

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: P152191

Luminaire Tested: **VXS-E06-LED-E1-SL4-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152191
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-E06-LED-E1-SL4-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18187.4 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - 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

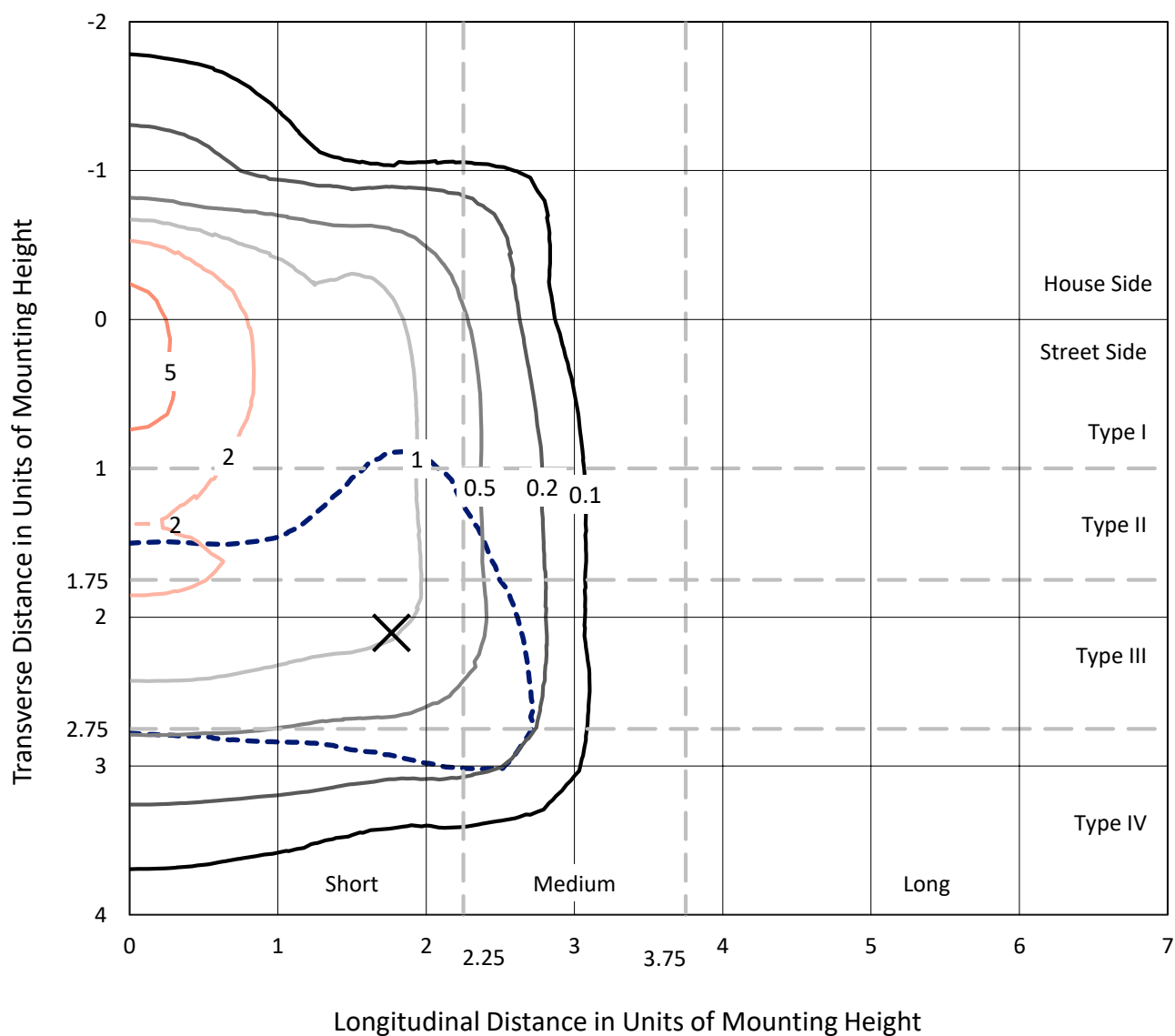


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

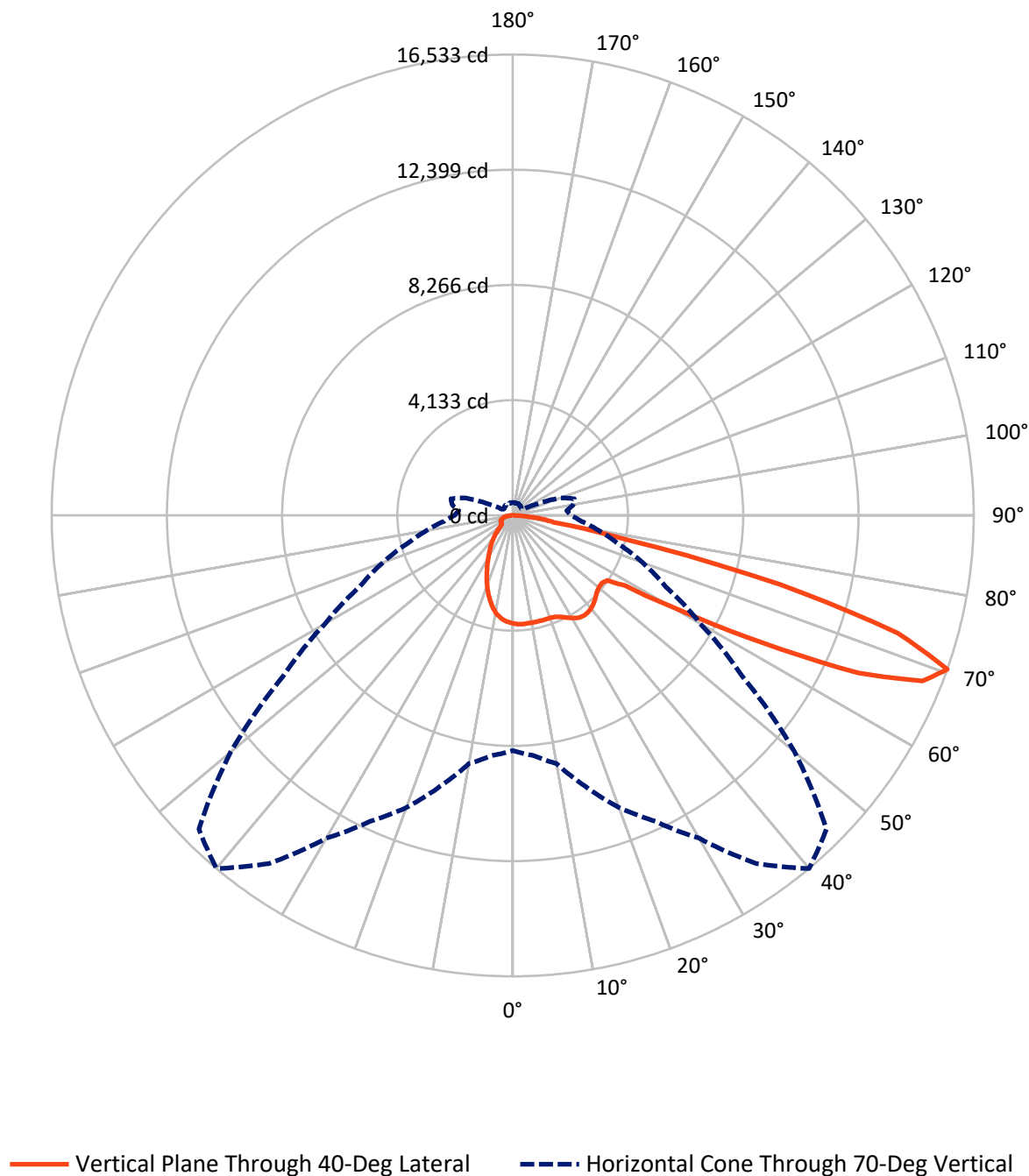


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3775.5	0.0	3775.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	14411.9	0.0	14411.9
	% Fixture	79.2	0.0	79.2
Total	Lumens	18187.4	0.0	18187.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	2.0
10°-20°	992.5	5.5
20°-30°	1469.2	8.1
30°-40°	1856.7	10.2
40°-50°	2099.9	11.5
50°-60°	2988.1	16.4
60°-70°	5565.1	30.6
70°-80°	2550.5	14.0
80°-90°	302.8	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°	18187.4	100.0
0°-180°	18187.4	100.0

Coefficient of Utilization



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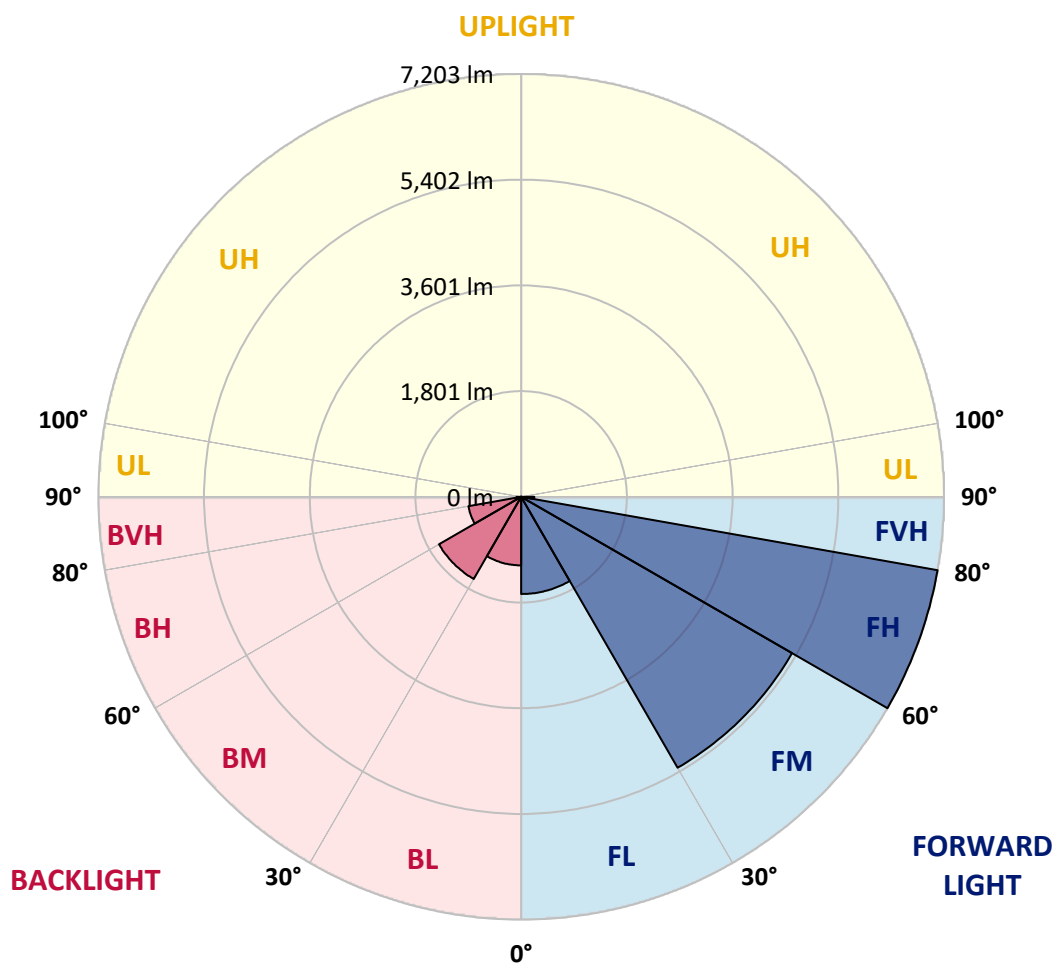
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1656.1	9.1			
FM	(30°-60°)	5328.3	29.3			
FH	(60°-80°)	7202.9	39.6			G3/7500
FVH	(80°-90°)	224.6	1.2			G2/225
BL	(0°-30°)	1168.2	6.4	B3/2500		
BM	(30°-60°)	1616.4	8.9	B2/2500		
BH	(60°-80°)	912.7	5.0	B2/1000		G2/1000
BVH	(80°-90°)	78.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7
2.5°	3940.2	3950.5	3938.2	3936.2	3936.2	3934.1	3921.8	3919.7	3903.3	3905.4	3909.4
