

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: P159475

Luminaire Tested: **VTS-F08-LED-E1-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159475  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33706)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-F08-LED-E1-T3  
Description: VENTUS LED SITE LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (56) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

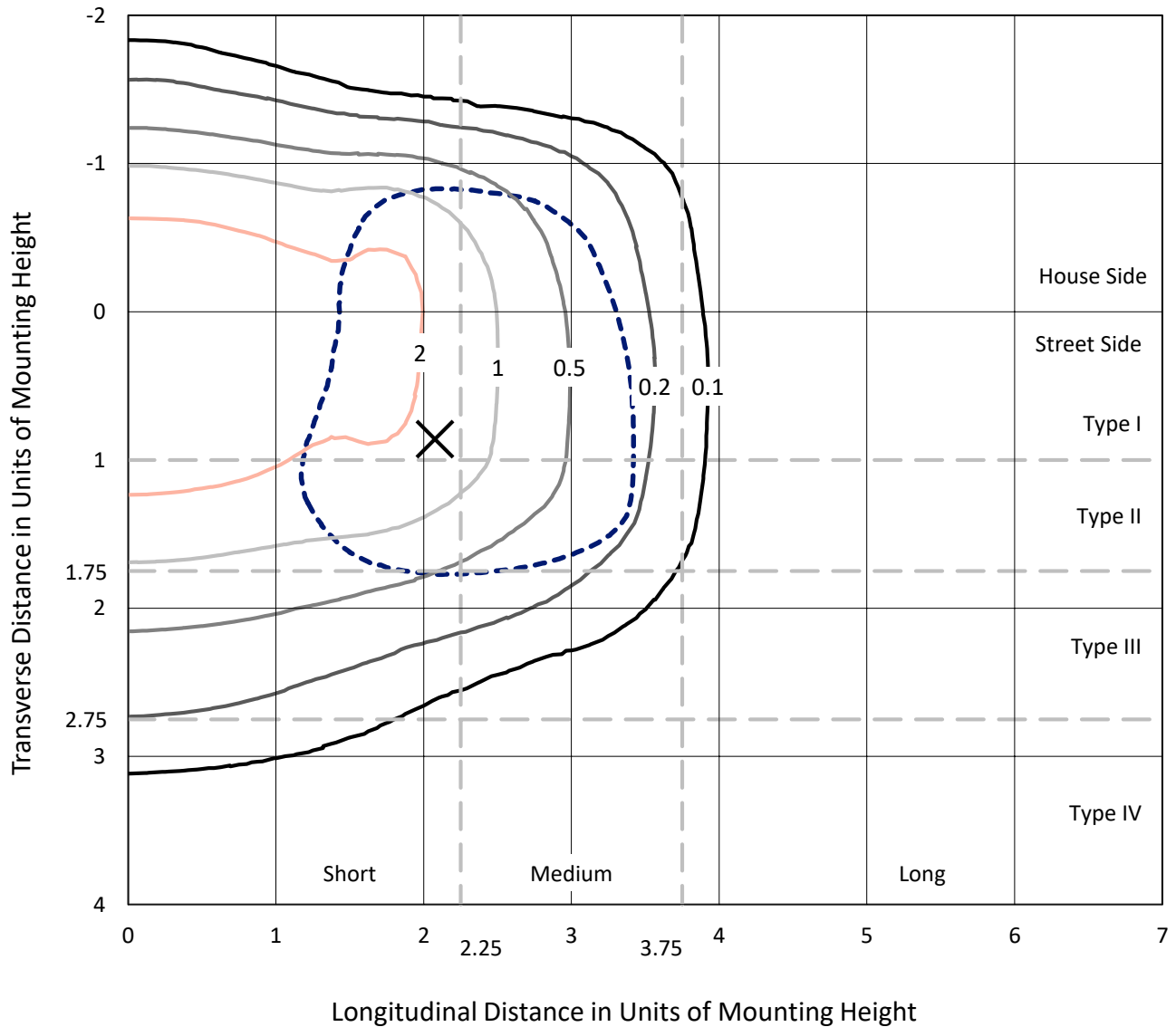
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20198 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 204.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

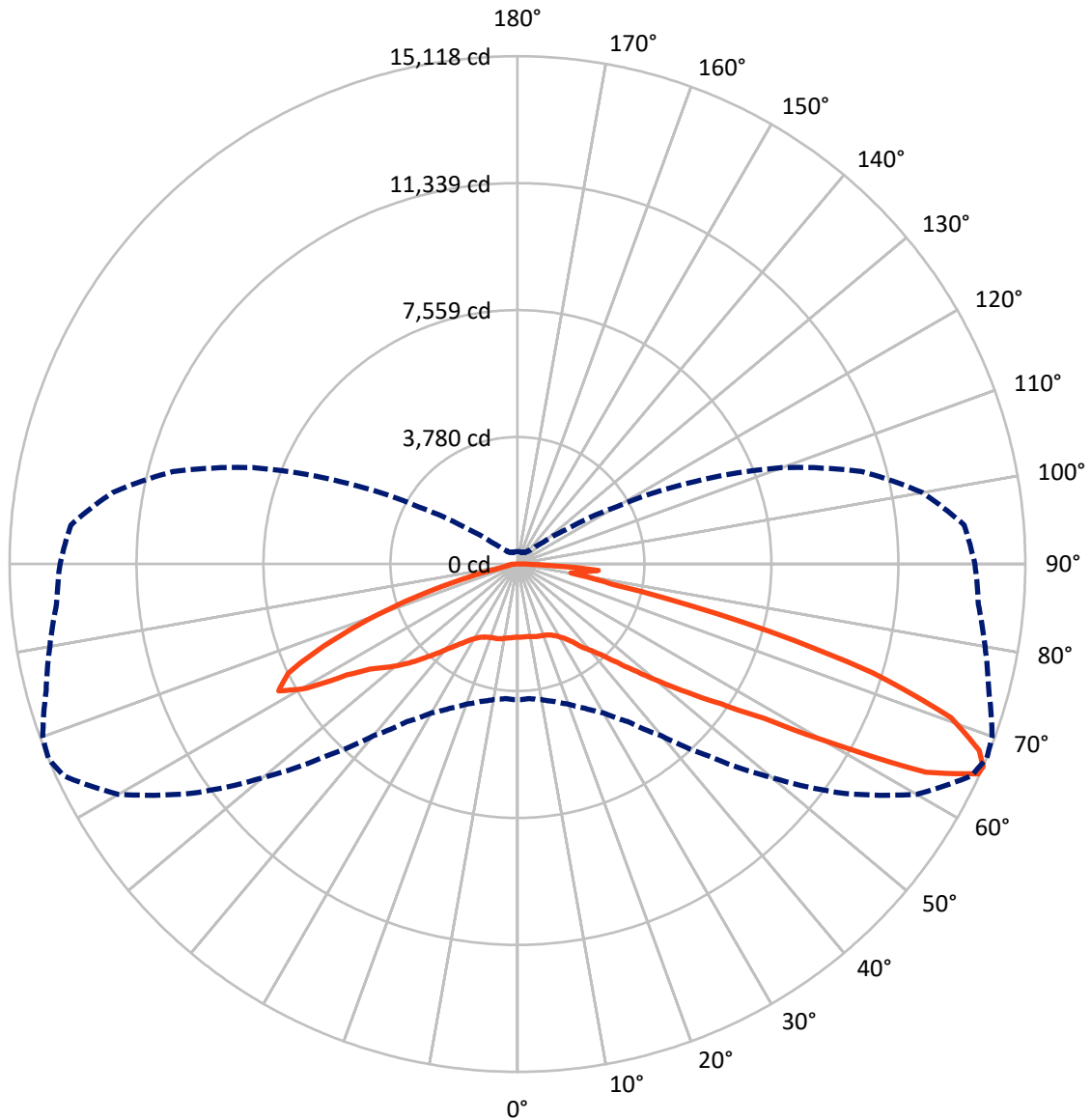
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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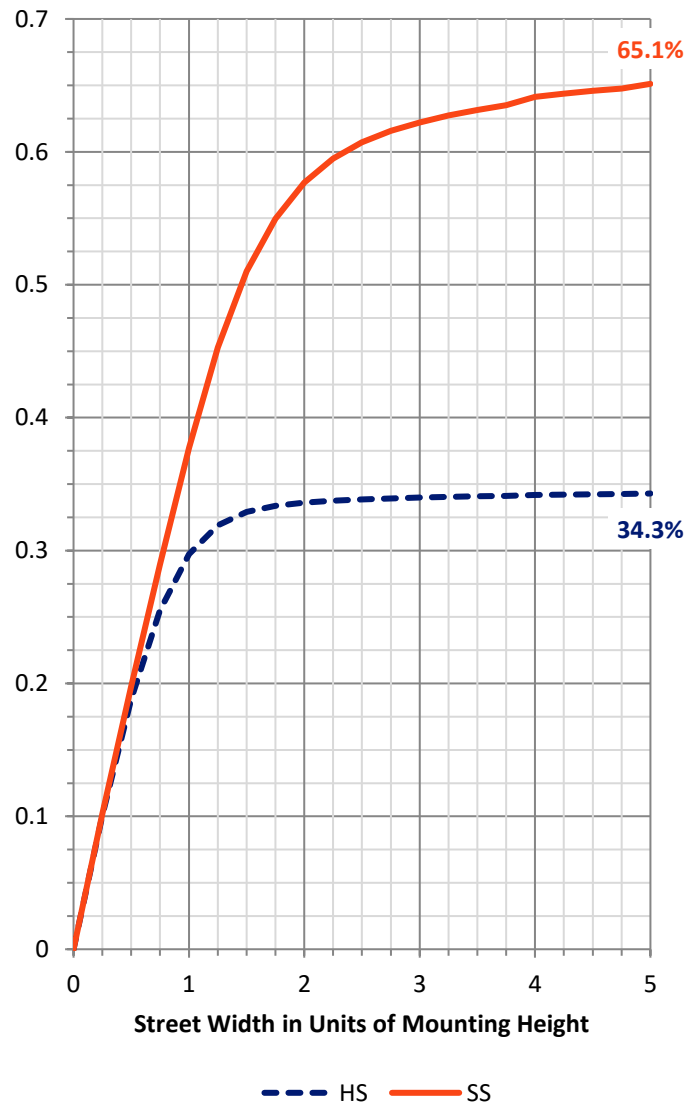
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6989.4	0.0	6989.4
	% Fixture	34.6	0.0	34.6
<b>Street Side</b>	Lumens	13208.6	0.0	13208.6
	% Fixture	65.4	0.0	65.4
<b>Total</b>	Lumens	20198.0	0.0	20198.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.1	1.0
10°-20°	619.3	3.1
20°-30°	1064.5	5.3
30°-40°	1720.5	8.5
40°-50°	2851.3	14.1
50°-60°	4474.8	22.2
60°-70°	6117.9	30.3
70°-80°	2690.4	13.3
80°-90°	450.3	2.2
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°	20198.0	100.0
0°-180°	20198.0	100.0



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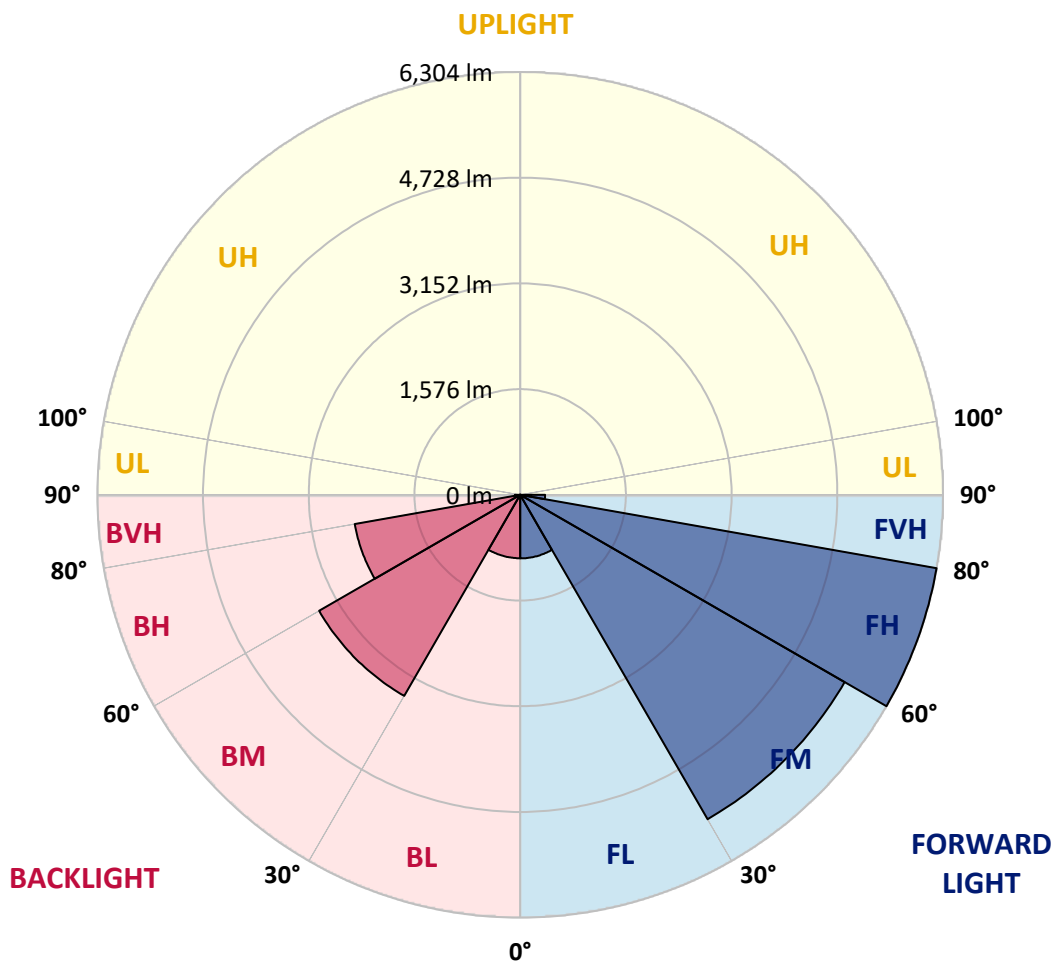
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	947.5	4.7			
FM	(30°-60°)	5585.4	27.7			
