

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: P165392

Luminaire Tested: **VTS-F06-LED-E1-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165392
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-SL4-HSS
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9958.3 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

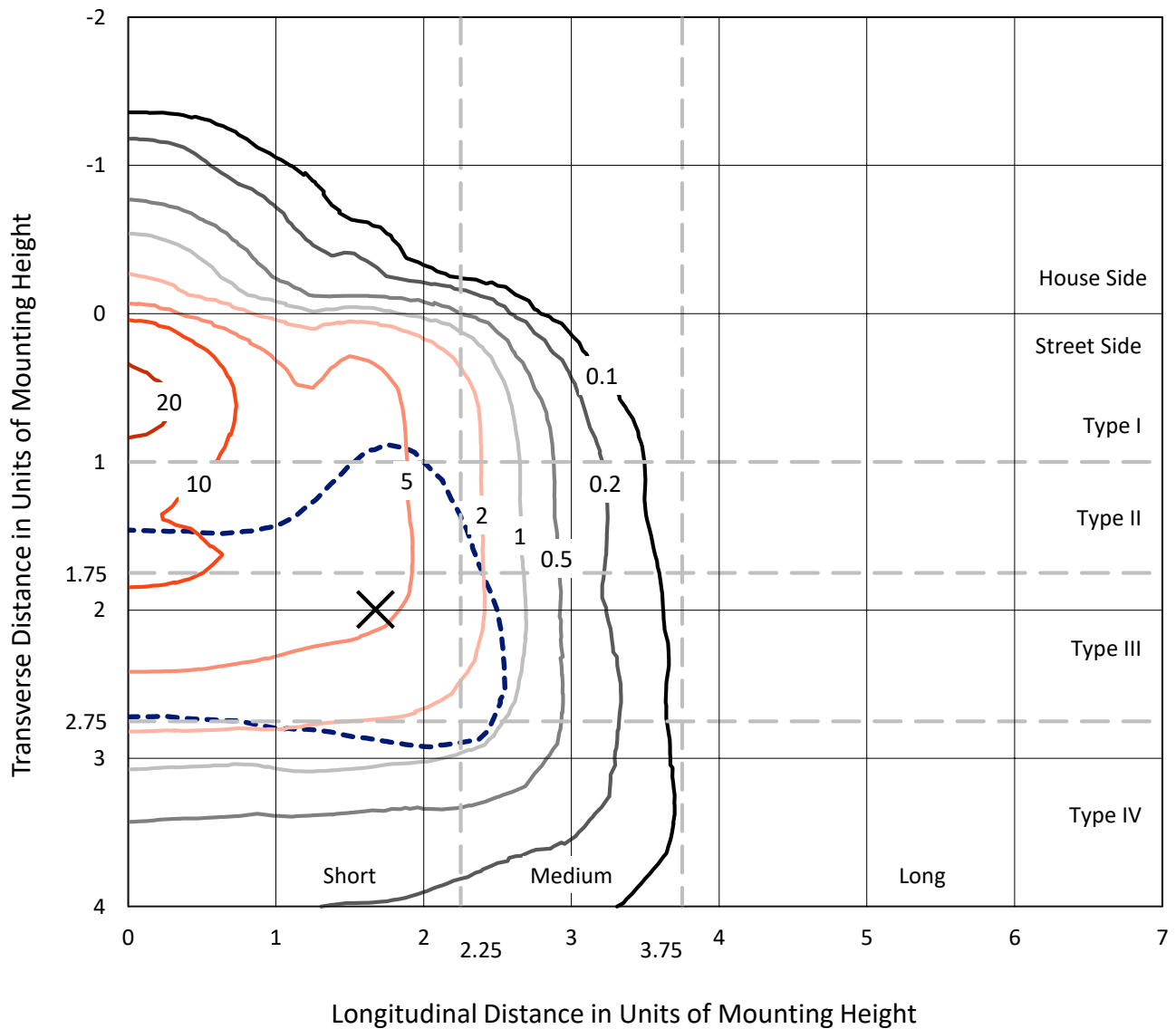
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

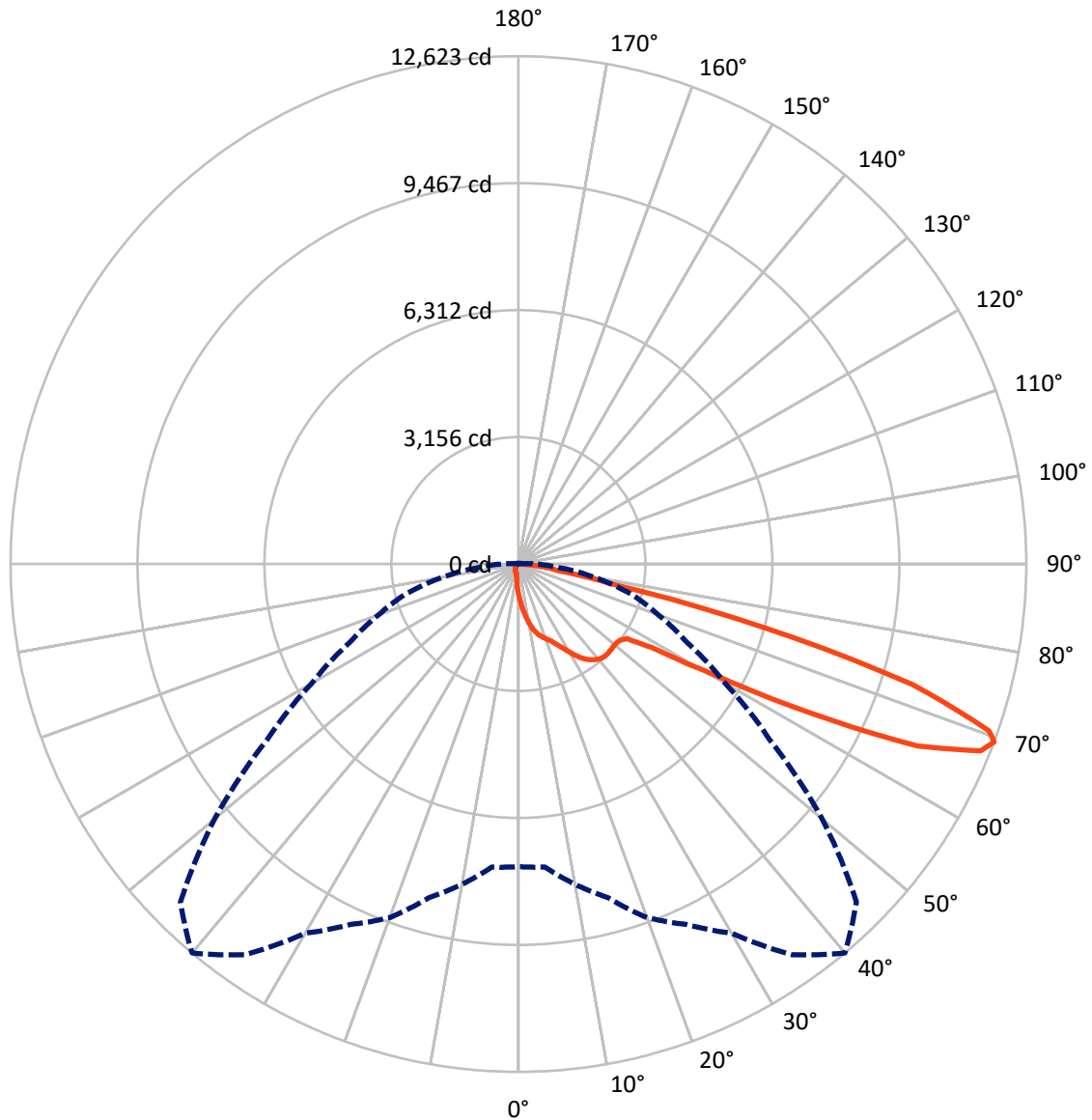


Based on 10 foot mounting height. Maximum calculated value = 22.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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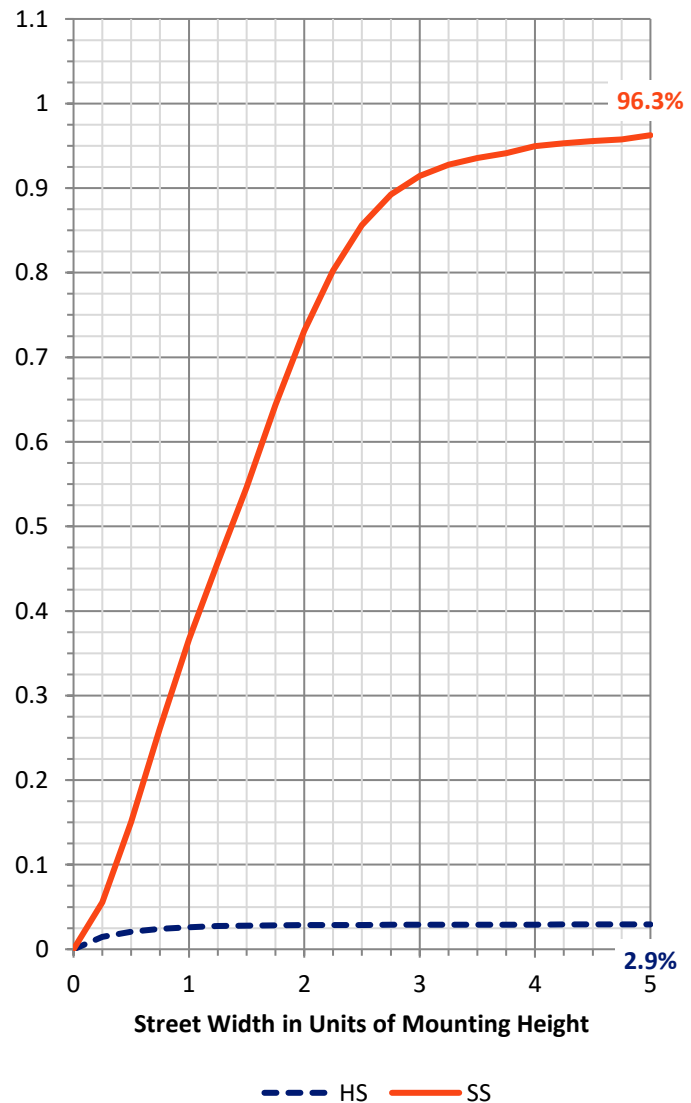
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	296.5	0.0	296.5
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	9661.7	0.0	9661.7
	% Fixture	97.0	0.0	97.0
Total	Lumens	9958.3	0.0	9958.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	0.8
10°-20°	266.5	2.7
20°-30°	510.1	5.1
30°-40°	848.3	8.5
40°-50°	1147.8	11.5
50°-60°	1795.1	18.0
60°-70°	3690.7	37.1
70°-80°	1485.1	14.9
80°-90°	137.4	1.4
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°	9958.3	100.0
0°-180°	9958.3	100.0

Coefficient of Utilization



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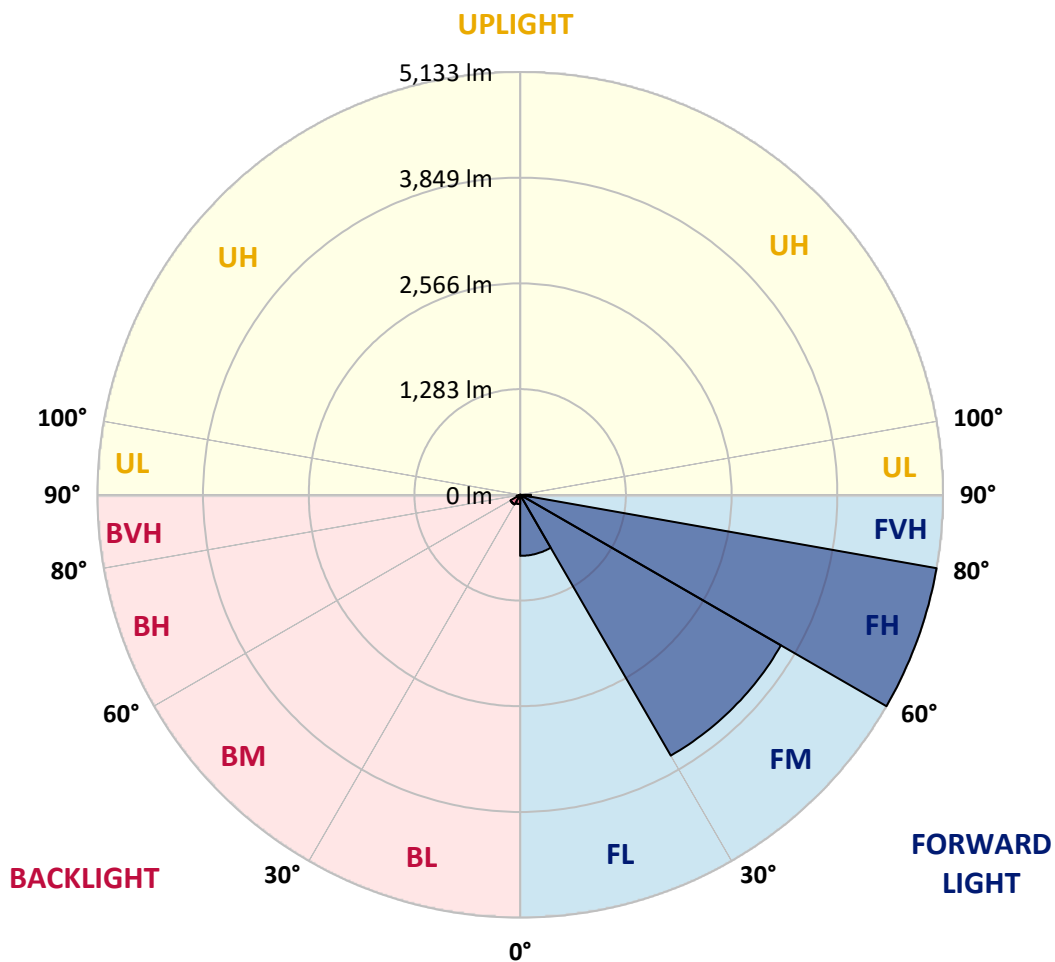
