11300.8	10877.2	9017.1
72.5°	3615.0	3655.7	3773.5	4030.2	4584.3	5421.8	6932.6	8851.6	9870.0	9532.0	7621.3
75°	2293.6	2307.5	2303.4	2362.3	2456.3	2638.6	3236.2	5228.2	6761.4	6234.0	4247.7
77.5°	1366.3	1387.4	1395.7	1414.1	1458.9	1523.5	1572.6	1778.7	2835.0	2752.3	1541.7
80°	1144.7	1161.5	1147.4	1143.3	1115.2	1095.5	1119.4	1095.5	1017.0	979.2	902.0
82.5°	606.1	604.6	600.4	641.1	723.8	788.4	837.5	826.2	747.7	636.8	540.1
85°	332.5	343.7	343.7	357.7	345.1	346.5	357.7	377.3	349.3	291.8	238.5
87.5°	28.1	43.4	35.1	43.4	58.9	42.0	40.7	40.7	35.1	25.2	22.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7
2.5°	2665.3	2662.5	2656.9	2652.7	2652.7	2645.7	2641.4	2638.6	2637.2	2631.6	2631.6
5°	2656.9	2647.1	2637.2	2630.2	2626.1	2619.0	2607.7	2602.2	2595.2	2589.5	2586.7
7.5°	2638.6	2620.4	2604.9	2593.8	2579.7	2568.5	2554.4	2541.9	2529.2	2523.6	2520.9
10°	2610.6	2586.7	2562.9	2541.9	2522.2	2502.5	2484.3	2466.1	2450.7	2439.5	2428.2
12.5°	2583.9	2547.5	2516.6	2485.8	2454.9	2431.0	2405.8	2379.1	2356.7	2335.6	2330.1
15°	2547.5	2505.4	2466.1	2428.2	2390.3	2351.1	2320.2	2290.7	2254.2	2230.4	2212.2
17.5°	2513.8	2463.3	2415.6	2370.7	2324.4	2283.7	2237.4	2198.2	2161.7	2125.2	2098.5
20°	2477.3	2422.6	2372.1	2321.6	2271.1	2219.2	2165.9	2115.4	2070.5	2027.0	1983.5
22.5°	2445.0	2388.9	2339.8	2285.1	2229.0	2170.2	2108.4	2045.2	1993.3	1937.2	1886.7
25°	2425.4	2363.7	2313.2	2259.9	2198.2	2133.6	2063.5	1989.1	1926.1	1861.5	1801.2
27.5°	2425.4	2345.5	2293.6	2240.3	2177.1	2108.4	2031.3	1949.9	1878.3	1806.8	1732.5
30°	2446.4	2348.3	2278.2	2222.1	2157.5	2083.2	1997.6	1912.0	1833.4	1749.3	1677.8
32.5°	2466.1	2353.9	2266.9	2195.4	2121.0	2048.1	1961.1	1869.9	1783.0	1703.0	1627.3
35°	2478.7	2353.9	2245.9	2154.7	2070.5	1999.0	1913.4	1822.2	1733.9	1655.3	1585.1
37.5°	2480.1	2342.6	2212.2	2108.4	2020.0	1945.7	1864.3	1778.7	1694.5	1621.6	1562.7
40°	2466.1	2320.2	2178.5	2059.3	1966.7	1891.0	1816.6	1739.5	1663.7	1603.4	1552.8
42.5°	2440.9	2296.4	2146.2	2020.0	1923.3	1844.7	1775.9	1710.0	1644.1	1592.2	1550.1
45°	2403.0	2264.1	2116.9	1996.2	1900.8	1818.1	1750.7	1696.0	1639.8	1596.4	1554.2
47.5°	2369.3	2252.9	2126.6	2011.6	1912.0	1826.4	1757.7	1711.4	1667.9	1638.4	1580.9
50°	2362.3	2247.3	2130.8	2024.2	1923.3	1836.3	1775.9	1752.1	1739.5	1721.2	1632.8
52.5°	2342.6	2245.9	2161.7	2102.8	2038.2	1997.6	1934.4	1956.8	1942.9	1878.3	1718.4
55°	2548.9	2576.9	2655.5	2767.7	2871.5	2895.4	2888.3	2861.7	2720.0	2339.8	1924.7