FH	(60°-80°)	6304.3	31.2			G3/7500
FVH	(80°-90°)	371.5	1.8			G3/500
BL	(0°-30°)	945.5	4.7	B2/1000		
BM	(30°-60°)	3461.1	17.1	B3/5000		
BH	(60°-80°)	2504.0	12.4	B4/5000		G4/5000
BVH	(80°-90°)	78.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4
2.5°	2175.4	2175.4	2176.7	2175.4	2175.4	2174.1	2179.4	2179.4	2179.4	2178.1	2182.0
5°	2170.1	2170.1	2171.5	2171.5	2172.8	2171.5	2175.4	2176.7	2176.7	2176.7	2180.7
7.5°	2156.9	2160.9	2158.3	2159.6	2160.9	2164.9	2170.1	2172.8	2175.4	2179.4	2180.7
10°	2129.2	2135.8	2134.5	2138.4	2139.8	2151.6	2155.6	2160.9	2170.1	2175.4	2179.4
12.5°	2090.9	2094.9	2096.2	2101.5	2106.7	2121.3	2131.8	2141.1	2154.3	2167.5	2180.7
15°	2060.5	2063.2	2063.2	2068.4	2076.4	2089.6	2102.8	2118.6	2138.4	2160.9	2182.0
17.5°	2069.8	2076.4	2071.1	2069.8	2072.4	2080.3	2092.2	2105.4	2129.2	2154.3	2179.4
20°	2130.5	2131.8	2129.2	2122.6	2117.3	2118.6	2118.6	2121.3	2135.8	2155.6	2175.4
22.5°	2180.7	2186.0	2184.7	2186.0	2184.7	2190.0	2187.3	2182.0	2176.7	2178.1	2187.3
25°	2224.3	2229.6	2229.6	2233.5	2240.1	2250.7	2258.6	2257.3	2249.4	2238.8	2234.9
27.5°	2295.6	2295.6	2295.6	2299.6	2308.8	2322.0	2335.2	2343.2	2349.8	2339.2	2316.8
30°	2407.9	2409.2	2405.2	2406.6	2413.2	2430.3	2446.2	2458.1	2471.3	2470.0	2440.9
32.5°	2530.7	2536.0	2534.7	2540.0	2549.2	2565.1	2582.2	2600.7	2617.9	2628.5	2610.0
35°	2689.2	2694.5	2695.8	2703.8	2714.3	2738.1	2761.9	2785.7	2804.1	2812.1	2808.1
37.5°	2949.4	2950.8	2945.5	2933.6	2937.5	2956.0	2983.8	3022.1	3034.0	3041.9	3060.4
40°	3339.1	3335.1	3314.0	3303.4	3296.8	3304.7	3299.5	3329.8	3357.6	3358.9	3357.6
