

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: P158750

Luminaire Tested: **VTS-E02-LED-E1-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158750  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E02-LED-E1-SLL  
Description: VENTUS LED SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

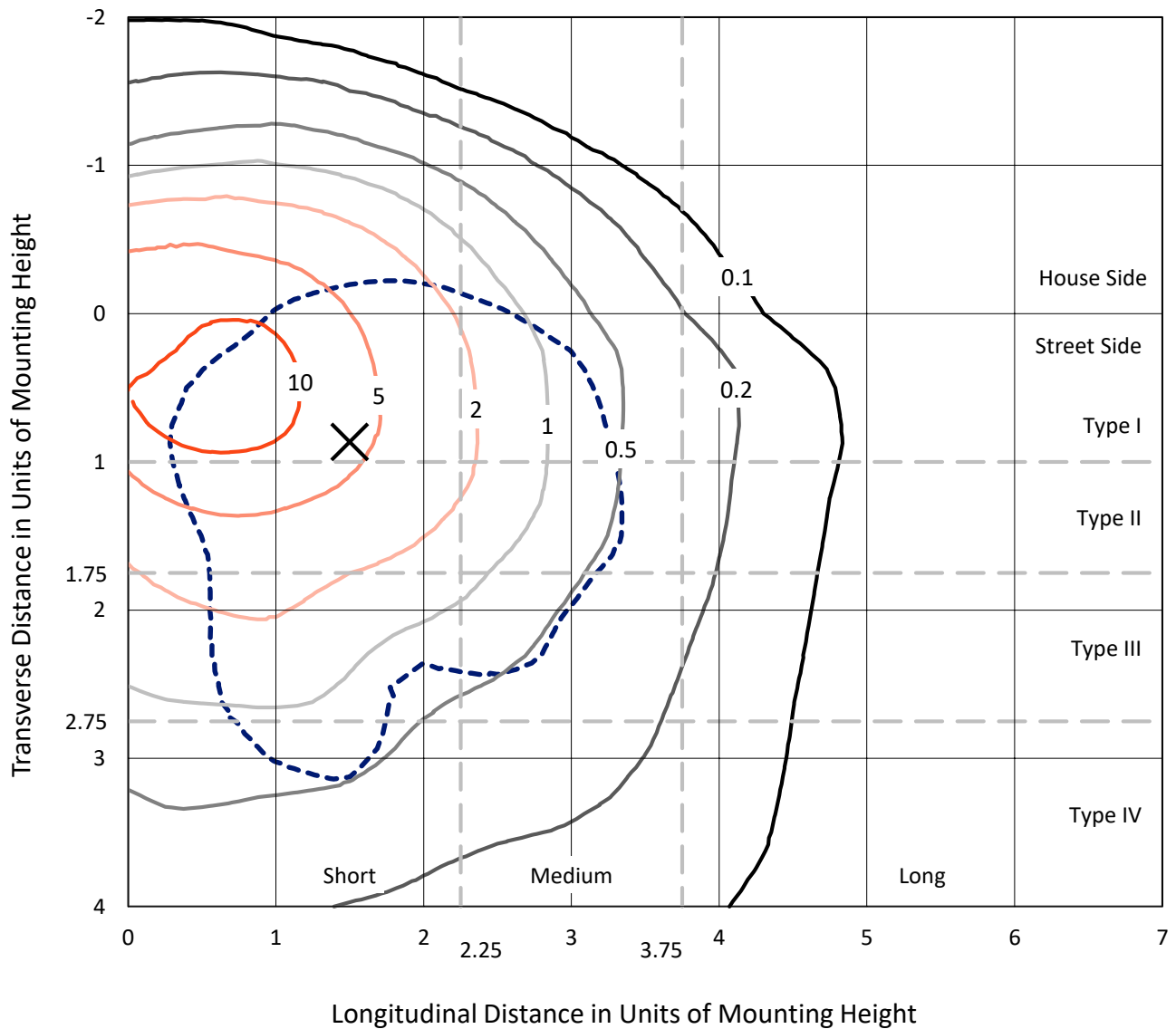
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5374.6 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.1  
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

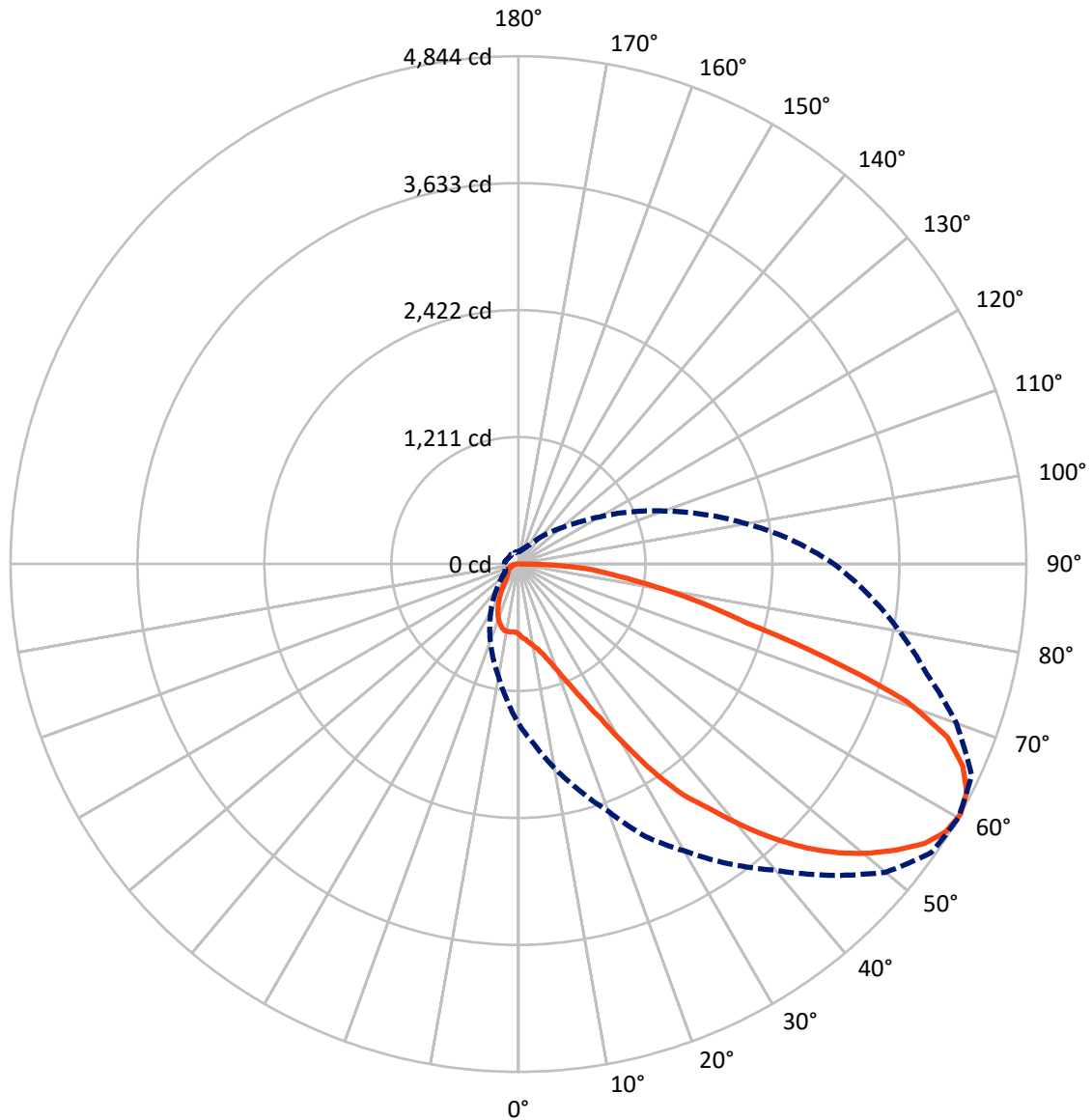
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1210.2	0.0	1210.2
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	4164.4	0.0	4164.4
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	5374.6	0.0	5374.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	1.2
10°-20°	212.9	4.0
20°-30°	404.0	7.5
30°-40°	636.3	11.8
40°-50°	888.1	16.5
50°-60°	1098.3	20.4
60°-70°	1138.5	21.2
70°-80°	716.4	13.3
80°-90°	214.1	4.0
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°	5374.6	100.0
0°-180°	5374.6	100.0



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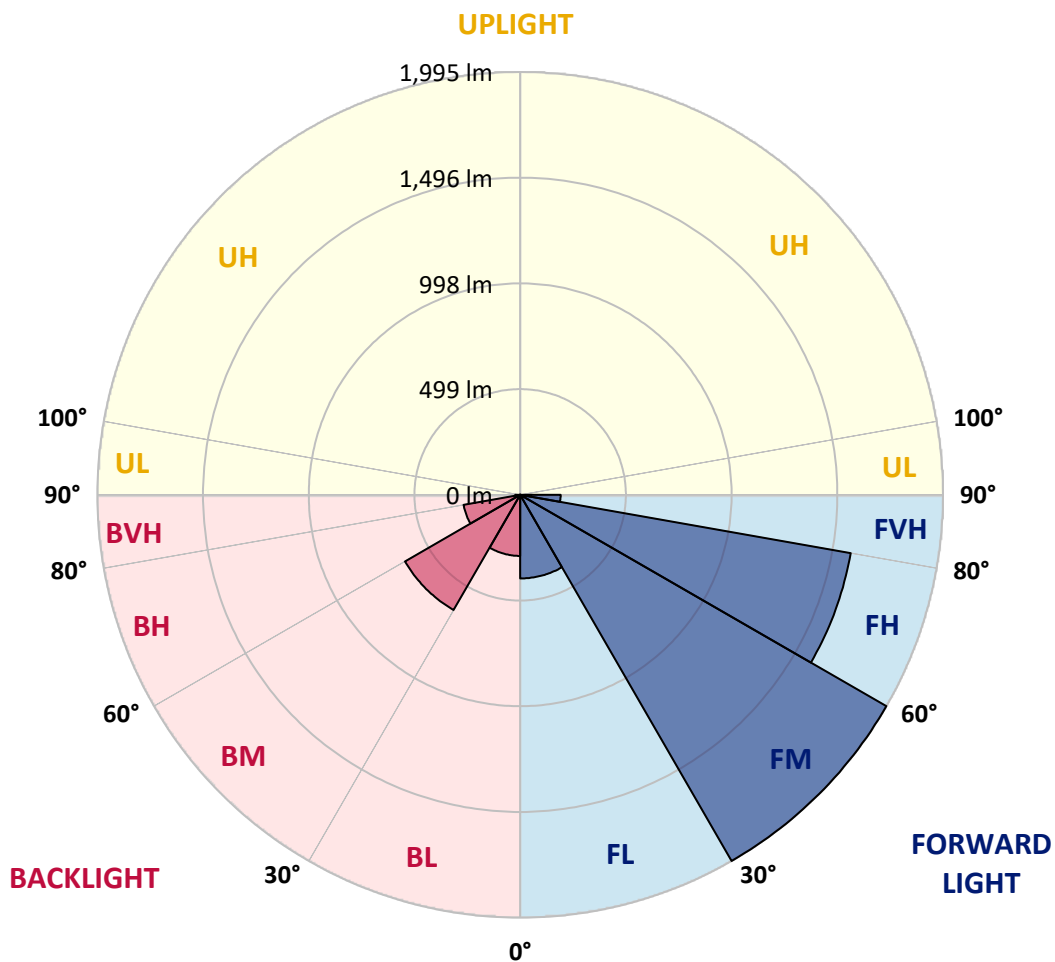
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.6	7.3			
FM	(30°-60°)	1995.1	37.1			
FH	(60°-80°)	1583.8	29.5			G1/1800
FVH	(80°-90°)	190.8	3.6			G2/225
BL	(0°-30°)	288.3	5.4	B1/500		
BM	(30°-60°)	627.6	11.7	B1/1000		
BH	(60°-80°)	271.0	5.0	B1/500		G1/500
BVH	(80°-90°)	23.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	708.0	707.2	707.2	707.2	706.8	706.0	707.2	706.8	704.8	703.6	704.8
5°	717.2	717.6	718.8	719.2	719.2	720.4	723.6	724.0	723.6	724.4	726.4
7.5°	726.0	728.0	729.2	731.2	733.6	735.6	741.2	746.8	750.4	753.2	754.0
10°	740.4	743.6	747.2	752.4	758.0	768.0	772.8	778.4	782.0	787.6	788.8
12.5°	777.2	781.2	783.6	791.6	798.8	808.4	815.2	816.8	825.2	830.0	835.6
15°	839.2	845.2	853.6	858.4	866.4	874.8	880.8	888.8	890.0	896.4	900.8
17.5°	915.2	923.6	940.8	952.4	962.8	971.2	983.2	992.4	994.4	1001.6	992.4
20°	1021.6	1042.0	1044.8	1068.0	1077.2	1094.0	1118.0	1122.4	1134.0	1122.4	1115.6
22.5°	1165.6	1197.6	1206.4	1228.8	1240.0	1265.6	1272.8	1296.4	1304.4	1295.6	1277.2
25°	1331.2	1380.8	1406.4	1440.8	1446.4	1498.8	1504.4	1532.0	1517.2	1496.0	1496.4
27.5°	1453.2	1537.6	1603.6	1662.4	1703.6	1762.8	1808.8	1821.6	1807.6	1780.0	1770.4