57.5°	3504.2	3662.7	3811.4	3877.3	3868.9	3794.5	3741.2	3633.2	3428.4	2965.5	2331.5
60°	4831.2	4856.5	4777.9	4661.4	4465.1	4301.0	4125.6	3923.6	3626.2	3173.1	2581.1
62.5°	6053.1	5713.5	5364.2	5036.0	4737.2	4476.3	4232.2	3950.3	3563.1	3090.3	2548.9
65°	6915.8	6197.5	5646.2	5174.9	4752.7	4387.9	4083.5	3717.4	3281.1	2854.7	2362.3
67.5°	7360.4	6259.2	5413.3	4756.9	4157.9	3652.9	3247.5	2891.2	2567.1	2380.6	2067.7
70°	6863.9	5312.3	4134.0	3391.9	2675.1	2144.9	1694.5	1422.4	1328.5	1505.2	1565.5
72.5°	5114.5	3457.9	2459.1	1902.2	1457.5	1161.5	890.8	700.0	569.5	597.6	775.7
75°	2418.4	1492.6	1054.9	802.4	638.2	528.8	432.1	395.6	331.1	275.0	258.1
77.5°	941.3	686.0	566.7	415.3	294.6	237.0	202.0	195.0	199.2	193.6	190.8
80°	716.8	485.4	304.4	223.1	192.2	169.8	150.1	144.5	147.3	154.3	161.3
82.5°	399.8	249.7	185.2	161.3	144.5	123.4	112.2	103.8	105.2	113.6	129.0
85°	154.3	120.7	110.8	106.6	99.6	80.0	68.7	70.1	80.0	95.3	95.3
87.5°	16.8	16.8	22.4	16.8	16.8	16.8	15.4	18.2	19.6	25.2	29.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7	2652.7
2.5°	2628.9	2628.9	2628.9	2626.1	2627.5	2621.8	2621.8	2617.6	2624.6	2620.4	2619.0
5°	2588.1	2586.7	2581.1	2581.1	2581.1	2581.1	2585.3	2574.2	2582.5	2582.5	2578.3
7.5°	2519.4	2519.4	2504.0	2512.4	2509.6	2513.8	2519.4	2513.8	2522.2	2527.8	2523.6
10°	2424.0	2424.0	2411.4	2421.2	2417.0	2426.8	2436.7	2431.0	2436.7	2445.0	2447.8
12.5°	2318.8	2313.2	2302.0	2306.2	2306.2	2311.8	2316.0	2323.0	2330.1	2341.2	2346.9
15°	2196.8	2188.4	2174.3	2174.3	2165.9	2168.7	2177.1	2179.9	2194.0	2209.4	2227.6
17.5°	2071.9	2050.9	2035.5	2017.2	2003.2	2014.4	2024.2	2031.3	2042.4	2066.3	2078.9
20°	1954.1	1912.0	1882.5	1858.7	1843.3	1850.2	1862.9	1871.4	1881.1	1886.7	1891.0
22.5°	1837.7	1790.0	1749.3	1719.8	1694.5	1701.6	1696.0	1691.7	1698.8	1680.6	1679.2
25°	1736.7	1680.6	1625.9	1590.8	1559.9	1550.1	1520.7	1513.6	1494.0	1478.5	1467.4
27.5°	1663.7	1590.8	1530.4	1489.8	1440.7	1404.2	1366.3	1328.5	1307.4	1282.1	1269.5
30°	1606.1	1529.0	1457.5	1388.8	1324.2	1268.1	1217.6	1168.6	1134.9	1098.4	1074.5
32.5°	1552.8	1481.3	1394.3	1300.4	1213.4	1150.2	1084.4	1028.3	975.0	927.3	892.2
35°	1516.4	1436.5	1325.6	1210.6	1112.4	1038.1	967.9	888.0	823.4	761.7	723.8
37.5°	1496.8	1398.6	1262.5	1134.9	1025.4	941.3	854.3	761.7	683.2	625.7	568.1
40°	1481.3	1360.7	1206.4	1067.5	952.5	851.4	750.5	641.1	554.1	493.8	448.9
42.5°	1464.5	1318.6	1157.3	1014.2	886.5	768.7	646.7	530.2	447.4	405.4	385.8
45°	1446.2	1282.1	1111.0	963.7	822.1	679.0	538.7	430.7	381.6	367.5	367.5