42.5°	3811.9	3800.1	3780.2	3777.6	3775.0	3772.3	3757.8	3759.1	3784.2	3790.8	3782.9
45°	4282.2	4267.6	4253.1	4266.3	4250.5	4291.4	4303.3	4335.0	4339.0	4352.2	4332.4
47.5°	4667.8	4669.2	4669.2	4687.7	4719.4	4797.3	4867.3	4928.1	4950.5	4982.2	4986.2
50°	4959.8	4967.7	4992.8	5052.2	5119.6	5250.3	5367.9	5477.5	5576.6	5613.6	5711.3
52.5°	5130.1	5151.3	5204.1	5303.2	5423.4	5592.4	5777.4	5963.6	6135.3	6280.6	6396.8
55°	5099.8	5115.6	5208.1	5362.6	5550.2	5777.4	6036.2	6305.7	6573.8	6819.5	7009.7
57.5°	4904.3	4914.8	5007.3	5181.7	5415.4	5720.6	6086.4	6486.6	6863.1	7259.3	7584.3
60°	4648.0	4663.9	4749.7	4887.1	5131.5	5456.4	5880.4	6423.2	7024.2	7647.7	8255.2
62.5°	4484.3	4480.3	4555.6	4678.4	4862.0	5156.6	5564.7	6207.9	7040.1	8094.1	9294.8
65°	4212.2	4200.3	4278.2	4418.2	4617.7	4903.0	5290.0	5908.1	6873.7	8263.2	9965.7
66°	4043.1	4019.3	4097.2	4238.6	4438.0	4741.8	5113.0	5723.2	6671.6	8098.1	9894.4
67.5°	3747.2	3735.3	3772.3	3883.3	4031.2	4316.5	4703.5	5317.7	6193.4	7601.4	9371.4
70°	3045.9	3019.4	3048.5	3098.7	3155.5	3225.5	3463.2	3950.6	4691.6	6056.1	7549.9
72.5°	2075.0	2061.8	2116.0	2192.6	2344.5	2415.8	2509.6	2588.8	2850.4	3817.2	5266.2
75°	1578.4	1586.3	1655.0	1781.8	1977.3	2188.6	2394.7	2470.0	2382.8	2307.5	2989.1
77.5°	885.0	931.2	1014.4	1175.5	1382.9	1681.4	2040.7	2436.9	2635.1	2586.2	2418.5
80°	364.6	357.9	398.9	487.4	558.7	803.1	1228.4	1725.0	2282.4	2635.1	2579.6
82.5°	101.7	104.3	134.7	173.0	223.2	284.0	443.8	713.3	1162.3	1808.2	2366.9
