

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: P158755

Luminaire Tested: **VTS-F02-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158755
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-F02-LED-E1-SLL
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

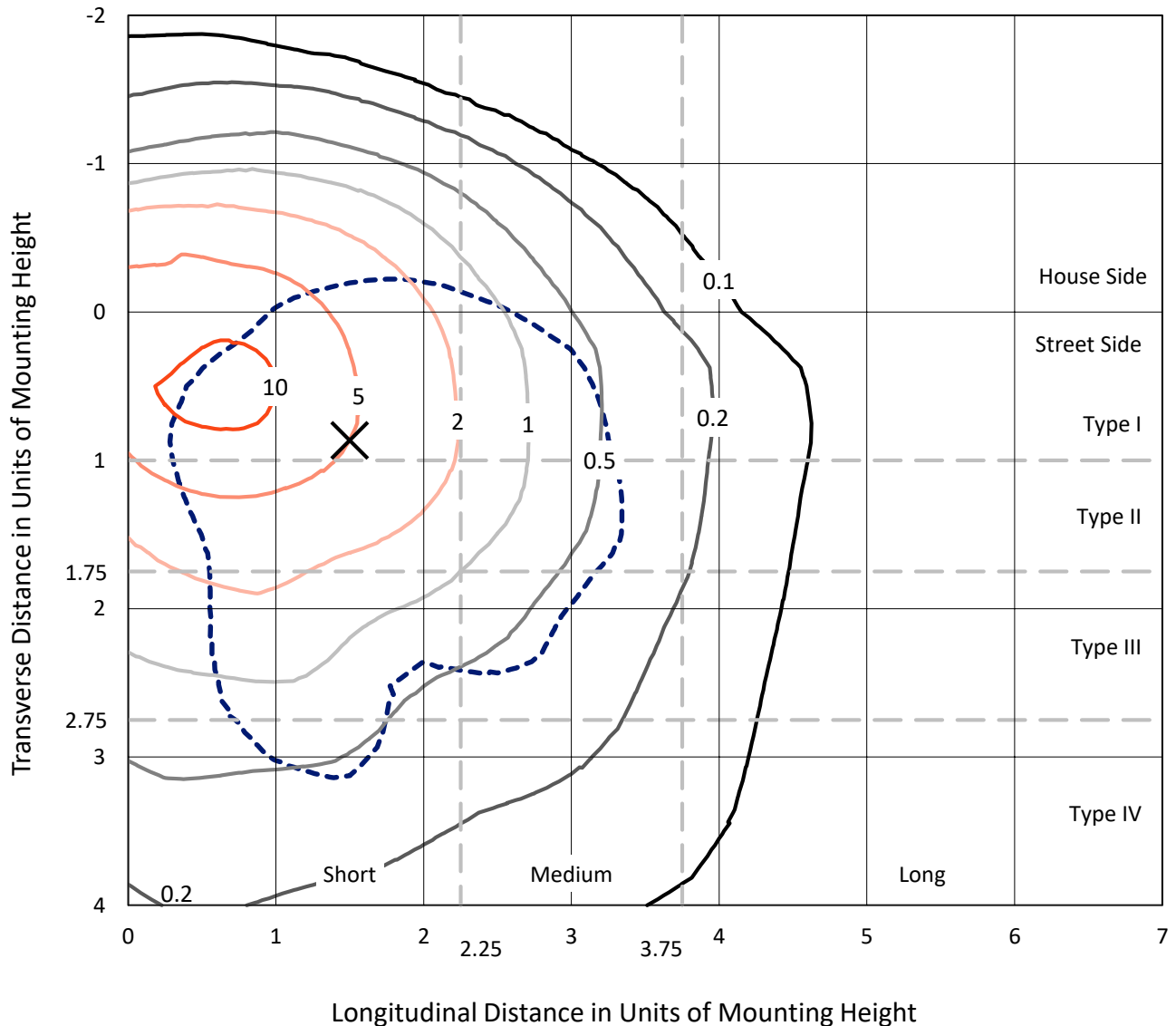
Lumens per Lamp: N/A
Luminaire Lumens: 4436.8 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 55
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

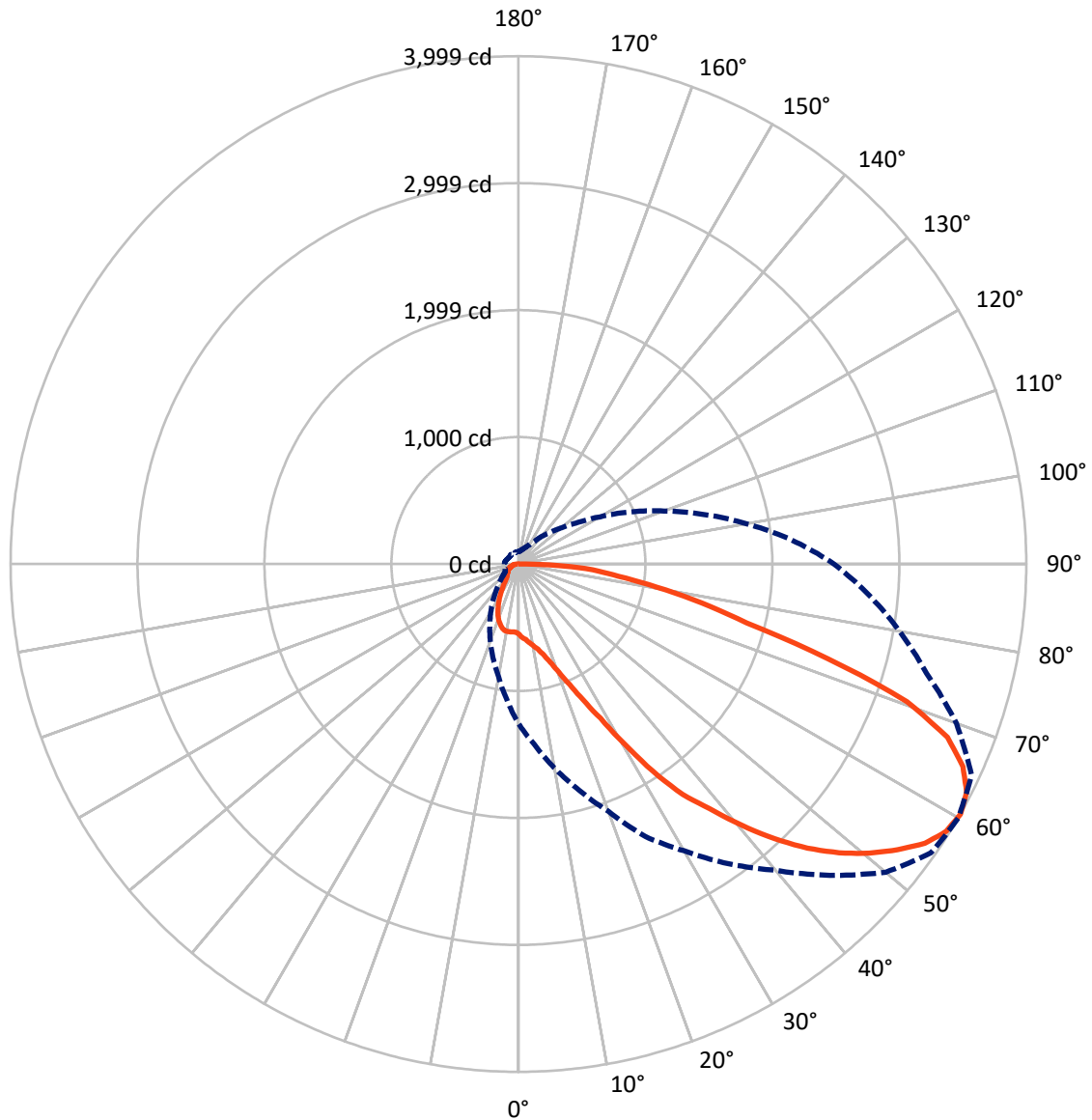
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 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
House Side	Lumens	999.0	0.0	999.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3437.8	0.0	3437.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	4436.8	0.0	4436.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.2
10°-20°	175.8	4.0
20°-30°	333.5	7.5
30°-40°	525.3	11.8
40°-50°	733.1	16.5
50°-60°	906.7	20.4
60°-70°	939.8	21.2
70°-80°	591.4	13.3
80°-90°	176.8	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°	4436.8	100.0
0°-180°	4436.8	100.0



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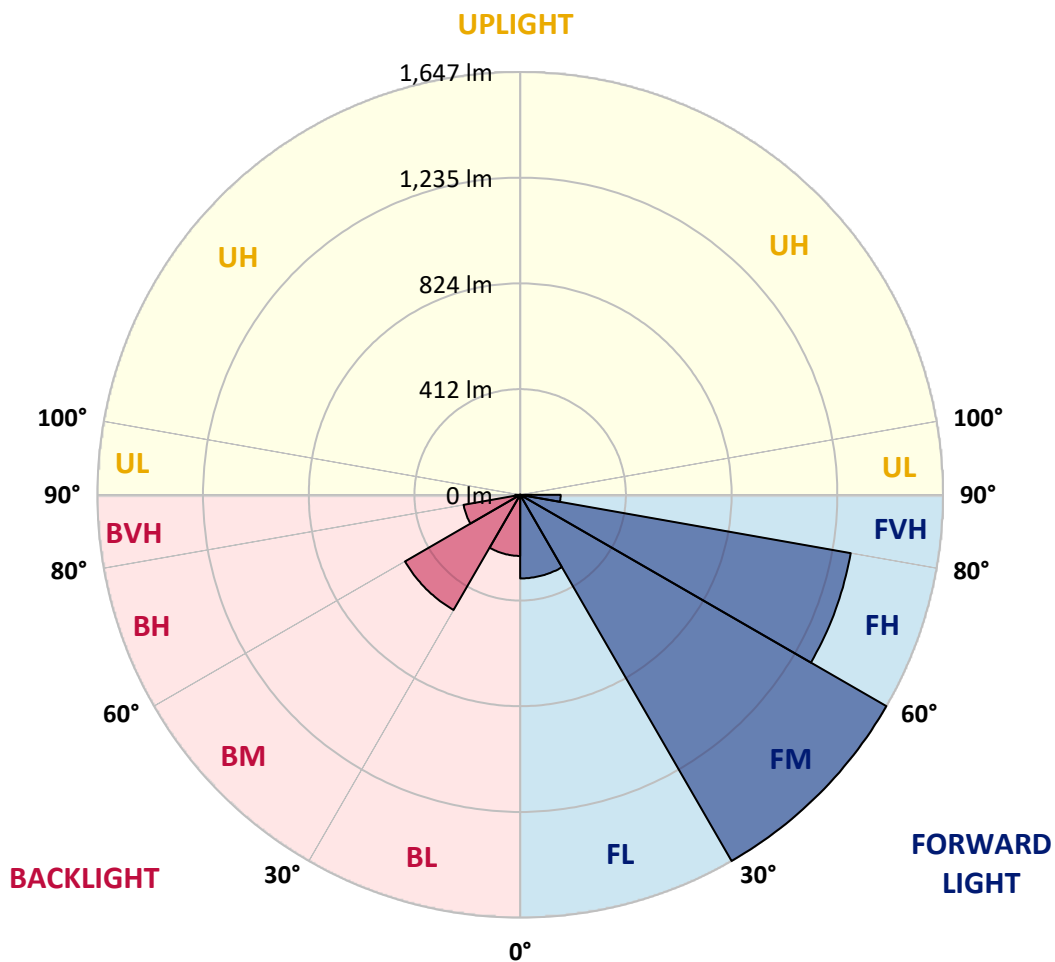
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.7	7.3			
FM	(30°-60°)	1647.0	37.1			
FH	(60°-80°)	1307.5	29.5			G1/1800
FVH	(80°-90°)	157.5	3.6			G2/225
BL	(0°-30°)	238.0	5.4	B1/500		
BM	(30°-60°)	518.1	11.7	B1/1000		
BH	(60°-80°)	223.7	5.0	B1/500		G1/500
BVH	(80°-90°)	19.2	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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	584.5	583.8	583.8	583.8	583.5	582.8	583.8	583.5	581.8	580.8	581.8
5°	592.1	592.4	593.4	593.7	593.7	594.7	597.3	597.7	597.3	598.0	599.7
7.5°	599.3	601.0	602.0	603.6	605.6	607.3	611.9	616.5	619.5	621.8	622.4
10°	611.2	613.9	616.8	621.1	625.7	634.0	638.0	642.6	645.6	650.2	651.2
12.5°	641.6	644.9	646.9	653.5	659.4	667.4	673.0	674.3	681.2	685.2	689.8
15°	692.8	697.7	704.7	708.6	715.2	722.2	727.1	733.7	734.7	740.0	743.6
17.5°	755.5	762.5	776.7	786.2	794.8	801.7	811.7	819.3	820.9	826.8	819.3
20°	843.4	860.2	862.5	881.7	889.3	903.1	922.9	926.6	936.1	926.6	921.0
22.5°	962.2	988.6	995.9	1014.4	1023.7	1044.8	1050.7	1070.2	1076.8	1069.6	1054.4
25°	1098.9	1139.9	1161.0	1189.4	1194.0	1237.3	1241.9	1264.7	1252.5	1235.0	1235.3