30°	1522.8	1618.4	1713.2	1794.4	1890.4	1980.8	2074.8	2121.6	2129.6	2144.0	2086.0
32.5°	1567.6	1690.4	1803.2	1903.6	2002.0	2118.4	2244.4	2364.8	2466.0	2542.4	2506.4
35°	1605.2	1756.8	1901.2	2022.8	2139.2	2266.0	2393.2	2535.2	2702.8	2800.8	2821.2
37.5°	1620.4	1805.6	1982.4	2138.4	2302.0	2444.8	2571.2	2697.6	2873.6	3048.4	3102.4
40°	1617.6	1829.6	2030.8	2226.8	2427.2	2605.6	2753.6	2903.2	3109.2	3313.6	3401.6
42.5°	1598.8	1833.2	2061.6	2285.6	2514.0	2751.2	2940.4	3112.8	3310.4	3572.4	3696.8
45°	1575.2	1820.8	2068.0	2315.6	2578.4	2852.8	3092.0	3305.2	3536.8	3795.6	3946.0
47.5°	1543.2	1801.2	2060.0	2326.0	2607.2	2918.0	3199.2	3455.6	3710.4	4008.4	4199.2
50°	1508.4	1773.2	2043.6	2318.4	2614.4	2953.6	3260.4	3552.4	3850.0	4171.6	4412.8
52.5°	1484.0	1743.2	2028.8	2302.8	2607.2	2964.4	3282.8	3604.4	3935.6	4268.0	4556.0
55°	1454.0	1703.2	1989.2	2266.4	2580.8	2958.4	3280.4	3622.4	3959.2	4305.2	4634.0
57.5°	1456.0	1684.8	1955.6	2222.8	2526.8	2902.8	3235.2	3604.4	3922.0	4281.2	4636.8
60°	1519.2	1724.4	1973.2	2231.6	2510.8	2867.6	3158.4	3488.4	3812.8	4198.4	4572.0
62.5°	1649.6	1837.6	2063.6	2319.6	2600.8	2938.0	3123.6	3295.6	3583.6	4046.0	4461.6
65°	1805.2	1974.8	2170.8	2414.4	2729.6	3052.4	3104.0	3138.8	3284.4	3749.6	4254.4
67.5°	1960.8	2112.4	2266.4	2468.4	2802.8	3085.2	3024.0	2941.2	3019.6	3405.2	3847.2
70°	2016.8	2218.0	2319.2	2458.0	2747.2	3008.8	2894.8	2686.4	2713.6	3064.0	3387.2
72.5°	1932.8	2219.6	2253.2	2304.8	2499.6	2745.6	2625.2	2357.2	2351.6	2619.2	2880.4
75°	1621.2	2024.8	2024.4	2005.2	2049.2	2189.2	2126.8	1965.2	2033.6	2244.4	2330.4
77.5°	1155.6	1580.0	1600.0	1470.8	1467.6	1530.8	1568.4	1756.4	2004.4	2122.8	2095.6
80°	726.0	1066.0	1152.0	992.4	958.4	1048.0	1280.4	1554.0	1859.2	1965.6	1874.0
82.5°	437.2	686.8	870.0	779.6	771.6	934.8	1191.6	1298.0	1389.6	1502.8	1349.6
85°	296.8	457.6	595.2	613.2	683.2	852.0	963.6	916.4	918.8	889.2	810.0
87.5°	56.8	124.8	204.0	248.8	276.0	370.8	403.2	365.2	385.6	282.0	308.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	702.8	702.8	702.8	700.8	701.2	698.4	697.2	697.2	696.0	696.0	695.6
5°	724.8	722.4	723.6	723.2	723.2	719.2	717.2	717.2	712.0	712.4	710.8
7.5°	757.6	757.2	758.4	756.0	752.8	749.6	746.4	744.8	737.6	733.2	730.4
10°	794.8	794.4	795.6	795.2	789.6	783.6	774.8	768.4	759.6	752.8	746.0
12.5°	835.6	835.2	834.4	830.8	824.8	815.2	804.0	793.2	780.0	771.2	761.2