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	741.1	7.4			
FM (30°-60°)	3655.8	36.7			
FH (60°-80°)	5132.5	51.5			G3/7500
FVH (80°-90°)	132.3	1.3			G2/225
BL (0°-30°)	112.8	1.1	B1/500		
BM (30°-60°)	135.4	1.4	B0/220		
BH (60°-80°)	43.3	0.4	B0/110		G0/110
BVH (80°-90°)	5.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1
2.5°	1003.3	991.8	978.7	978.7	962.5	962.5	952.7	926.6	923.4	908.6	893.9
5°	1280.6	1270.8	1254.5	1239.8	1226.8	1203.9	1187.6	1156.6	1122.4	1089.7	1060.4
7.5°	1551.4	1546.5	1517.1	1512.2	1491.0	1453.6	1420.9	1375.2	1316.4	1270.8	1217.0
10°	1802.6	1791.2	1784.6	1756.9	1726.0	1685.2	1634.5	1579.2	1510.6	1438.8	1362.1
12.5°	2001.7	1995.1	1965.7	1954.3	1921.7	1880.9	1817.3	1745.5	1677.0	1584.0	1494.3
15°	2150.1	2138.7	2119.1	2101.1	2062.0	2026.1	1967.4	1889.0	1805.9	1704.8	1597.1
17.5°	2274.1	2252.9	2247.9	2220.2	2179.5	2137.0	2071.8	2000.0	1902.1	1801.0	1683.5
20°	2440.4	2411.1	2401.3	2360.5	2313.2	2254.5	2179.5	2089.7	1986.9	1876.1	1755.3
22.5°	2636.2	2615.0	2593.8	2557.9	2497.6	2414.4	2305.1	2207.2	2076.7	1954.3	1823.8
25°	2913.5	2895.6	2861.3	2812.4	2737.3	2637.8	2505.7	2362.2	2208.8	2052.2	1898.8
27.5°	3182.7	3166.4	3141.9	3104.4	3019.5	2910.3	2747.1	2564.4	2370.3	2181.1	2011.4
30°	3435.6	3420.8	3396.4	3358.9	3283.8	3176.2	2991.8	2796.1	2554.6	2334.4	2130.5
32.5°	3708.0	3703.1	3675.3	3621.5	3556.3	3411.1	3210.4	3000.0	2755.3	2500.8	2262.6