27.5°	1199.7	1269.3	1323.8	1372.4	1406.4	1455.2	1493.2	1503.8	1492.2	1469.4	1461.5
30°	1257.1	1336.0	1414.3	1481.3	1560.6	1635.2	1712.8	1751.4	1758.0	1769.9	1722.0
32.5°	1294.1	1395.5	1488.6	1571.5	1652.7	1748.8	1852.8	1952.2	2035.7	2098.8	2069.1
35°	1325.1	1450.3	1569.5	1669.9	1766.0	1870.6	1975.6	2092.9	2231.2	2312.1	2329.0
37.5°	1337.7	1490.6	1636.5	1765.3	1900.4	2018.2	2122.6	2226.9	2372.2	2516.5	2561.1
40°	1335.4	1510.4	1676.5	1838.3	2003.7	2151.0	2273.2	2396.7	2566.7	2735.5	2808.1
42.5°	1319.8	1513.4	1701.9	1886.8	2075.4	2271.2	2427.4	2569.7	2732.8	2949.1	3051.8
45°	1300.4	1503.1	1707.2	1911.6	2128.5	2355.1	2552.5	2728.5	2919.7	3133.4	3257.5
47.5°	1274.0	1486.9	1700.6	1920.2	2152.3	2408.9	2641.0	2852.7	3063.0	3309.0	3466.5
50°	1245.2	1463.8	1687.0	1913.9	2158.3	2438.3	2691.5	2932.6	3178.3	3443.8	3642.9
52.5°	1225.1	1439.1	1674.8	1901.0	2152.3	2447.2	2710.0	2975.5	3248.9	3523.3	3761.1
55°	1200.3	1406.0	1642.1	1871.0	2130.5	2442.2	2708.1	2990.4	3268.4	3554.0	3825.5
57.5°	1202.0	1390.8	1614.4	1835.0	2085.9	2396.3	2670.7	2975.5	3237.7	3534.2	3827.8
60°	1254.1	1423.5	1628.9	1842.2	2072.7	2367.3	2607.3	2879.8	3147.6	3465.9	3774.3
62.5°	1361.8	1517.0	1703.6	1914.9	2147.0	2425.4	2578.6	2720.6	2958.4	3340.1	3683.2
65°	1490.2	1630.2	1792.0	1993.1	2253.4	2519.8	2562.4	2591.2	2711.4	3095.4	3512.1
67.5°	1618.7	1743.8	1871.0	2037.7	2313.8	2546.9	2496.4	2428.0	2492.8	2811.1	3176.0
70°	1664.9	1831.0	1914.6	2029.1	2267.9	2483.8	2389.7	2217.7	2240.1	2529.4	2796.2
72.5°	1595.6	1832.3	1860.1	1902.7	2063.5	2266.6	2167.2	1945.9	1941.3	2162.2	2377.8
75°	1338.3	1671.5	1671.2	1655.3	1691.7	1807.2	1755.7	1622.3	1678.8	1852.8	1923.8
77.5°	954.0	1304.3	1320.8	1214.2	1211.5	1263.7	1294.8	1450.0	1654.7	1752.4	1730.0
80°	599.3	880.0	951.0	819.3	791.2	865.2	1057.0	1282.9	1534.8	1622.7	1547.0
82.5°	360.9	567.0	718.2	643.6	637.0	771.7	983.7	1071.5	1147.1	1240.6	1114.1
85°	245.0	377.8	491.4	506.2	564.0	703.3	795.5	756.5	758.5	734.1	668.7
87.5°	46.9	103.0	168.4	205.4	227.8	306.1	332.9	301.5	318.3	232.8	254.6
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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	580.2	580.2	580.2	578.5	578.9	576.5	575.6	575.6	574.6	574.6	574.2
5°	598.3	596.4	597.3	597.0	597.0	593.7	592.1	592.1	587.8	588.1	586.8
7.5°	625.4	625.1	626.1	624.1	621.5	618.8	616.2	614.9	608.9	605.3	603.0
10°	656.1	655.8	656.8	656.5	651.8	646.9	639.6	634.3	627.1	621.5	615.8
