

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: P158183

Luminaire Tested: **VTS-F11-LED-E1-SL2-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158183  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-F11-LED-E1-SL2-8030  
Description: VENTUS LED SITE LUMINAIRE  
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (77) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

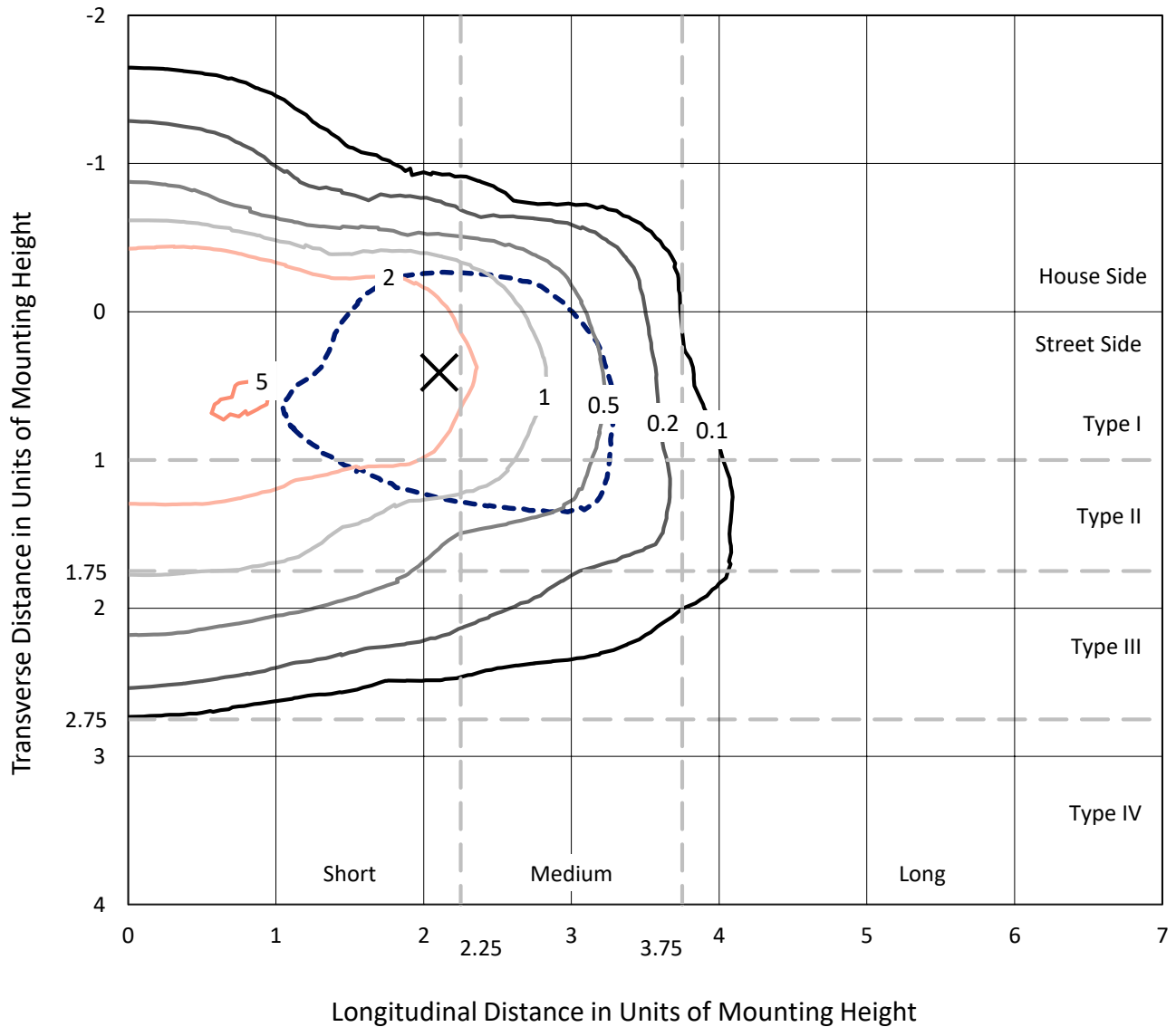
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23059.5 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 1.83' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 282.7  
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

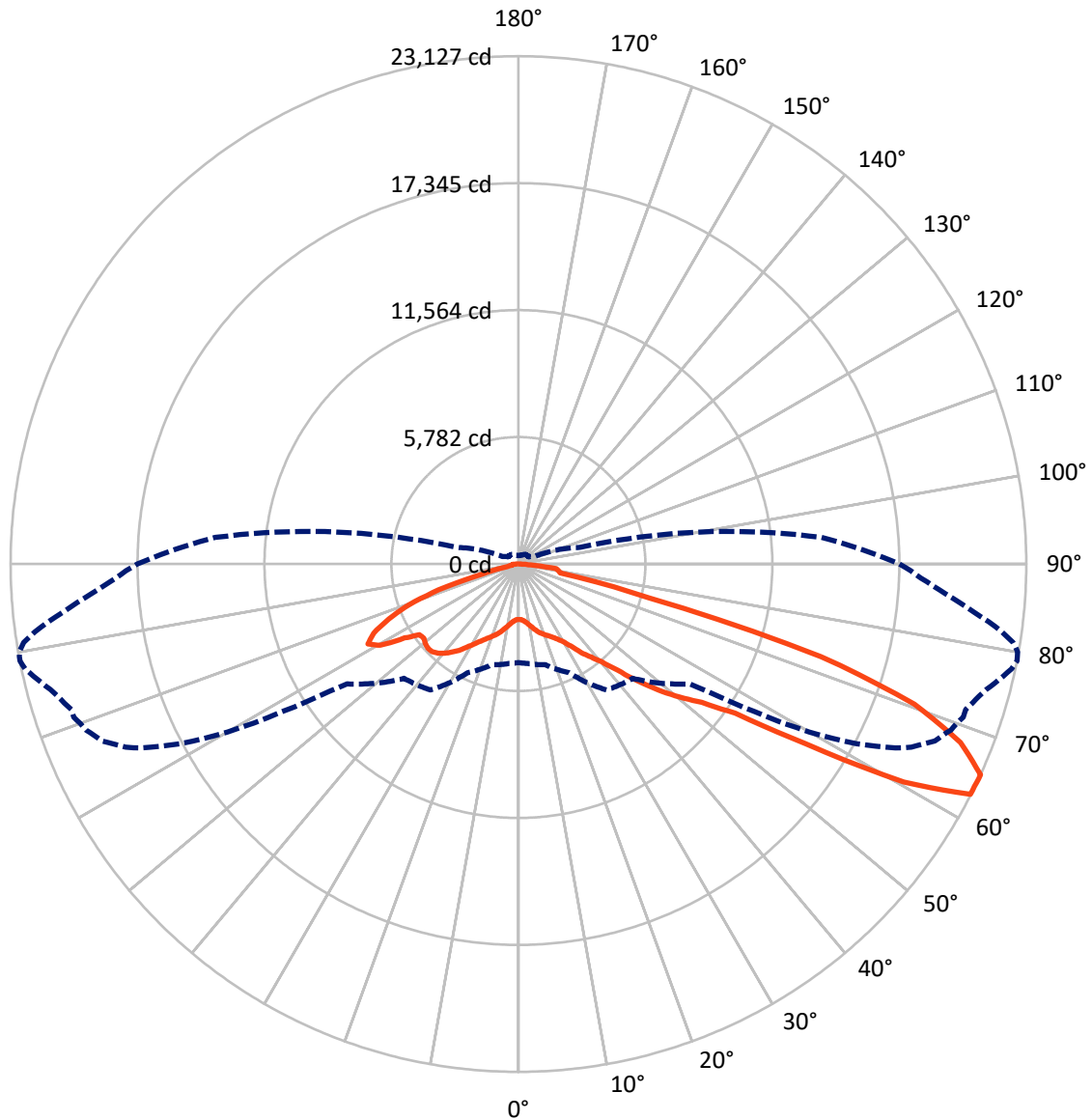
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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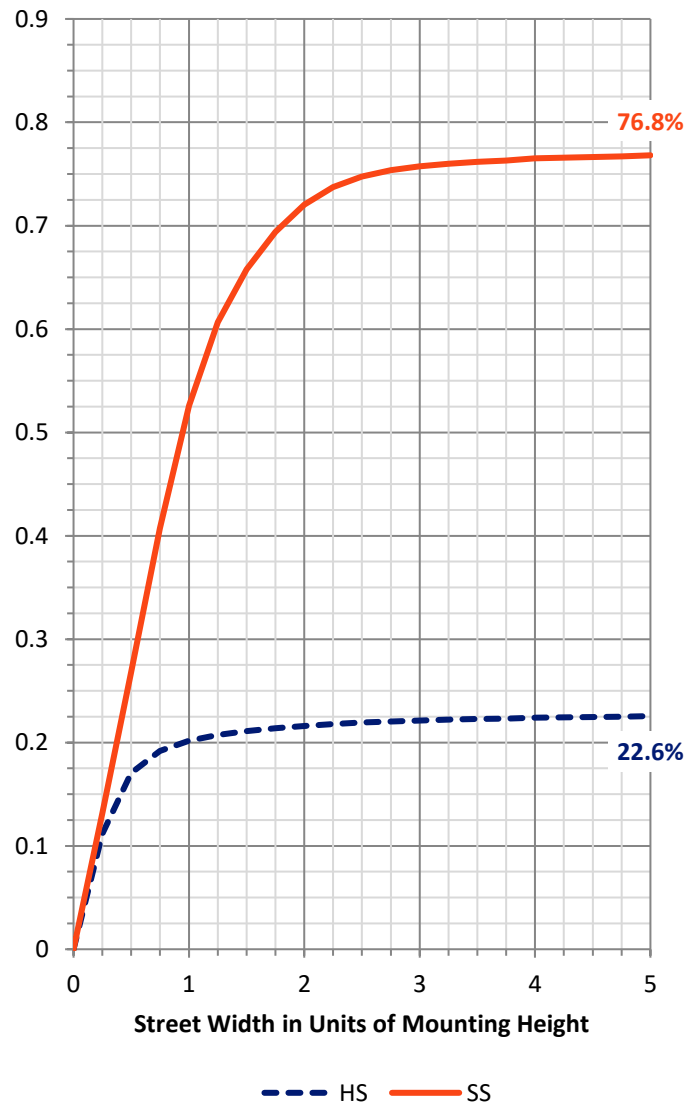
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5298.6	0.0	5298.6
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	17760.8	0.0	17760.8
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	23059.5	0.0	23059.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.6	1.1
10°-20°	810.7	3.5
20°-30°	1397.6	6.1
30°-40°	2289.3	9.9
40°-50°	3833.7	16.6
50°-60°	5185.7	22.5
60°-70°	6386.1	27.7
70°-80°	2472.0	10.7
80°-90°	434.7	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°	23059.5	100.0
0°-180°	23059.5	100.0



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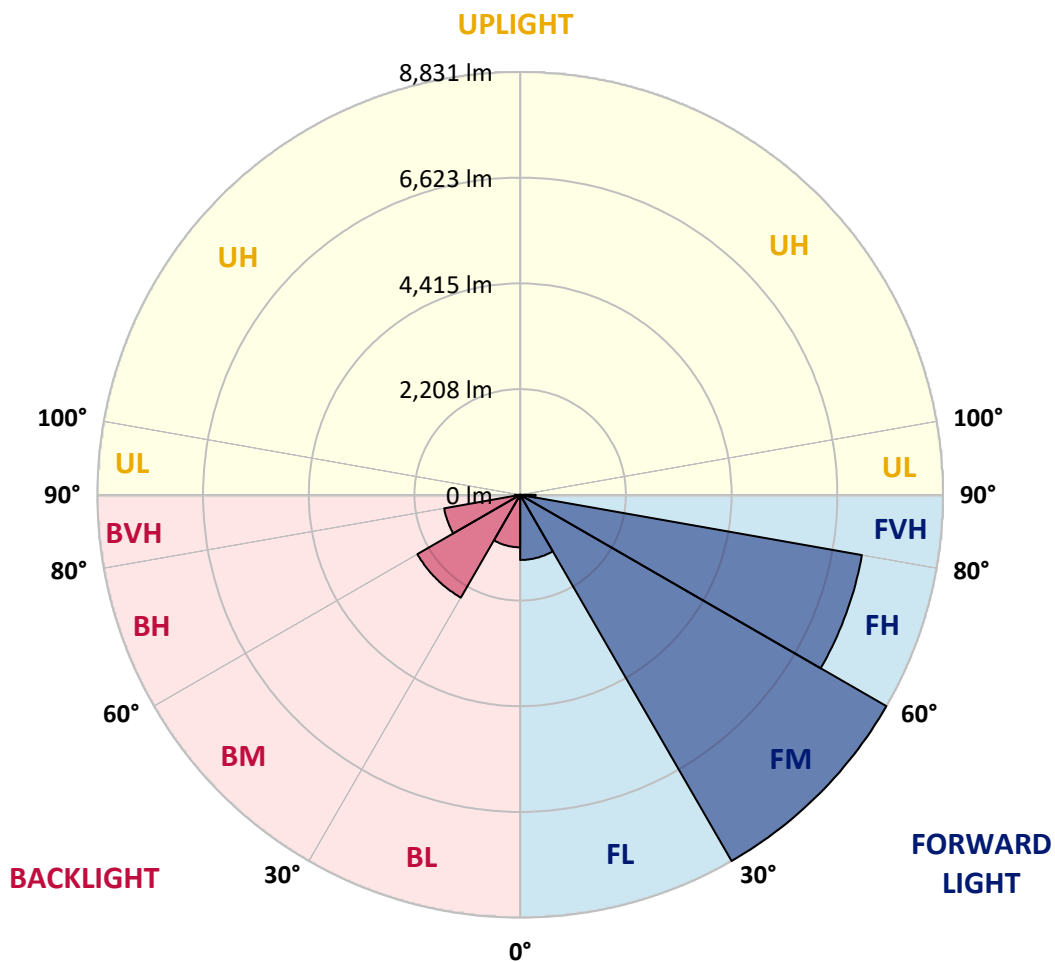
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.4	5.9			
FM (30°-60°)	8830.8	38.3			
FH (60°-80°)	7246.1	31.4			G3/7500
FVH (80°-90°)	322.6	1.4			G3/500
BL (0°-30°)	1096.6	4.8	B3/2500		
BM (30°-60°)	2477.9	10.7	B2/2500		
BH (60°-80°)	1612.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	112.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2527.6	2520.0	2527.6	2533.7	2538.3	2544.5	2542.9	2541.4	2539.9	2541.4	2541.4
