

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: McGRAW-EDISON

Report Number: P158394

Luminaire Tested: **VTS-F10-LED-E1-SL3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158394  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33713)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-F10-LED-E1-SL3-7030  
Description: VENTUS LED SITE LUMINAIRE  
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (70) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

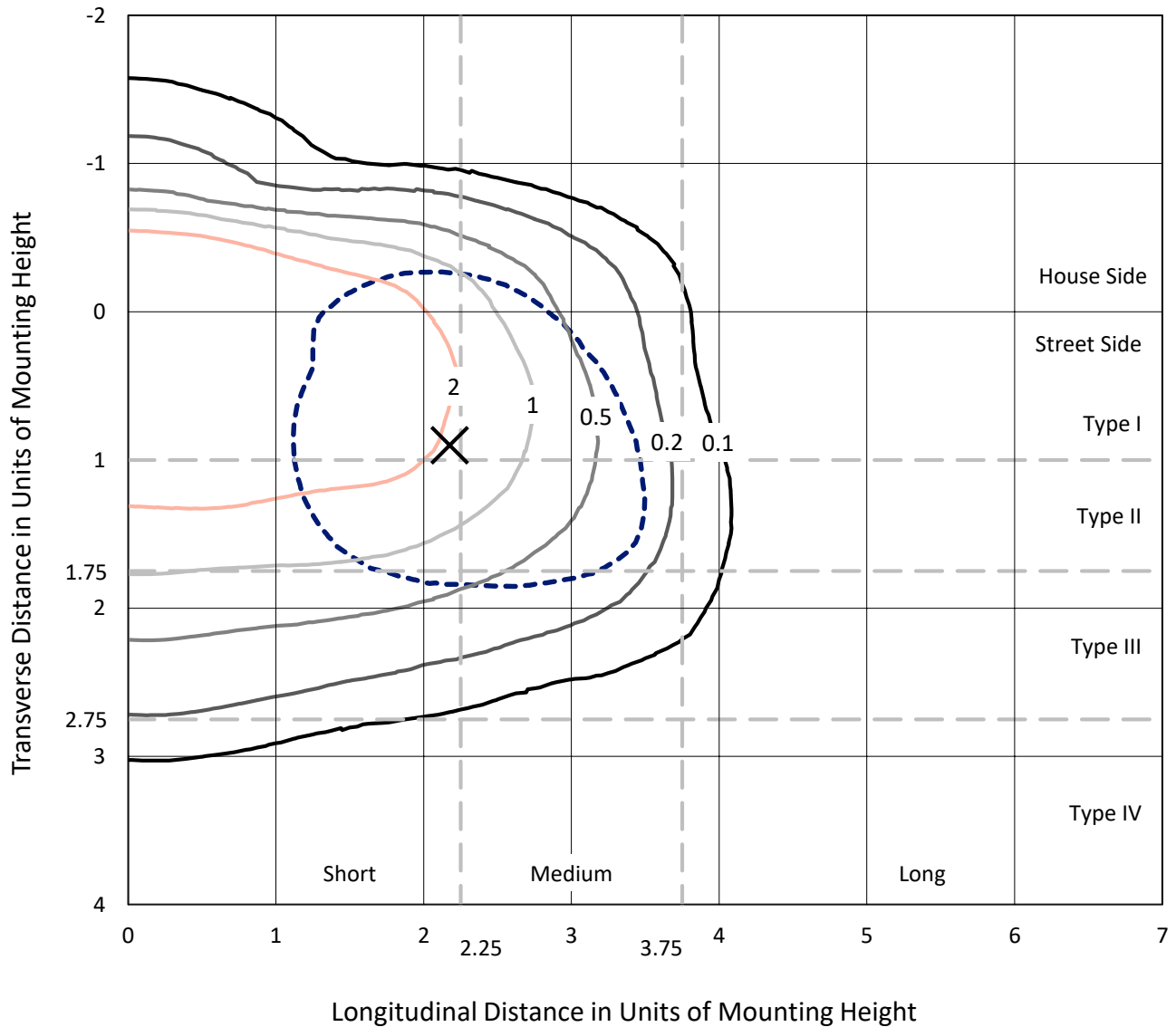
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22747 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 258.7  
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

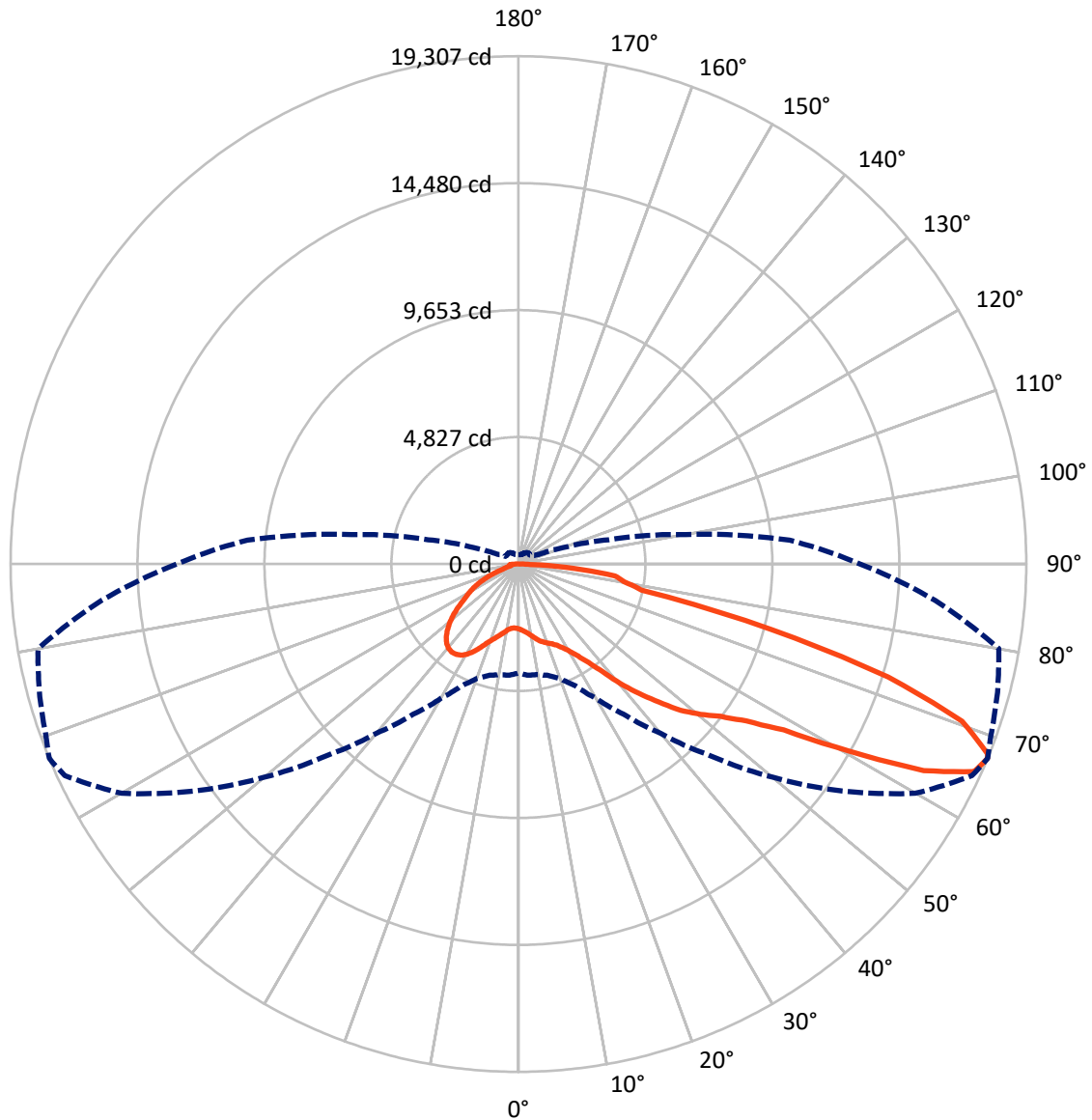


Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5457.0	0.0	5457.0
	% Fixture	24.0	0.0	24.0
<b>Street Side</b>	Lumens	17289.9	0.0	17289.9
	% Fixture	76.0	0.0	76.0
<b>Total</b>	Lumens	22747.0	0.0	22747.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.0	1.1
10°-20°	834.9	3.7
20°-30°	1490.5	6.6
30°-40°	2184.4	9.6
40°-50°	3375.3	14.8
50°-60°	4915.0	21.6
60°-70°	6402.6	28.1
70°-80°	2866.0	12.6
80°-90°	433.3	1.9
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°	22747.0	100.0
0°-180°	22747.0	100.0



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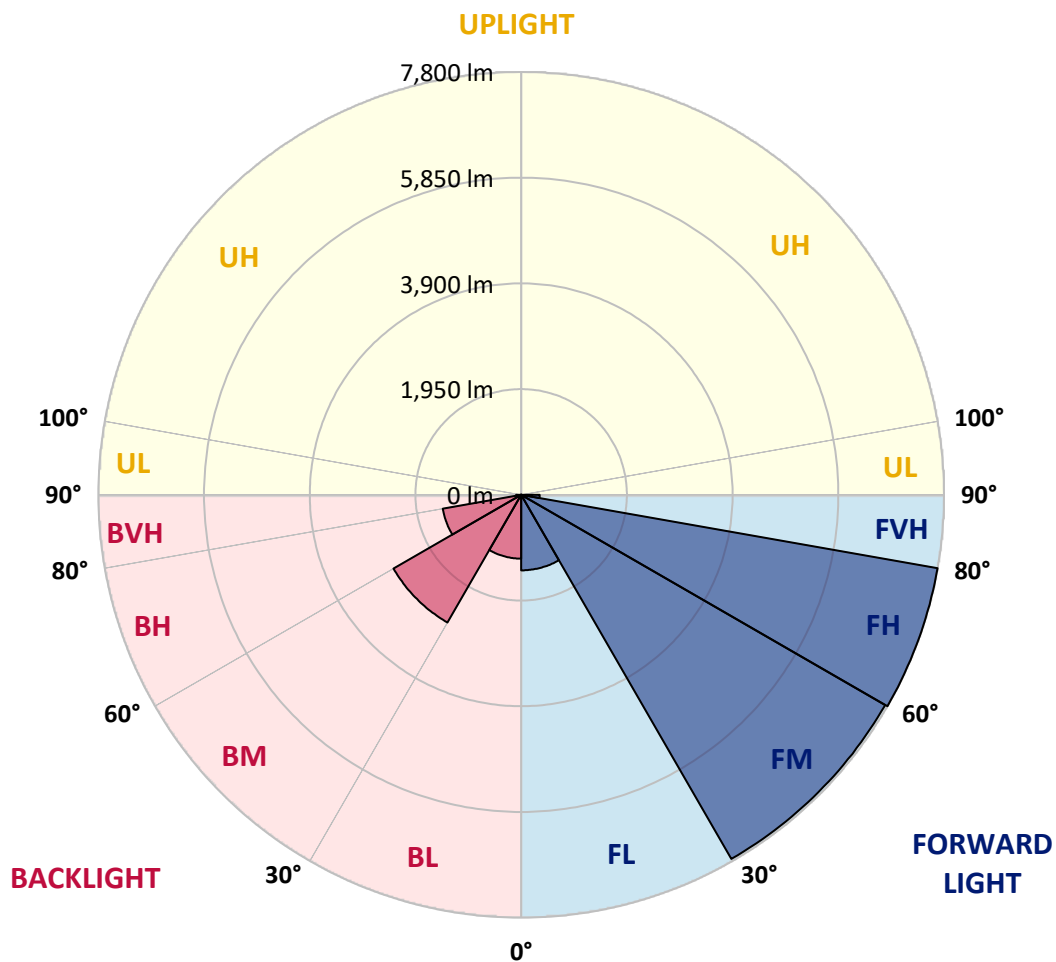
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1393.7	6.1			
FM	(30°-60°)	7755.5	34.1			
FH	(60°-80°)	7800.4	34.3			G4/12000
FVH	(80°-90°)	340.3	1.5			G3/500
BL	(0°-30°)	1176.7	5.2	B3/2500		
BM	(30°-60°)	2719.1	12.0	B3/5000		
BH	(60°-80°)	1468.1	6.5	B3/2500		G3/2500
BVH	(80°-90°)	93.0	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6
