

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: P152196

Luminaire Tested: **VXS-F06-LED-E1-SL4-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152196
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-SL4-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15014.1 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B2 - U0 - G3

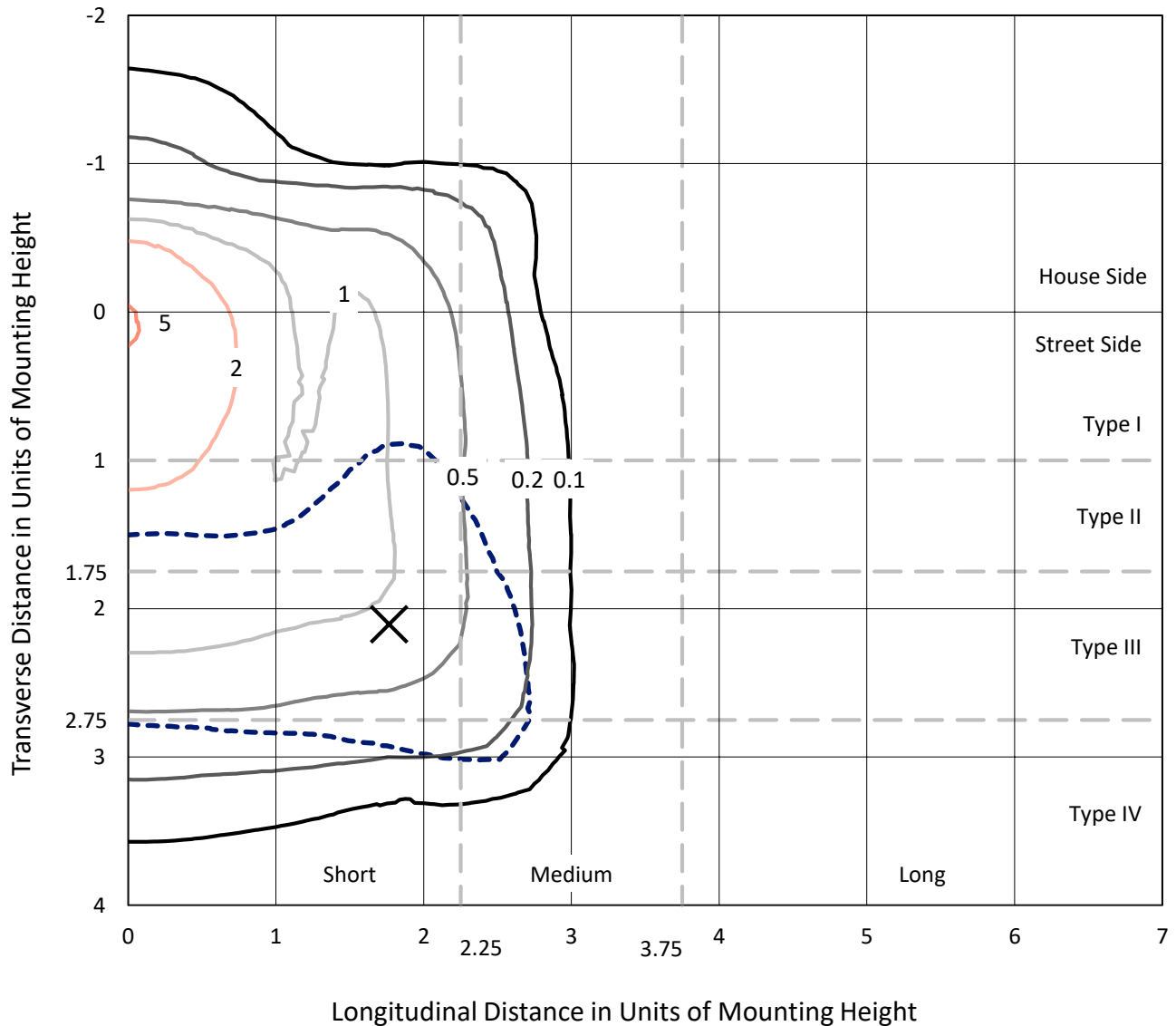
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

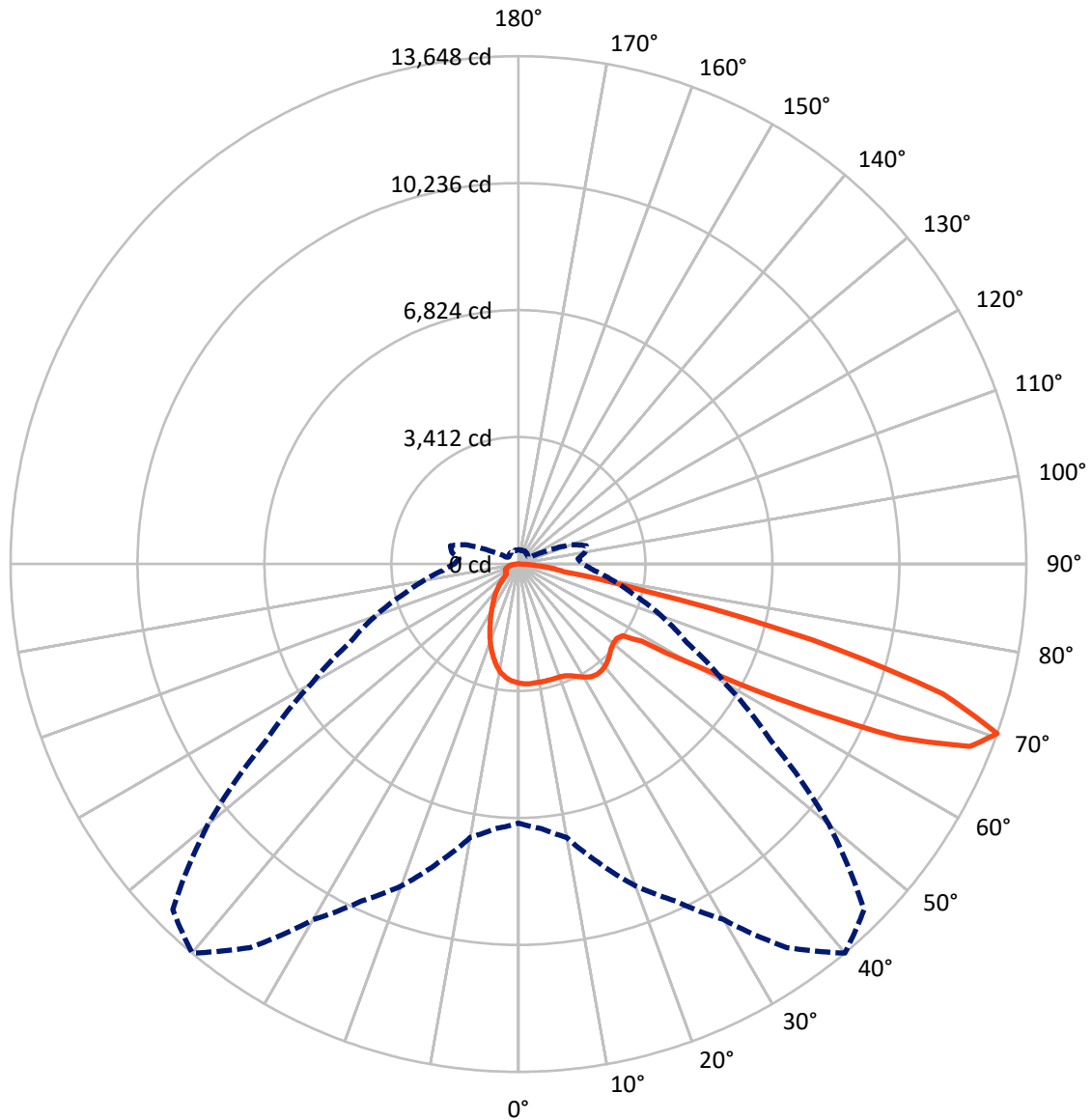
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	3116.8	0.0	3116.8
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	11897.4	0.0	11897.4
	% Fixture	79.2	0.0	79.2
Total	Lumens	15014.1	0.0	15014.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.3	2.0
10°-20°	819.3	5.5
20°-30°	1212.9	8.1
30°-40°	1532.8	10.2
40°-50°	1733.5	11.5
50°-60°	2466.8	16.4
60°-70°	4594.2	30.6
70°-80°	2105.5	14.0
80°-90°	249.9	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°	15014.1	100.0
0°-180°	15014.1	100.0



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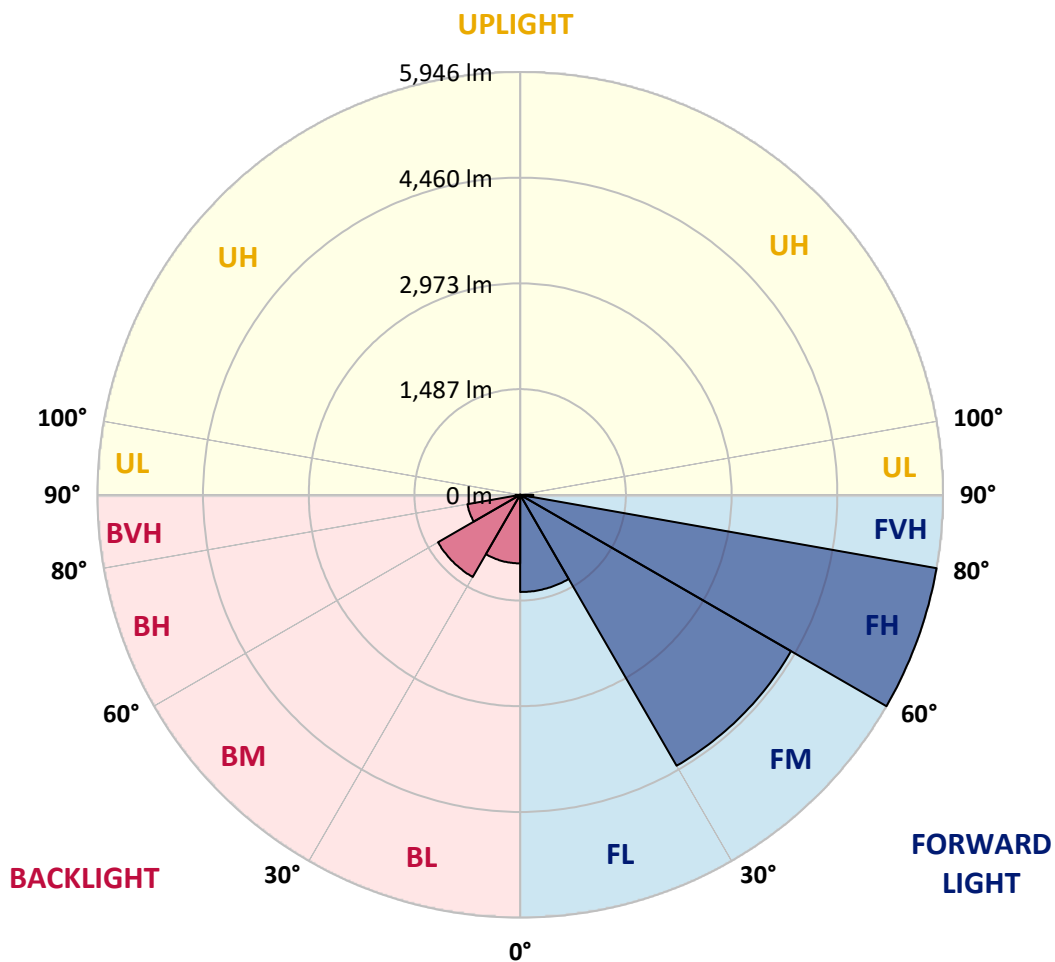
CATALOG NUMBER: VXS-F06-LED-E1-SL4-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1367.2	9.1			
FM	(30°-60°)	4398.6	29.3			
FH	(60°-80°)	5946.2	39.6			G3/7500
FVH	(80°-90°)	185.4	1.2			G2/225
BL	(0°-30°)	964.4	6.4	B2/1000		
BM	(30°-60°)	1334.4	8.9	B2/2500		
BH	(60°-80°)	753.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	64.5	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°	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6
2.5°	3252.7	3261.2	3251.1	3249.4	3249.4	3247.7	3237.5	3235.9	3222.3	3223.9	3227.4
