

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: P152195

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152195
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
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14632.2 lumens
Efficiency: N/A
Efficacy: 93.5 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

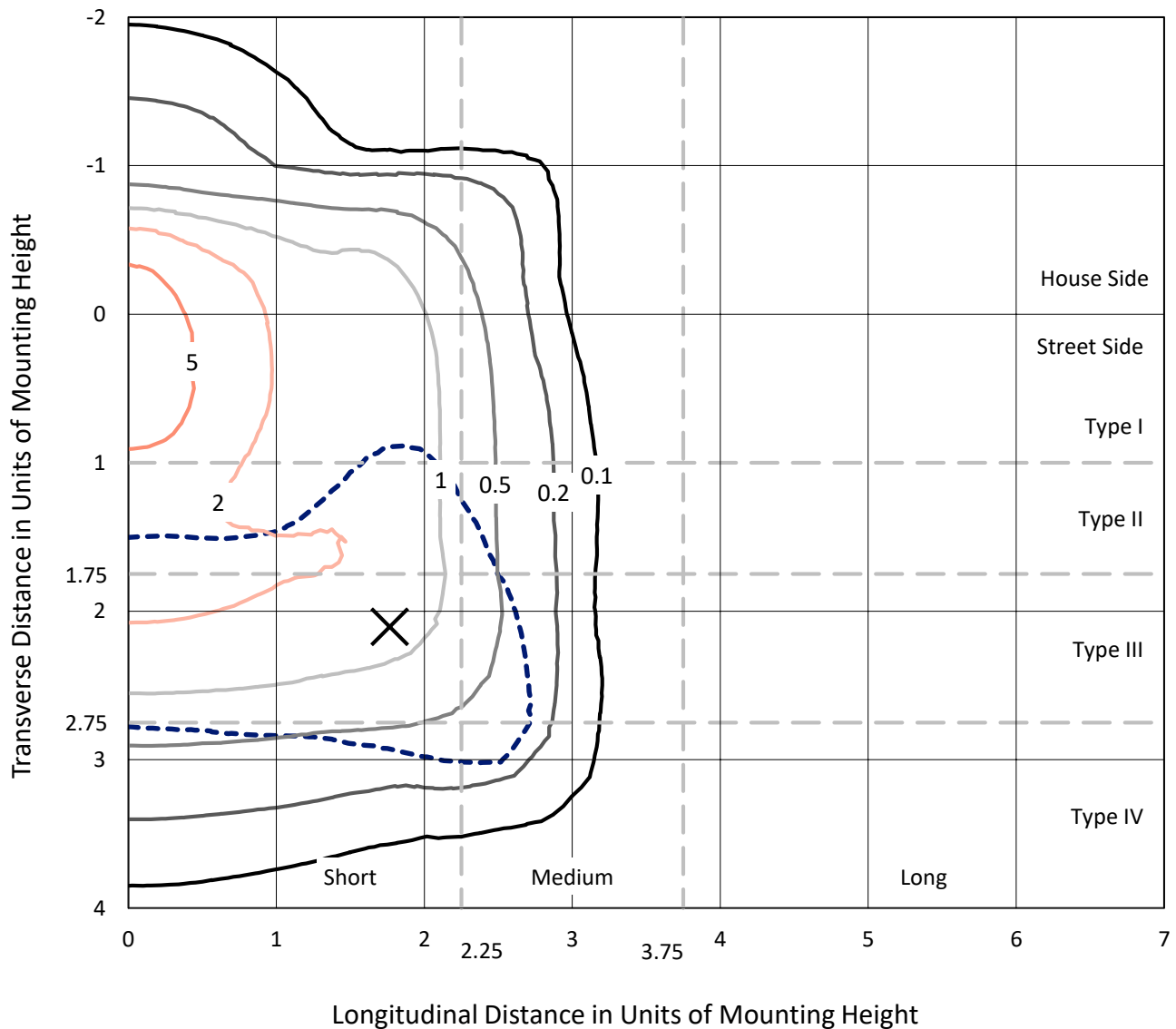


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

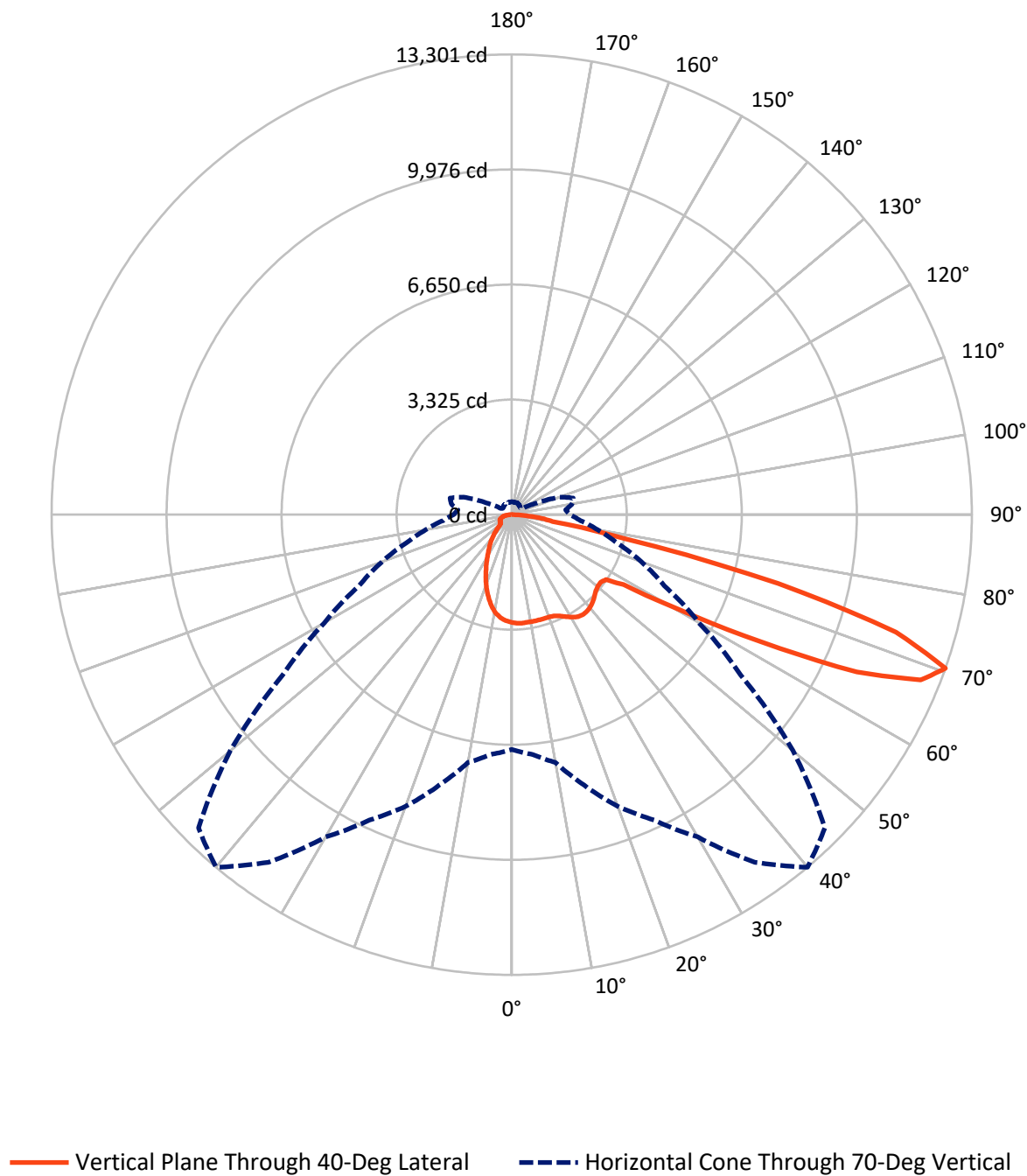


Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3037.5	0.0	3037.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	11594.7	0.0	11594.7
	% Fixture	79.2	0.0	79.2
Total	Lumens	14632.2	0.0	14632.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.7	2.0
10°-20°	798.5	5.5
20°-30°	1182.0	8.1
30°-40°	1493.8	10.2
40°-50°	1689.4	11.5
50°-60°	2404.0	16.4
60°-70°	4477.3	30.6
70°-80°	2052.0	14.0
80°-90°	243.6	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°	14632.2	100.0
0°-180°	14632.2	100.0

Coefficient of Utilization



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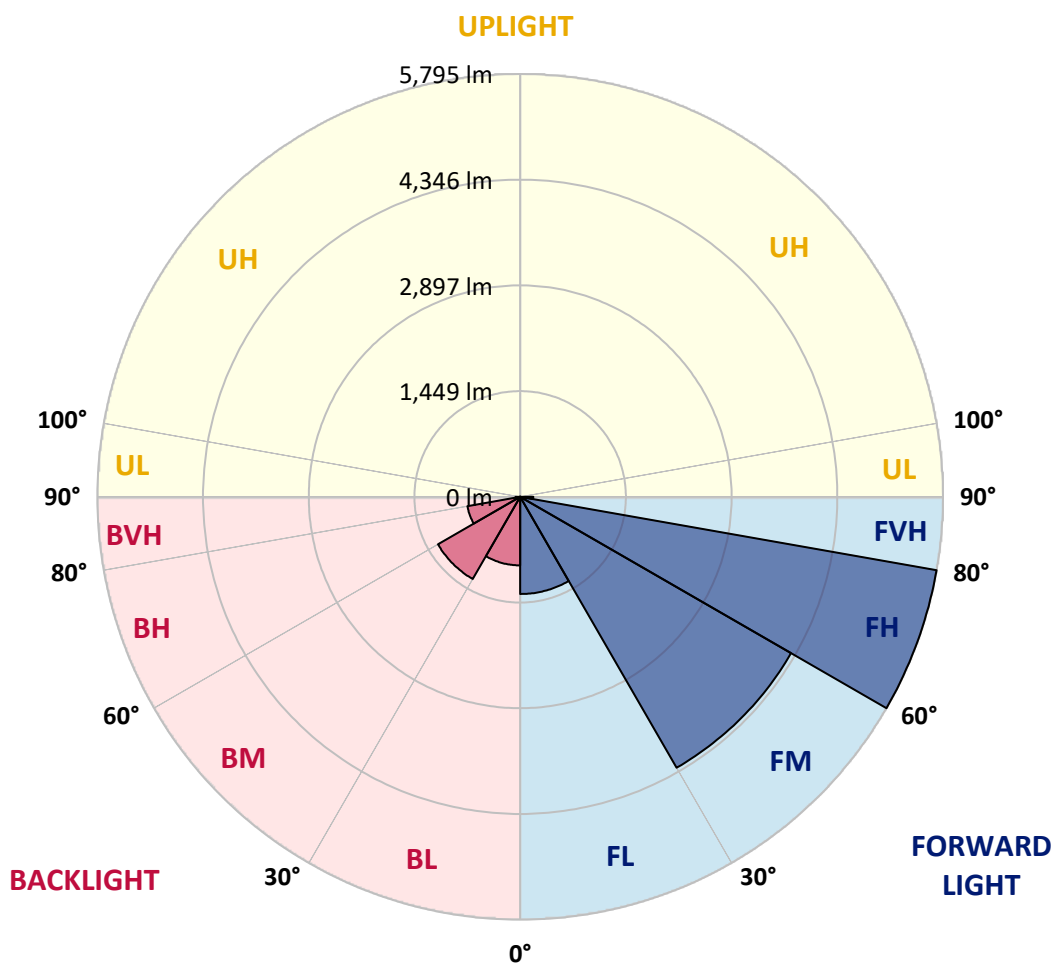
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1332.4	9.1			
FM	(30°-60°)	4286.7	29.3			
FH	(60°-80°)	5794.9	39.6			G3/7500
FVH	(80°-90°)	180.7	1.2			G2/225
BL	(0°-30°)	939.8	6.4	B2/1000		
BM	(30°-60°)	1300.5	8.9	B2/2500		
BH	(60°-80°)	734.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	62.9	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°	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2
2.5°	3170.1	3178.2	3168.4	3166.7	3166.7	3165.1	3155.1	3153.5	3140.3	3142.0	3145.3