85°	31.7	31.7	43.6	64.7	76.6	88.5	112.3	184.9	315.7	630.0	1277.3
87.5°	6.6	6.6	9.2	18.5	19.8	19.8	25.1	34.3	30.4	27.7	124.2
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):**

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4
2.5°	2178.1	2175.4	2176.7	2178.1	2176.7	2176.7	2175.4	2174.1	2175.4	2175.4	2179.4
5°	2176.7	2175.4	2176.7	2176.7	2176.7	2178.1	2178.1	2178.1	2182.0	2182.0	2188.6
7.5°	2179.4	2179.4	2182.0	2182.0	2182.0	2182.0	2183.3	2186.0	2192.6	2191.3	2203.2
10°	2184.7	2187.3	2193.9	2195.2	2195.2	2199.2	2201.8	2207.1	2213.7	2216.4	2226.9
12.5°	2191.3	2204.5	2216.4	2219.0	2223.0	2229.6	2233.5	2236.2	2248.1	2252.0	2265.2
15°	2199.2	2217.7	2232.2	2237.5	2242.8	2250.7	2256.0	2260.0	2270.5	2275.8	2291.7
17.5°	2200.5	2221.7	2238.8	2246.7	2253.4	2262.6	2270.5	2278.4	2290.3	2298.3	2314.1
20°	2199.2	2226.9	2253.4	2263.9	2270.5	2287.7	2299.6	2310.1	2324.7	2332.6	2348.5
22.5°	2213.7	2245.4	2281.1	2294.3	2304.9	2328.6	2344.5	2361.7	2380.2	2385.4	2397.3
25°	2248.1	2281.1	2326.0	2344.5	2363.0	2394.7	2417.1	2442.2	2460.7	2463.4	2467.3
27.5°	2306.2	2336.6	2390.7	2418.5	2448.8	2493.7	2526.8	2551.9	2578.3	2578.3	2575.6
30°	2423.7	2430.3	2487.1	2522.8	2567.7	2633.8	2682.6	2710.4	2730.2	2730.2	2707.7
32.5°	2575.6	2567.7	2619.2	2657.5	2719.6	2812.1	2878.1	2899.2	2920.4	2913.8	2875.5
35°	2794.9	2772.4	2801.5	2859.6	2929.6	3056.4	3125.1	3172.7	3185.9	3167.4	3106.6
37.5°	3071.0	3068.3	3082.8	3147.6	3225.5	3389.3	3459.3	3489.7	3479.1	3446.1	3339.1
40°	3362.9	3354.9	3345.7	3389.3	3476.5	3673.3	3797.4	3813.3	3798.7	3749.9	3615.1