5°	3276.5	3279.9	3273.1	3271.4	3268.0	3261.2	3252.7	3242.6	3232.4	3222.3	3213.8
7.5°	3300.2	3296.8	3291.7	3291.7	3286.6	3276.5	3259.6	3246.0	3223.9	3212.1	3196.9
10°	3334.1	3329.0	3322.3	3318.9	3310.4	3295.1	3271.4	3252.7	3225.7	3202.0	3176.6
12.5°	3366.3	3364.6	3354.4	3349.3	3335.8	3320.5	3291.7	3262.9	3227.4	3190.1	3156.2
15°	3423.8	3417.1	3406.9	3396.8	3374.7	3354.4	3310.4	3276.5	3225.7	3176.6	3124.0
17.5°	3523.8	3512.0	3501.8	3479.8	3452.6	3417.1	3352.7	3295.1	3225.7	3154.5	3095.2
20°	3706.8	3681.3	3667.9	3639.1	3591.6	3527.3	3427.3	3334.1	3230.8	3139.3	3059.6
22.5°	3913.5	3896.6	3877.9	3859.3	3784.8	3691.6	3556.1	3417.1	3261.2	3132.4	3030.9
25°	4145.6	4123.5	4113.4	4081.2	4011.7	3905.0	3720.3	3527.3	3330.7	3159.6	3030.9
27.5°	4352.2	4345.5	4343.8	4306.5	4240.4	4115.1	3896.6	3664.5	3425.6	3215.5	3056.3
30°	4540.3	4533.6	4530.2	4509.8	4433.6	4284.6	4047.4	3786.4	3528.9	3293.5	3103.7
32.5°	4740.2	4718.2	4708.1	4669.1	4582.7	4408.2	4137.1	3866.0	3610.3	3369.6	3156.2
35°	4902.9	4884.2	4863.9	4808.0	4686.0	4479.4	4176.1	3893.2	3642.4	3412.0	3183.3
37.5°	5021.5	5002.8	4974.0	4902.9	4752.1	4503.0	4174.4	3884.7	3630.6	3405.3	3188.4
40°	5074.0	5055.3	5024.9	4935.0	4763.9	4489.5	4142.2	3845.7	3595.0	3369.6	3168.1
42.5°	5053.7	5040.1	5001.1	4914.7	4726.6	4428.5	4077.8	3772.8	3527.3	3312.0	3122.3
45°	4975.8	4965.6	4928.3	4836.8	4642.0	4330.3	3982.9	3681.3	3445.9	3240.9	3061.3
47.5°	4858.9	4855.4	4818.1	4728.4	4535.2	4232.0	3884.7	3591.6	3364.6	3171.5	3010.5
50°	4730.1	4713.2	4694.5	4611.5	4435.3	4147.3	3813.6	3535.6	3318.9	3146.0	2988.5
