

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: P158588

Luminaire Tested: **VTS-E08-LED-E1-SL4-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158588  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33714)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E08-LED-E1-SL4-8030  
Description: VENTUS LED SITE LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (168) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

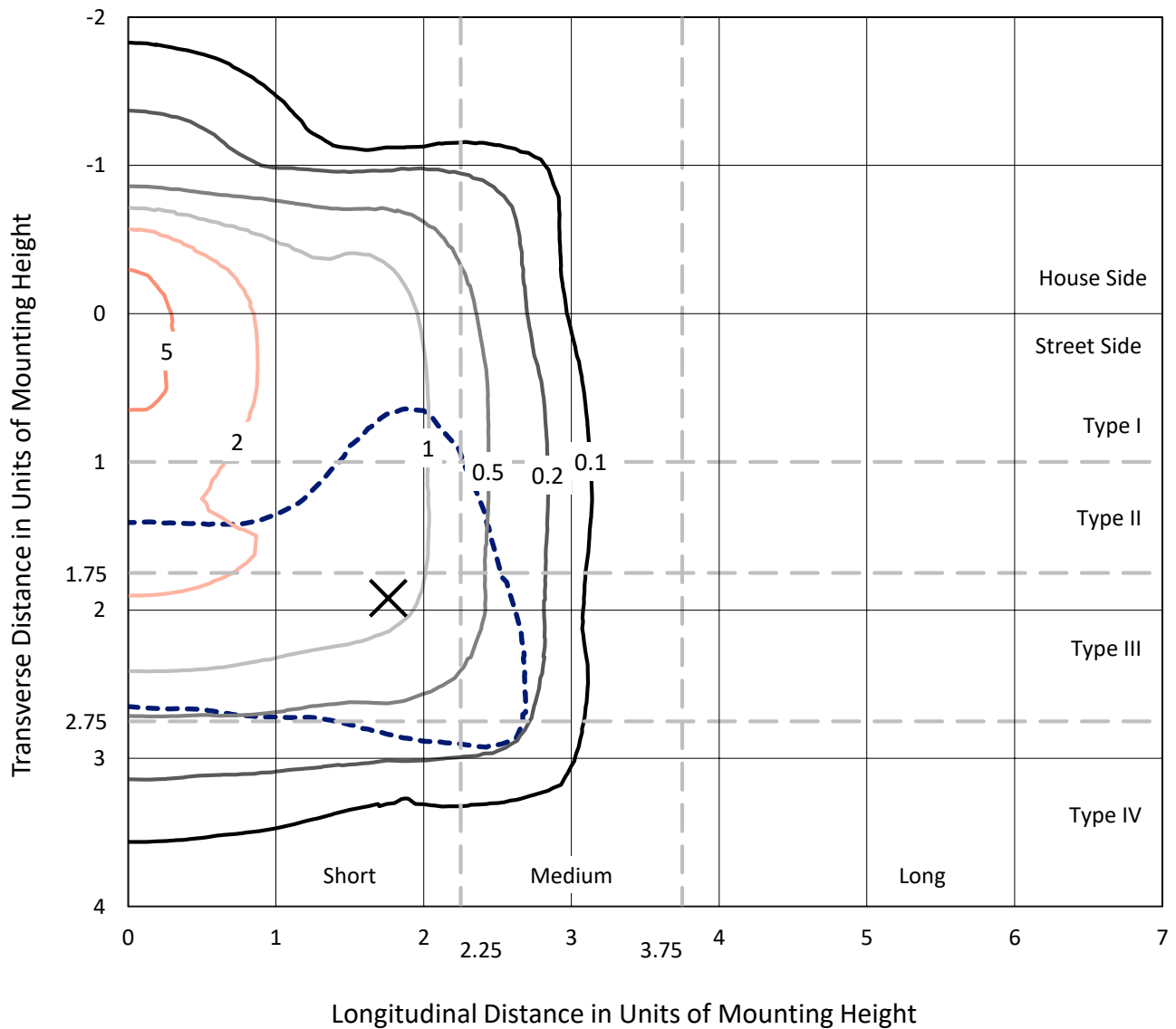
Lumens per Lamp: N/A  
Luminaire Lumens: 19586.9 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 194.5  
Input Voltage (V): NR  
Input 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

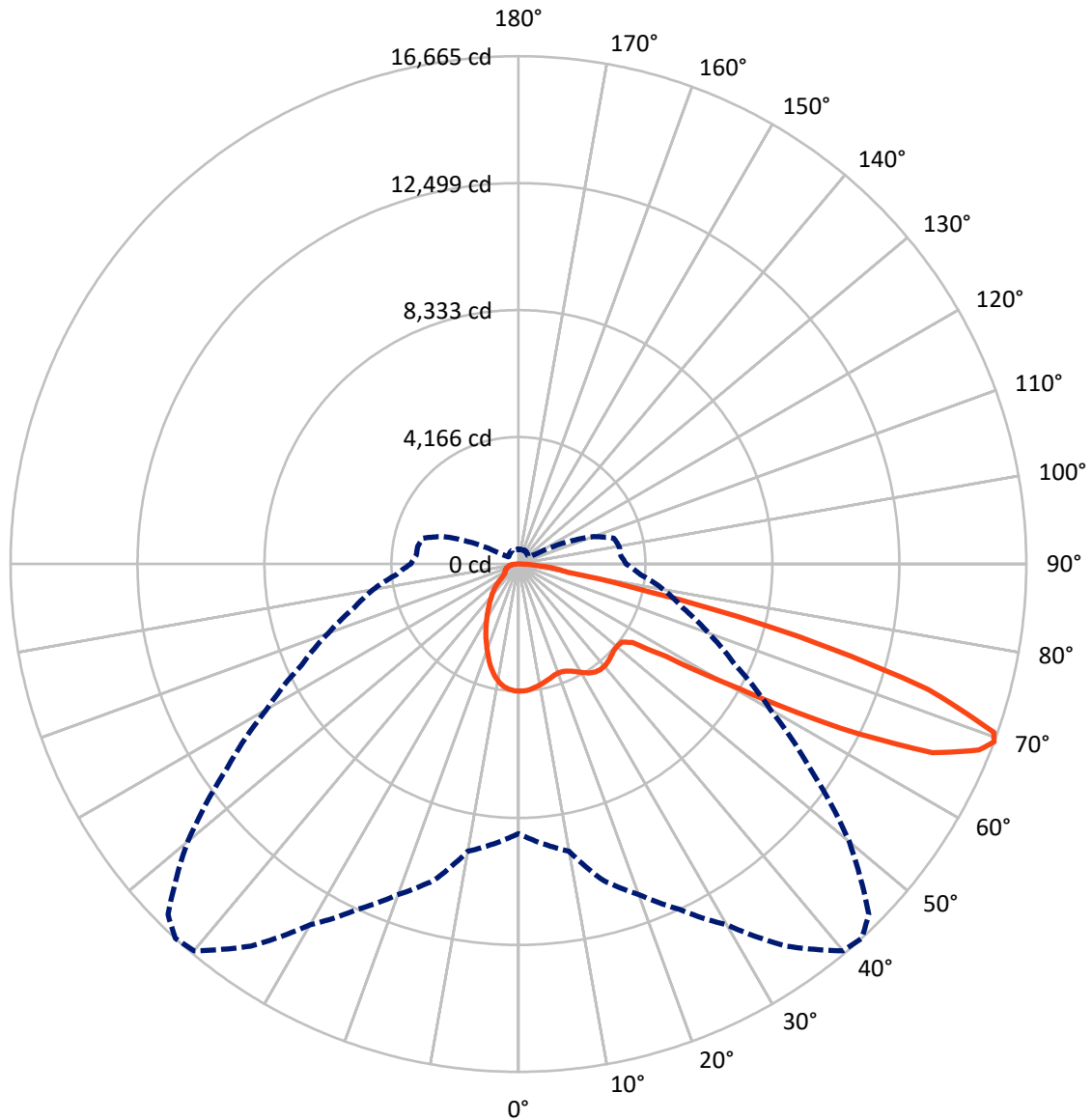


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4354.5	0.0	4354.5
	% Fixture	22.2	0.0	22.2
<b>Street Side</b>	Lumens	15232.4	0.0	15232.4
	% Fixture	77.8	0.0	77.8
<b>Total</b>	Lumens	19586.9	0.0	19586.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.3	2.0
10°-20°	1046.5	5.3
20°-30°	1526.0	7.8
30°-40°	1945.4	9.9
40°-50°	2263.5	11.6
50°-60°	3444.0	17.6
60°-70°	6083.6	31.1
70°-80°	2510.5	12.8
80°-90°	379.1	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°	19586.9	100.0
0°-180°	19586.9	100.0

**Coefficient of Utilization**



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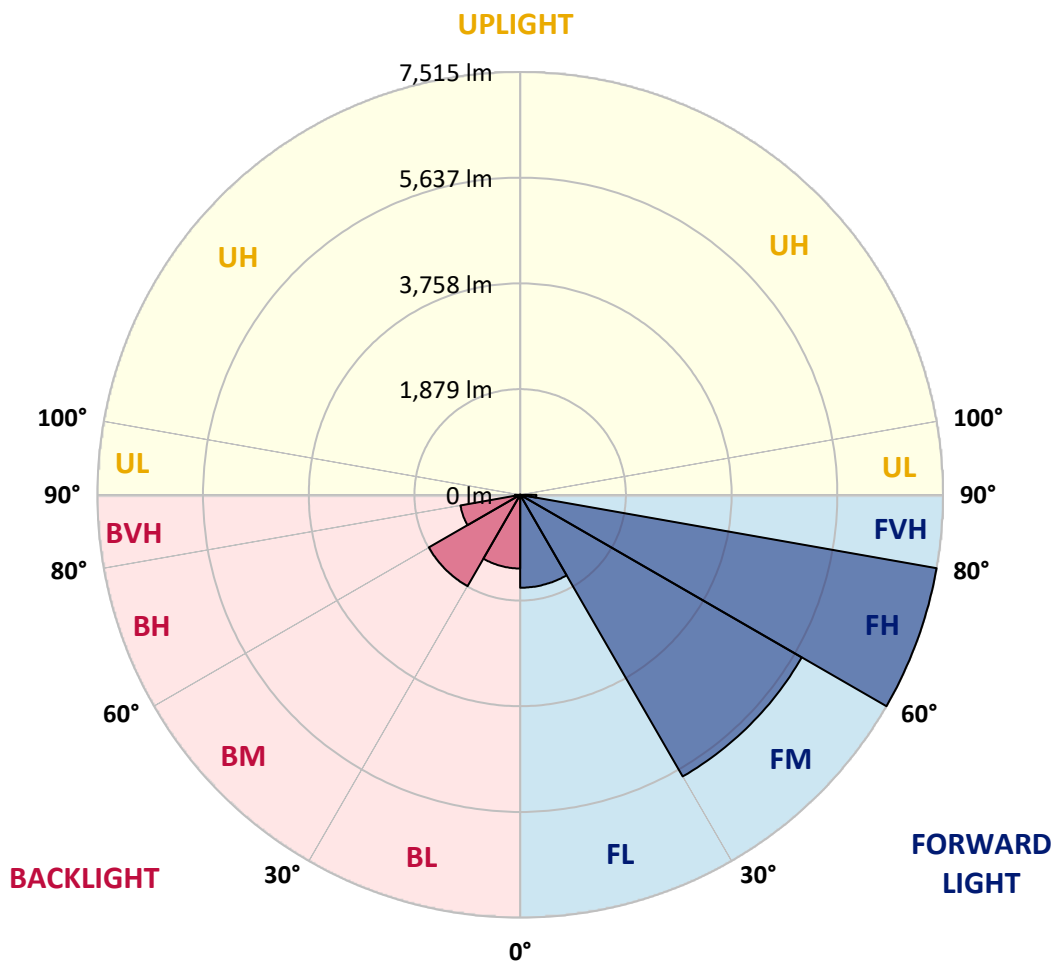
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.7	8.4			
FM (30°-60°)	5778.6	29.5			
FH (60°-80°)	7515.5	38.4			G4/12000
FVH (80°-90°)	286.7	1.5			G3/500
BL (0°-30°)	1309.2	6.7	B3/2500		
BM (30°-60°)	1874.2	9.6	B2/2500		
BH (60°-80°)	1078.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	92.4	0.5			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	42.5°	45°
