

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: P152193

Luminaire Tested: **VXS-F06-LED-E1-SL4-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152193
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: VXS-F06-LED-E1-SL4-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12349.4 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

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: 25 FT



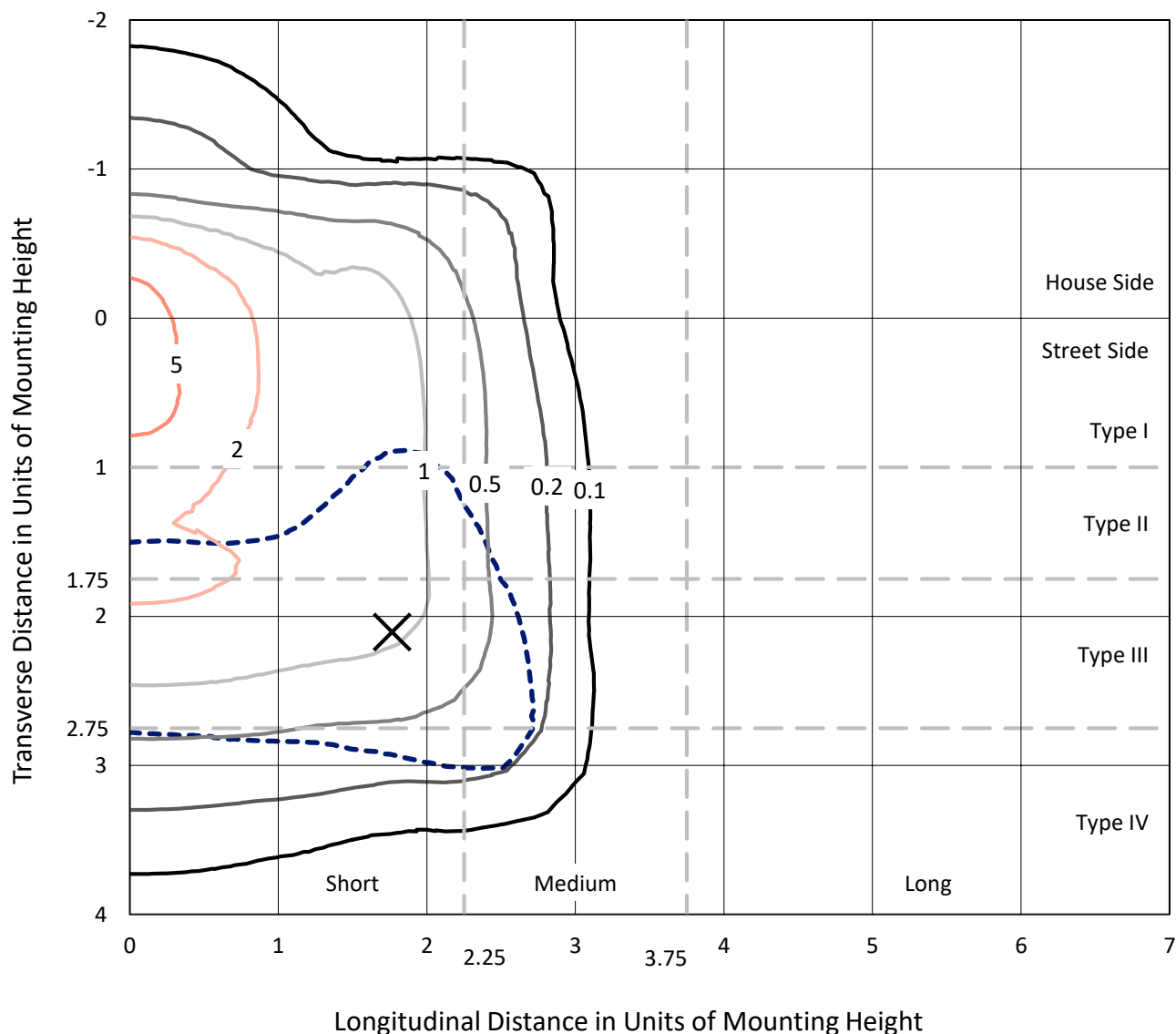
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

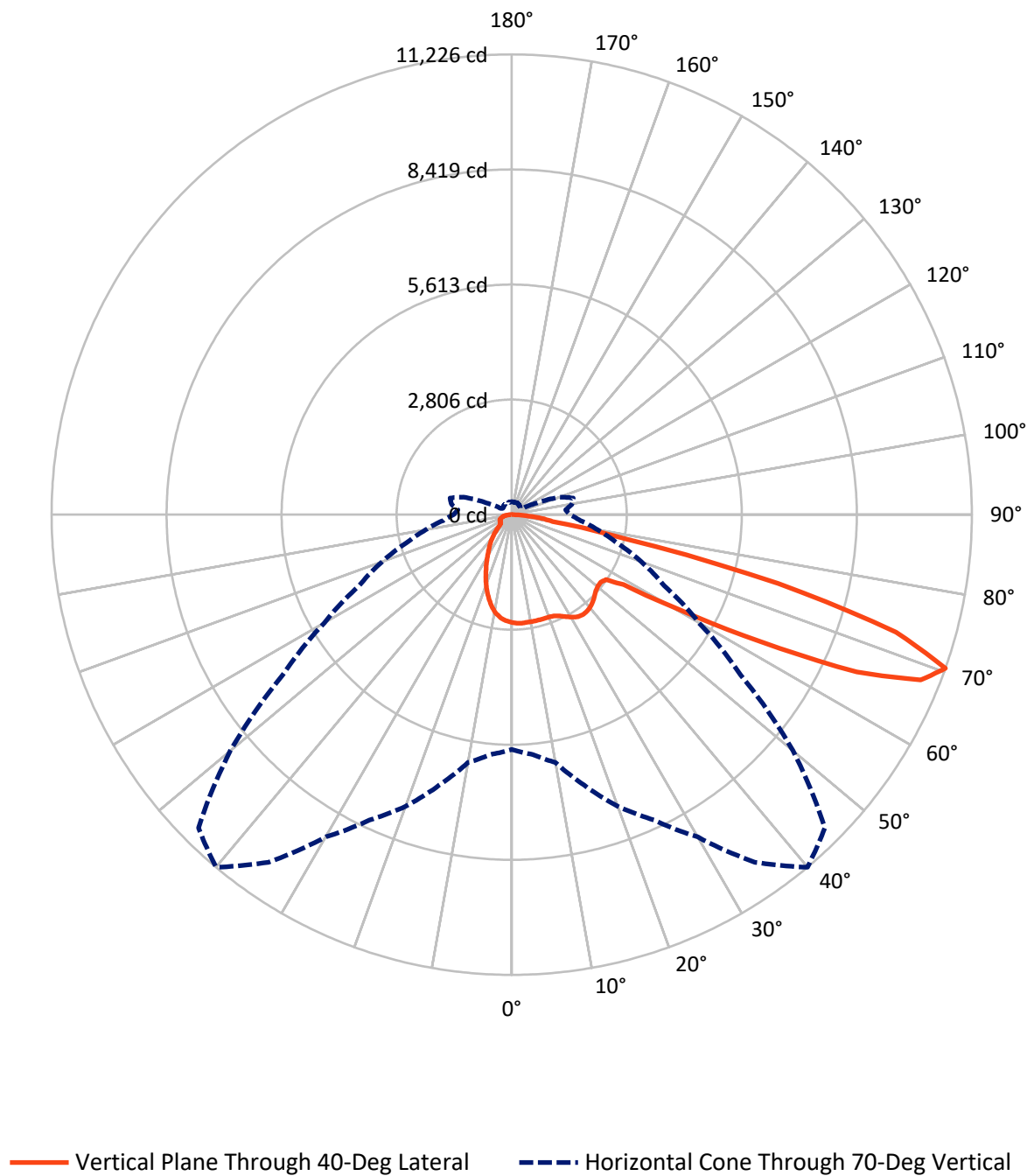


Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.6	0.0	2563.6
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	9785.8	0.0	9785.8
	% Fixture	79.2	0.0	79.2
Total	Lumens	12349.4	0.0	12349.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	2.0
10°-20°	673.9	5.5
20°-30°	997.6	8.1
30°-40°	1260.7	10.2
40°-50°	1425.8	11.5
50°-60°	2029.0	16.4
60°-70°	3778.8	30.6
70°-80°	1731.8	14.0
80°-90°	205.6	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°	12349.4	100.0
0°-180°	12349.4	100.0

Coefficient of Utilization



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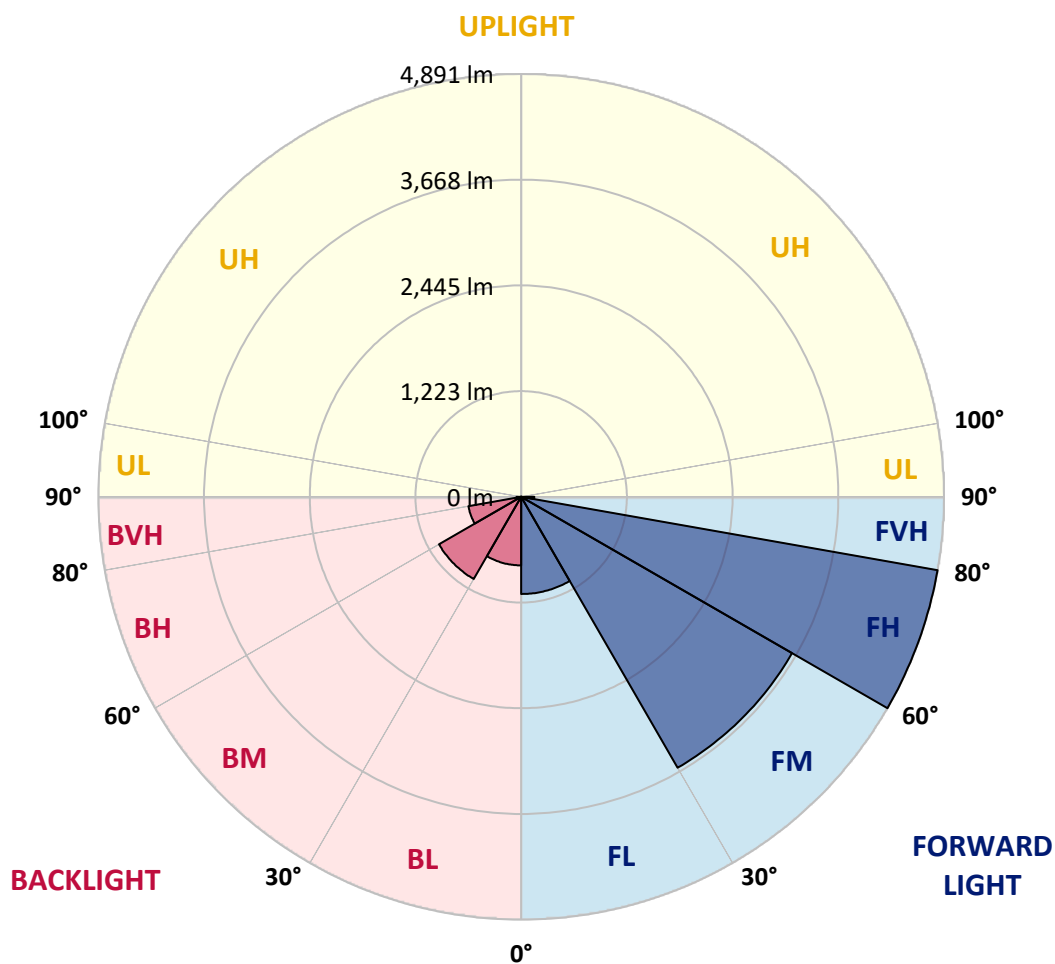
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1124.5	9.1			
FM	(30°-60°)	3618.0	29.3			
FH	(60°-80°)	4890.8	39.6			G2/5000
FVH	(80°-90°)	152.5	1.2			G2/225
BL	(0°-30°)	793.2	6.4	B2/1000		
BM	(30°-60°)	1097.6	8.9	B2/2500		
BH	(60°-80°)	619.8	5.0	B2/1000		G2/1000
BVH	(80°-90°)	53.1	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°	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0