42.5°	3752.5	3752.5	3708.9	3720.8	3793.5	4014.0	4160.6	4210.8	4212.2	4140.8	3961.2
45°	4288.8	4283.5	4206.9	4188.4	4243.9	4460.5	4649.4	4677.1	4677.1	4583.3	4386.5
47.5°	4933.3	4926.7	4851.4	4786.7	4797.3	5031.1	5188.3	5230.5	5193.5	5123.5	4889.7
50°	5659.8	5647.9	5571.3	5510.5	5484.1	5720.6	5854.0	5873.8	5819.6	5736.4	5482.8
52.5°	6396.8	6432.5	6387.6	6354.6	6363.8	6517.0	6654.4	6560.6	6532.9	6443.1	6188.1
55°	7164.2	7273.9	7372.9	7343.9	7378.2	7527.5	7553.9	7429.7	7379.5	7314.8	7030.8
57.5°	7936.9	8256.6	8581.5	8672.6	8757.2	8971.1	8940.8	8737.4	8775.7	8872.1	8552.4
60°	9016.1	9939.3	10763.5	10915.4	11178.3	11360.5	11401.5	11361.9	11540.2	11490.0	11207.3
62.5°	10673.7	12212.5	13359.0	13644.3	13908.4	13899.2	13760.5	13617.9	13793.5	13793.5	13055.2
65°	11857.2	13603.3	14830.4	15066.8	15056.3	14737.9	14410.4	14125.1	14100.0	13904.5	12825.4
66°	11912.7	13710.3	14912.3	15118.3	15039.1	14526.6	14134.3	13772.4	13617.9	13345.8	12240.2
67.5°	11413.4	13407.8	14645.5	14825.1	14616.4	13882.0	13341.8	12857.1	12632.5	12174.2	11133.4
70°	9362.1	11523.0	13323.3	13690.5	13454.1	12524.2	11784.5	11129.4	10700.1	10038.4	9288.1
72.5°	6834.0	8507.5	10457.1	11054.1	11017.1	10161.2	9565.5	8965.9	8401.9	7799.6	7251.4
75°	4442.0	5534.3	6621.4	6970.1	6802.3	6307.0	5880.4	5530.4	4995.4	4576.7	4475.0
77.5°	2536.0	3098.7	2930.9	2887.4	2677.3	2160.9	1437.1	1007.8	910.1	1135.9	1245.6
80°	2413.2	2187.3	1791.1	1615.4	1484.6	1011.8	531.0	373.8	327.6	335.5	360.6
82.5°	2720.9	2835.8	2319.4	1937.7	1686.7	1231.0	672.3	313.0	228.5	270.8	303.8