12.5°	689.8	689.5	688.8	685.8	680.9	673.0	663.7	654.8	643.9	636.6	628.4
15°	742.3	741.3	737.4	733.1	727.8	715.6	699.4	686.5	672.0	659.4	645.9
17.5°	819.9	811.7	811.0	801.4	787.2	771.0	755.9	734.4	713.6	694.8	676.3
20°	926.9	907.7	902.5	891.6	872.7	855.9	822.9	794.2	765.8	740.0	716.6
22.5°	1043.5	1029.6	1016.7	998.9	973.1	948.7	906.8	870.8	834.4	801.4	775.3
25°	1206.3	1182.2	1159.0	1130.6	1095.0	1065.9	1018.0	981.7	934.2	904.1	866.5
27.5°	1416.6	1375.3	1336.4	1311.9	1249.2	1206.9	1145.8	1098.9	1041.5	1000.9	956.3
30°	1690.3	1642.5	1584.7	1500.1	1425.5	1341.6	1266.0	1205.9	1144.8	1088.0	1036.5
32.5°	2029.8	1945.3	1853.8	1719.7	1597.2	1477.7	1377.0	1303.0	1240.6	1169.9	1097.3
35°	2316.8	2229.6	2099.8	1929.4	1778.2	1641.5	1520.9	1419.9	1338.3	1248.9	1152.8
37.5°	2543.3	2443.9	2322.0	2141.1	1981.3	1825.7	1699.3	1570.5	1463.5	1340.3	1218.8
40°	2802.8	2703.1	2569.0	2381.5	2192.3	2023.5	1875.3	1742.2	1610.8	1460.5	1304.3
42.5°	3029.0	2957.0	2821.3	2627.5	2417.8	2229.9	2067.8	1915.5	1743.8	1575.8	1390.8
45°	3264.8	3191.5	3062.7	2859.9	2637.1	2427.7	2233.9	2070.1	1867.3	1667.2	1455.6
47.5°	3473.1	3397.9	3267.8	3066.3	2829.6	2609.0	2395.7	2197.5	1962.1	1732.3	1497.8
50°	3671.9	3579.8	3460.6	3259.8	3006.9	2771.1	2539.6	2285.4	2035.7	1777.9	1526.6
52.5°	3854.5	3737.3	3624.4	3417.7	3144.3	2897.9	2639.7	2360.0	2081.0	1813.8	1546.0
55°	3958.2	3882.6	3747.6	3544.5	3242.0	2985.1	2703.1	2412.5	2125.9	1839.3	1554.3
57.5°	3990.3	3971.8	3858.5	3617.8	3299.5	3033.0	2746.0	2454.1	2155.9	1846.5	1542.7
60°	3964.8	3998.5	3936.4	3669.3	3325.5	3047.2	2767.2	2483.8	2161.2	1823.4	1507.7
62.5°	3883.3	3959.9	3952.0	3686.5	3312.0	3029.3	2764.8	2468.6	2111.7	1751.4	1429.1
65°	3749.2	3845.6	3879.6	3622.7	3235.7	2964.3	2706.1	2373.2	1974.0	1610.8	1297.4
67.5°	3496.9	3642.9	3675.9	3414.0	3036.3	2784.3	2536.7	2175.1	1719.1	1393.2	1091.7
70°	2991.4	3246.6	3291.2	3016.5	2684.6	2463.4	2253.4	1861.1	1431.5	1117.4	837.7
72.5°	2388.1	2548.6	2639.7	2450.5	2203.5	2043.0	1883.8	1427.8	1080.1	824.5	576.5
75°	1867.0	1857.4	1939.0	1813.2	1667.9	1592.9	1473.4	996.2	723.5	546.2	364.9
77.5°	1596.2	1473.4	1380.6	1292.1	1205.9	1182.2	1067.6	618.2	447.1	327.2	218.3
80°	1326.8	1102.6	933.2	808.7	778.0	824.9	698.7	364.6	264.8	187.9	137.0
82.5°	948.0	793.2	645.6	566.6	514.1	588.8	412.1	202.4	143.6	112.6	90.8