2.5°	2675.4	2682.4	2674.1	2672.6	2672.6	2671.3	2662.9	2661.6	2650.4	2651.8	2654.6
5°	2694.9	2697.7	2692.2	2690.8	2688.0	2682.4	2675.4	2667.2	2658.8	2650.4	2643.4
7.5°	2714.5	2711.7	2707.6	2707.6	2703.3	2694.9	2681.0	2669.8	2651.8	2642.1	2629.4
10°	2742.4	2738.1	2732.6	2729.8	2722.8	2710.3	2690.8	2675.4	2653.2	2633.7	2612.7
12.5°	2768.8	2767.5	2759.1	2754.9	2743.7	2731.2	2707.6	2683.8	2654.6	2623.9	2596.1
15°	2816.2	2810.7	2802.3	2793.9	2775.8	2759.1	2722.8	2694.9	2653.2	2612.7	2569.5
17.5°	2898.4	2888.7	2880.3	2862.2	2839.9	2810.7	2757.7	2710.3	2653.2	2594.6	2545.9
20°	3048.9	3028.0	3016.9	2993.2	2954.2	2901.2	2819.0	2742.4	2657.3	2582.1	2516.6
22.5°	3219.0	3205.0	3189.6	3174.3	3113.1	3036.4	2924.9	2810.7	2682.4	2576.5	2493.0
25°	3409.8	3391.7	3383.3	3356.9	3299.7	3211.9	3060.1	2901.2	2739.6	2598.9	2493.0
27.5°	3579.8	3574.3	3572.8	3542.2	3487.9	3384.8	3205.0	3014.1	2817.6	2644.8	2513.8
30°	3734.5	3728.9	3726.1	3709.4	3646.7	3524.0	3329.0	3114.4	2902.6	2708.9	2552.8
32.5°	3899.0	3880.8	3872.4	3840.4	3769.3	3625.8	3402.9	3179.9	2969.5	2771.6	2596.1
35°	4032.7	4017.4	4000.6	3954.7	3854.3	3684.4	3434.9	3202.2	2996.0	2806.4	2618.3
37.5°	4130.3	4114.9	4091.2	4032.7	3908.7	3703.8	3433.5	3195.2	2986.2	2800.8	2622.5
40°	4173.5	4158.1	4133.1	4059.2	3918.4	3692.7	3407.0	3163.2	2957.0	2771.6	2605.8
42.5°	4156.7	4145.6	4113.6	4042.5	3887.8	3642.5	3354.1	3103.2	2901.2	2724.2	2568.2
45°	4092.6	4084.2	4053.6	3978.3	3818.1	3561.8	3276.1	3028.0	2834.3	2665.7	2518.0
47.5°	3996.5	3993.7	3963.0	3889.2	3730.4	3480.9	3195.2	2954.2	2767.5	2608.6	2476.2
50°	3890.6	3876.7	3861.3	3793.1	3648.1	3411.2	3136.7	2908.2	2729.8	2587.7	2458.1