15°	899.2	898.0	893.2	888.0	881.6	866.8	847.2	831.6	814.0	798.8	782.4
17.5°	993.2	983.2	982.4	970.8	953.6	934.0	915.6	889.6	864.4	841.6	819.2
20°	1122.8	1099.6	1093.2	1080.0	1057.2	1036.8	996.8	962.0	927.6	896.4	868.0
22.5°	1264.0	1247.2	1231.6	1210.0	1178.8	1149.2	1098.4	1054.8	1010.8	970.8	939.2
25°	1461.2	1432.0	1404.0	1369.6	1326.4	1291.2	1233.2	1189.2	1131.6	1095.2	1049.6
27.5°	1716.0	1666.0	1618.8	1589.2	1513.2	1462.0	1388.0	1331.2	1261.6	1212.4	1158.4
30°	2047.6	1989.6	1919.6	1817.2	1726.8	1625.2	1533.6	1460.8	1386.8	1318.0	1255.6
32.5°	2458.8	2356.4	2245.6	2083.2	1934.8	1790.0	1668.0	1578.4	1502.8	1417.2	1329.2
35°	2806.4	2700.8	2543.6	2337.2	2154.0	1988.4	1842.4	1720.0	1621.2	1512.8	1396.4
37.5°	3080.8	2960.4	2812.8	2593.6	2400.0	2211.6	2058.4	1902.4	1772.8	1623.6	1476.4
40°	3395.2	3274.4	3112.0	2884.8	2655.6	2451.2	2271.6	2110.4	1951.2	1769.2	1580.0
42.5°	3669.2	3582.0	3417.6	3182.8	2928.8	2701.2	2504.8	2320.4	2112.4	1908.8	1684.8
45°	3954.8	3866.0	3710.0	3464.4	3194.4	2940.8	2706.0	2507.6	2262.0	2019.6	1763.2
47.5°	4207.2	4116.0	3958.4	3714.4	3427.6	3160.4	2902.0	2662.0	2376.8	2098.4	1814.4
50°	4448.0	4336.4	4192.0	3948.8	3642.4	3356.8	3076.4	2768.4	2466.0	2153.6	1849.2
52.5°	4669.2	4527.2	4390.4	4140.0	3808.8	3510.4	3197.6	2858.8	2520.8	2197.2	1872.8
55°	4794.8	4703.2	4539.6	4293.6	3927.2	3616.0	3274.4	2922.4	2575.2	2228.0	1882.8
57.5°	4833.6	4811.2	4674.0	4382.4	3996.8	3674.0	3326.4	2972.8	2611.6	2236.8	1868.8
60°	4802.8	4843.6	4768.4	4444.8	4028.4	3691.2	3352.0	3008.8	2618.0	2208.8	1826.4
62.5°	4704.0	4796.8	4787.2	4465.6	4012.0	3669.6	3349.2	2990.4	2558.0	2121.6	1731.2
65°	4541.6	4658.4	4699.6	4388.4	3919.6	3590.8	3278.0	2874.8	2391.2	1951.2	1571.6
67.5°	4236.0	4412.8	4452.8	4135.6	3678.0	3372.8	3072.8	2634.8	2082.4	1687.6	1322.4
70°	3623.6	3932.8	3986.8	3654.0	3252.0	2984.0	2729.6	2254.4	1734.0	1353.6	1014.8
72.5°	2892.8	3087.2	3197.6	2968.4	2669.2	2474.8	2282.0	1729.6	1308.4	998.8	698.4
75°	2261.6	2250.0	2348.8	2196.4	2020.4	1929.6	1784.8	1206.8	876.4	661.6	442.0
77.5°	1933.6	1784.8	1672.4	1565.2	1460.8	1432.0	1293.2	748.8	541.6	396.4	264.4
80°	1607.2	1335.6	1130.4	979.6	942.4	999.2	846.4	441.6	320.8	227.6	166.0
82.5°	1148.4	960.8	782.0	686.4	622.8	713.2	499.2	245.2	174.0	136.4	110.0
85°	744.4	711.6	704.0	672.8	595.6	562.4	379.2	211.2	130.4	84.8	68.4
87.5°	286.4	367.2	423.6	454.0	490.8	437.2	197.6	72.8	71.6	44.0	33.2