5°	3193.2	3196.5	3189.8	3188.2	3184.9	3178.2	3170.1	3160.1	3150.2	3140.3	3132.0
7.5°	3216.3	3213.0	3208.0	3208.0	3203.0	3193.2	3176.6	3163.4	3142.0	3130.4	3115.5
10°	3249.2	3244.4	3237.7	3234.4	3226.1	3211.3	3188.2	3170.1	3143.6	3120.5	3095.8
12.5°	3280.6	3279.0	3269.1	3264.1	3250.9	3236.1	3208.0	3179.9	3145.3	3108.9	3075.9
15°	3336.8	3330.2	3320.3	3310.4	3288.9	3269.1	3226.1	3193.2	3143.6	3095.8	3044.6
17.5°	3434.2	3422.6	3412.7	3391.3	3364.9	3330.2	3267.5	3211.3	3143.6	3074.3	3016.5
20°	3612.5	3587.8	3574.5	3546.4	3500.2	3437.5	3340.1	3249.2	3148.6	3059.4	2981.8
22.5°	3813.9	3797.4	3779.3	3761.1	3688.4	3597.6	3465.6	3330.2	3178.2	3052.7	2953.7
25°	4040.1	4018.7	4008.7	3977.4	3909.6	3805.7	3625.7	3437.5	3246.0	3079.2	2953.7
27.5°	4241.6	4234.9	4233.3	4197.0	4132.5	4010.4	3797.4	3571.2	3338.4	3133.7	2978.4
30°	4424.8	4418.2	4414.9	4395.1	4320.8	4175.5	3944.4	3690.1	3439.2	3209.6	3024.8
32.5°	4619.7	4598.1	4588.3	4550.3	4466.1	4296.1	4031.8	3767.7	3518.3	3283.9	3075.9
35°	4778.1	4760.0	4740.2	4685.7	4566.8	4365.4	4069.8	3794.1	3549.7	3325.2	3102.3
37.5°	4893.7	4875.5	4847.5	4778.1	4631.2	4388.5	4068.2	3785.9	3538.2	3318.7	3107.3
40°	4944.9	4926.7	4897.0	4809.5	4642.8	4375.2	4036.8	3747.9	3503.5	3283.9	3087.5
42.5°	4925.1	4911.9	4873.9	4789.7	4606.4	4315.9	3974.1	3676.9	3437.5	3227.8	3042.9
45°	4849.1	4839.3	4802.9	4713.8	4523.8	4220.1	3881.7	3587.8	3358.2	3158.4	2983.4
47.5°	4735.2	4731.9	4695.5	4608.1	4419.9	4124.4	3785.9	3500.2	3279.0	3090.8	2933.9
50°	4609.7	4593.3	4575.0	4494.2	4322.5	4041.8	3716.5	3445.7	3234.4	3066.0	2912.4
52.5°	4530.5	4525.5	4509.0	4436.4	4271.3	3993.9	3685.2	3425.9	3231.1	3061.0	2900.9