52.5°	3823.7	3819.5	3805.6	3744.2	3604.9	3370.8	3110.3	2891.5	2727.0	2583.5	2448.3
55°	4417.3	4427.0	4298.9	4032.7	3798.7	3482.3	3189.6	2976.5	2795.3	2650.4	2551.4
57.5°	6534.0	6490.8	6270.6	5742.5	5146.1	4358.8	3791.6	3447.5	3223.1	3248.2	3298.3
60°	7612.5	7604.1	7563.7	7359.0	6961.8	6362.6	5697.9	4935.6	4693.2	4719.7	4739.2
62.5°	8094.7	8107.3	8137.8	8061.2	7956.7	7782.5	7450.9	7144.4	6819.7	6698.4	6373.8
65°	8317.6	8339.9	8409.6	8452.7	8493.2	8523.8	8654.8	9014.4	9251.3	8808.1	7777.0
67.5°	7856.4	7963.7	8193.6	8417.9	8618.7	8904.2	9347.4	10182.1	10763.2	10218.3	8723.1
70°	5727.2	5873.5	6136.9	6830.8	7572.1	8220.1	9078.4	10349.3	11225.8	10805.0	8957.2
72.5°	3591.0	3631.4	3748.4	4003.4	4553.9	5385.8	6886.5	8792.8	9804.5	9468.6	7570.8
75°	2278.3	2292.2	2288.1	2346.6	2440.0	2621.1	3214.7	5193.5	6716.6	6192.5	4219.5
77.5°	1357.2	1378.1	1386.5	1404.7	1449.2	1513.3	1562.1	1766.9	2816.2	2734.0	1531.4
80°	1137.1	1153.8	1139.9	1135.6	1107.8	1088.3	1112.0	1088.3	1010.3	972.6	896.0
82.5°	602.0	600.6	596.4	636.8	719.1	783.1	831.9	820.7	742.7	632.6	536.5
85°	330.3	341.5	341.5	355.3	342.8	344.1	355.3	374.8	346.9	289.8	236.9
87.5°	27.9	43.2	34.8	43.2	58.5	41.8	40.4	40.4	34.8	25.1	22.3
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°	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0
2.5°	2647.6	2644.8	2639.3	2635.0	2635.0	2628.1	2623.9	2621.1	2619.7	2614.2	2614.2
5°	2639.3	2629.4	2619.7	2612.7	2608.6	2601.7	2590.5	2584.9	2577.9	2572.3	2569.5
7.5°	2621.1	2603.0	2587.7	2576.5	2562.6	2551.4	2537.5	2525.0	2512.4	2506.8	2504.0
10°	2593.3	2569.5	2545.9	2525.0	2505.5	2485.9	2467.9	2449.7	2434.4	2423.2	2412.1