5°	3969.0	3973.1	3964.9	3962.8	3958.8	3950.5	3940.2	3928.0	3915.6	3903.3	3893.1
7.5°	3997.7	3993.6	3987.5	3987.5	3981.2	3969.0	3948.5	3932.0	3905.4	3891.0	3872.5
10°	4038.8	4032.6	4024.4	4020.3	4010.1	3991.5	3962.8	3940.2	3907.5	3878.7	3847.9
12.5°	4077.7	4075.6	4063.4	4057.2	4040.8	4022.4	3987.5	3952.5	3909.4	3864.4	3823.3
15°	4147.6	4139.3	4127.0	4114.7	4088.0	4063.4	4010.1	3969.0	3907.5	3847.9	3784.2
17.5°	4268.6	4254.2	4242.0	4215.2	4182.4	4139.3	4061.3	3991.5	3907.5	3821.2	3749.4
20°	4490.3	4459.5	4443.0	4408.2	4350.7	4272.7	4151.6	4038.8	3913.6	3802.8	3706.3
22.5°	4740.6	4720.1	4697.5	4674.9	4584.7	4471.8	4307.6	4139.3	3950.5	3794.5	3671.4
25°	5021.8	4995.1	4982.8	4943.7	4859.6	4730.4	4506.6	4272.7	4034.6	3827.4	3671.4
27.5°	5272.1	5263.9	5261.9	5216.7	5136.7	4984.9	4720.1	4439.0	4149.5	3895.1	3702.2
30°	5499.9	5491.7	5487.6	5463.0	5370.7	5190.1	4902.7	4586.7	4274.7	3989.5	3759.7
32.5°	5742.1	5715.4	5703.1	5655.9	5551.2	5339.9	5011.5	4683.1	4373.3	4081.9	3823.3
35°	5939.1	5916.5	5891.9	5824.1	5676.4	5426.0	5058.7	4716.0	4412.2	4133.2	3856.1
37.5°	6082.8	6060.2	6025.3	5939.1	5756.5	5454.8	5056.7	4705.7	4397.9	4125.0	3862.3
40°	6146.3	6123.8	6086.8	5978.1	5770.8	5438.3	5017.6	4658.5	4354.8	4081.9	3837.6
42.5°	6121.8	6105.3	6058.1	5953.5	5725.7	5364.5	4939.7	4570.3	4272.7	4012.0	3782.2
45°	6027.4	6015.0	5969.8	5859.1	5623.1	5245.5	4824.8	4459.5	4174.2	3925.9	3708.4
47.5°	5885.7	5881.7	5836.5	5727.8	5493.8	5126.4	4705.7	4350.7	4075.6	3841.8	3646.7
50°	5729.7	5709.2	5686.6	5586.1	5372.6	5023.8	4619.5	4283.0	4020.3	3811.0	3620.1
52.5°	5631.3	5625.1	5604.6	5514.3	5309.1	4964.2	4580.5	4258.3	4016.2	3804.8	3605.7