5°	2549.1	2547.5	2555.2	2561.3	2572.1	2579.7	2588.9	2588.9	2588.9	2587.4	2590.5
7.5°	2618.1	2616.5	2624.2	2630.3	2639.5	2654.8	2667.1	2673.2	2671.7	2671.7	2671.7
10°	2731.5	2725.4	2725.4	2725.4	2737.6	2748.3	2775.9	2779.0	2785.1	2782.1	2783.6
12.5°	2841.8	2843.4	2838.8	2834.2	2835.7	2857.2	2897.0	2904.7	2906.2	2910.8	2913.9
15°	2941.5	2939.9	2929.2	2918.5	2932.3	2969.1	3021.2	3035.0	3035.0	3044.2	3050.3
17.5°	3033.4	3030.4	3010.5	2992.1	3005.9	3068.7	3149.9	3159.1	3172.9	3177.5	3183.7
20°	3142.3	3136.1	3113.2	3064.1	3064.1	3149.9	3257.2	3266.4	3278.7	3281.8	3292.5
22.5°	3294.0	3278.7	3229.6	3140.7	3116.2	3215.9	3347.7	3352.3	3361.5	3373.7	3382.9
25°	3465.7	3468.8	3389.1	3234.2	3180.6	3284.8	3435.0	3442.7	3459.6	3468.8	3479.5
27.5°	3643.5	3648.1	3559.2	3366.1	3275.6	3379.9	3553.1	3562.3	3582.2	3592.9	3609.8
30°	3845.8	3852.0	3766.1	3571.5	3433.5	3519.4	3727.8	3752.3	3769.2	3783.0	3810.6
32.5°	4331.7	4295.0	4235.2	4028.2	3810.6	3804.5	4009.9	4037.4	4060.4	4089.6	4115.6
35°	4943.3	4966.3	4997.0	4857.5	4665.9	4526.4	4543.3	4527.9	4549.4	4592.3	4618.4
37.5°	5427.7	5478.3	5611.6	5702.1	5694.4	5666.8	5409.3	5409.3	5423.1	5400.1	5397.1
40°	5807.8	5840.0	6112.9	6463.9	6759.7	6905.3	6701.5	6672.4	6687.7	6569.7	6574.3
42.5°	6004.0	6051.6	6444.0	7060.2	7647.2	8114.7	8051.9	8032.0	7986.0	7956.9	7938.5
45°	6103.7	6160.4	6627.9	7474.0	8329.3	9051.3	9376.2	9373.2	9331.8	9298.1	9282.7
47.5°	6053.1	6102.1	6600.3	7599.7	8688.0	9655.2	10374.1	10418.6	10406.3	10455.4	10475.3
50°	5722.0	5784.9	6284.6	7328.4	8537.8	9892.8	11065.4	11148.2	11260.1	11330.6	11424.1
52.5°	5423.1	5475.2	5925.9	6888.5	8044.2	9699.7	11482.3	11652.5	11805.8	11949.9	12061.7
55°	5110.4	5162.5	5558.0	6431.7	7546.1	9129.5	11672.4	11920.7	12159.8	12403.6	12627.4
57.5°	4992.4	5047.6	5341.9	6077.6	7138.3	8563.9	11765.9	12173.6	12563.0	12976.8	13406.0
60°	5299.0	5348.0	5571.8	6086.8	6827.2	7998.2	11577.4	12218.1	12887.9	13570.0	14229.2