12.5°	2566.7	2530.6	2499.9	2469.2	2438.5	2414.9	2389.8	2363.3	2341.0	2320.1	2314.5
15°	2530.6	2488.7	2449.7	2412.1	2374.5	2335.4	2304.8	2275.5	2239.3	2215.6	2197.5
17.5°	2497.1	2446.9	2399.6	2354.9	2309.0	2268.6	2222.6	2183.5	2147.4	2111.1	2084.7
20°	2460.8	2406.5	2356.4	2306.2	2256.1	2204.5	2151.5	2101.3	2056.8	2013.6	1970.4
22.5°	2428.8	2373.1	2324.4	2269.9	2214.2	2155.8	2094.4	2031.7	1980.1	1924.4	1874.2
25°	2409.3	2348.0	2297.8	2244.9	2183.5	2119.5	2049.8	1976.0	1913.3	1849.1	1789.2
27.5°	2409.3	2329.8	2278.3	2225.4	2162.7	2094.4	2017.7	1936.9	1865.9	1794.8	1720.9
30°	2430.3	2332.6	2263.0	2207.3	2143.1	2069.3	1984.4	1899.3	1821.2	1737.6	1666.6
32.5°	2449.7	2338.2	2251.8	2180.8	2106.9	2034.5	1948.1	1857.5	1771.1	1691.7	1616.5
35°	2462.3	2338.2	2231.0	2140.4	2056.8	1985.7	1900.7	1810.2	1722.3	1644.2	1574.6
37.5°	2463.6	2327.0	2197.5	2094.4	2006.6	1932.7	1851.9	1766.9	1683.3	1610.9	1552.3
40°	2449.7	2304.8	2164.0	2045.6	1953.7	1878.4	1804.6	1727.9	1652.6	1592.7	1542.6
42.5°	2424.7	2281.1	2132.0	2006.6	1910.5	1832.4	1764.1	1698.7	1633.2	1581.6	1539.8
45°	2387.0	2249.0	2102.8	1982.9	1888.2	1805.9	1739.1	1684.7	1629.0	1585.8	1543.9
47.5°	2353.6	2237.9	2112.5	1998.2	1899.3	1814.3	1746.0	1700.0	1656.8	1627.6	1570.5
50°	2346.6	2232.3	2116.7	2010.8	1910.5	1824.0	1764.1	1740.4	1727.9	1709.7	1622.0
52.5°	2327.0	2231.0	2147.4	2088.8	2024.7	1984.4	1921.6	1943.9	1929.9	1865.9	1707.0
55°	2531.9	2559.8	2637.8	2749.3	2852.4	2876.2	2869.1	2842.7	2702.0	2324.4	1911.8
57.5°	3480.9	3638.3	3786.0	3851.5	3843.2	3769.3	3716.4	3609.1	3405.6	2945.8	2316.0