55°	6505.5	6519.9	6331.1	5939.1	5594.3	5128.5	4697.5	4383.5	4116.7	3903.3	3757.6
57.5°	9622.8	9559.2	9234.9	8457.2	7578.9	6419.3	5584.0	5077.2	4746.7	4783.7	4857.6
60°	11211.2	11199.0	11139.4	10837.7	10252.8	9370.4	8391.5	7268.9	6911.8	6950.9	6979.6
62.5°	11921.2	11939.8	11984.9	11872.0	11718.1	11461.6	10973.2	10521.7	10043.5	9865.0	9386.8
65°	12249.6	12282.5	12385.1	12448.7	12508.2	12553.4	12746.3	13275.8	13624.7	12972.0	11453.4
67.5°	11570.4	11728.4	12067.0	12397.4	12693.0	13113.7	13766.2	14995.5	15851.3	15048.9	12846.8
70°	8434.6	8650.1	9037.9	10059.9	11151.7	12106.0	13370.2	15241.8	16532.6	15912.8	13191.6
72.5°	5288.5	5348.1	5520.4	5896.0	6706.6	7931.8	10142.1	12949.4	14439.4	13944.8	11149.6
75°	3355.3	3375.9	3369.7	3456.0	3593.5	3860.2	4734.4	7648.6	9891.6	9120.0	6214.1
77.5°	1998.9	2029.6	2042.0	2068.6	2134.3	2228.7	2300.5	2602.2	4147.6	4026.4	2255.3
80°	1674.6	1699.3	1678.8	1672.5	1631.5	1602.8	1637.6	1602.8	1487.9	1432.4	1319.6
82.5°	886.5	884.5	878.3	937.8	1059.0	1153.4	1225.2	1208.7	1093.8	931.7	790.1
85°	486.4	502.8	502.8	523.3	504.9	506.9	523.3	552.0	511.0	426.8	348.9
87.5°	41.0	63.6	51.3	63.6	86.2	61.6	59.5	59.5	51.3	36.9	32.8
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°	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7
2.5°	3899.2	3895.1	3886.8	3880.7	3880.7	3870.5	3864.4	3860.2	3858.1	3849.9	3849.9
5°	3886.8	3872.5	3858.1	3847.9	3841.8	3831.5	3815.0	3806.8	3796.6	3788.4	3784.2
7.5°	3860.2	3833.6	3811.0	3794.5	3774.0	3757.6	3737.1	3718.7	3700.1	3691.9	3687.8
10°	3819.2	3784.2	3749.4	3718.7	3689.8	3661.1	3634.5	3607.8	3585.2	3568.8	3552.3