62.5°	5205.5	5231.5	5510.5	6309.1	7224.2	7440.3	10760.4	11606.5	12579.8	13579.2	14589.4
65°	4491.2	4541.7	4751.7	5453.8	7001.9	7365.2	9515.7	10366.4	11514.5	12696.3	14049.8
67.5°	3222.0	3151.5	3314.0	3928.6	5432.3	7352.9	8114.7	8744.7	9644.5	10550.4	11660.1
70°	1463.8	1430.1	1557.3	2043.2	3277.2	5810.9	6860.9	7074.0	7408.1	8018.2	8767.7
72.5°	577.9	576.3	659.1	844.6	1549.7	3740.1	5769.5	5892.2	6010.2	6275.4	6598.8
75°	378.6	378.6	403.1	455.2	763.3	1805.7	4880.5	4992.4	5173.3	5248.4	5386.3
77.5°	285.1	286.6	297.4	309.6	421.5	950.3	3444.2	3841.2	4147.8	4376.2	4543.3
80°	202.3	211.5	231.5	239.1	274.4	541.1	1946.7	2233.3	2579.7	2949.1	3413.6
82.5°	151.7	162.5	196.2	205.4	217.7	308.1	878.3	996.3	1163.4	1508.3	2168.9
85°	70.5	78.2	134.9	147.2	157.9	177.8	446.1	498.2	565.6	619.3	722.0
87.5°	10.7	7.7	23.0	32.2	50.6	52.1	153.3	182.4	197.7	237.6	246.8
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2541.4	2542.9	2544.5	2541.4	2542.9	2542.9	2539.9	2538.3	2538.3	2538.3	2539.9
5°	2590.5	2593.5	2590.5	2592.0	2598.1	2596.6	2593.5	2592.0	2598.1	2599.7	2595.1
7.5°	2677.8	2679.4	2673.2	2680.9	2684.0	2685.5	2685.5	2688.6	2688.6	2693.2	2688.6
10°	2789.7	2789.7	2800.5	2798.9	2800.5	2803.5	2805.1	2811.2	2815.8	2815.8	2818.9
12.5°	2918.5	2920.0	2930.7	2932.3	2938.4	2939.9	2949.1	2943.0	2958.3	2958.3	2962.9
15°	3051.8	3062.6	3064.1	3079.4	3082.5	3084.0	3096.3	3096.3	3107.0	3108.6	3111.6
17.5°	3183.7	3192.9	3199.0	3211.3	3222.0	3226.6	3231.2	3240.4	3248.0	3251.1	3258.8
20°	3297.1	3306.3	3312.4	3324.7	3333.9	3341.5	3346.1	3356.9	3364.5	3367.6	3378.3
22.5°	3392.1	3398.3	3409.0	3425.8	3428.9	3438.1	3451.9	3459.6	3462.6	3471.8	3484.1
25°	3493.3	3502.5	3508.6	3523.9	3536.2	3551.5	3563.8	3576.1	3579.1	3591.4	3602.1
27.5°	3628.2	3637.4	3638.9	3669.6	3681.8	3703.3	3717.1	3735.5	3744.7	3755.4	3776.9
30°	3827.4	3848.9	3858.1	3893.4	3899.5	3924.0	3948.5	3954.7	3968.5	3970.0	4005.3
32.5°	4132.5	4163.1	4175.4	4212.2	4221.4	4244.4	4258.2	4290.4	4291.9	4307.2	4314.9