55°	5233.8	5245.4	5093.5	4778.1	4500.7	4126.0	3779.3	3526.6	3312.0	3140.3	3023.1
57.5°	7741.8	7690.6	7429.7	6803.9	6097.3	5164.5	4492.5	4084.7	3818.9	3848.6	3908.1
60°	9019.7	9009.7	8961.9	8719.2	8248.6	7538.7	6751.2	5848.0	5560.7	5592.1	5615.2
62.5°	9591.0	9605.8	9642.2	9551.3	9427.5	9221.1	8828.2	8465.0	8080.2	7936.6	7551.9
65°	9855.1	9881.6	9964.0	10015.2	10063.1	10099.5	10254.7	10680.6	10961.3	10436.3	9214.5
67.5°	9308.6	9435.8	9708.2	9974.0	10211.7	10550.3	11075.2	12064.2	12752.7	12107.2	10335.5
70°	6785.8	6959.2	7271.2	8093.5	8971.8	9739.6	10756.6	12262.4	13300.8	12802.3	10613.0
72.5°	4254.7	4302.6	4441.3	4743.4	5395.6	6381.3	8159.5	10418.1	11616.8	11218.9	8970.2
75°	2699.5	2716.0	2711.0	2780.4	2891.0	3105.6	3809.0	6153.5	7958.0	7337.3	4999.4
77.5°	1608.1	1632.8	1642.8	1664.2	1717.1	1793.1	1850.8	2093.6	3336.8	3239.4	1814.5
80°	1347.3	1367.0	1350.6	1345.6	1312.5	1289.4	1317.5	1289.4	1197.0	1152.4	1061.7
82.5°	713.3	711.6	706.6	754.5	851.9	927.9	985.7	972.4	880.0	749.5	635.6
85°	391.3	404.5	404.5	421.0	406.1	407.8	421.0	444.1	411.1	343.4	280.7
87.5°	33.1	51.2	41.2	51.2	69.3	49.5	47.9	47.9	41.2	29.7	26.4
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°	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2
2.5°	3137.0	3133.7	3127.0	3122.2	3122.2	3113.9	3108.9	3105.6	3103.9	3097.4	3097.4
5°	3127.0	3115.5	3103.9	3095.8	3090.8	3082.5	3069.3	3062.7	3054.4	3047.9	3044.6
7.5°	3105.6	3084.1	3066.0	3052.7	3036.3	3023.1	3006.5	2991.7	2976.9	2970.3	2966.9
10°	3072.6	3044.6	3016.5	2991.7	2968.6	2945.5	2924.0	2902.6	2884.4	2871.2	2857.9