47.5°	1442.1	1258.3	1077.3	914.6	749.1	575.2	439.1	371.7	357.7	360.6	366.1
50°	1458.9	1251.3	1047.9	857.1	652.3	465.8	371.7	349.3	352.1	360.6	368.9
52.5°	1499.5	1256.9	1017.0	777.1	537.3	384.4	343.7	342.2	350.7	363.4	371.7
55°	1568.3	1256.9	958.1	657.9	429.2	345.1	333.9	339.4	350.7	362.0	368.9
57.5°	1715.6	1244.3	854.3	526.0	359.1	331.1	331.1	338.0	347.9	359.1	364.7
60°	1891.0	1227.4	708.4	406.8	324.0	319.8	329.7	338.0	346.5	356.3	362.0
62.5°	1902.2	1183.9	561.1	336.7	305.8	312.8	328.3	339.4	342.2	349.3	356.3
65°	1747.9	1032.5	446.0	301.6	297.4	308.7	324.0	332.5	333.9	336.7	343.7
67.5°	1530.4	841.7	360.6	284.7	288.9	301.6	310.0	317.0	321.2	328.3	329.7
70°	1256.9	676.1	308.7	267.9	272.1	286.1	293.2	300.2	308.7	317.0	312.8
72.5°	890.8	526.0	270.7	249.7	255.4	267.9	276.4	282.0	288.9	297.4	291.8
75°	378.8	367.5	234.2	225.9	234.2	242.7	251.1	259.5	266.5	270.7	270.7
77.5°	193.6	216.0	202.0	202.0	207.6	216.0	223.1	231.4	235.6	239.9	245.5
80°	164.1	167.0	169.8	175.3	180.9	189.4	196.4	203.4	204.8	206.2	209.0
82.5°	136.1	141.7	144.5	152.9	157.1	159.9	164.1	164.1	167.0	167.0	162.7
85°	98.2	105.2	109.4	110.8	109.4	110.8	112.2	115.1	122.0	122.0	116.5
87.5°	28.1	26.7	33.7	35.1	37.9	43.4	49.1	58.9	61.8	64.6	64.6
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°	2652.7	2652.7	2652.7	2652.7
2.5°	2617.6	2620.4	2614.8	2616.2
5°	2578.3	2583.9	2576.9	2585.3
7.5°	2527.8	2536.2	2534.8	2533.4
10°	2454.9	2466.1	2466.1	2470.3
12.5°	2362.3	2369.3	2374.9	2377.7
15°	2237.4	2250.1	2257.1	2257.1
17.5°	2087.4	2095.7	2100.0	2094.3
20°	1896.6	1893.8	1895.2	1881.1
22.5°	1676.3	1680.6	1667.9	1670.7
25°	1460.3	1453.3	1458.9	1450.5
27.5°	1251.3	1252.7	1237.2	1244.3
30°	1052.1	1045.1	1025.4	1035.3
32.5°	859.9	841.7	820.7	808.0
35°	679.0	650.9	641.1	636.8
37.5°	533.0	502.2	492.4	481.1
40°	423.6	412.4	408.2	411.0
42.5°	380.2	380.2	383.0	384.4
45°	368.9	373.1	377.3	378.8
47.5°	370.3	374.5	380.2	381.6
50°	373.1	377.3	381.6	383.0
52.5°	374.5	374.5	377.3	378.8
55°	371.7	370.3	371.7	373.1
57.5°	366.1	363.4	364.7	368.9
60°	363.4	359.1	362.0	364.7
62.5°	356.3	354.9	357.7	359.1
65°	340.8	342.2	346.5	346.5
67.5°	326.9	328.3	329.7	331.1
70°	310.0	311.4	314.2	315.6
72.5°	290.4	296.0	300.2	305.8
75°	275.0	280.6	288.9	294.6
77.5°	248.3	252.5	262.3	269.3
80°	210.4	209.0	210.4	214.6
82.5°	161.3	161.3	159.9	158.5
85°	113.6	112.2	108.0	108.0
87.5°	61.8	60.3	58.9	56.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)