0°	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3
2.5°	4157.8	4172.7	4167.3	4167.3	4171.3	4164.6	4164.6	4167.3	4160.5	4164.6	4163.2
5°	4143.0	4151.1	4148.4	4148.4	4148.4	4143.0	4140.3	4138.9	4129.5	4129.5	4125.4
7.5°	4110.6	4113.3	4117.3	4111.9	4110.6	4109.2	4099.8	4094.4	4083.6	4074.1	4076.8
10°	4067.4	4066.0	4072.8	4068.7	4063.3	4059.3	4051.2	4041.7	4029.6	4017.4	4016.0
12.5°	4018.7	4017.4	4022.8	4020.1	4016.0	4007.9	4001.2	3985.0	3966.1	3951.2	3949.9
15°	3987.7	3983.6	3989.0	3983.6	3976.9	3968.8	3956.6	3936.4	3902.6	3887.8	3875.6
17.5°	4017.4	4010.6	4013.3	4006.6	3997.1	3975.5	3947.2	3904.0	3855.4	3829.7	3810.8
20°	4121.4	4109.2	4111.9	4105.2	4083.6	4055.2	4001.2	3925.6	3843.2	3801.3	3771.6
22.5°	4269.9	4260.5	4264.5	4257.8	4236.2	4192.9	4111.9	4003.9	3886.4	3825.6	3778.4
25°	4495.4	4503.5	4506.2	4475.2	4463.0	4383.4	4271.3	4121.4	3964.7	3893.2	3828.3
27.5°	4749.3	4749.3	4761.5	4749.3	4725.0	4631.8	4473.8	4292.9	4091.7	3994.4	3916.1
30°	4996.4	4993.7	5016.7	5014.0	4974.8	4869.5	4689.9	4469.8	4240.2	4130.8	4030.9
32.5°	5258.4	5266.5	5281.4	5276.0	5224.6	5078.8	4862.7	4623.7	4382.0	4261.8	4149.7
35°	5542.0	5546.0	5551.4	5548.7	5444.8	5261.1	4989.7	4722.3	4471.1	4352.3	4236.2
37.5°	5825.6	5821.5	5814.8	5756.7	5637.9	5382.6	5066.6	4779.0	4515.7	4387.4	4267.2
40°	6079.4	6056.5	6034.9	5944.4	5762.1	5451.5	5096.4	4792.5	4511.6	4379.3	4261.8
42.5°	6218.5	6192.9	6148.3	6034.9	5813.4	5458.3	5076.1	4752.0	4469.8	4338.8	4222.7
45°	6244.2	6225.3	6182.1	6055.1	5801.3	5415.0	5014.0	4685.8	4407.7	4276.7	4167.3
47.5°	6183.4	6168.6	6126.7	6001.1	5748.6	5350.2	4942.4	4615.6	4346.9	4224.0	4118.7
50°	6090.2	6076.7	6044.3	5929.5	5689.2	5305.7	4906.0	4579.2	4326.6	4214.6	4117.3