12.5°	3041.2	2998.3	2962.0	2925.7	2889.3	2861.2	2831.5	2800.2	2773.8	2749.0	2742.4
15°	2998.3	2948.8	2902.6	2857.9	2813.4	2767.2	2730.9	2696.2	2653.3	2625.2	2603.7
17.5°	2958.7	2899.3	2843.1	2790.3	2735.8	2687.9	2633.5	2587.2	2544.2	2501.3	2469.9
20°	2915.8	2851.4	2791.9	2732.5	2673.1	2611.9	2549.2	2489.7	2437.0	2385.8	2334.6
22.5°	2877.8	2811.7	2754.0	2689.5	2623.5	2554.2	2481.6	2407.3	2346.1	2280.1	2220.6
25°	2854.7	2782.0	2722.6	2659.8	2587.2	2511.3	2428.7	2341.1	2266.9	2191.0	2119.9
27.5°	2854.7	2760.5	2699.5	2636.7	2562.4	2481.6	2390.7	2294.9	2210.8	2126.5	2039.1
30°	2879.5	2763.8	2681.3	2615.2	2539.3	2451.8	2351.1	2250.4	2157.9	2058.9	1974.6
32.5°	2902.6	2770.5	2668.1	2583.9	2496.4	2410.6	2308.2	2200.8	2098.4	2004.4	1915.2
35°	2917.4	2770.5	2643.3	2536.1	2437.0	2352.7	2252.0	2144.7	2040.7	1948.3	1865.7
37.5°	2919.1	2757.2	2603.7	2481.6	2377.5	2290.1	2194.2	2093.6	1994.5	1908.6	1839.3
40°	2902.6	2730.9	2564.0	2423.7	2314.8	2225.6	2138.1	2047.3	1958.1	1887.2	1827.7
42.5°	2872.8	2702.8	2526.1	2377.5	2263.6	2171.1	2090.3	2012.6	1935.0	1874.0	1824.5
45°	2828.3	2664.8	2491.4	2349.4	2237.2	2139.8	2060.5	1996.2	1930.1	1878.9	1829.3
47.5°	2788.6	2651.6	2503.0	2367.6	2250.4	2149.6	2068.8	2014.3	1963.1	1928.4	1860.7
50°	2780.4	2645.0	2508.0	2382.5	2263.6	2161.2	2090.3	2062.2	2047.3	2025.8	1921.9
52.5°	2757.2	2643.3	2544.2	2474.9	2399.0	2351.1	2276.8	2303.2	2286.7	2210.8	2022.5
55°	3000.0	3033.0	3125.4	3257.5	3379.7	3407.8	3399.5	3368.2	3201.3	2754.0	2265.3
57.5°	4124.4	4310.9	4485.9	4563.5	4553.6	4466.1	4403.3	4276.3	4035.1	3490.4	2744.0
60°	5686.2	5716.0	5623.5	5486.4	5255.3	5062.1	4855.8	4618.0	4268.0	3734.7	3037.9