85°	614.5	587.4	581.2	555.4	491.7	464.3	313.0	174.4	107.6	70.0	56.5
87.5°	236.4	303.1	349.7	374.8	405.2	360.9	163.1	60.1	59.1	36.3	27.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	571.9	570.6	570.3	569.3	568.6	568.6	567.0	536.9	536.6	536.6	536.3
5°	584.1	582.5	580.8	580.5	579.2	579.2	577.5	547.5	547.5	547.5	546.8
7.5°	600.7	597.3	595.4	594.4	592.4	593.4	594.7	564.3	564.7	564.3	565.0
10°	612.5	610.6	608.2	607.6	606.3	607.3	609.2	579.2	580.2	580.5	581.2
12.5°	624.1	620.8	617.8	616.8	616.2	618.8	621.1	592.1	593.1	594.0	594.0
15°	638.3	632.7	628.7	626.4	625.1	627.7	631.0	602.3	602.6	603.6	603.3
17.5°	662.4	654.1	644.9	643.2	639.0	639.9	640.6	608.6	607.3	604.9	601.0
20°	699.7	687.2	674.6	669.3	660.8	657.1	649.9	608.9	600.7	593.7	587.8
22.5°	753.2	734.7	721.2	712.3	694.8	682.5	662.7	607.3	591.7	579.8	570.6
25°	839.7	817.6	796.8	774.3	746.9	722.5	693.4	621.8	597.7	577.2	559.4
27.5°	923.9	888.9	856.9	823.2	784.6	747.9	707.0	626.4	599.0	572.6	543.5
30°	987.0	936.1	887.6	838.4	787.9	740.3	694.1	610.6	577.9	548.1	517.4
32.5°	1025.3	959.3	896.2	835.1	775.7	722.2	670.3	583.2	547.2	512.2	479.5
35°	1061.6	979.7	901.5	829.5	761.5	702.0	646.2	551.1	508.2	470.9	429.6
37.5°	1106.5	1001.2	904.8	819.3	740.7	672.6	611.2	510.8	467.9	422.0	383.0
40°	1160.4	1023.3	901.5	798.8	708.3	634.0	569.0	468.6	420.7	376.1	337.8
42.5°	1211.5	1042.8	892.9	771.4	673.0	593.7	530.3	430.9	383.0	337.5	299.5
45°	1249.5	1059.3	888.6	752.2	645.9	566.3	496.3	400.5	350.0	304.1	265.5
47.5°	1275.9	1069.2	886.6	741.7	627.1	537.9	465.3	370.2	317.0	270.8	233.1
50°	1289.8	1068.9	881.7	730.1	599.3	503.9	433.2	339.5	286.6	241.4	207.0
52.5°	1293.4	1062.9	871.1	709.0	565.6	469.9	398.9	307.4	259.9	216.6	181.9
55°	1285.2	1048.4	849.0	673.6	529.7	433.9	367.5	282.3	233.8	192.8	165.8
57.5°	1261.7	1022.7	807.4	625.1	491.7	400.5	331.5	252.0	205.4	171.0	148.6
60°	1218.1	968.2	742.3	567.6	443.5	349.7	282.0	212.3	175.3	149.6	131.4
62.5°	1137.6	882.7	650.8	488.4	374.1	283.7	225.2	169.4	141.7	124.8	113.6
65°	1007.8	753.9	544.8	384.7	284.3	206.4	167.4	127.5	107.3	97.1	93.8
67.5°	822.6	582.2	396.3	267.1	192.5	144.6	116.6	93.1	83.5	79.6	78.3
70°	598.0	396.6	256.6	168.7	127.1	101.0	88.2	75.0	69.7	68.7	68.7
72.5°	375.4	241.1	157.2	115.6	96.4	81.9	75.3	66.0	64.1	63.4	62.4
75°	220.3	146.3	111.3	94.8	82.6	73.3	67.7	60.1	58.8	58.4	57.5
77.5°	140.3	105.3	89.8	80.9	74.6	66.4	61.4	53.5	53.2	52.8	52.5