35°	4016.3	3978.8	3952.7	3898.8	3788.0	3632.9	3398.1	3168.0	2910.3	2649.2	2383.4
37.5°	4277.3	4241.5	4208.8	4140.3	4004.9	3807.5	3541.6	3288.7	3022.8	2756.9	2486.1
40°	4468.1	4450.2	4411.1	4321.3	4169.7	3934.8	3647.6	3371.9	3104.4	2836.9	2569.3
42.5°	4610.1	4582.4	4538.4	4445.4	4265.9	3998.4	3690.0	3406.2	3141.9	2885.8	2623.2
45°	4662.3	4639.5	4598.7	4497.6	4303.4	4016.3	3688.4	3396.4	3143.6	2900.5	2659.0
47.5°	4631.3	4608.5	4572.5	4477.9	4287.1	3995.1	3659.1	3368.6	3127.2	2905.4	2691.6
50°	4528.6	4515.5	4487.8	4407.8	4236.5	3954.3	3632.9	3354.0	3124.0	2929.9	2737.3
52.5°	4518.8	4510.6	4476.4	4396.4	4221.9	3941.2	3629.7	3362.2	3151.7	2960.9	2770.0
55°	5522.0	5406.2	5146.8	4926.6	4564.4	4133.8	3794.4	3494.2	3269.2	3083.2	2949.4
57.5°	7848.3	7675.4	7334.4	6915.2	6083.2	5265.9	4611.8	4138.7	3905.4	3820.6	3871.1
60°	8938.0	8907.1	8853.2	8654.1	8228.4	7525.3	6742.2	5895.6	5556.2	5526.9	5629.7
62.5°	9455.2	9435.6	9451.9	9427.4	9295.3	9089.7	8864.6	8499.2	8163.1	7946.1	7486.1
65°	9693.3	9706.4	9799.3	9872.7	9889.1	9942.9	10107.7	10562.8	10895.5	10336.0	9058.7
67.5°	9088.0	9164.7	9378.5	9646.0	9959.2	10262.6	10752.0	11711.2	12394.8	11737.4	9923.3
69°	7523.6	7561.2	8083.1	8587.3	9352.3	9887.5	10597.1	11854.8	12623.2	11880.9	9854.8
70°	5923.3	5957.5	6517.2	7202.3	8495.9	9184.3	10112.5	11611.8	12409.4	11690.0	9502.4