62.5°	7124.2	6724.8	6313.6	5927.3	5575.5	5268.5	4981.2	4649.3	4193.7	3637.3	3000.0
65°	8139.7	7294.3	6645.5	6090.7	5593.8	5164.5	4806.2	4375.2	3861.8	3359.9	2780.4
67.5°	8663.1	7366.9	6371.4	5598.8	4893.7	4299.4	3822.2	3402.8	3021.5	2801.9	2433.7
70°	8078.5	6252.5	4865.6	3992.2	3148.6	2524.5	1994.5	1674.2	1563.5	1771.6	1842.6
72.5°	6019.7	4069.8	2894.3	2238.9	1715.4	1367.0	1048.4	823.8	670.4	703.3	913.1
75°	2846.4	1756.7	1241.6	944.4	751.2	622.5	508.5	465.6	389.6	323.6	303.8
77.5°	1107.9	807.4	667.0	488.7	346.7	279.1	237.7	229.5	234.4	227.9	224.6
80°	843.7	571.3	358.2	262.5	226.2	199.8	176.7	170.1	173.4	181.7	189.8
82.5°	470.6	293.9	217.9	189.8	170.1	145.3	132.1	122.2	123.8	133.8	151.9
85°	181.7	142.0	130.5	125.5	117.2	94.1	80.9	82.6	94.1	112.2	112.2
87.5°	19.8	19.8	26.4	19.8	19.8	19.8	18.1	21.5	23.1	29.7	34.7
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°	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2	3122.2
2.5°	3094.1	3094.1	3094.1	3090.8	3092.4	3085.8	3085.8	3080.8	3089.1	3084.1	3082.5
5°	3046.2	3044.6	3037.9	3037.9	3037.9	3037.9	3042.9	3029.6	3039.6	3039.6	3034.6
7.5°	2965.3	2965.3	2947.2	2957.0	2953.7	2958.7	2965.3	2958.7	2968.6	2975.2	2970.3
10°	2853.1	2853.1	2838.1	2849.7	2844.8	2856.3	2867.9	2861.2	2867.9	2877.8	2881.0
12.5°	2729.2	2722.6	2709.3	2714.3	2714.3	2720.9	2725.9	2734.1	2742.4	2755.6	2762.2
15°	2585.6	2575.6	2559.2	2559.2	2549.2	2552.5	2562.4	2565.7	2582.3	2600.4	2621.9
17.5°	2438.5	2413.9	2395.6	2374.2	2357.7	2370.9	2382.5	2390.7	2403.9	2432.0	2446.8
20°	2299.9	2250.4	2215.8	2187.7	2169.4	2177.7	2192.6	2202.5	2214.1	2220.6	2225.6