85°	2039.4	2871.5	2846.4	2411.9	1978.6	1418.6	795.1	239.1	137.4	190.2	248.3
87.5°	413.4	680.2	655.1	575.9	490.0	342.1	133.4	75.3	68.7	93.8	142.7
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4	2179.4
2.5°	2182.0	2182.0	2184.7	2188.6	2190.0	2190.0	2192.6	2190.0	2195.2	2196.6	2197.9
5°	2193.9	2197.9	2200.5	2207.1	2211.1	2213.7	2217.7	2215.0	2220.3	2221.7	2224.3
7.5°	2207.1	2213.7	2219.0	2221.7	2226.9	2226.9	2228.3	2225.6	2224.3	2220.3	2219.0
10°	2230.9	2234.9	2241.5	2238.8	2236.2	2226.9	2219.0	2207.1	2200.5	2188.6	2182.0
12.5°	2269.2	2271.8	2271.8	2260.0	2242.8	2221.7	2201.8	2182.0	2166.2	2153.0	2145.0
15°	2295.6	2300.9	2294.3	2277.1	2252.0	2223.0	2196.6	2170.1	2149.0	2131.8	2121.3
17.5°	2315.4	2314.1	2302.2	2278.4	2254.7	2229.6	2205.8	2178.1	2151.6	2126.6	2110.7
20°	2345.8	2332.6	2311.5	2286.4	2261.3	2240.1	2221.7	2195.2	2167.5	2133.2	2109.4
22.5°	2386.8	2363.0	2332.6	2306.2	2282.4	2262.6	2241.5	2219.0	2190.0	2151.6	2118.6
25°	2444.9	2403.9	2369.6	2343.2	2322.0	2299.6	2275.8	2246.7	2217.7	2178.1	2138.4
27.5°	2533.4	2472.6	2429.0	2405.2	2385.4	2355.1	2324.7	2290.3	2253.4	2212.4	2167.5
30°	2640.4	2567.7	2517.5	2496.4	2472.6	2438.3	2405.2	2357.7	2306.2	2257.3	2201.8
32.5°	2765.8	2691.9	2641.7	2625.8	2587.5	2547.9	2501.7	2438.3	2370.9	2298.3	2232.2
35°	2956.0	2862.3	2816.0	2779.0	2726.2	2678.7	2600.7	2517.5	2421.1	2324.7	2242.8
37.5°	3151.5	3056.4	3008.9	2957.4	2888.7	2801.5	2697.2	2578.3	2450.2	2331.3	2230.9
40°	3413.1	3310.0	3249.3	3170.0	3059.1	2923.0	2768.5	2606.0	2450.2	2302.2	2180.7