72.5°	2672.1	2623.2	2820.5	3187.5	4593.7	5686.8	7310.0	9407.8	10238.2	9365.4	7109.3
75°	1866.2	1845.0	1866.2	1867.8	2086.5	2691.6	3396.4	5099.5	6306.6	5442.1	3396.4
77.5°	1445.3	1430.7	1416.0	1399.7	1425.8	1597.1	1665.5	1809.1	2349.1	2221.9	1295.2
80°	1143.6	1130.5	1166.4	1155.0	1155.0	1174.6	1161.5	1107.6	1006.5	933.1	835.2
82.5°	531.8	535.0	535.0	580.7	699.9	817.3	854.8	801.0	711.3	605.2	487.8
85°	50.5	57.1	96.3	148.5	295.3	332.8	334.4	277.3	277.3	218.6	176.1
87.5°	0.0	1.6	1.6	1.6	14.7	40.8	34.3	9.8	4.9	4.9	8.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1
2.5°	867.9	862.9	843.4	823.8	805.9	786.3	768.3	750.4	730.8	716.1	698.2
5°	1014.7	978.7	938.0	898.9	859.7	819.0	776.6	739.0	699.9	663.9	629.6
7.5°	1163.1	1093.0	1037.5	967.4	903.8	840.2	781.4	721.1	665.6	613.4	564.5
10°	1288.7	1203.9	1117.4	1027.8	936.3	851.5	770.0	698.2	624.8	561.2	500.9
12.5°	1391.5	1283.9	1177.9	1065.2	962.5	854.8	753.7	667.2	580.7	509.0	447.0
15°	1484.5	1360.5	1233.2	1102.8	972.3	850.0	737.3	629.6	541.6	460.0	389.9
17.5°	1559.5	1417.6	1274.0	1127.2	987.0	843.4	716.1	603.6	500.9	416.0	347.5
20°	1624.8	1476.3	1321.4	1156.6	996.8	841.7	698.2	571.0	464.9	375.3	308.3
22.5°	1685.2	1536.7	1370.3	1194.1	1011.4	840.2	681.9	546.5	433.9	344.2	277.3
25°	1753.7	1597.1	1422.5	1233.2	1037.5	846.7	672.1	526.9	406.2	314.8	252.8