60°	4799.1	4824.2	4746.1	4630.5	4435.4	4272.3	4098.2	3897.5	3602.1	3152.0	2563.9
62.5°	6012.8	5675.6	5328.6	5002.6	4705.8	4446.5	4204.1	3924.0	3539.4	3069.8	2531.9
65°	6869.8	6156.4	5608.7	5140.5	4721.0	4358.8	4056.4	3692.7	3259.4	2835.8	2346.6
67.5°	7311.5	6217.6	5377.4	4725.3	4130.3	3628.6	3225.9	2871.9	2550.1	2364.8	2054.0
70°	6818.2	5277.1	4106.5	3369.4	2657.3	2130.6	1683.3	1413.0	1319.6	1495.2	1555.1
72.5°	5080.6	3434.9	2442.8	1889.5	1447.8	1153.8	884.9	695.3	565.7	593.6	770.6
75°	2402.4	1482.7	1047.9	797.1	634.0	525.4	429.2	393.0	328.8	273.2	256.4
77.5°	935.0	681.5	563.0	412.4	292.6	235.5	200.6	193.7	197.8	192.3	189.5
80°	712.0	482.2	302.4	221.6	190.9	168.6	149.1	143.5	146.3	153.3	160.2
82.5°	397.1	248.1	183.9	160.2	143.5	122.6	111.5	103.1	104.6	112.8	128.2
85°	153.3	119.8	110.1	105.9	99.0	79.4	68.3	69.6	79.4	94.7	94.7
87.5°	16.7	16.7	22.3	16.7	16.7	16.7	15.3	18.1	19.5	25.1	29.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0	2635.0
2.5°	2611.4	2611.4	2611.4	2608.6	2609.9	2604.4	2604.4	2600.2	2607.2	2603.0	2601.7
5°	2571.0	2569.5	2563.9	2563.9	2563.9	2563.9	2568.2	2557.0	2565.4	2565.4	2561.2
7.5°	2502.7	2502.7	2487.4	2495.8	2493.0	2497.1	2502.7	2497.1	2505.5	2511.0	2506.8
10°	2407.9	2407.9	2395.3	2405.2	2400.9	2410.7	2420.4	2414.9	2420.4	2428.8	2431.6
12.5°	2303.4	2297.8	2286.7	2290.9	2290.9	2296.5	2300.6	2307.6	2314.5	2325.7	2331.3
15°	2182.2	2173.8	2159.9	2159.9	2151.5	2154.3	2162.7	2165.5	2179.4	2194.7	2212.8
17.5°	2058.1	2037.3	2022.0	2003.8	1989.8	2001.0	2010.8	2017.7	2028.9	2052.5	2065.1
20°	1941.1	1899.3	1870.1	1846.3	1831.0	1838.0	1850.6	1858.9	1868.6	1874.2	1878.4