42.5°	3718.2	3623.1	3529.3	3398.5	3220.2	3022.1	2805.5	2596.8	2407.9	2237.5	2109.4
45°	4140.8	3978.4	3829.1	3619.1	3358.9	3080.2	2809.4	2553.2	2335.2	2146.4	2003.7
47.5°	4616.3	4406.3	4142.2	3813.3	3458.0	3102.7	2771.1	2471.3	2220.3	2015.6	1859.7
50°	5164.5	4842.2	4436.7	3967.8	3508.2	3072.3	2680.0	2333.9	2061.8	1826.7	1660.3
52.5°	5791.9	5300.5	4703.5	4077.4	3500.2	2979.8	2529.4	2153.0	1849.2	1599.5	1435.8
55°	6488.0	5799.8	4958.4	4147.4	3428.9	2800.2	2293.0	1898.0	1585.0	1339.3	1195.4
57.5°	7715.0	6675.5	5444.5	4241.2	3279.6	2528.1	1993.1	1575.8	1293.1	1084.4	947.0
60°	9994.8	8206.4	6365.1	4461.8	3055.1	2187.3	1615.4	1236.3	999.9	848.0	746.3
62.5°	11405.5	9284.2	6814.2	4430.1	2690.6	1721.1	1199.3	916.7	730.4	630.0	566.6
65°	11071.3	8861.5	6266.1	3805.3	2093.5	1220.5	793.8	599.7	501.9	450.4	420.0
66°	10616.9	8388.7	5802.4	3407.8	1824.1	1019.7	655.1	503.2	431.9	393.6	377.8
67.5°	9664.6	7524.8	5004.7	2728.9	1367.1	759.5	483.4	394.9	351.3	331.5	321.0
70°	8088.8	6062.7	3539.9	1611.4	741.0	412.1	309.1	274.7	264.2	257.6	253.6
72.5°	6254.2	4389.2	2068.4	792.5	373.8	266.8	235.1	220.6	216.6	216.6	217.9
75°	3940.1	2522.8	925.9	381.7	253.6	215.3	200.8	194.2	195.5	196.8	195.5
77.5°	1309.0	870.4	385.7	270.8	220.6	195.5	183.6	181.0	183.6	184.9	184.9
80°	376.4	328.9	278.7	239.1	202.1	182.3	171.7	170.4	177.0	178.3	175.7
82.5°	289.3	270.8	252.3	231.1	194.2	171.7	167.7	169.1	173.0	170.4	158.5
85°	265.5	262.8	188.9	187.6	169.1	163.8	159.8	161.1	157.2	142.7	129.4
87.5°	149.3	138.7	107.0	108.3	125.5	129.4	107.0	113.6	105.7	92.5	84.5