35°	4632.2	4624.5	4672.0	4681.2	4708.8	4728.7	4742.5	4742.5	4771.7	4773.2	4782.4
37.5°	5314.3	5299.0	5311.2	5256.0	5269.8	5245.3	5240.7	5246.8	5234.6	5237.6	5236.1
40°	6405.6	6336.7	6264.6	6094.5	6057.7	5987.2	5932.0	5887.6	5844.6	5798.7	5768.0
42.5°	7774.5	7674.8	7567.5	7294.7	7167.5	7031.0	6897.7	6821.0	6667.8	6574.3	6523.7
45°	9209.2	9092.7	8942.5	8715.6	8534.7	8389.1	8145.4	8030.4	7792.8	7674.8	7515.4
47.5°	10384.8	10386.4	10265.3	10035.4	9842.2	9745.7	9593.9	9371.7	9101.9	8950.1	8666.6
50°	11413.4	11411.8	11404.2	11266.2	11131.3	11025.6	10892.2	10691.4	10470.7	10299.0	9974.0
52.5°	12173.6	12274.8	12317.7	12316.2	12299.3	12250.3	12149.1	11975.9	11752.1	11655.5	11396.5
55°	12802.1	13022.8	13137.8	13389.2	13412.2	13493.4	13404.5	13406.0	13274.2	13283.4	13200.6
57.5°	13754.0	14157.1	14388.6	14945.0	15224.0	15561.2	15501.4	15783.4	15886.1	16016.4	16189.6
60°	14834.6	15587.2	16136.0	17242.7	17693.3	18239.0	18539.4	18859.8	19092.8	19331.9	19508.2
62.5°	15607.2	16595.8	17497.1	19074.4	19659.9	20234.7	20613.3	21001.1	21263.3	21434.9	21562.2
65°	15291.4	16384.3	17449.6	19103.5	19741.2	20158.1	20608.7	20832.5	21094.6	21237.2	21419.6
67.5°	12993.7	14089.7	15231.6	17182.9	17849.7	18426.0	18777.0	19066.7	19278.3	19459.1	19669.1
70°	9662.9	10861.5	12041.8	14181.6	15023.2	15855.5	16269.3	16628.0	16848.7	17031.1	17262.6
72.5°	6954.4	7705.5	8442.8	10838.6	11680.1	12756.1	13185.3	13583.8	13870.5	13861.3	14106.5
75°	5536.5	5841.6	6169.6	7406.6	8010.5	8917.9	9158.6	9382.4	9247.5	8988.4	8973.1
77.5°	4609.2	4734.9	4845.2	5233.0	5321.9	5538.1	5418.5	5294.4	4894.3	4557.1	4379.3
80°	3741.6	3989.9	4152.4	4428.3	4541.7	4606.1	4623.0	4580.1	4432.9	4229.0	3904.1
82.5°	2782.1	3254.2	3576.1	4118.7	4317.9	4359.3	4439.0	4390.0	4293.4	4127.9	3894.9
85°	815.5	922.8	1057.6	1434.7	1681.5	1891.5	2106.1	2211.9	2277.8	2185.8	1945.1
87.5°	286.6	323.4	361.7	498.2	530.4	640.7	628.5	741.9	746.5	778.7	744.9