27.5°	1830.4	1665.5	1484.5	1282.2	1071.8	859.7	668.9	505.7	381.7	287.1	233.3
30°	1938.0	1747.2	1546.5	1331.1	1102.8	874.4	665.6	492.6	357.2	265.9	213.7
32.5°	2032.7	1827.1	1615.0	1381.7	1137.0	889.1	663.9	474.7	334.4	244.7	199.0
35°	2132.1	1900.5	1673.8	1430.7	1166.4	905.3	662.3	461.6	313.2	223.5	184.4
37.5°	2218.6	1962.4	1719.4	1473.1	1199.1	920.1	663.9	450.2	293.6	205.6	171.3
40°	2292.0	2026.1	1770.0	1512.2	1233.2	942.9	665.6	438.8	274.1	189.2	159.9
42.5°	2357.3	2086.5	1823.8	1556.3	1272.5	969.0	675.4	429.0	257.8	174.5	148.5
45°	2407.8	2141.9	1882.5	1618.3	1336.1	1011.4	693.3	422.5	241.4	161.5	138.7
47.5°	2460.0	2223.5	1982.1	1716.2	1429.1	1078.3	724.3	420.9	228.3	151.7	130.5
50°	2531.9	2305.1	2070.1	1815.6	1513.9	1146.9	761.8	422.5	212.1	142.0	122.3
52.5°	2584.1	2388.2	2184.3	1988.6	1716.2	1355.6	907.0	451.8	203.9	133.7	112.5
55°	2892.3	2858.1	2862.9	2895.6	2685.2	2306.7	1517.1	652.5	239.8	151.7	111.0
57.5°	4078.3	4199.0	4269.1	4267.5	3920.0	3251.2	2037.5	838.5	267.6	176.1	132.2
60°	5637.9	5546.5	5417.7	5099.5	4637.8	3711.3	2278.9	902.2	231.6	140.3	120.8
62.5°	7016.3	6481.2	6006.5	5491.1	4885.8	3871.1	2327.9	897.2	202.3	106.0	84.8
65°	7876.0	6913.5	6146.9	5500.8	4787.9	3737.3	2202.3	823.8	171.3	86.5	70.1
67.5°	8081.6	6680.2	5595.5	4771.6	4000.0	2908.7	1616.6	619.9	133.7	71.8	62.0
69°	7632.9	5938.0	4636.2	3701.5	2910.3	1929.8	1000.0	391.5	102.7	65.3	57.1