80°	100.7	87.5	78.6	71.7	65.4	57.8	54.8	48.5	47.9	47.6	48.2
82.5°	76.3	72.3	68.7	63.4	54.8	49.2	46.9	42.6	42.9	41.3	40.9
85°	52.5	51.8	51.5	49.2	42.9	38.0	36.3	34.0	35.7	34.0	32.0
87.5°	25.8	25.4	23.4	27.7	25.8	20.5	18.5	20.5	22.8	22.1	20.5
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	534.9	533.6	534.6	533.9	533.9	533.6	534.3	533.3	532.6	533.3	533.6
5°	545.5	543.9	544.2	541.9	542.9	540.6	541.2	539.6	537.9	537.3	537.3
7.5°	563.3	561.7	559.7	559.4	555.7	554.4	552.1	550.8	549.8	547.5	546.2
10°	579.5	576.9	574.6	574.2	570.6	567.3	564.3	561.7	560.0	556.7	555.1
12.5°	592.7	590.1	586.5	584.5	580.8	576.9	574.9	570.9	568.6	565.0	562.0
15°	600.3	595.7	590.4	586.8	581.5	577.2	574.2	571.3	569.0	564.3	560.0
17.5°	596.7	589.1	581.8	575.2	568.0	564.0	559.7	556.1	555.4	550.1	543.5
20°	581.5	572.6	563.0	554.1	544.5	538.9	533.6	528.0	526.4	520.1	511.5
22.5°	563.0	552.8	541.9	531.0	518.8	510.8	502.9	496.0	490.4	481.1	468.9
25°	544.2	529.0	513.1	499.3	485.1	475.2	466.9	459.3	452.7	437.9	425.3
27.5°	519.4	495.6	479.5	463.6	446.4	433.6	424.3	413.8	406.5	389.3	376.1
30°	487.7	463.9	440.8	425.0	407.8	393.9	382.1	366.9	356.3	343.7	331.5
32.5°	447.8	424.0	400.5	382.7	368.5	351.3	336.5	322.0	309.7	297.5	287.9
35°	399.2	376.1	354.0	336.2	320.3	306.8	292.6	280.0	266.1	252.9	247.3
37.5°	348.0	323.3	298.8	283.3	270.8	261.2	248.0	237.8	225.2	217.3	210.7
40°	303.5	277.0	253.9	240.7	230.8	219.9	209.0	201.1	192.2	184.3	179.3
42.5°	265.8	241.1	221.2	210.0	198.1	186.2	178.0	171.4	165.8	159.8	153.9
45°	231.1	207.4	190.9	177.0	167.1	157.5	151.9	148.9	145.6	142.0	138.0
47.5°	202.1	181.6	165.4	152.6	142.3	135.7	133.1	132.1	130.8	127.8	125.8
50°	180.0	163.1	146.6	135.1	126.5	123.2	120.2	119.2	117.6	116.6	115.2
52.5°	161.5	143.6	129.8	119.2	113.9	112.6	111.3	110.0	109.6	109.0	108.3
55°	146.3	130.8	117.9	110.0	107.3	106.3	106.0	104.7	104.3	104.3	103.4
57.5°	132.7	119.5	108.0	103.0	101.4	100.4	99.7	99.1	99.1	99.7	99.4
60°	118.9	107.6	100.7	98.1	97.1	95.4	93.8	93.1	93.4	95.1	95.1
62.5°	105.3	97.1	92.8	91.8	90.8	89.5	87.5	86.8	87.5	89.5	90.5
65°	90.5	86.8	85.5	84.9	84.2	83.2	81.9	81.2	81.6	82.6	83.9
67.5°	76.9	76.6	76.6	76.9	76.6	76.3	75.6	74.6	74.3	74.3	75.0
70°	68.7	68.7	69.7	69.7	69.3	69.3	68.4	67.4	66.7	66.0	66.4
72.5°	62.4	62.4	62.7	63.1	62.7	62.7	61.4	60.8	59.1	58.8	58.1