52.5°	4648.7	4643.6	4626.7	4552.2	4382.8	4098.1	3781.3	3515.3	3315.4	3140.9	2976.6
55°	5370.5	5382.3	5226.4	4902.9	4618.2	4233.7	3877.9	3618.8	3398.4	3222.3	3102.0
57.5°	7943.8	7891.4	7623.7	6981.6	6256.5	5299.3	4609.7	4191.3	3918.5	3949.0	4010.1
60°	9255.1	9245.0	9195.9	8946.8	8463.9	7735.5	6927.4	6000.7	5705.9	5738.1	5761.8
62.5°	9841.3	9856.6	9893.9	9800.6	9673.6	9461.9	9058.7	8685.9	8291.2	8143.8	7749.0
65°	10112.4	10139.5	10224.2	10276.7	10325.8	10363.1	10522.4	10959.5	11247.5	10708.7	9455.0
67.5°	9551.6	9682.1	9961.7	10234.4	10478.3	10825.6	11364.4	12379.2	13085.6	12423.2	10605.4
70°	6963.0	7140.8	7461.0	8304.8	9206.0	9993.8	11037.4	12582.5	13648.1	13136.5	10890.1
72.5°	4365.8	4414.9	4557.3	4867.3	5536.5	6547.9	8372.5	10690.1	11920.0	11511.7	9204.4
75°	2769.9	2786.8	2781.8	2853.0	2966.4	3186.7	3908.4	6314.1	8165.8	7528.8	5129.8
77.5°	1650.1	1675.5	1685.7	1707.7	1762.0	1839.9	1899.2	2148.2	3423.8	3323.9	1861.9
80°	1382.4	1402.8	1385.8	1380.7	1346.8	1323.1	1351.9	1323.1	1228.3	1182.5	1089.3
82.5°	731.9	730.2	725.1	774.2	874.2	952.1	1011.4	997.8	903.0	769.1	652.2
85°	401.6	415.0	415.0	432.0	416.8	418.4	432.0	455.8	421.9	352.4	288.0
87.5°	33.9	52.5	42.4	52.5	71.2	50.8	49.1	49.1	42.4	30.5	27.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6
2.5°	3218.9	3215.5	3208.7	3203.6	3203.6	3195.1	3190.1	3186.7	3185.0	3178.2	3178.2
5°	3208.7	3196.9	3185.0	3176.6	3171.5	3163.0	3149.4	3142.7	3134.2	3127.4	3124.0
7.5°	3186.7	3164.7	3146.0	3132.4	3115.5	3102.0	3085.1	3069.8	3054.5	3047.8	3044.4
10°	3152.8	3124.0	3095.2	3069.8	3046.1	3022.4	3000.3	2978.3	2959.7	2946.1	2932.5
12.5°	3120.6	3076.6	3039.3	3002.1	2964.8	2936.0	2905.5	2873.3	2846.2	2820.7	2814.0