52.5°	6241.5	6252.3	6157.8	6032.2	5752.6	5344.8	4946.5	4617.0	4363.1	4252.4	4151.1
55°	8592.5	8577.6	8009.1	7532.5	6680.4	5907.9	5331.3	4916.8	4645.3	4534.6	4440.1
57.5°	11165.0	11113.7	10880.1	10434.4	9518.9	8296.8	7185.4	6240.1	5867.4	5708.1	5718.9
60°	12004.9	12023.8	11973.9	11815.9	11487.7	10851.7	10006.4	9296.1	8596.6	8254.9	8294.1
62.5°	12470.8	12504.6	12547.8	12512.7	12406.0	12258.8	12152.1	12216.9	12119.7	11873.9	11678.1
65°	12535.6	12604.5	12747.6	12861.1	12916.4	13055.5	13382.3	14165.5	14881.2	14928.5	14584.2
67.5°	11252.8	11443.2	11753.8	12279.1	12728.7	13223.0	14011.6	15202.6	16258.6	16293.8	15972.4
69°	8847.7	9213.7	9576.9	10750.4	11540.4	12508.6	13675.4	15302.6	16567.9	16665.1	16260.0
70°	7089.5	7306.9	7620.2	8799.1	9979.3	11213.6	12904.3	14973.1	16355.9	16551.7	16104.7
72.5°	4256.4	4340.1	4448.2	4870.8	5478.5	6577.7	8819.4	12207.5	13796.9	14058.9	13490.4
75°	2752.1	2746.7	2756.1	2873.6	2908.7	3119.4	3825.6	6280.6	9000.3	9475.7	8795.1
77.5°	2072.8	2091.7	2062.0	2072.8	2063.4	2120.1	2141.7	2248.4	3552.9	4376.6	3913.4
80°	1829.8	1839.2	1840.6	1835.2	1769.0	1763.6	1798.7	1737.9	1615.1	1639.4	1570.5
82.5°	1043.8	1042.5	1054.7	1146.5	1184.3	1308.5	1359.8	1388.2	1281.5	1201.8	1087.1
85°	676.5	681.9	695.4	723.8	695.4	706.3	694.1	718.4	659.0	611.7	546.9
87.5°	276.8	276.8	294.4	320.0	298.4	293.0	251.2	248.5	210.7	190.4	148.5
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3
2.5°	4155.1	4163.2	4159.2	4164.6	4160.5	4160.5	4155.1	4153.8	4157.8	4152.4	4153.8
5°	4118.7	4120.0	4113.3	4116.0	4107.9	4105.2	4101.1	4090.3	4097.1	4090.3	4093.0
7.5°	4066.0	4062.0	4052.5	4039.0	4029.6	4025.5	4017.4	4002.5	4005.2	3993.1	3999.8
10°	3998.5	3985.0	3968.8	3948.5	3935.0	3922.9	3905.3	3887.8	3878.3	3867.5	3866.2