75°	57.1	56.5	56.5	56.1	55.8	56.1	54.8	53.2	52.5	52.2	51.5
77.5°	51.8	50.5	49.9	49.2	49.5	49.2	48.2	47.2	46.2	45.9	45.6
80°	45.9	43.9	42.9	41.3	42.3	42.6	41.9	40.9	40.6	40.3	40.0
82.5°	38.0	36.0	34.7	33.7	33.0	33.7	34.7	37.0	36.3	36.0	35.3
85°	29.7	26.4	24.8	25.1	23.4	23.8	26.7	28.1	28.1	28.7	28.1
87.5°	16.8	16.2	12.2	11.2	11.9	14.2	15.9	17.5	17.5	16.5	18.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	533.6	534.3	534.6	535.9	536.6	536.9	537.3	537.9	538.2	537.9	539.6
5°	536.3	536.3	535.6	536.6	536.9	536.9	536.3	536.9	536.9	536.9	538.6
7.5°	543.2	541.2	540.2	538.9	537.9	536.6	534.9	534.9	534.6	534.9	535.9
10°	550.5	547.5	543.9	540.6	537.6	535.3	532.3	531.3	531.0	530.6	533.3
12.5°	556.1	550.8	545.2	539.6	533.6	529.7	524.7	521.7	521.4	521.4	524.7
15°	552.1	543.5	532.6	522.7	517.4	511.8	506.2	502.6	502.2	502.9	504.9
17.5°	532.3	518.4	508.9	499.3	492.3	487.7	484.1	483.4	484.7	483.4	486.1
20°	498.6	483.8	477.2	469.6	466.9	463.6	458.3	453.7	453.7	447.8	449.4
22.5°	455.0	446.8	438.2	432.2	430.3	424.7	419.0	412.8	412.1	404.8	403.8
25°	409.5	401.2	394.3	392.9	387.0	379.4	374.1	366.9	365.2	357.9	357.0
27.5°	362.9	356.3	349.4	345.4	342.1	333.8	329.2	320.6	317.3	309.4	308.4
30°	318.7	314.0	305.8	302.5	296.2	286.6	276.7	271.4	268.8	260.5	257.9
32.5°	277.0	269.8	263.5	259.5	251.6	240.7	231.8	224.2	219.3	209.4	206.7
35°	237.4	230.2	227.2	216.9	210.0	202.7	190.5	185.9	177.0	169.4	166.8
37.5°	202.4	195.5	191.5	182.9	176.0	168.7	161.5	155.5	151.2	149.6	149.6
40°	172.4	168.7	163.8	157.5	152.9	147.6	143.6	141.7	141.3	142.0	143.6
42.5°	150.9	146.9	143.6	140.3	137.0	136.4	135.4	136.7	138.4	140.0	141.7
45°	134.7	131.4	129.4	128.1	127.8	128.8	130.8	132.7	135.7	137.7	139.0
47.5°	123.2	120.5	119.9	119.5	121.2	124.2	126.8	129.8	132.1	134.1	135.4
50°	113.3	111.0	110.6	110.3	112.6	115.2	117.6	121.5	123.2	124.5	125.5
52.5°	106.3	104.3	103.4	103.7	106.0	108.3	111.6	114.6	116.9	117.9	118.9
55°	100.7	100.1	97.7	98.7	101.0	104.0	107.3	110.6	112.9	114.6	116.2
57.5°	96.4	94.8	93.1	94.8	97.1	100.1	104.0	107.0	110.0	112.3	113.9
60°	91.8	90.5	89.2	90.8	93.1	96.1	99.1	103.0	106.7	109.0	110.6
62.5°	87.8	86.8	85.5	85.9	86.8	88.8	90.5	94.1	97.4	100.4	102.4
65°	82.2	81.9	79.9	80.2	80.9	82.9	84.2	87.5	90.8	93.4	95.1
67.5°	74.0	73.3	73.3	74.3	74.6	75.6	76.6	79.9	82.6	84.5	86.5
70°	65.7	65.4	65.4	66.0	65.7	66.7	68.0	71.0	74.3	76.3	78.3