70°	7021.2	5164.7	3776.5	2970.6	2155.0	1355.6	699.9	275.7	83.2	60.3	52.2
72.5°	4517.2	2712.8	1856.4	1292.0	889.1	540.0	274.1	124.0	63.6	50.5	42.4
75°	1752.0	1003.3	727.6	553.0	432.3	300.2	166.4	79.9	53.8	42.4	32.6
77.5°	862.9	660.7	540.0	370.3	215.4	133.7	89.8	62.0	44.1	31.0	21.2
80°	681.9	453.5	270.8	168.0	127.2	96.3	68.6	50.5	32.6	19.6	14.7
82.5°	349.1	190.9	140.3	114.2	94.6	75.1	55.5	35.9	21.2	13.1	11.4
85°	109.3	79.9	71.8	70.1	65.3	53.8	39.1	22.9	13.1	8.1	8.1
87.5°	8.1	11.4	14.7	11.4	13.1	11.4	14.7	9.8	6.5	6.5	4.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1
2.5°	685.1	665.6	647.7	636.2	615.0	606.9	598.7	595.5	580.7	584.0	571.0
5°	598.7	564.5	538.3	512.3	487.8	469.9	455.1	437.2	422.5	416.0	402.9
7.5°	520.4	476.4	442.1	414.4	385.0	362.2	342.6	329.5	316.5	303.4	296.9
10°	451.8	404.6	365.4	337.7	310.0	290.4	275.7	265.9	257.8	252.8	251.2
12.5°	388.2	342.6	306.7	282.2	261.0	251.2	244.7	239.8	238.1	236.6	236.6
15°	339.3	293.6	265.9	248.0	238.1	233.3	231.6	228.3	225.2	223.5	223.5
17.5°	293.6	259.3	239.8	230.0	225.2	221.9	218.6	215.4	212.1	210.4	210.4
20°	262.6	234.9	225.2	218.6	213.7	210.4	205.6	202.3	200.7	199.0	197.4
22.5°	238.1	220.2	213.7	208.8	202.3	197.4	194.2	190.9	187.6	185.9	184.4
25°	220.2	208.8	203.9	197.4	190.9	185.9	181.1	176.1	173.0	171.3	168.0