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	692.8	691.2	690.8	689.6	688.8	688.8	686.8	650.4	650.0	650.0	649.6
5°	707.6	705.6	703.6	703.2	701.6	701.6	699.6	663.2	663.2	663.2	662.4
7.5°	727.6	723.6	721.2	720.0	717.6	718.8	720.4	683.6	684.0	683.6	684.4
10°	742.0	739.6	736.8	736.0	734.4	735.6	738.0	701.6	702.8	703.2	704.0
12.5°	756.0	752.0	748.4	747.2	746.4	749.6	752.4	717.2	718.4	719.6	719.6
15°	773.2	766.4	761.6	758.8	757.2	760.4	764.4	729.6	730.0	731.2	730.8
17.5°	802.4	792.4	781.2	779.2	774.0	775.2	776.0	737.2	735.6	732.8	728.0
20°	847.6	832.4	817.2	810.8	800.4	796.0	787.2	737.6	727.6	719.2	712.0
22.5°	912.4	890.0	873.6	862.8	841.6	826.8	802.8	735.6	716.8	702.4	691.2
25°	1017.2	990.4	965.2	938.0	904.8	875.2	840.0	753.2	724.0	699.2	677.6
27.5°	1119.2	1076.8	1038.0	997.2	950.4	906.0	856.4	758.8	725.6	693.6	658.4
30°	1195.6	1134.0	1075.2	1015.6	954.4	896.8	840.8	739.6	700.0	664.0	626.8
32.5°	1242.0	1162.0	1085.6	1011.6	939.6	874.8	812.0	706.4	662.8	620.4	580.8
35°	1286.0	1186.8	1092.0	1004.8	922.4	850.4	782.8	667.6	615.6	570.4	520.4
37.5°	1340.4	1212.8	1096.0	992.4	897.2	814.8	740.4	618.8	566.8	511.2	464.0
40°	1405.6	1239.6	1092.0	967.6	858.0	768.0	689.2	567.6	509.6	455.6	409.2
42.5°	1467.6	1263.2	1081.6	934.4	815.2	719.2	642.4	522.0	464.0	408.8	362.8
45°	1513.6	1283.2	1076.4	911.2	782.4	686.0	601.2	485.2	424.0	368.4	321.6
47.5°	1545.6	1295.2	1074.0	898.4	759.6	651.6	563.6	448.4	384.0	328.0	282.4
50°	1562.4	1294.8	1068.0	884.4	726.0	610.4	524.8	411.2	347.2	292.4	250.8
52.5°	1566.8	1287.6	1055.2	858.8	685.2	569.2	483.2	372.4	314.8	262.4	220.4
55°	1556.8	1270.0	1028.4	816.0	641.6	525.6	445.2	342.0	283.2	233.6	200.8
57.5°	1528.4	1238.8	978.0	757.2	595.6	485.2	401.6	305.2	248.8	207.2	180.0
60°	1475.6	1172.8	899.2	687.6	537.2	423.6	341.6	257.2	212.4	181.2	159.2
62.5°	1378.0	1069.2	788.4	591.6	453.2	343.6	272.8	205.2	171.6	151.2	137.6
65°	1220.8	913.2	660.0	466.0	344.4	250.0	202.8	154.4	130.0	117.6	113.6
67.5°	996.4	705.2	480.0	323.6	233.2	175.2	141.2	112.8	101.2	96.4	94.8
70°	724.4	480.4	310.8	204.4	154.0	122.4	106.8	90.8	84.4	83.2	83.2
72.5°	454.8	292.0	190.4	140.0	116.8	99.2	91.2	80.0	77.6	76.8	75.6
75°	266.8	177.2	134.8	114.8	100.0	88.8	82.0	72.8	71.2	70.8	69.6
77.5°	170.0	127.6	108.8	98.0	90.4	80.4	74.4	64.8	64.4	64.0	63.6
80°	122.0	106.0	95.2	86.8	79.2	70.0	66.4	58.8	58.0	57.6	58.4