22.5°	2162.9	2106.7	2058.9	2024.1	1994.5	2002.7	1996.2	1991.2	1999.4	1977.9	1976.3
25°	2044.0	1977.9	1913.6	1872.3	1836.0	1824.5	1789.7	1781.5	1758.3	1740.2	1727.0
27.5°	1958.1	1872.3	1801.3	1753.4	1695.6	1652.7	1608.1	1563.5	1538.8	1509.0	1494.2
30°	1890.5	1799.7	1715.4	1634.5	1558.5	1492.5	1433.2	1375.3	1335.6	1292.7	1264.7
32.5°	1827.7	1743.5	1641.1	1530.6	1428.2	1353.9	1276.3	1210.3	1147.5	1091.3	1050.1
35°	1784.8	1690.7	1560.2	1424.9	1309.3	1221.8	1139.3	1045.1	969.1	896.5	851.9
37.5°	1761.7	1646.1	1485.9	1335.6	1206.9	1107.9	1005.5	896.5	804.0	736.4	668.7
40°	1743.5	1601.6	1419.9	1256.5	1121.0	1002.2	883.3	754.5	652.1	581.1	528.3
42.5°	1723.7	1552.0	1362.1	1193.7	1043.4	904.8	761.1	624.1	526.7	477.2	454.0
45°	1702.3	1509.0	1307.7	1134.3	967.6	799.1	634.0	506.8	449.1	432.5	432.5
47.5°	1697.3	1481.0	1268.0	1076.5	881.7	676.9	516.8	437.5	421.0	424.4	430.9
50°	1717.1	1472.7	1233.4	1008.8	767.8	548.2	437.5	411.1	414.4	424.4	434.2
52.5°	1765.0	1479.4	1197.0	914.7	632.3	452.4	404.5	402.9	412.7	427.7	437.5
55°	1845.9	1479.4	1127.7	774.3	505.2	406.1	393.0	399.6	412.7	426.0	434.2
57.5°	2019.3	1464.5	1005.5	619.2	422.7	389.6	389.6	397.9	409.4	422.7	429.2
60°	2225.6	1444.7	833.8	478.8	381.3	376.5	388.0	397.9	407.8	419.4	426.0
62.5°	2238.9	1393.5	660.4	396.3	359.9	368.2	386.3	399.6	402.9	411.1	419.4
65°	2057.2	1215.1	525.1	355.0	350.1	363.2	381.3	391.3	393.0	396.3	404.5
67.5°	1801.3	990.7	424.4	335.1	340.1	355.0	364.9	373.2	378.1	386.3	388.0
70°	1479.4	795.9	363.2	315.3	320.3	336.8	345.1	353.4	363.2	373.2	368.2
72.5°	1048.4	619.2	318.7	293.9	300.5	315.3	325.3	331.8	340.1	350.1	343.4