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2538.3	2538.3	2538.3	2539.9	2539.9	2539.9	2536.8	2535.3	2536.8	2539.9	2539.9
5°	2598.1	2599.7	2602.7	2596.6	2598.1	2602.7	2599.7	2598.1	2599.7	2602.7	2599.7
7.5°	2694.7	2696.2	2693.2	2699.3	2699.3	2702.4	2707.0	2702.4	2703.9	2705.4	2707.0
10°	2820.4	2821.9	2825.0	2829.6	2831.1	2834.2	2837.2	2841.8	2841.8	2838.8	2846.4
12.5°	2970.6	2969.1	2972.1	2978.3	2981.3	2985.9	2995.1	2995.1	3001.3	2999.7	3007.4
15°	3117.8	3125.4	3126.9	3137.7	3142.3	3149.9	3160.7	3166.8	3166.8	3176.0	3179.1
17.5°	3264.9	3271.0	3277.2	3286.4	3292.5	3297.1	3309.4	3317.0	3315.5	3332.3	3332.3
20°	3378.3	3390.6	3398.3	3404.4	3415.1	3422.8	3432.0	3441.2	3447.3	3458.0	3461.1
22.5°	3488.7	3496.4	3507.1	3514.8	3527.0	3536.2	3546.9	3554.6	3565.3	3579.1	3583.7
25°	3611.3	3623.6	3635.8	3646.6	3655.8	3666.5	3684.9	3701.8	3717.1	3729.3	3733.9
27.5°	3781.5	3795.3	3813.7	3821.3	3835.1	3844.3	3871.9	3893.4	3901.0	3922.5	3928.6
30°	4011.4	4026.7	4045.1	4054.3	4078.8	4091.1	4120.2	4143.2	4150.9	4176.9	4181.5
32.5°	4344.0	4353.2	4390.0	4388.5	4422.2	4457.4	4474.3	4492.7	4526.4	4540.2	4544.8
35°	4805.4	4826.8	4852.9	4851.4	4894.3	4914.2	4947.9	4967.9	4992.4	4990.9	5016.9
37.5°	5251.4	5259.1	5268.3	5288.2	5318.9	5346.5	5358.7	5378.7	5397.1	5424.6	5458.4
40°	5737.3	5755.7	5757.3	5768.0	5783.3	5818.6	5841.6	5863.0	5925.9	5965.7	5985.7
42.5°	6465.4	6460.8	6430.2	6450.1	6459.3	6512.9	6529.8	6595.7	6666.2	6750.5	6773.5
45°	7402.0	7340.7	7322.3	7314.6	7363.7	7391.2	7460.2	7582.9	7656.4	7736.1	7774.5
47.5°	8554.7	8363.1	8272.6	8252.7	8303.3	8421.3	8444.3	8565.4	8662.0	8720.2	8758.5
50°	9708.9	9558.7	9368.6	9304.2	9290.4	9399.2	9425.3	9526.5	9624.6	9641.4	9621.5
52.5°	11158.9	10913.7	10599.4	10486.0	10395.6	10403.2	10424.7	10467.6	10530.5	10504.4	10450.8
55°	13013.6	12734.7	12579.8	12365.2	12228.8	12204.3	12110.8	11982.0	11977.4	11994.3	11833.4
57.5°	16102.3	15985.8	16051.7	16028.7	15893.8	15975.0	15553.5	15433.9	15338.9	15173.4	15024.7