15°	3076.6	3025.8	2978.3	2932.5	2886.8	2839.4	2802.2	2766.5	2722.5	2693.7	2671.7
17.5°	3036.0	2974.9	2917.3	2863.1	2807.3	2758.0	2702.2	2654.7	2610.7	2566.6	2534.4
20°	2991.9	2925.8	2864.8	2803.8	2742.8	2680.1	2615.8	2554.8	2500.5	2448.1	2395.5
22.5°	2953.0	2885.2	2825.8	2759.8	2692.0	2620.8	2546.3	2470.1	2407.4	2339.6	2278.7
25°	2929.2	2854.6	2793.7	2729.3	2654.7	2576.8	2492.1	2402.3	2326.1	2248.2	2175.3
27.5°	2929.2	2832.6	2769.9	2705.6	2629.3	2546.3	2453.2	2354.8	2268.5	2182.1	2092.2
30°	2954.6	2836.0	2751.3	2683.5	2605.6	2515.9	2412.4	2309.1	2214.3	2112.6	2026.2
32.5°	2978.3	2842.8	2737.7	2651.3	2561.6	2473.5	2368.4	2258.3	2153.3	2056.7	1965.2
35°	2993.6	2842.8	2712.3	2602.2	2500.5	2414.2	2310.8	2200.7	2094.0	1999.1	1914.4
37.5°	2995.2	2829.2	2671.7	2546.3	2439.6	2349.7	2251.5	2148.2	2046.5	1958.4	1887.3
40°	2978.3	2802.2	2631.0	2487.0	2375.2	2283.7	2193.9	2100.7	2009.2	1936.4	1875.4
42.5°	2947.8	2773.4	2592.0	2439.6	2322.7	2227.8	2144.8	2065.2	1985.6	1922.9	1872.0
45°	2902.1	2734.4	2556.5	2410.8	2295.5	2195.6	2114.3	2048.2	1980.4	1928.0	1877.1
47.5°	2861.5	2720.8	2568.3	2429.4	2309.1	2205.8	2122.8	2066.8	2014.3	1978.8	1909.3
50°	2853.0	2714.0	2573.4	2444.7	2322.7	2217.6	2144.8	2116.0	2100.7	2078.8	1972.0
52.5°	2829.2	2712.3	2610.7	2539.5	2461.6	2412.4	2336.3	2363.3	2346.4	2268.5	2075.3
55°	3078.2	3112.1	3207.0	3342.6	3468.0	3496.7	3488.3	3456.1	3285.0	2825.8	2324.4
57.5°	4232.0	4423.4	4603.0	4682.6	4672.4	4582.7	4518.3	4387.9	4140.5	3581.5	2815.6
60°	5834.6	5865.2	5770.3	5629.6	5392.4	5194.3	4982.5	4738.5	4379.4	3832.1	3117.2