2.5°	2562.1	2568.1	2569.6	2568.1	2569.6	2563.6	2562.1	2553.0	2557.5	2545.5	2542.5
5°	2700.8	2705.3	2708.3	2696.3	2699.3	2693.3	2685.7	2676.7	2664.6	2648.0	2637.5
7.5°	2836.5	2844.1	2842.6	2838.0	2827.5	2821.4	2806.4	2792.8	2771.7	2752.1	2738.5
10°	3019.0	3017.5	3017.5	2991.8	2976.8	2963.2	2936.1	2914.9	2893.8	2865.2	2850.1
12.5°	3230.1	3219.6	3215.0	3196.9	3165.3	3141.1	3101.9	3061.2	3023.5	2993.4	2969.2
15°	3433.7	3433.7	3421.6	3393.0	3362.8	3331.1	3275.3	3216.5	3154.7	3106.5	3082.3
17.5°	3619.2	3602.6	3592.0	3554.3	3522.7	3471.4	3409.6	3346.2	3269.3	3201.5	3154.7
20°	3754.9	3741.3	3718.7	3671.9	3617.7	3557.3	3485.0	3411.1	3328.1	3254.2	3201.5
22.5°	3833.3	3816.7	3782.0	3720.2	3646.3	3561.9	3477.4	3408.1	3332.7	3276.9	3233.1
25°	3874.0	3857.4	3810.7	3729.3	3629.7	3518.1	3421.6	3353.8	3310.0	3296.5	3290.4
27.5°	3872.5	3858.9	3809.2	3715.7	3587.5	3459.3	3355.3	3298.0	3293.4	3346.2	3385.4
30°	3833.3	3824.3	3779.0	3685.5	3551.3	3417.1	3320.6	3290.4	3337.2	3448.8	3545.3
32.5°	3794.1	3789.6	3757.9	3673.5	3558.8	3445.8	3379.4	3382.4	3478.9	3650.8	3806.2
35°	3798.6	3804.7	3800.1	3754.9	3682.5	3623.7	3592.0	3658.4	3809.2	4017.3	4225.4
37.5°	3837.8	3860.4	3889.1	3893.6	3895.1	3886.1	3952.4	4092.7	4312.8	4584.3	4910.0
40°	3923.8	3949.4	4032.4	4104.7	4198.2	4309.8	4444.0	4638.6	4911.5	5246.3	5645.9
42.5°	4190.7	4226.9	4329.4	4463.6	4635.6	4810.5	5011.0	5276.4	5611.2	5964.1	6383.3
45°	4539.0	4614.4	4727.5	4876.8	5134.7	5380.5	5639.9	5936.9	6292.8	6734.7	7156.9
47.5°	4973.3	5048.7	5213.1	5373.0	5677.6	5983.7	6267.2	6577.8	6963.9	7416.3	7883.8
50°	5353.4	5439.3	5585.6	5801.2	6154.1	6529.6	6843.2	7179.5	7503.7	7980.3	8452.3
52.5°	5651.9	5713.8	5854.0	6051.6	6445.1	6856.8	7253.4	7627.4	8011.9	8488.5	8925.8