82.5°	92.4	87.6	83.2	76.8	66.4	59.6	56.8	51.6	52.0	50.0	49.6
85°	63.6	62.8	62.4	59.6	52.0	46.0	44.0	41.2	43.2	41.2	38.8
87.5°	31.2	30.8	28.4	33.6	31.2	24.8	22.4	24.8	27.6	26.8	24.8
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	648.0	646.4	647.6	646.8	646.8	646.4	647.2	646.0	645.2	646.0	646.4
5°	660.8	658.8	659.2	656.4	657.6	654.8	655.6	653.6	651.6	650.8	650.8
7.5°	682.4	680.4	678.0	677.6	673.2	671.6	668.8	667.2	666.0	663.2	661.6
10°	702.0	698.8	696.0	695.6	691.2	687.2	683.6	680.4	678.4	674.4	672.4
12.5°	718.0	714.8	710.4	708.0	703.6	698.8	696.4	691.6	688.8	684.4	680.8
15°	727.2	721.6	715.2	710.8	704.4	699.2	695.6	692.0	689.2	683.6	678.4
17.5°	722.8	713.6	704.8	696.8	688.0	683.2	678.0	673.6	672.8	666.4	658.4
20°	704.4	693.6	682.0	671.2	659.6	652.8	646.4	639.6	637.6	630.0	619.6
22.5°	682.0	669.6	656.4	643.2	628.4	618.8	609.2	600.8	594.0	582.8	568.0
25°	659.2	640.8	621.6	604.8	587.6	575.6	565.6	556.4	548.4	530.4	515.2
27.5°	629.2	600.4	580.8	561.6	540.8	525.2	514.0	501.2	492.4	471.6	455.6
30°	590.8	562.0	534.0	514.8	494.0	477.2	462.8	444.4	431.6	416.4	401.6
32.5°	542.4	513.6	485.2	463.6	446.4	425.6	407.6	390.0	375.2	360.4	348.8
35°	483.6	455.6	428.8	407.2	388.0	371.6	354.4	339.2	322.4	306.4	299.6
37.5°	421.6	391.6	362.0	343.2	328.0	316.4	300.4	288.0	272.8	263.2	255.2
40°	367.6	335.6	307.6	291.6	279.6	266.4	253.2	243.6	232.8	223.2	217.2
42.5°	322.0	292.0	268.0	254.4	240.0	225.6	215.6	207.6	200.8	193.6	186.4
45°	280.0	251.2	231.2	214.4	202.4	190.8	184.0	180.4	176.4	172.0	167.2
47.5°	244.8	220.0	200.4	184.8	172.4	164.4	161.2	160.0	158.4	154.8	152.4
50°	218.0	197.6	177.6	163.6	153.2	149.2	145.6	144.4	142.4	141.2	139.6
52.5°	195.6	174.0	157.2	144.4	138.0	136.4	134.8	133.2	132.8	132.0	131.2
55°	177.2	158.4	142.8	133.2	130.0	128.8	128.4	126.8	126.4	126.4	125.2
57.5°	160.8	144.8	130.8	124.8	122.8	121.6	120.8	120.0	120.0	120.8	120.4
60°	144.0	130.4	122.0	118.8	117.6	115.6	113.6	112.8	113.2	115.2	115.2
62.5°	127.6	117.6	112.4	111.2	110.0	108.4	106.0	105.2	106.0	108.4	109.6
65°	109.6	105.2	103.6	102.8	102.0	100.8	99.2	98.4	98.8	100.0	101.6
67.5°	93.2	92.8	92.8	93.2	92.8	92.4	91.6	90.4	90.0	90.0	90.8
70°	83.2	83.2	84.4	84.4	84.0	84.0	82.8	81.6	80.8	80.0	80.4
72.5°	75.6	75.6	76.0	76.4	76.0	76.0	74.4	73.6	71.6	71.2	70.4
75°	69.2	68.4	68.4	68.0	67.6	68.0	66.4	64.4	63.6	63.2	62.4