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):**

	160°	165°	170°	175°	180°
0°	2179.4	2179.4	2179.4	2179.4	2179.4
2.5°	2200.5	2199.2	2199.2	2203.2	2197.9
5°	2225.6	2224.3	2224.3	2228.3	2224.3
7.5°	2213.7	2209.8	2207.1	2205.8	2205.8
10°	2174.1	2170.1	2162.2	2159.6	2156.9
12.5°	2133.2	2129.2	2119.9	2119.9	2117.3
15°	2108.1	2102.8	2096.2	2092.2	2089.6
17.5°	2094.9	2086.9	2079.0	2075.0	2072.4
20°	2089.6	2079.0	2069.8	2063.2	2063.2
22.5°	2090.9	2077.7	2067.1	2059.2	2056.5
25°	2104.1	2084.3	2071.1	2063.2	2060.5
27.5°	2122.6	2098.8	2081.6	2071.1	2067.1
30°	2147.7	2114.7	2090.9	2077.7	2072.4
32.5°	2164.9	2118.6	2088.2	2069.8	2063.2
35°	2163.5	2104.1	2067.1	2043.3	2035.4
37.5°	2139.8	2069.8	2020.9	1991.8	1978.6
40°	2086.9	2006.4	1954.8	1927.1	1911.3
42.5°	2010.3	1923.1	1876.9	1846.5	1829.4
45°	1890.1	1804.3	1747.5	1723.7	1701.2
47.5°	1723.7	1636.5	1587.6	1553.3	1538.8
50°	1528.2	1441.0	1389.5	1361.8	1348.6
52.5°	1314.2	1231.0	1194.0	1167.6	1149.1
55°	1092.3	1015.7	999.9	970.8	953.6
57.5°	883.6	838.7	824.2	795.1	780.6
60°	690.8	676.3	660.4	641.9	634.0
62.5°	534.9	521.7	517.8	505.9	504.6
65°	408.1	409.5	406.8	404.2	401.5
66°	371.2	369.8	371.2	368.5	367.2
67.5°	315.7	321.0	324.9	323.6	323.6
70°	256.2	260.2	265.5	264.2	264.2
72.5°	219.3	225.9	228.5	227.2	227.2
75°	198.1	204.7	204.7	202.1	200.8
77.5°	184.9	187.6	184.9	182.3	179.6
80°	171.7	169.1	165.1	161.1	158.5
82.5°	149.3	142.7	138.7	132.1	132.1
85°	120.2	114.9	105.7	99.1	92.5
87.5°	77.9	75.3	68.7	51.5	40.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)