60°	19664.5	19784.1	19920.5	20234.7	20220.9	20536.7	20243.9	20170.4	20081.5	19571.0	19321.2
62.5°	21784.4	21831.9	22032.7	22325.5	22613.7	22915.6	23052.1	23099.6	22914.1	22497.2	21976.0
65°	21415.0	21625.0	21819.7	22072.6	22368.4	22670.4	22958.6	23127.2	23084.2	22808.3	22235.1
67.5°	19736.6	19957.3	20242.4	20507.6	20826.4	21088.5	21404.3	21713.9	21723.1	21585.1	21186.6
70°	17287.1	17543.1	17837.4	17986.1	18331.0	18568.6	18830.7	19137.2	19236.9	19253.7	18789.3
72.5°	14054.4	14161.7	14305.8	14227.6	14296.6	14448.3	14377.8	14402.4	14023.8	14094.3	13521.0
75°	8559.3	8461.2	8025.8	7628.8	7144.5	6772.0	6860.9	6149.7	5449.2	5413.9	4908.1
77.5°	4340.9	4184.6	3914.8	3634.3	3223.5	2752.9	2360.5	1937.5	1580.3	1376.5	1181.8
80°	3697.2	3586.8	3438.1	3234.2	2935.3	2587.4	2178.1	1856.2	1557.3	1246.2	997.9
82.5°	3537.7	3200.5	2984.4	2814.3	2490.8	2168.9	1945.1	1724.4	1512.9	1321.3	1046.9
85°	1755.1	1552.7	1313.6	1164.9	896.7	702.0	657.6	541.1	504.3	389.3	328.0
87.5°	590.1	482.8	360.2	303.5	242.2	197.7	194.7	173.2	171.7	156.3	144.1
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2538.3	2541.4	2541.4	2538.3	2539.9	2536.8	2538.3	2539.9	2535.3	2533.7	2529.2
5°	2601.2	2599.7	2599.7	2601.2	2605.8	2607.3	2599.7	2602.7	2604.3	2596.6	2579.7
7.5°	2705.4	2705.4	2710.0	2708.5	2717.7	2714.6	2713.1	2713.1	2713.1	2697.8	2670.2
10°	2846.4	2846.4	2851.0	2857.2	2858.7	2855.6	2855.6	2857.2	2864.8	2834.2	2791.3
12.5°	3004.3	3012.0	3010.5	3010.5	3028.8	3024.3	3018.1	3024.3	3031.9	2989.0	2927.7
15°	3180.6	3185.2	3188.3	3199.0	3195.9	3206.7	3209.7	3206.7	3214.3	3159.1	3056.4
17.5°	3340.0	3349.2	3352.3	3364.5	3364.5	3366.1	3378.3	3373.7	3375.3	3312.4	3165.3
20°	3471.8	3481.0	3485.6	3499.4	3502.5	3508.6	3513.2	3516.3	3523.9	3448.8	3254.2
22.5°	3603.7	3611.3	3619.0	3628.2	3640.4	3648.1	3654.2	3657.3	3671.1	3583.7	3338.5
25°	3750.8	3767.7	3775.3	3790.7	3802.9	3815.2	3824.4	3825.9	3848.9	3740.1	3407.5