12.5°	3922.9	3906.7	3885.1	3854.0	3824.3	3804.0	3777.0	3746.0	3736.5	3719.0	3709.5
15°	3840.5	3814.8	3789.2	3754.1	3721.7	3690.6	3654.1	3615.0	3589.3	3562.3	3542.1
17.5°	3766.2	3736.5	3702.8	3669.0	3633.9	3596.1	3550.2	3501.5	3463.7	3413.8	3373.3
20°	3708.2	3670.3	3636.6	3601.5	3562.3	3516.4	3461.0	3398.9	3335.5	3280.1	3232.8
22.5°	3685.2	3625.8	3585.3	3550.2	3511.0	3457.0	3389.5	3316.5	3239.6	3162.6	3100.5
25°	3704.1	3616.3	3552.9	3511.0	3477.2	3421.9	3346.3	3257.1	3168.0	3076.2	2992.5
27.5°	3759.5	3647.4	3555.6	3489.4	3450.2	3394.9	3315.2	3220.7	3115.3	3012.7	2910.1
30°	3845.9	3700.1	3583.9	3490.7	3430.0	3366.5	3282.8	3173.4	3066.7	2949.2	2837.2
32.5°	3929.6	3755.4	3616.3	3496.1	3403.0	3320.6	3227.4	3119.4	3004.6	2881.7	2765.6
35°	3989.0	3791.9	3628.5	3484.0	3361.1	3258.5	3158.6	3050.5	2938.4	2812.9	2694.0
37.5°	4017.4	3812.1	3629.8	3451.6	3305.7	3192.3	3085.6	2979.0	2873.6	2754.8	2642.7
40°	4016.0	3810.8	3610.9	3409.7	3239.6	3119.4	3014.1	2910.1	2811.5	2707.5	2606.2
42.5°	3986.3	3789.2	3583.9	3369.2	3192.3	3058.6	2949.2	2849.3	2765.6	2673.8	2588.7
45°	3940.4	3752.7	3555.6	3350.3	3178.8	3045.1	2929.0	2831.8	2757.5	2673.8	2600.8
47.5°	3905.3	3732.5	3559.6	3384.1	3220.7	3081.6	2958.7	2852.0	2788.5	2721.0	2669.7
50°	3910.7	3741.9	3573.1	3404.3	3250.4	3109.9	2991.1	2893.9	2848.0	2830.4	2818.3
52.5°	3939.1	3756.8	3613.6	3512.4	3459.7	3354.4	3284.1	3223.4	3257.1	3191.0	3112.6
55°	4301.0	4241.6	4380.7	4511.6	4677.7	4739.9	4680.4	4669.6	4723.6	4499.5	3985.0
57.5°	5795.9	5949.8	6164.5	6277.9	6415.7	6379.2	6241.5	6126.7	5991.7	5729.7	5088.3
60°	8338.6	8222.5	8125.3	7851.1	7627.0	7365.0	7073.3	6823.5	6584.5	6207.7	5513.6
62.5°	10958.4	10152.2	9478.4	8827.5	8303.5	7868.7	7446.0	7070.6	6708.7	6183.4	5436.7