12.5°	3780.2	3726.8	3681.7	3636.5	3591.4	3556.5	3519.6	3480.5	3447.7	3416.9	3408.7
15°	3726.8	3665.3	3607.8	3552.3	3497.0	3439.5	3394.4	3351.3	3297.9	3263.0	3236.4
17.5°	3677.5	3603.7	3533.9	3468.2	3400.5	3341.0	3273.3	3215.9	3162.5	3109.1	3070.2
20°	3624.2	3544.1	3470.3	3396.4	3322.5	3246.6	3168.6	3094.7	3029.0	2965.5	2901.9
22.5°	3577.0	3494.9	3423.1	3343.0	3260.9	3174.8	3084.5	2992.1	2916.2	2834.1	2760.2
25°	3548.3	3457.9	3384.1	3306.1	3215.9	3121.5	3018.8	2910.1	2817.7	2723.3	2635.0
27.5°	3548.3	3431.3	3355.3	3277.4	3185.1	3084.5	2971.6	2852.5	2747.9	2643.2	2534.5
30°	3579.1	3435.4	3332.7	3250.7	3156.3	3047.6	2922.4	2797.2	2682.3	2559.1	2454.4
32.5°	3607.8	3443.6	3316.4	3211.7	3102.9	2996.3	2869.0	2735.6	2608.4	2491.4	2380.5
35°	3626.2	3443.6	3285.6	3152.2	3029.0	2924.4	2799.2	2665.8	2536.6	2421.7	2319.0
37.5°	3628.3	3427.2	3236.4	3084.5	2955.2	2846.4	2727.4	2602.2	2479.1	2372.3	2286.1
40°	3607.8	3394.4	3187.0	3012.6	2877.2	2766.4	2657.6	2544.8	2433.9	2345.7	2271.8
42.5°	3570.9	3359.5	3139.9	2955.2	2813.6	2698.7	2598.1	2501.7	2405.2	2329.2	2267.7
45°	3515.4	3312.2	3096.8	2920.3	2780.7	2659.7	2561.1	2481.1	2399.1	2335.4	2273.9
47.5°	3466.2	3295.9	3111.2	2942.9	2797.2	2672.0	2571.4	2503.7	2440.1	2397.0	2312.8
50°	3456.0	3287.7	3117.3	2961.3	2813.6	2686.3	2598.1	2563.2	2544.8	2518.0	2388.8
52.5°	3427.2	3285.6	3162.5	3076.3	2981.9	2922.4	2829.9	2862.8	2842.3	2747.9	2514.0
55°	3728.9	3769.9	3884.9	4049.0	4200.8	4235.8	4225.5	4186.5	3979.3	3423.1	2815.6
57.5°	5126.4	5358.3	5575.9	5672.3	5660.0	5551.2	5473.3	5315.2	5015.6	4338.3	3410.8
60°	7067.8	7104.8	6989.8	6819.5	6532.2	6292.1	6035.5	5740.0	5305.0	4642.1	3776.1