27.5°	3947.0	3970.0	3982.3	4006.8	4019.0	4031.3	4028.2	4046.6	4078.8	3919.4	3461.1
30°	4204.5	4233.6	4241.3	4265.8	4285.8	4298.0	4311.8	4327.1	4348.6	4118.7	3487.2
32.5°	4563.2	4607.7	4618.4	4632.2	4661.3	4682.8	4692.0	4716.5	4722.6	4307.2	3479.5
35°	5055.2	5035.3	5087.4	5099.7	5141.1	5157.9	5168.7	5200.9	5176.3	4512.6	3428.9
37.5°	5499.8	5493.6	5544.2	5571.8	5625.4	5613.2	5639.2	5660.7	5573.3	4658.2	3335.4
40°	6042.4	6034.7	6105.2	6114.4	6197.2	6178.8	6189.5	6206.4	6011.7	4759.4	3165.3
42.5°	6799.6	6802.6	6877.8	6887.0	6897.7	6931.4	6876.2	6879.3	6477.7	4787.0	2884.8
45°	7797.4	7851.1	7805.1	7806.6	7803.6	7739.2	7670.2	7589.0	6962.1	4692.0	2523.0
47.5°	8764.7	8727.9	8669.6	8616.0	8571.5	8470.4	8369.2	8231.2	7380.5	4466.6	2119.9
50°	9592.4	9509.6	9457.5	9308.8	9203.0	9071.2	8930.2	8772.3	7723.9	4141.7	1742.8
52.5°	10361.9	10276.0	10081.3	9926.5	9774.8	9600.0	9436.0	9250.6	8027.4	3770.7	1454.6
55°	11640.2	11565.1	11370.4	11086.9	10899.9	10659.2	10443.1	10191.7	8642.0	3470.3	1264.6
57.5°	14615.4	14551.0	14141.8	13962.4	13715.7	13111.7	13022.8	12630.4	10289.8	3435.0	1152.7
60°	18804.6	18528.7	18188.4	17697.9	17120.0	16920.8	16476.3	15953.6	12941.6	3531.6	1062.2
62.5°	21376.7	20748.2	20248.5	19682.9	19151.0	18694.3	18208.3	17691.8	14298.1	3404.4	950.3
65°	21569.8	20831.0	20170.4	19506.6	18908.8	18340.2	17868.1	17351.5	13856.7	2926.1	804.7
67.5°	20506.0	19727.4	19006.9	18254.3	17650.4	17136.9	16536.0	16039.4	12612.0	2277.8	669.8
70°	18312.6	17628.9	17008.2	16197.3	15696.1	15070.7	14689.0	14068.2	10993.4	1552.7	553.3
72.5°	13189.9	12674.9	12472.5	11906.9	11250.9	10883.0	10706.7	10104.3	8123.9	964.1	452.2
75°	4455.9	4583.1	4291.9	3845.8	4063.5	3727.8	3864.2	3577.6	3436.6	553.3	380.1
77.5°	988.7	928.9	858.4	797.1	792.5	744.9	789.4	746.5	798.6	352.5	335.7
80°	780.2	616.2	524.2	478.2	453.7	439.9	429.2	416.9	380.1	300.4	309.6
82.5°	843.1	636.1	466.0	372.5	318.8	298.9	294.3	282.0	279.0	291.2	312.7
85°	269.8	225.3	191.6	180.9	167.1	159.4	156.3	151.7	183.9	317.3	300.4