75°	445.8	432.5	275.8	265.8	275.8	285.6	295.5	305.5	313.7	318.7	318.7
77.5°	227.9	254.3	237.7	237.7	244.4	254.3	262.5	272.4	277.4	282.3	288.9
80°	193.2	196.5	199.8	206.4	213.0	222.9	231.2	239.4	241.0	242.7	246.0
82.5°	160.1	166.7	170.1	180.0	184.9	188.2	193.2	193.2	196.5	196.5	191.5
85°	115.5	123.8	128.8	130.5	128.8	130.5	132.1	135.3	143.6	143.6	137.0
87.5°	33.1	31.4	39.6	41.2	44.6	51.2	57.8	69.3	72.6	76.0	76.0
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°	3122.2	3122.2	3122.2	3122.2
2.5°	3080.8	3084.1	3077.5	3079.2
5°	3034.6	3041.2	3033.0	3042.9
7.5°	2975.2	2985.1	2983.4	2981.8
10°	2889.3	2902.6	2902.6	2907.5
12.5°	2780.4	2788.6	2795.2	2798.5
15°	2633.5	2648.3	2656.6	2656.6
17.5°	2456.8	2466.6	2471.6	2465.0
20°	2232.2	2228.9	2230.6	2214.1
22.5°	1973.0	1977.9	1963.1	1966.4
25°	1718.8	1710.5	1717.1	1707.2
27.5°	1472.7	1474.4	1456.3	1464.5
30°	1238.2	1230.1	1206.9	1218.4
32.5°	1012.1	990.7	965.9	951.0
35°	799.1	766.1	754.5	749.5
37.5°	627.4	591.1	579.5	566.3
40°	498.7	485.4	480.4	483.7
42.5°	447.5	447.5	450.8	452.4
45°	434.2	439.2	444.1	445.8
47.5°	435.9	440.8	447.5	449.1
50°	439.2	444.1	449.1	450.8
52.5°	440.8	440.8	444.1	445.8
55°	437.5	435.9	437.5	439.2
57.5°	430.9	427.7	429.2	434.2
60°	427.7	422.7	426.0	429.2
62.5°	419.4	417.7	421.0	422.7
65°	401.2	402.9	407.8	407.8
67.5°	384.7	386.3	388.0	389.6
70°	364.9	366.5	369.8	371.5
72.5°	341.8	348.4	353.4	359.9
75°	323.6	330.3	340.1	346.7
77.5°	292.2	297.2	308.7	317.0
80°	247.7	246.0	247.7	252.6
82.5°	189.8	189.8	188.2	186.5
85°	133.8	132.1	127.2	127.2
87.5°	72.6	71.0	69.3	66.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)