77.5°	62.8	61.2	60.4	59.6	60.0	59.6	58.4	57.2	56.0	55.6	55.2
80°	55.6	53.2	52.0	50.0	51.2	51.6	50.8	49.6	49.2	48.8	48.4
82.5°	46.0	43.6	42.0	40.8	40.0	40.8	42.0	44.8	44.0	43.6	42.8
85°	36.0	32.0	30.0	30.4	28.4	28.8	32.4	34.0	34.0	34.8	34.0
87.5°	20.4	19.6	14.8	13.6	14.4	17.2	19.2	21.2	21.2	20.0	22.4
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4
2.5°	646.4	647.2	647.6	649.2	650.0	650.4	650.8	651.6	652.0	651.6	653.6
5°	649.6	649.6	648.8	650.0	650.4	650.4	649.6	650.4	650.4	650.4	652.4
7.5°	658.0	655.6	654.4	652.8	651.6	650.0	648.0	648.0	647.6	648.0	649.2
10°	666.8	663.2	658.8	654.8	651.2	648.4	644.8	643.6	643.2	642.8	646.0
12.5°	673.6	667.2	660.4	653.6	646.4	641.6	635.6	632.0	631.6	631.6	635.6
15°	668.8	658.4	645.2	633.2	626.8	620.0	613.2	608.8	608.4	609.2	611.6
17.5°	644.8	628.0	616.4	604.8	596.4	590.8	586.4	585.6	587.2	585.6	588.8
20°	604.0	586.0	578.0	568.8	565.6	561.6	555.2	549.6	549.6	542.4	544.4
22.5°	551.2	541.2	530.8	523.6	521.2	514.4	507.6	500.0	499.2	490.4	489.2
25°	496.0	486.0	477.6	476.0	468.8	459.6	453.2	444.4	442.4	433.6	432.4
27.5°	439.6	431.6	423.2	418.4	414.4	404.4	398.8	388.4	384.4	374.8	373.6
30°	386.0	380.4	370.4	366.4	358.8	347.2	335.2	328.8	325.6	315.6	312.4
32.5°	335.6	326.8	319.2	314.4	304.8	291.6	280.8	271.6	265.6	253.6	250.4
35°	287.6	278.8	275.2	262.8	254.4	245.6	230.8	225.2	214.4	205.2	202.0
37.5°	245.2	236.8	232.0	221.6	213.2	204.4	195.6	188.4	183.2	181.2	181.2
40°	208.8	204.4	198.4	190.8	185.2	178.8	174.0	171.6	171.2	172.0	174.0
42.5°	182.8	178.0	174.0	170.0	166.0	165.2	164.0	165.6	167.6	169.6	171.6
45°	163.2	159.2	156.8	155.2	154.8	156.0	158.4	160.8	164.4	166.8	168.4
47.5°	149.2	146.0	145.2	144.8	146.8	150.4	153.6	157.2	160.0	162.4	164.0
50°	137.2	134.4	134.0	133.6	136.4	139.6	142.4	147.2	149.2	150.8	152.0
52.5°	128.8	126.4	125.2	125.6	128.4	131.2	135.2	138.8	141.6	142.8	144.0
55°	122.0	121.2	118.4	119.6	122.4	126.0	130.0	134.0	136.8	138.8	140.8
57.5°	116.8	114.8	112.8	114.8	117.6	121.2	126.0	129.6	133.2	136.0	138.0
60°	111.2	109.6	108.0	110.0	112.8	116.4	120.0	124.8	129.2	132.0	134.0
62.5°	106.4	105.2	103.6	104.0	105.2	107.6	109.6	114.0	118.0	121.6	124.0
65°	99.6	99.2	96.8	97.2	98.0	100.4	102.0	106.0	110.0	113.2	115.2
67.5°	89.6	88.8	88.8	90.0	90.4	91.6	92.8	96.8	100.0	102.4	104.8
70°	79.6	79.2	79.2	80.0	79.6	80.8	82.4	86.0	90.0	92.4	94.8
72.5°	70.0	70.0	69.6	70.4	70.4	70.8	72.8	76.0	79.6	81.6	83.2