87.5°	141.0	124.2	110.4	105.8	92.0	85.8	84.3	85.8	128.8	317.3	217.7
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2524.6	2523.0	2520.0	2518.4	2516.9	2509.2	2515.4
5°	2572.1	2556.7	2542.9	2526.1	2516.9	2509.2	2509.2
7.5°	2644.1	2601.2	2565.9	2527.6	2501.6	2481.6	2478.6
10°	2734.5	2651.8	2570.5	2501.6	2452.5	2415.7	2411.1
12.5°	2820.4	2694.7	2565.9	2452.5	2375.9	2323.8	2320.7
15°	2900.1	2717.7	2530.7	2363.6	2248.6	2179.7	2172.0
17.5°	2962.9	2703.9	2451.0	2239.4	2083.1	2001.9	1997.3
20°	2976.7	2648.7	2337.5	2086.2	1920.6	1834.8	1814.9
22.5°	2964.5	2549.1	2196.5	1917.6	1727.5	1641.6	1630.9
25°	2927.7	2428.0	2021.8	1721.4	1545.1	1457.7	1436.3
27.5°	2861.8	2285.4	1833.3	1531.3	1356.5	1272.2	1250.8
30°	2763.7	2113.8	1632.5	1353.5	1172.6	1105.2	1083.7
32.5°	2627.3	1905.3	1434.7	1171.1	1020.9	967.2	958.0
35°	2438.7	1666.2	1227.8	1020.9	910.5	878.3	873.7
37.5°	2198.1	1427.1	1054.6	913.6	833.9	813.9	810.9
40°	1883.8	1181.8	932.0	836.9	778.7	761.8	758.7
42.5°	1560.4	997.9	841.5	775.6	728.1	712.8	708.2
45°	1276.8	873.7	774.1	725.0	680.6	663.7	662.2
47.5°	1065.3	801.7	718.9	679.0	634.6	614.7	616.2
50°	910.5	735.8	672.9	639.2	588.6	570.2	571.7
52.5°	804.7	669.8	630.0	591.7	548.7	530.4	530.4
55°	722.0	616.2	588.6	547.2	513.5	496.6	495.1
57.5°	654.5	573.3	548.7	515.0	481.3	461.4	461.4
60°	613.1	542.6	522.7	492.0	452.2	430.7	429.2
62.5°	588.6	533.4	516.6	473.6	429.2	407.7	403.1
65°	570.2	554.9	533.4	462.9	410.8	387.8	383.2
67.5°	571.7	605.5	574.8	469.0	404.7	370.9	364.8
70°	580.9	645.3	603.9	482.8	430.7	363.3	349.5
72.5°	535.0	584.0	544.2	459.8	420.0	349.5	332.6
75°	446.1	426.1	390.9	374.0	377.1	317.3	311.2
77.5°	361.7	317.3	283.6	297.4	317.3	271.3	265.2
80°	314.2	257.5	240.7	263.6	288.2	231.5	216.1
82.5°	294.3	217.7	206.9	274.4	302.0	199.3	174.7
85°	259.0	177.8	162.5	323.4	302.0	150.2	139.5
87.5°	173.2	105.8	101.2	237.6	206.9	104.2	84.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)