55°	5689.6	5746.9	5884.2	6110.4	6510.0	6966.9	7423.8	7867.2	8411.6	8931.8	9510.9
57.5°	5526.8	5573.5	5712.3	5914.3	6303.4	6823.6	7401.2	7969.7	8666.4	9369.1	10076.4
60°	5296.1	5342.8	5451.4	5612.7	5964.1	6525.1	7199.1	7977.3	8903.2	9918.0	10958.5
62.5°	5042.7	5083.4	5170.9	5285.5	5594.6	6111.9	6884.0	7927.5	9096.2	10463.9	12068.4
65°	4615.9	4714.0	4751.7	4869.3	5178.4	5667.0	6452.7	7591.2	9017.8	10706.7	12765.1
67°	4143.9	4243.5	4263.1	4382.2	4629.5	5098.5	5897.7	6968.4	8396.5	10287.5	12611.3
67.5°	3993.1	4077.6	4107.8	4226.9	4460.6	4902.5	5661.0	6743.7	8206.5	10058.3	12425.8
70°	2936.1	3029.5	3062.7	3112.5	3279.9	3647.8	4150.0	5089.5	6543.2	8208.0	10482.0
72.5°	1571.3	1646.7	1678.4	1752.3	1838.2	2038.8	2423.3	3097.4	4015.8	5492.1	7457.0
75°	1063.1	1093.3	1115.9	1167.2	1256.2	1416.0	1584.9	1821.6	2376.6	3098.9	4243.5
77.5°	606.2	619.8	622.8	631.8	702.7	855.0	1132.5	1533.6	1966.4	2245.4	2714.4
80°	262.4	289.5	310.6	297.1	292.5	324.2	405.6	604.7	1185.3	1882.0	2233.3
82.5°	141.8	153.8	171.9	173.4	182.5	193.0	209.6	248.8	349.9	705.7	1539.7
85°	73.9	76.9	102.5	117.6	125.2	131.2	134.2	149.3	171.9	218.7	383.0
87.5°	10.6	15.1	18.1	24.1	27.1	28.7	33.2	42.2	49.8	60.3	102.5
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6
2.5°	2528.9	2525.9	2516.8	2510.8	2504.8	2498.7	2491.2	2485.2	2474.6	2467.1	2458.0
5°	2622.4	2604.3	2592.2	2575.6	2572.6	2553.0	2533.4	2524.4	2506.3	2491.2	2473.1
7.5°	2717.4	2696.3	2676.7	2663.1	2655.6	2628.4	2608.8	2586.2	2565.1	2545.5	2524.4
10°	2829.0	2807.9	2786.8	2777.7	2764.1	2738.5	2721.9	2693.3	2672.2	2648.0	2619.4
12.5°	2945.1	2930.0	2914.9	2902.9	2896.8	2884.8	2860.7	2836.5	2807.9	2783.7	2750.6
15°	3047.6	3037.1	3031.1	3028.0	3028.0	3020.5	2997.9	2975.3	2945.1	2918.0	2881.8