75°	61.6	61.2	61.2	61.2	61.6	61.6	63.6	66.4	70.0	71.2	73.6
77.5°	54.0	54.0	54.0	54.0	54.4	54.0	55.2	57.2	58.4	60.4	60.4
80°	47.6	47.2	47.6	48.0	48.0	47.6	47.6	48.0	48.4	48.4	48.4
82.5°	42.0	40.8	41.6	43.6	43.6	43.6	43.2	40.4	38.4	38.4	39.2
85°	33.6	33.6	34.0	36.8	37.2	35.6	37.2	33.2	29.2	28.0	28.8
87.5°	20.8	16.4	20.0	22.8	22.8	21.6	24.0	22.4	18.8	15.2	14.4
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	668.4	0°
2.5°	655.2	655.6	658.0	659.2	659.2	660.8	661.6	664.0	663.6	663.6	664.4	2.5°
5°	654.4	655.6	658.0	659.6	660.4	662.4	664.0	666.8	666.4	667.2	667.6	5°
7.5°	651.6	654.8	657.2	660.4	663.2	664.8	666.8	669.2	668.4	668.8	668.4	7.5°
10°	649.2	652.4	657.2	661.6	665.6	668.0	669.2	672.0	671.6	672.4	672.4	10°
12.5°	639.6	645.2	651.2	658.0	664.0	670.4	674.4	680.4	683.2	686.8	690.8	12.5°
15°	615.2	621.6	631.2	638.8	650.4	659.2	670.8	682.4	692.8	702.8	714.4	15°
17.5°	591.2	594.0	601.6	612.0	622.4	635.6	649.6	670.4	689.2	709.6	732.0	17.5°
20°	546.8	551.6	556.8	569.2	581.6	600.4	617.6	644.8	672.4	704.4	738.8	20°
22.5°	492.0	496.8	502.4	516.4	531.6	550.8	571.6	602.0	638.8	680.4	726.4	22.5°
25°	432.8	435.6	440.0	454.0	463.2	488.4	513.6	545.2	585.2	638.8	692.4	25°
27.5°	367.6	372.8	376.4	382.8	404.0	425.6	452.0	486.0	534.4	589.2	654.0	27.5°
30°	305.2	309.6	307.6	321.2	335.2	358.0	386.4	424.0	470.4	535.6	610.4	30°
32.5°	244.0	247.2	246.0	255.6	269.6	292.4	319.2	360.0	409.2	478.8	560.0	32.5°
35°	201.2	202.0	206.4	210.8	222.8	241.2	264.0	299.6	350.0	414.0	500.0	35°
37.5°	181.2	182.8	185.6	191.6	200.4	213.6	232.4	260.0	303.2	359.6	436.4	37.5°
40°	175.2	176.4	178.0	182.0	190.4	202.0	218.8	242.0	273.6	321.2	383.6	40°
42.5°	172.4	172.4	172.4	174.8	181.2	193.6	212.8	235.6	263.2	299.2	349.6	42.5°
45°	168.4	168.4	168.0	169.2	173.6	186.0	206.8	232.4	262.0	296.4	340.0	45°
47.5°	164.0	163.6	162.4	162.4	165.2	177.6	199.2	226.8	259.2	298.8	345.6	47.5°
50°	152.0	152.0	152.0	153.2	155.6	166.8	190.0	219.2	256.4	300.4	354.4	50°
52.5°	145.2	145.6	146.8	146.8	149.2	160.8	185.2	217.6	258.0	306.4	365.6	52.5°
55°	142.0	143.2	144.4	144.4	146.4	158.4	183.6	218.8	264.0	318.8	384.8	55°
57.5°	139.2	140.4	141.2	141.2	142.8	153.2	179.2	216.8	267.6	330.8	408.4	57.5°
60°	134.0	134.8	135.2	135.2	135.6	144.4	169.2	207.2	259.6	330.0	421.2	60°
62.5°	124.4	126.0	126.4	126.8	126.8	135.2	156.4	191.6	242.4	318.0	417.6	62.5°