27.5°	207.1	199.0	192.5	184.4	177.8	173.0	168.0	163.2	159.9	156.6	154.9
30°	195.7	187.6	179.4	173.0	164.7	159.9	153.3	148.5	146.8	143.5	140.3
32.5°	184.4	176.1	168.0	159.9	151.7	145.2	142.0	135.4	132.2	130.5	127.2
35°	171.3	163.2	153.3	146.8	138.7	132.2	127.2	122.3	119.1	115.8	114.2
37.5°	159.9	150.1	140.3	132.2	125.6	119.1	114.2	109.3	106.0	102.7	101.1
40°	146.8	137.0	127.2	119.1	112.5	107.7	102.7	97.9	94.6	93.0	93.0
42.5°	135.4	124.0	114.2	107.7	102.7	96.3	91.3	86.5	84.8	83.2	84.8
45°	124.0	112.5	104.4	97.9	93.0	86.5	81.5	78.3	76.7	78.3	79.9
47.5°	114.2	102.7	94.6	89.8	84.8	79.9	75.1	71.8	71.8	75.1	78.3
50°	104.4	93.0	86.5	83.2	78.3	73.4	66.9	65.3	66.9	70.1	73.4
52.5°	94.6	81.5	76.7	75.1	70.1	65.3	60.3	58.7	60.3	63.6	62.0
55°	84.8	71.8	70.1	68.6	63.6	57.1	52.2	52.2	52.2	50.5	47.4
57.5°	81.5	63.6	62.0	60.3	55.5	48.9	45.7	42.4	40.8	35.9	34.3
60°	84.8	57.1	57.1	53.8	48.9	42.4	37.5	32.6	29.3	26.1	26.1
62.5°	68.6	52.2	50.5	47.4	40.8	34.3	29.3	24.5	22.9	21.2	21.2
65°	55.5	47.4	44.1	39.1	34.3	27.7	22.9	19.6	17.9	17.9	19.6
67.5°	50.5	42.4	37.5	32.6	27.7	21.2	17.9	16.3	16.3	17.9	17.9
69°	47.4	39.1	34.3	29.3	24.5	19.6	16.3	16.3	16.3	16.3	17.9
70°	44.1	37.5	32.6	27.7	21.2	16.3	14.7	14.7	16.3	16.3	17.9
72.5°	34.3	29.3	27.7	22.9	16.3	14.7	13.1	14.7	14.7	16.3	16.3
75°	26.1	21.2	21.2	17.9	13.1	11.4	11.4	13.1	13.1	14.7	14.7
77.5°	17.9	14.7	14.7	13.1	11.4	9.8	9.8	11.4	13.1	13.1	14.7