72.5°	57.8	57.8	57.5	58.1	58.1	58.4	60.1	62.7	65.7	67.4	68.7
75°	50.9	50.5	50.5	50.5	50.9	50.9	52.5	54.8	57.8	58.8	60.8
77.5°	44.6	44.6	44.6	44.6	44.9	44.6	45.6	47.2	48.2	49.9	49.9
80°	39.3	39.0	39.3	39.6	39.6	39.3	39.3	39.6	40.0	40.0	40.0
82.5°	34.7	33.7	34.3	36.0	36.0	36.0	35.7	33.4	31.7	31.7	32.4
85°	27.7	27.7	28.1	30.4	30.7	29.4	30.7	27.4	24.1	23.1	23.8
87.5°	17.2	13.5	16.5	18.8	18.8	17.8	19.8	18.5	15.5	12.5	11.9
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	0°
2.5°	540.9	541.2	543.2	544.2	544.2	545.5	546.2	548.1	547.8	547.8	548.5	2.5°
5°	540.2	541.2	543.2	544.5	545.2	546.8	548.1	550.5	550.1	550.8	551.1	5°
7.5°	537.9	540.6	542.5	545.2	547.5	548.8	550.5	552.4	551.8	552.1	551.8	7.5°
10°	535.9	538.6	542.5	546.2	549.5	551.5	552.4	554.8	554.4	555.1	555.1	10°
12.5°	528.0	532.6	537.6	543.2	548.1	553.4	556.7	561.7	564.0	567.0	570.3	12.5°
15°	507.9	513.1	521.1	527.3	536.9	544.2	553.8	563.3	571.9	580.2	589.8	15°
17.5°	488.1	490.4	496.6	505.2	513.8	524.7	536.3	553.4	569.0	585.8	604.3	17.5°
20°	451.4	455.4	459.7	469.9	480.1	495.6	509.8	532.3	555.1	581.5	609.9	20°
22.5°	406.2	410.1	414.7	426.3	438.8	454.7	471.9	497.0	527.3	561.7	599.7	22.5°
25°	357.3	359.6	363.2	374.8	382.4	403.2	424.0	450.1	483.1	527.3	571.6	25°
27.5°	303.5	307.8	310.7	316.0	333.5	351.3	373.1	401.2	441.2	486.4	539.9	27.5°
30°	252.0	255.6	253.9	265.2	276.7	295.5	319.0	350.0	388.3	442.2	503.9	30°
32.5°	201.4	204.1	203.1	211.0	222.6	241.4	263.5	297.2	337.8	395.3	462.3	32.5°
35°	166.1	166.8	170.4	174.0	183.9	199.1	217.9	247.3	288.9	341.8	412.8	35°
37.5°	149.6	150.9	153.2	158.2	165.4	176.3	191.9	214.6	250.3	296.9	360.3	37.5°
40°	144.6	145.6	146.9	150.2	157.2	166.8	180.6	199.8	225.9	265.2	316.7	40°
42.5°	142.3	142.3	142.3	144.3	149.6	159.8	175.7	194.5	217.3	247.0	288.6	42.5°
45°	139.0	139.0	138.7	139.7	143.3	153.5	170.7	191.9	216.3	244.7	280.7	45°
47.5°	135.4	135.1	134.1	134.1	136.4	146.6	164.4	187.2	214.0	246.7	285.3	47.5°
50°	125.5	125.5	125.5	126.5	128.5	137.7	156.8	181.0	211.7	248.0	292.6	50°
52.5°	119.9	120.2	121.2	121.2	123.2	132.7	152.9	179.6	213.0	252.9	301.8	52.5°
55°	117.2	118.2	119.2	119.2	120.9	130.8	151.6	180.6	217.9	263.2	317.7	55°
57.5°	114.9	115.9	116.6	116.6	117.9	126.5	147.9	179.0	220.9	273.1	337.1	57.5°
60°	110.6	111.3	111.6	111.6	111.9	119.2	139.7	171.0	214.3	272.4	347.7	60°
62.5°	102.7	104.0	104.3	104.7	104.7	111.6	129.1	158.2	200.1	262.5	344.7	62.5°