22.5°	1825.5	1778.0	1737.6	1708.4	1683.3	1690.3	1684.7	1680.5	1687.5	1669.4	1668.0
25°	1725.1	1669.4	1615.0	1580.2	1549.5	1539.8	1510.6	1503.5	1484.0	1468.7	1457.6
27.5°	1652.6	1580.2	1520.3	1479.9	1431.1	1394.8	1357.2	1319.6	1298.8	1273.7	1261.1
30°	1595.5	1518.9	1447.8	1379.6	1315.4	1259.7	1209.5	1160.7	1127.4	1091.1	1067.4
32.5°	1542.6	1471.5	1385.1	1291.7	1205.4	1142.7	1077.2	1021.5	968.5	921.0	886.2
35°	1506.3	1426.9	1316.8	1202.6	1105.0	1031.2	961.5	882.1	817.9	756.7	719.1
37.5°	1486.8	1389.3	1254.1	1127.4	1018.7	935.0	848.6	756.7	678.7	621.5	564.4
40°	1471.5	1351.7	1198.3	1060.4	946.2	845.8	745.5	636.8	550.5	490.5	445.9
42.5°	1454.8	1309.8	1149.6	1007.5	880.7	763.6	642.4	526.7	444.6	402.7	383.2
45°	1436.7	1273.7	1103.6	957.3	816.6	674.4	535.1	427.8	379.1	365.1	365.1
47.5°	1432.5	1249.9	1070.2	908.5	744.1	571.3	436.2	369.2	355.3	358.1	363.7
50°	1449.2	1243.0	1040.9	851.4	648.0	462.6	369.2	346.9	349.7	358.1	366.5
52.5°	1489.6	1248.6	1010.3	772.0	533.7	381.8	341.5	340.0	348.4	360.9	369.2
55°	1557.9	1248.6	951.7	653.6	426.4	342.8	331.6	337.2	348.4	359.5	366.5
57.5°	1704.2	1236.0	848.6	522.6	356.7	328.8	328.8	335.9	345.6	356.7	362.3
60°	1878.4	1219.3	703.7	404.1	321.9	317.7	327.5	335.9	344.1	354.0	359.5
62.5°	1889.5	1176.1	557.4	334.4	303.7	310.8	326.1	337.2	340.0	346.9	354.0
65°	1736.3	1025.6	443.1	299.6	295.4	306.5	321.9	330.3	331.6	334.4	341.5
67.5°	1520.3	836.1	358.1	282.9	287.0	299.6	308.0	314.9	319.1	326.1	327.5
70°	1248.6	671.6	306.5	266.1	270.4	284.2	291.2	298.2	306.5	314.9	310.8
72.5°	884.9	522.6	268.9	248.1	253.6	266.1	274.5	280.1	287.0	295.4	289.8