65°	13224.3	11526.9	10261.6	9306.9	8541.2	7880.8	7338.0	6819.4	6359.0	5743.2	5004.5
67.5°	14242.5	12115.7	10275.1	8907.1	7847.1	6950.4	6248.2	5465.0	4949.2	4554.9	4138.9
69°	14166.9	11666.0	9541.8	7857.9	6639.8	5594.6	4841.1	4024.1	3529.9	3362.5	3353.0
70°	13807.7	10904.4	8685.7	7005.8	5612.2	4573.8	3851.3	3118.0	2657.6	2542.8	2746.7
72.5°	11273.0	7705.3	5443.4	4156.5	3196.4	2526.6	2060.7	1635.3	1305.8	1131.6	1169.4
75°	6367.1	3567.7	2306.5	1743.3	1473.3	1218.0	1045.2	891.3	806.2	654.9	518.5
77.5°	2314.6	1531.3	1218.0	1053.3	746.8	514.5	430.8	376.8	341.6	341.6	325.4
80°	1463.8	1153.2	804.8	551.0	407.8	355.2	310.6	272.8	251.2	245.8	251.2
82.5°	914.2	706.3	451.0	345.7	290.3	260.6	226.9	198.5	181.0	176.9	185.0
85°	451.0	349.7	274.1	244.4	229.6	213.4	187.7	160.7	155.3	166.1	194.5
87.5°	135.0	120.2	98.6	102.6	108.0	105.3	83.7	72.9	68.9	90.5	141.8
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3	4171.3
2.5°	4156.5	4155.1	4157.8	4153.8	4156.5	4157.8	4155.1	4167.3	4159.2	4160.5	4165.9
5°	4095.7	4093.0	4103.8	4101.1	4106.5	4111.9	4109.2	4126.8	4120.0	4125.4	4136.2
7.5°	3994.4	3999.8	4001.2	4001.2	4012.0	4029.6	4033.6	4044.4	4044.4	4059.3	4070.1
10°	3859.4	3860.8	3868.9	3867.5	3881.0	3899.9	3902.6	3921.5	3928.3	3952.6	3967.4
12.5°	3702.8	3696.0	3694.7	3693.3	3710.9	3731.1	3733.8	3766.2	3779.7	3801.3	3825.6
15°	3527.2	3509.7	3504.3	3515.1	3511.0	3523.2	3535.3	3552.9	3571.8	3615.0	3636.6
17.5°	3355.7	3320.6	3311.1	3299.0	3286.8	3286.8	3292.2	3313.8	3353.0	3376.0	3424.6
20°	3180.2	3138.3	3104.5	3072.1	3043.8	3033.0	3034.3	3061.3	3089.7	3127.5	3173.4
22.5°	3033.0	2969.5	2911.4	2868.2	2810.2	2808.8	2800.7	2808.8	2839.9	2849.3	2875.0
25°	2906.0	2821.0	2742.6	2672.4	2615.7	2586.0	2577.9	2575.2	2560.3	2556.3	2537.4