17.5°	3120.0	3115.5	3120.0	3124.5	3130.6	3124.5	3120.0	3094.4	3074.8	3041.6	3005.4
20°	3162.2	3171.3	3193.9	3209.0	3222.6	3233.1	3237.6	3216.5	3190.9	3166.8	3142.6
22.5°	3207.5	3233.1	3272.3	3295.0	3317.6	3355.3	3364.3	3349.2	3329.6	3314.6	3288.9
25°	3282.9	3320.6	3388.4	3424.6	3456.3	3512.1	3519.6	3522.7	3518.1	3506.1	3474.4
27.5°	3400.5	3474.4	3564.9	3611.6	3646.3	3718.7	3747.3	3747.3	3735.3	3748.9	3748.9
30°	3605.6	3703.6	3821.2	3848.4	3902.7	3966.0	4012.8	4018.8	4020.3	4048.9	4091.2
32.5°	3920.8	4014.3	4145.5	4175.6	4222.4	4282.7	4335.5	4329.4	4343.0	4404.8	4460.6
35°	4379.2	4474.2	4560.2	4600.9	4622.0	4676.3	4695.9	4729.0	4769.8	4846.7	4839.1
37.5°	5057.8	5142.2	5154.3	5179.9	5154.3	5164.9	5179.9	5219.1	5327.7	5397.1	5285.5
40°	5875.1	6015.4	6001.8	5971.6	5914.3	5837.4	5864.6	5924.9	6042.5	5982.2	5682.1
42.5°	6645.7	6790.5	6763.3	6728.6	6602.0	6573.3	6570.3	6620.1	6683.4	6511.5	5992.7
45°	7404.2	7552.0	7505.3	7485.6	7401.2	7339.4	7390.6	7393.7	7377.1	7009.1	6264.2
47.5°	8186.9	8322.6	8292.4	8309.0	8221.5	8180.8	8185.4	8164.2	8008.9	7431.4	6475.3
50°	8818.7	9001.2	9019.3	8981.6	8934.8	8873.0	9031.3	8974.0	8628.7	7841.5	6678.9
52.5°	9310.3	9556.1	9649.6	9625.5	9587.8	9595.3	9892.4	9957.2	9385.7	8358.8	6903.6
55°	9892.4	10279.9	10432.3	10522.7	10483.5	10634.3	11314.4	11347.6	10438.3	9034.3	7196.1
57.5°	10732.3	11287.3	11768.3	11896.5	12020.2	12510.3	13614.1	13277.8	11804.5	10056.8	7567.1
60°	12009.6	13225.0	14006.2	14416.4	14705.9	15390.5	16440.1	15588.1	13507.0	11273.7	8033.0
62.5°	13798.1	15574.5	16880.4	17292.1	17411.2	17804.8	18564.8	16934.7	14434.5	11819.6	8073.8
65°	15129.6	17260.4	18824.2	19035.3	18893.6	18901.1	19100.2	16863.8	14089.1	11343.1	7374.1