80°	13.1	11.4	9.8	11.4	9.8	8.1	9.8	11.4	11.4	13.1	13.1
82.5°	9.8	9.8	9.8	9.8	8.1	8.1	9.8	9.8	11.4	13.1	13.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	9.8	9.8	11.4	11.4
87.5°	4.9	4.9	4.9	6.5	6.5	8.1	8.1	8.1	8.1	9.8	9.8
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°
0°	752.1	752.1	752.1	752.1
2.5°	567.7	566.0	559.5	561.2
5°	398.0	388.2	394.8	393.2
7.5°	292.0	290.4	288.8	292.0
10°	249.6	249.6	248.0	249.6
12.5°	234.9	234.9	234.9	234.9
15°	223.5	223.5	221.9	221.9
17.5°	210.4	210.4	210.4	208.8
20°	197.4	195.7	195.7	195.7
22.5°	182.7	181.1	181.1	181.1
25°	168.0	166.4	166.4	166.4
27.5°	153.3	151.7	150.1	150.1
30°	138.7	137.0	135.4	135.4
32.5°	124.0	122.3	120.8	120.8
35°	111.0	111.0	109.3	107.7
37.5°	99.6	99.6	99.6	99.6
40°	91.3	93.0	93.0	93.0
42.5°	86.5	88.1	89.8	91.3
45°	83.2	86.5	88.1	88.1
47.5°	81.5	83.2	84.8	84.8
50°	75.1	73.4	73.4	73.4
52.5°	60.3	57.1	55.5	53.8
55°	44.1	42.4	39.1	39.1
57.5°	31.0	31.0	29.3	29.3
60°	24.5	24.5	22.9	24.5
62.5°	21.2	21.2	21.2	21.2
65°	19.6	19.6	19.6	19.6
67.5°	19.6	19.6	19.6	19.6
69°	17.9	17.9	17.9	17.9
70°	17.9	17.9	17.9	17.9
72.5°	16.3	16.3	16.3	16.3
75°	14.7	16.3	16.3	16.3
77.5°	14.7	14.7	14.7	14.7
80°	13.1	13.1	14.7	14.7
82.5°	13.1	13.1	13.1	13.1
85°	11.4	11.4	13.1	13.1
87.5°	9.8	9.8	11.4	11.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)