62.5°	7310.3	6900.3	6478.4	6082.0	5721.1	5406.0	5111.3	4770.8	4303.1	3732.2	3078.2
65°	8352.1	7484.8	6819.0	6249.7	5739.8	5299.3	4931.7	4489.5	3962.6	3447.6	2853.0
67.5°	8889.2	7559.3	6537.7	5744.9	5021.5	4411.6	3922.0	3491.6	3100.3	2875.0	2497.2
70°	8289.5	6415.8	4992.6	4096.5	3230.8	2590.4	2046.5	1717.8	1604.4	1817.8	1890.7
72.5°	6176.9	4176.1	2969.8	2297.3	1760.2	1402.8	1075.8	845.4	687.9	721.7	936.9
75°	2920.7	1802.6	1274.0	969.0	770.9	638.7	521.8	477.7	399.8	332.0	311.7
77.5°	1136.8	828.4	684.5	501.5	355.8	286.3	243.9	235.4	240.5	233.8	230.4
80°	865.7	586.2	367.7	269.3	232.1	205.0	181.2	174.5	177.9	186.3	194.8
82.5°	482.8	301.6	223.6	194.8	174.5	149.1	135.5	125.4	127.0	137.2	155.9
85°	186.3	145.7	133.9	128.7	120.3	96.6	83.0	84.7	96.6	115.2	115.2
87.5°	20.3	20.3	27.2	20.3	20.3	20.3	18.7	22.1	23.7	30.5	35.5
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°	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6
2.5°	3174.8	3174.8	3174.8	3171.5	3173.2	3166.3	3166.3	3161.2	3169.7	3164.7	3163.0
5°	3125.7	3124.0	3117.2	3117.2	3117.2	3117.2	3122.3	3108.8	3119.0	3119.0	3113.9
7.5°	3042.7	3042.7	3024.0	3034.2	3030.9	3036.0	3042.7	3036.0	3046.1	3052.8	3047.8
10°	2927.5	2927.5	2912.2	2924.1	2919.1	2930.9	2942.7	2936.0	2942.7	2953.0	2956.3
12.5°	2800.4	2793.7	2780.1	2785.2	2785.2	2791.9	2797.0	2805.5	2814.0	2827.6	2834.3
15°	2653.1	2642.9	2625.9	2625.9	2615.8	2619.2	2629.3	2632.7	2649.6	2668.3	2690.4
17.5°	2502.3	2476.9	2458.2	2436.2	2419.3	2432.8	2444.7	2453.2	2466.7	2495.4	2510.8
20°	2360.0	2309.1	2273.6	2244.8	2226.1	2234.6	2249.8	2260.0	2271.8	2278.7	2283.7