67°	15042.2	17427.8	19029.3	19306.8	19110.7	18852.9	18542.2	15903.2	12979.2	10344.8	6457.2
67.5°	14908.0	17266.5	18940.3	19232.9	19053.4	18759.4	18305.5	15530.8	12633.9	10034.1	6270.2
70°	12887.3	15229.2	17483.6	17895.3	17970.7	17702.3	16428.0	13095.4	10257.3	8162.7	4869.3
72.5°	10031.1	12116.7	14347.0	14704.4	14993.9	14220.3	11956.8	9044.9	7476.6	5882.7	3525.7
75°	6623.1	8744.8	9869.8	9922.6	9553.1	8120.5	5841.9	4530.0	4169.6	3457.8	2182.1
77.5°	3543.8	5142.2	5173.9	4790.9	4615.9	3441.2	1396.4	770.6	858.0	974.2	868.6
80°	2643.5	3275.3	3795.6	4080.6	4165.1	2951.1	722.3	408.7	357.4	325.7	321.2
82.5°	2384.1	3163.8	3546.8	3702.1	3662.9	2427.9	405.6	274.5	227.7	247.3	282.0
85°	935.0	1688.9	2221.3	2150.4	1806.6	904.8	221.7	147.8	147.8	214.1	277.5
87.5°	191.5	346.8	470.5	449.4	404.1	174.9	108.6	89.0	90.5	173.4	262.4
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6	2465.6
2.5°	2449.0	2439.9	2433.9	2427.9	2421.8	2418.8	2414.3	2414.3	2405.2	2402.2	2399.2
5°	2459.5	2444.4	2433.9	2420.3	2409.8	2400.7	2388.7	2385.6	2375.1	2367.5	2364.5
7.5°	2504.8	2482.1	2459.5	2442.9	2427.9	2408.3	2394.7	2382.6	2372.1	2364.5	2355.5
10°	2590.7	2566.6	2534.9	2504.8	2485.2	2455.0	2433.9	2412.8	2400.7	2391.7	2379.6
12.5°	2717.4	2682.7	2645.0	2608.8	2575.6	2536.4	2515.3	2489.7	2474.6	2467.1	2458.0
15°	2847.1	2809.4	2762.6	2727.9	2690.2	2660.1	2640.5	2617.9	2605.8	2596.8	2590.7
17.5°	2979.8	2936.1	2902.9	2868.2	2850.1	2827.5	2801.8	2773.2	2738.5	2717.4	2688.7
20°	3115.5	3082.3	3062.7	3043.1	3022.0	2990.3	2939.1	2880.3	2815.4	2753.6	2694.8
22.5°	3273.8	3254.2	3251.2	3233.1	3189.4	3114.0	3019.0	2908.9	2798.8	2696.3	2616.4
25°	3497.0	3497.0	3481.9	3408.1	3305.5	3169.8	3009.9	2851.6	2705.3	2565.1	2459.5