62.5°	8855.3	8358.7	7847.7	7367.5	6930.4	6548.6	6191.5	5779.1	5212.6	4521.0	3728.9
65°	10117.4	9066.6	8260.1	7570.6	6952.8	6419.3	5974.0	5438.3	4800.1	4176.3	3456.0
67.5°	10768.0	9157.0	7919.5	6959.1	6082.8	5343.9	4750.9	4229.6	3755.5	3482.6	3025.0
70°	10041.5	7771.7	6047.9	4962.3	3913.6	3137.8	2479.1	2080.9	1943.4	2202.1	2290.3
72.5°	7482.4	5058.7	3597.5	2782.8	2132.2	1699.3	1303.1	1024.0	833.2	874.2	1134.9
75°	3538.0	2183.5	1543.2	1173.9	933.8	773.7	632.1	578.8	484.4	402.3	377.6
77.5°	1377.0	1003.5	829.1	607.5	431.0	346.8	295.5	285.3	291.4	283.2	279.1
80°	1048.7	710.1	445.3	326.3	281.1	248.3	219.6	211.4	215.4	225.7	236.0
82.5°	584.9	365.3	270.9	236.0	211.4	180.6	164.1	151.8	153.9	166.2	188.8
85°	225.7	176.5	162.2	156.0	145.7	117.0	100.5	102.6	117.0	139.6	139.6
87.5°	24.7	24.7	32.8	24.7	24.7	24.7	22.6	26.6	28.7	36.9	43.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7	3880.7
2.5°	3845.8	3845.8	3845.8	3841.8	3843.8	3835.5	3835.5	3829.4	3839.7	3833.6	3831.5
5°	3786.3	3784.2	3776.1	3776.1	3776.1	3776.1	3782.2	3765.8	3778.1	3778.1	3771.9
7.5°	3685.8	3685.8	3663.2	3675.5	3671.4	3677.5	3685.8	3677.5	3689.8	3698.1	3691.9
10°	3546.2	3546.2	3527.8	3542.1	3536.0	3550.4	3564.7	3556.5	3564.7	3577.0	3581.1
12.5°	3392.3	3384.1	3367.7	3373.9	3373.9	3382.1	3388.2	3398.4	3408.7	3425.2	3433.4
15°	3213.8	3201.5	3180.9	3180.9	3168.6	3172.7	3185.1	3189.1	3209.6	3232.2	3258.9
17.5°	3031.1	3000.3	2977.7	2951.1	2930.6	2946.9	2961.3	2971.6	2988.0	3022.9	3041.3
20°	2858.8	2797.2	2754.1	2719.2	2696.6	2706.8	2725.3	2737.6	2752.0	2760.2	2766.4