65°	117.2	118.0	119.2	120.0	121.6	127.2	144.0	172.8	220.0	294.0	397.6	65°
67.5°	106.0	107.2	108.4	110.0	111.6	115.2	128.4	151.6	189.6	253.2	352.8	67.5°
70°	96.0	96.4	97.6	99.6	100.0	102.0	111.6	127.6	155.2	203.2	284.0	70°
72.5°	83.6	84.4	86.0	88.4	88.4	90.0	95.6	104.0	121.6	155.2	209.6	72.5°
75°	72.8	73.6	74.8	74.8	72.8	73.2	77.2	83.2	96.4	116.8	152.8	75°
77.5°	60.4	62.0	63.2	60.8	60.0	61.2	63.2	67.6	77.2	92.8	114.8	77.5°
80°	50.0	50.8	51.2	51.6	50.8	52.0	53.6	56.4	62.8	74.8	90.8	80°
82.5°	40.0	40.8	42.0	43.6	43.6	48.0	48.4	48.4	52.0	59.6	71.2	82.5°
85°	29.6	31.2	32.8	34.8	35.2	37.6	36.4	36.0	37.2	44.4	49.2	85°
87.5°	15.2	16.4	17.2	18.8	16.8	17.6	17.6	16.4	14.4	18.0	20.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
668.4	668.4	668.4	668.4	668.4	668.4	668.4
665.2	664.4	665.2	665.2	666.4	665.6	708.0
668.4	667.6	668.4	669.2	670.4	670.4	717.2
668.8	668.8	668.0	670.0	671.6	673.2	726.0
673.6	673.6	674.4	674.8	678.4	682.4	740.4
693.2	695.2	698.8	700.0	706.4	710.8	777.2
723.2	734.4	741.6	744.0	749.6	758.0	839.2
753.6	772.4	792.0	804.0	811.2	821.2	915.2
776.4	811.6	845.2	875.2	892.4	912.0	1021.6
778.4	834.4	891.2	946.8	992.8	1029.2	1165.6
759.2	832.8	911.2	996.4	1075.6	1141.2	1331.2
734.8	825.2	925.2	1034.0	1138.0	1234.8	1453.2
704.0	812.4	927.6	1050.0	1172.0	1288.4	1522.8
657.2	774.4	898.8	1034.0	1175.6	1317.2	1567.6
597.2	716.8	844.4	998.4	1158.8	1328.8	1605.2
536.0	654.0	791.2	950.8	1132.0	1326.8	1620.4
471.2	588.4	728.8	900.0	1095.6	1308.4	1617.6
427.2	534.0	671.6	848.4	1055.2	1284.0	1598.8
401.6	495.2	626.4	801.2	1018.4	1254.8	1575.2
401.2	483.6	602.4	767.6	981.2	1222.4	1543.2
415.2	490.8	599.6	753.2	960.8	1198.8	1508.4
431.6	510.8	614.4	758.4	960.4	1188.4	1484.0
457.6	544.8	646.8	780.8	970.8	1186.8	1454.0
490.8	590.8	705.2	836.0	1011.2	1218.4	1456.0
524.8	644.8	781.6	930.4	1090.8	1292.0	1519.2
537.2	686.4	859.2	1041.2	1210.0	1402.4	1649.6
526.4	696.0	906.4	1127.2	1326.0	1531.6	1805.2
486.4	657.2	887.2	1151.6	1392.8	1623.2	1960.8
400.4	560.8	800.0	1096.8	1387.6	1642.0	2016.8
293.6	434.8	650.4	932.0	1233.6	1524.4	1932.8
212.0	307.6	469.6	702.0	975.2	1227.6	1621.2
152.0	213.2	304.8	461.2	664.4	854.8	1155.6
109.2	144.8	190.0	276.8	404.8	524.8	726.0
80.4	99.2	124.8	172.0	238.4	305.6	437.2
54.8	58.4	75.2	101.6	156.4	224.8	296.8
20.8	23.6	27.6	41.6	70.0	80.4	56.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)