27.5°	3777.5	3767.0	3693.1	3540.8	3356.8	3145.7	2931.5	2731.0	2544.0	2390.2	2254.4
30°	4086.6	4012.8	3854.4	3614.6	3338.7	3067.2	2804.9	2572.6	2352.5	2164.0	2004.1
32.5°	4407.8	4228.4	3943.4	3614.6	3275.3	2949.6	2646.5	2361.5	2109.7	1898.6	1708.5
35°	4698.9	4371.7	3964.5	3555.8	3151.7	2776.2	2424.8	2102.1	1800.5	1572.8	1364.7
37.5°	4962.8	4466.7	3941.9	3441.2	2972.2	2531.9	2120.2	1764.3	1423.5	1203.4	1025.4
40°	5134.7	4486.3	3848.4	3261.8	2715.9	2201.7	1746.2	1348.1	1078.2	877.6	758.5
42.5°	5241.8	4448.6	3697.6	3016.0	2370.6	1787.0	1310.4	966.6	766.1	654.5	609.2
45°	5302.1	4350.5	3474.4	2679.7	1952.8	1358.7	930.4	698.2	589.6	550.4	535.3
47.5°	5299.1	4192.2	3195.4	2290.6	1491.4	947.0	659.0	544.4	514.2	502.2	499.1
50°	5267.4	3997.7	2868.2	1868.4	1076.7	660.5	521.8	488.6	481.0	473.5	470.5
52.5°	5223.7	3756.4	2506.3	1456.7	764.5	527.8	473.5	464.5	458.4	450.9	447.9
55°	5142.2	3459.3	2114.2	1096.3	598.7	476.5	456.9	453.9	446.4	435.8	429.8
57.5°	5042.7	3157.7	1738.7	856.5	529.3	464.5	453.9	449.4	438.8	426.8	414.7
60°	5006.5	2908.9	1444.7	722.3	512.7	469.0	461.4	455.4	440.3	422.2	408.7
62.5°	4780.3	2628.4	1233.5	669.5	521.8	488.6	485.6	476.5	453.9	432.8	411.7
65°	4195.2	2222.8	1045.0	633.4	539.9	521.8	524.8	511.2	488.6	459.9	422.2
67°	3548.3	1812.6	870.1	598.7	553.4	556.4	567.0	556.4	527.8	487.1	435.8
67.5°	3376.4	1708.5	826.4	588.1	556.4	565.5	577.6	570.0	541.4	494.6	441.8
70°	2509.3	1203.4	616.8	532.3	556.4	592.6	619.8	627.3	595.7	530.8	453.9
72.5°	1767.4	776.6	473.5	461.4	505.2	553.4	604.7	630.3	594.1	523.3	437.3
75°	1061.6	485.6	384.5	392.1	425.3	475.0	515.7	526.3	481.0	435.8	378.5
77.5°	491.6	322.7	301.6	312.2	343.8	366.4	366.4	345.3	310.6	283.5	271.4
80°	289.5	263.9	262.4	282.0	303.1	286.5	260.9	232.2	214.1	205.1	200.6