22.5°	2688.4	2618.7	2559.1	2516.1	2479.1	2489.3	2481.1	2474.9	2485.2	2458.5	2456.5
25°	2540.6	2458.5	2378.5	2327.3	2282.1	2267.7	2224.6	2214.3	2185.6	2163.0	2146.6
27.5°	2433.9	2327.3	2239.0	2179.5	2107.7	2054.3	1998.9	1943.4	1912.6	1875.8	1857.2
30°	2349.7	2236.9	2132.2	2031.7	1937.3	1855.2	1781.3	1709.5	1660.2	1606.8	1572.0
32.5°	2271.8	2167.2	2039.9	1902.4	1775.1	1682.8	1586.3	1504.2	1426.3	1356.5	1305.2
35°	2218.4	2101.5	1939.4	1771.1	1627.4	1518.7	1416.1	1299.1	1204.7	1114.3	1059.0
37.5°	2189.7	2046.0	1846.9	1660.2	1500.2	1377.0	1249.8	1114.3	999.4	915.3	831.2
40°	2167.2	1990.7	1764.9	1561.8	1393.5	1245.7	1097.9	937.8	810.7	722.4	656.7
42.5°	2142.5	1929.1	1693.1	1483.7	1297.0	1124.7	946.1	775.8	654.6	593.1	564.4
45°	2115.9	1875.8	1625.4	1409.8	1202.6	993.3	788.1	630.1	558.2	537.7	537.7
47.5°	2109.6	1840.8	1576.1	1338.0	1095.9	841.5	642.4	543.8	523.3	527.5	535.6
50°	2134.3	1830.6	1533.0	1253.9	954.3	681.3	543.8	511.0	515.1	527.5	539.7
52.5°	2193.8	1838.8	1487.9	1136.9	786.0	562.3	502.8	500.7	513.1	531.5	543.8
55°	2294.4	1838.8	1401.7	962.5	628.0	504.9	488.4	496.7	513.1	529.4	539.7
57.5°	2509.8	1820.3	1249.8	769.5	525.4	484.4	484.4	494.6	508.9	525.4	533.6
60°	2766.4	1795.6	1036.4	595.1	474.1	467.9	482.3	494.6	506.9	521.2	529.4
62.5°	2782.8	1732.0	820.9	492.5	447.4	457.6	480.2	496.7	500.7	511.0	521.2
65°	2557.1	1510.5	652.6	441.2	435.0	451.5	474.1	486.4	488.4	492.5	502.8
67.5°	2239.0	1231.3	527.5	416.6	422.8	441.2	453.6	463.8	469.9	480.2	482.3
70°	1838.8	989.1	451.5	392.0	398.1	418.7	428.9	439.2	451.5	463.8	457.6
72.5°	1303.1	769.5	396.1	365.3	373.5	392.0	404.2	412.5	422.8	435.0	426.8