22.5°	2219.4	2161.8	2112.6	2077.0	2046.5	2055.0	2048.2	2043.1	2051.6	2029.6	2027.9
25°	2097.4	2029.6	1963.5	1921.1	1883.9	1872.0	1836.5	1828.0	1804.2	1785.6	1772.1
27.5°	2009.2	1921.1	1848.3	1799.2	1739.9	1695.9	1650.1	1604.4	1579.0	1548.5	1533.2
30°	1939.8	1846.6	1760.2	1677.2	1599.3	1531.5	1470.6	1411.2	1370.6	1326.5	1297.7
32.5°	1875.4	1789.0	1683.9	1570.5	1465.5	1389.2	1309.5	1241.8	1177.4	1119.8	1077.5
35°	1831.4	1734.8	1600.9	1462.1	1343.4	1253.7	1169.0	1072.4	994.5	919.9	874.2
37.5°	1807.7	1689.1	1524.8	1370.6	1238.4	1136.8	1031.7	919.9	825.1	755.5	686.1
40°	1789.0	1643.3	1457.0	1289.2	1150.4	1028.4	906.3	774.2	669.2	596.4	542.2
42.5°	1768.7	1592.5	1397.7	1224.9	1070.7	928.4	781.0	640.4	540.4	489.6	465.9
45°	1746.6	1548.5	1341.8	1163.8	992.7	820.0	650.6	520.1	460.8	443.8	443.8
47.5°	1741.6	1519.7	1301.1	1104.6	904.7	694.6	530.3	448.9	432.0	435.4	442.2
50°	1762.0	1511.2	1265.5	1035.1	787.8	562.5	448.9	421.9	425.2	435.4	445.6
52.5°	1811.1	1517.9	1228.3	938.5	648.8	464.2	415.0	413.4	423.5	438.8	448.9
55°	1894.1	1517.9	1157.1	794.5	518.4	416.8	403.2	409.9	423.5	437.1	445.6
57.5°	2071.9	1502.7	1031.7	635.3	433.7	399.8	399.8	408.3	420.1	433.7	440.5
60°	2283.7	1482.4	855.5	491.3	391.4	386.2	398.1	408.3	418.4	430.4	437.1
62.5°	2297.3	1429.8	677.6	406.6	369.3	377.8	396.5	409.9	413.4	421.9	430.4
65°	2110.9	1246.9	538.8	364.2	359.2	372.7	391.4	401.6	403.2	406.6	415.0
67.5°	1848.3	1016.5	435.4	343.9	349.0	364.2	374.4	382.9	388.0	396.5	398.1
70°	1517.9	816.6	372.7	323.6	328.7	345.6	354.1	362.6	372.7	382.9	377.8
72.5°	1075.8	635.3	326.9	301.6	308.3	323.6	333.8	340.5	349.0	359.2	352.4