27.5°	2807.5	2704.8	2603.5	2518.5	2448.2	2407.7	2356.4	2320.0	2267.3	2253.8	2220.0
30°	2726.4	2615.7	2505.0	2394.2	2314.6	2241.6	2155.2	2091.7	2010.7	1958.1	1912.1
32.5°	2648.1	2536.0	2423.9	2314.6	2191.7	2078.2	1964.8	1866.2	1775.8	1694.7	1627.2
35°	2583.3	2476.6	2363.2	2230.8	2074.2	1910.8	1774.4	1662.3	1538.1	1453.0	1367.9
37.5°	2541.4	2444.2	2330.8	2148.5	1947.3	1771.7	1616.4	1480.0	1353.1	1224.8	1128.9
40°	2522.5	2437.4	2295.7	2072.8	1836.5	1642.1	1470.6	1319.3	1157.3	1012.8	910.2
42.5°	2521.2	2434.7	2247.0	1989.1	1744.7	1532.7	1342.3	1161.3	981.7	833.2	731.9
45°	2545.5	2430.7	2195.7	1918.9	1663.7	1442.2	1215.3	995.2	794.0	683.3	629.3
47.5°	2610.3	2437.4	2153.9	1854.1	1586.7	1332.8	1069.5	812.9	646.8	595.5	595.5
50°	2726.4	2476.6	2143.1	1808.2	1509.7	1205.9	891.3	656.3	572.6	572.6	588.8
52.5°	2904.7	2559.0	2162.0	1775.8	1413.9	1038.4	702.2	565.8	549.6	564.5	586.1
55°	3315.2	2704.8	2187.6	1720.4	1268.0	823.7	579.3	534.8	541.5	559.1	579.3
57.5°	4068.7	3016.8	2214.6	1598.9	1033.0	634.7	525.3	522.6	534.8	551.0	568.5
60°	4564.3	3413.8	2283.5	1415.2	781.9	523.9	498.3	514.5	529.4	542.9	556.4
62.5°	4564.3	3525.9	2334.8	1209.9	587.4	476.7	480.7	506.4	523.9	530.7	538.8
65°	4272.6	3320.6	2160.6	985.8	478.0	449.7	464.5	490.2	506.4	511.8	518.5
67.5°	3733.8	2933.0	1820.3	742.7	426.7	426.7	445.6	464.5	478.0	488.8	499.6
69°	3246.3	2631.9	1602.9	629.3	406.5	409.2	428.1	444.3	460.5	474.0	487.5
70°	2895.2	2406.4	1451.7	571.2	394.3	395.7	414.6	432.1	447.0	461.8	478.0
72.5°	1550.2	1662.3	1103.3	468.6	363.3	367.3	384.9	401.1	414.6	429.4	444.3
75°	528.0	714.4	702.2	383.5	328.1	338.9	349.7	364.6	382.2	391.6	399.7
77.5°	309.2	320.0	374.1	311.9	295.7	301.1	313.3	325.4	340.3	349.7	356.5
80°	259.3	257.9	259.3	253.9	257.9	270.1	278.2	294.4	307.9	310.6	309.2