82.5°	271.4	282.0	300.1	304.6	288.0	247.3	215.6	187.0	177.9	173.4	168.9
85°	319.7	342.3	312.2	288.0	254.8	208.1	168.9	144.8	140.2	135.7	129.7
87.5°	295.6	282.0	245.8	211.1	174.9	126.7	92.0	82.9	89.0	87.5	84.4
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):**

	160°	165°	170°	175°	180°
0°	2465.6	2465.6	2465.6	2465.6	2465.6
2.5°	2400.7	2400.7	2394.7	2391.7	2399.2
5°	2358.5	2360.0	2355.5	2354.0	2355.5
7.5°	2349.4	2347.9	2344.9	2341.9	2344.9
10°	2376.6	2375.1	2370.6	2373.6	2369.0
12.5°	2458.0	2467.1	2465.6	2468.6	2474.6
15°	2590.7	2589.2	2584.7	2587.7	2592.2
17.5°	2666.1	2654.1	2643.5	2639.0	2639.0
20°	2648.0	2613.3	2595.2	2584.7	2581.7
22.5°	2541.0	2491.2	2453.5	2444.4	2436.9
25°	2366.0	2304.2	2255.9	2245.4	2225.8
27.5°	2162.5	2079.5	2022.2	2010.1	1999.6
30°	1895.5	1800.5	1734.2	1692.0	1705.5
32.5°	1569.8	1479.3	1402.4	1334.6	1324.0
35°	1212.4	1112.9	1045.0	1014.9	995.3
37.5°	904.8	821.9	776.6	748.0	749.5
40°	692.2	648.4	624.3	604.7	606.2
42.5°	577.6	558.0	551.9	542.9	538.4
45°	523.3	517.2	518.7	509.7	506.7
47.5°	493.1	488.6	490.1	484.1	482.6
50°	469.0	466.0	467.5	463.0	461.4
52.5°	444.9	446.4	444.9	441.8	441.8
55°	423.7	422.2	425.3	420.7	420.7
57.5°	407.2	405.6	405.6	404.1	404.1
60°	398.1	392.1	390.6	390.6	392.1
62.5°	393.6	383.0	381.5	381.5	383.0
65°	395.1	378.5	372.5	371.0	369.5
67°	396.6	372.5	360.4	354.4	352.9
67.5°	398.1	369.5	355.9	349.9	346.8
70°	389.1	348.3	328.7	318.2	315.2
72.5°	366.4	322.7	298.6	285.0	282.0
75°	325.7	292.5	271.4	256.4	250.3
77.5°	251.8	236.8	229.2	220.2	217.2
80°	196.0	188.5	185.5	179.5	177.9
82.5°	162.9	155.3	150.8	143.3	138.7
85°	126.7	117.6	114.6	108.6	105.6
87.5°	82.9	78.4	76.9	69.4	66.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)