65°	96.8	97.4	98.4	99.1	100.4	105.0	118.9	142.7	181.6	242.7	328.2	65°
67.5°	87.5	88.5	89.5	90.8	92.1	95.1	106.0	125.1	156.5	209.0	291.2	67.5°
70°	79.3	79.6	80.6	82.2	82.6	84.2	92.1	105.3	128.1	167.7	234.4	70°
72.5°	69.0	69.7	71.0	73.0	73.0	74.3	78.9	85.9	100.4	128.1	173.0	72.5°
75°	60.1	60.8	61.7	61.7	60.1	60.4	63.7	68.7	79.6	96.4	126.1	75°
77.5°	49.9	51.2	52.2	50.2	49.5	50.5	52.2	55.8	63.7	76.6	94.8	77.5°
80°	41.3	41.9	42.3	42.6	41.9	42.9	44.2	46.6	51.8	61.7	75.0	80°
82.5°	33.0	33.7	34.7	36.0	36.0	39.6	40.0	40.0	42.9	49.2	58.8	82.5°
85°	24.4	25.8	27.1	28.7	29.1	31.0	30.0	29.7	30.7	36.7	40.6	85°
87.5°	12.5	13.5	14.2	15.5	13.9	14.5	14.5	13.5	11.9	14.9	16.5	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°
551.8	551.8	551.8	551.8	551.8	551.8	551.8
549.1	548.5	549.1	549.1	550.1	549.5	584.5
551.8	551.1	551.8	552.4	553.4	553.4	592.1
552.1	552.1	551.5	553.1	554.4	555.7	599.3
556.1	556.1	556.7	557.1	560.0	563.3	611.2
572.3	573.9	576.9	577.9	583.2	586.8	641.6
597.0	606.3	612.2	614.2	618.8	625.7	692.8
622.1	637.6	653.8	663.7	669.7	677.9	755.5
640.9	670.0	697.7	722.5	736.7	752.9	843.4
642.6	688.8	735.7	781.6	819.6	849.6	962.2
626.7	687.5	752.2	822.6	887.9	942.1	1098.9
606.6	681.2	763.8	853.6	939.4	1019.4	1199.7
581.2	670.7	765.8	866.8	967.5	1063.6	1257.1
542.5	639.3	742.0	853.6	970.5	1087.4	1294.1
493.0	591.7	697.1	824.2	956.6	1097.0	1325.1
442.5	539.9	653.2	784.9	934.5	1095.3	1337.7
389.0	485.7	601.6	743.0	904.4	1080.1	1335.4
352.7	440.8	554.4	700.4	871.1	1060.0	1319.8
331.5	408.8	517.1	661.4	840.7	1035.9	1300.4
331.2	399.2	497.3	633.7	810.0	1009.1	1274.0
342.8	405.2	495.0	621.8	793.2	989.6	1245.2
356.3	421.7	507.2	626.1	792.8	981.1	1225.1
377.8	449.7	533.9	644.6	801.4	979.7	1200.3
405.2	487.7	582.2	690.1	834.8	1005.8	1202.0
433.2	532.3	645.2	768.1	900.5	1066.6	1254.1
443.5	566.6	709.3	859.5	998.9	1157.7	1361.8
434.6	574.6	748.3	930.5	1094.6	1264.4	1490.2
401.5	542.5	732.4	950.7	1149.8	1340.0	1618.7
330.5	463.0	660.4	905.4	1145.5	1355.5	1664.9
242.4	358.9	536.9	769.4	1018.4	1258.4	1595.6
175.0	253.9	387.7	579.5	805.1	1013.4	1338.3
125.5	176.0	251.6	380.7	548.5	705.7	954.0
90.1	119.5	156.8	228.5	334.2	433.2	599.3
66.4	81.9	103.0	142.0	196.8	252.3	360.9
45.2	48.2	62.1	83.9	129.1	185.6	245.0
17.2	19.5	22.8	34.3	57.8	66.4	46.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)