82.5°	210.7	221.5	222.8	220.1	232.3	241.7	248.5	257.9	256.6	259.3	264.7
85°	187.7	186.4	195.8	197.2	197.2	190.4	191.8	191.8	191.8	195.8	197.2
87.5°	187.7	156.6	121.5	109.4	114.8	108.0	102.6	101.3	112.1	122.9	120.2
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):**

	160°	165°	170°	175°	180°
0°	4171.3	4171.3	4171.3	4171.3	4171.3
2.5°	4168.6	4172.7	4170.0	4170.0	4172.7
5°	4140.3	4147.0	4144.3	4147.0	4147.0
7.5°	4075.5	4084.9	4091.7	4098.4	4094.4
10°	3982.3	3998.5	4009.3	4017.4	4013.3
12.5°	3843.2	3858.1	3881.0	3894.5	3883.7
15°	3652.8	3694.7	3708.2	3727.1	3716.3
17.5°	3454.3	3479.9	3496.1	3513.7	3524.5
20°	3189.6	3209.9	3231.5	3239.6	3227.4
22.5°	2870.9	2881.7	2877.7	2889.8	2865.5
25°	2521.2	2527.9	2523.9	2534.7	2514.4
27.5°	2190.3	2189.0	2190.3	2176.8	2163.3
30°	1871.6	1859.5	1854.1	1833.8	1829.8
32.5°	1586.7	1544.8	1523.2	1493.5	1486.8
35°	1301.8	1242.4	1203.2	1169.4	1154.6
37.5°	1046.5	975.0	929.1	899.4	895.3
40°	827.8	761.6	729.2	713.0	710.3
42.5°	675.2	646.8	638.7	638.7	638.7
45°	615.8	614.4	621.2	626.6	627.9
47.5°	603.6	611.7	621.2	629.3	632.0
50°	603.6	611.7	618.5	626.6	629.3
52.5°	600.9	607.7	610.4	615.8	618.5
55°	592.8	596.9	596.9	599.6	602.3
57.5°	579.3	582.0	578.0	580.7	587.4
60°	565.8	568.5	561.8	568.5	572.6
62.5°	551.0	552.3	549.6	555.0	555.0
65°	526.7	523.9	528.0	532.1	533.4
67.5°	502.3	495.6	499.6	501.0	503.7
69°	483.4	479.4	480.7	483.4	486.1
70°	469.9	467.2	469.9	474.0	478.0
72.5°	436.2	437.5	447.0	455.1	463.2
75°	405.1	414.6	426.7	444.3	453.7
77.5°	367.3	374.1	383.5	402.4	420.0
80°	317.3	321.4	322.7	329.5	328.1
82.5°	257.9	253.9	251.2	248.5	247.1
85°	185.0	183.7	172.8	164.7	164.7
87.5°	110.7	105.3	99.9	93.2	89.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)