75°	554.1	537.7	342.7	330.4	342.7	355.0	367.4	379.7	389.9	396.1	396.1
77.5°	283.2	316.1	295.5	295.5	303.7	316.1	326.3	338.7	344.8	350.9	359.2
80°	240.1	244.2	248.3	256.5	264.8	277.1	287.4	297.6	299.6	301.7	305.8
82.5°	199.1	207.3	211.4	223.7	229.8	234.0	240.1	240.1	244.2	244.2	238.0
85°	143.6	153.9	160.1	162.2	160.1	162.2	164.1	168.3	178.5	178.5	170.4
87.5°	41.0	39.0	49.2	51.3	55.4	63.6	71.8	86.2	90.3	94.4	94.4
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):

	165°	170°	175°	180°
0°	3880.7	3880.7	3880.7	3880.7
2.5°	3829.4	3833.6	3825.3	3827.4
5°	3771.9	3780.2	3769.9	3782.2
7.5°	3698.1	3710.4	3708.4	3706.3
10°	3591.4	3607.8	3607.8	3614.0
12.5°	3456.0	3466.2	3474.4	3478.5
15°	3273.3	3291.7	3302.0	3302.0
17.5°	3053.7	3066.0	3072.1	3063.9
20°	2774.6	2770.5	2772.5	2752.0
22.5°	2452.4	2458.5	2440.1	2444.1
25°	2136.4	2126.1	2134.3	2122.0
27.5°	1830.6	1832.6	1810.1	1820.3
30°	1539.2	1528.9	1500.2	1514.5
32.5°	1258.0	1231.3	1200.5	1182.1
35°	993.3	952.2	937.8	931.7
37.5°	779.8	734.7	720.3	703.9
40°	619.8	603.3	597.2	601.3
42.5°	556.2	556.2	560.2	562.3
45°	539.7	545.9	552.0	554.1
47.5°	541.8	548.0	556.2	558.2
50°	545.9	552.0	558.2	560.2
52.5°	548.0	548.0	552.0	554.1
55°	543.8	541.8	543.8	545.9
57.5°	535.6	531.5	533.6	539.7
60°	531.5	525.4	529.4	533.6
62.5°	521.2	519.2	523.3	525.4
65°	498.7	500.7	506.9	506.9
67.5°	478.1	480.2	482.3	484.4
70°	453.6	455.5	459.7	461.8
72.5°	424.8	433.1	439.2	447.4
75°	402.3	410.5	422.8	431.0
77.5°	363.2	369.4	383.7	394.0
80°	307.9	305.8	307.9	314.0
82.5°	236.0	236.0	234.0	231.9
85°	166.2	164.1	158.0	158.0
87.5°	90.3	88.3	86.2	82.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)