75°	376.3	365.1	232.7	224.4	232.7	241.0	249.4	257.8	264.8	268.9	268.9
77.5°	192.3	214.6	200.6	200.6	206.2	214.6	221.6	229.9	234.1	238.2	243.8
80°	163.0	165.8	168.6	174.2	179.8	188.1	195.1	202.1	203.4	204.9	207.7
82.5°	135.1	140.7	143.5	151.9	156.1	158.9	163.0	163.0	165.8	165.8	161.7
85°	97.5	104.6	108.7	110.1	108.7	110.1	111.5	114.3	121.2	121.2	115.6
87.5°	27.9	26.4	33.5	34.8	37.6	43.2	48.8	58.5	61.3	64.1	64.1
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):

	165°	170°	175°	180°
0°	2635.0	2635.0	2635.0	2635.0
2.5°	2600.2	2603.0	2597.4	2598.9
5°	2561.2	2566.7	2559.8	2568.2
7.5°	2511.0	2519.4	2518.0	2516.6
10°	2438.5	2449.7	2449.7	2453.9
12.5°	2346.6	2353.6	2359.2	2362.0
15°	2222.6	2235.1	2242.1	2242.1
17.5°	2073.5	2081.9	2086.0	2080.4
20°	1883.9	1881.1	1882.6	1868.6
22.5°	1665.2	1669.4	1656.8	1659.6
25°	1450.6	1443.6	1449.2	1440.8
27.5°	1243.0	1244.4	1229.0	1236.0
30°	1045.1	1038.1	1018.7	1028.4
32.5°	854.2	836.1	815.1	802.6
35°	674.4	646.5	636.8	632.6
37.5°	529.5	498.9	489.1	477.9
40°	420.8	409.6	405.5	408.3
42.5°	377.6	377.6	380.4	381.8
45°	366.5	370.7	374.8	376.3
47.5°	367.9	372.0	377.6	379.1
50°	370.7	374.8	379.1	380.4
52.5°	372.0	372.0	374.8	376.3
55°	369.2	367.9	369.2	370.7
57.5°	363.7	360.9	362.3	366.5
60°	360.9	356.7	359.5	362.3
62.5°	354.0	352.5	355.3	356.7
65°	338.7	340.0	344.1	344.1
67.5°	324.7	326.1	327.5	328.8
70°	308.0	309.3	312.1	313.6
72.5°	288.5	294.0	298.2	303.7
75°	273.2	278.7	287.0	292.6
77.5°	246.6	250.8	260.6	267.6
80°	209.0	207.7	209.0	213.2
82.5°	160.2	160.2	158.9	157.5
85°	112.8	111.5	107.3	107.3
87.5°	61.3	59.9	58.5	55.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)