75°	457.4	443.8	282.9	272.7	282.9	293.1	303.2	313.4	321.9	326.9	326.9
77.5°	233.8	260.9	243.9	243.9	250.8	260.9	269.3	279.6	284.7	289.7	296.5
80°	198.2	201.6	205.0	211.8	218.5	228.7	237.2	245.7	247.4	249.0	252.4
82.5°	164.4	171.1	174.5	184.7	189.7	193.2	198.2	198.2	201.6	201.6	196.5
85°	118.5	127.0	132.1	133.9	132.1	133.9	135.5	139.0	147.4	147.4	140.6
87.5°	33.9	32.2	40.6	42.4	45.7	52.5	59.3	71.2	74.5	77.9	77.9
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):

	165°	170°	175°	180°
0°	3203.6	3203.6	3203.6	3203.6
2.5°	3161.2	3164.7	3157.9	3159.6
5°	3113.9	3120.6	3112.1	3122.3
7.5°	3052.8	3063.0	3061.3	3059.6
10°	2964.8	2978.3	2978.3	2983.4
12.5°	2853.0	2861.5	2868.2	2871.6
15°	2702.2	2717.4	2725.9	2725.9
17.5°	2520.9	2531.1	2536.2	2529.3
20°	2290.5	2287.2	2288.8	2271.8
22.5°	2024.6	2029.6	2014.3	2017.7
25°	1763.6	1755.1	1762.0	1751.7
27.5°	1511.2	1512.8	1494.2	1502.7
30°	1270.6	1262.2	1238.4	1250.3
32.5°	1038.5	1016.5	991.1	975.9
35°	820.0	786.1	774.2	769.1
37.5°	643.7	606.5	594.6	581.1
40°	511.6	498.0	493.0	496.4
42.5°	459.1	459.1	462.5	464.2
45°	445.6	450.7	455.8	457.4
47.5°	447.3	452.3	459.1	460.8
50°	450.7	455.8	460.8	462.5
52.5°	452.3	452.3	455.8	457.4
55°	448.9	447.3	448.9	450.7
57.5°	442.2	438.8	440.5	445.6
60°	438.8	433.7	437.1	440.5
62.5°	430.4	428.6	432.0	433.7
65°	411.7	413.4	418.4	418.4
67.5°	394.7	396.5	398.1	399.8
70°	374.4	376.1	379.5	381.1
72.5°	350.7	357.5	362.6	369.3
75°	332.0	338.9	349.0	355.8
77.5°	299.9	305.0	316.8	325.3
80°	254.1	252.4	254.1	259.2
82.5°	194.8	194.8	193.2	191.4
85°	137.2	135.5	130.5	130.5
87.5°	74.5	72.8	71.2	67.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)