

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: P165170

Luminaire Tested: **VTS-F06-LED-E1-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165170
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7161.5 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

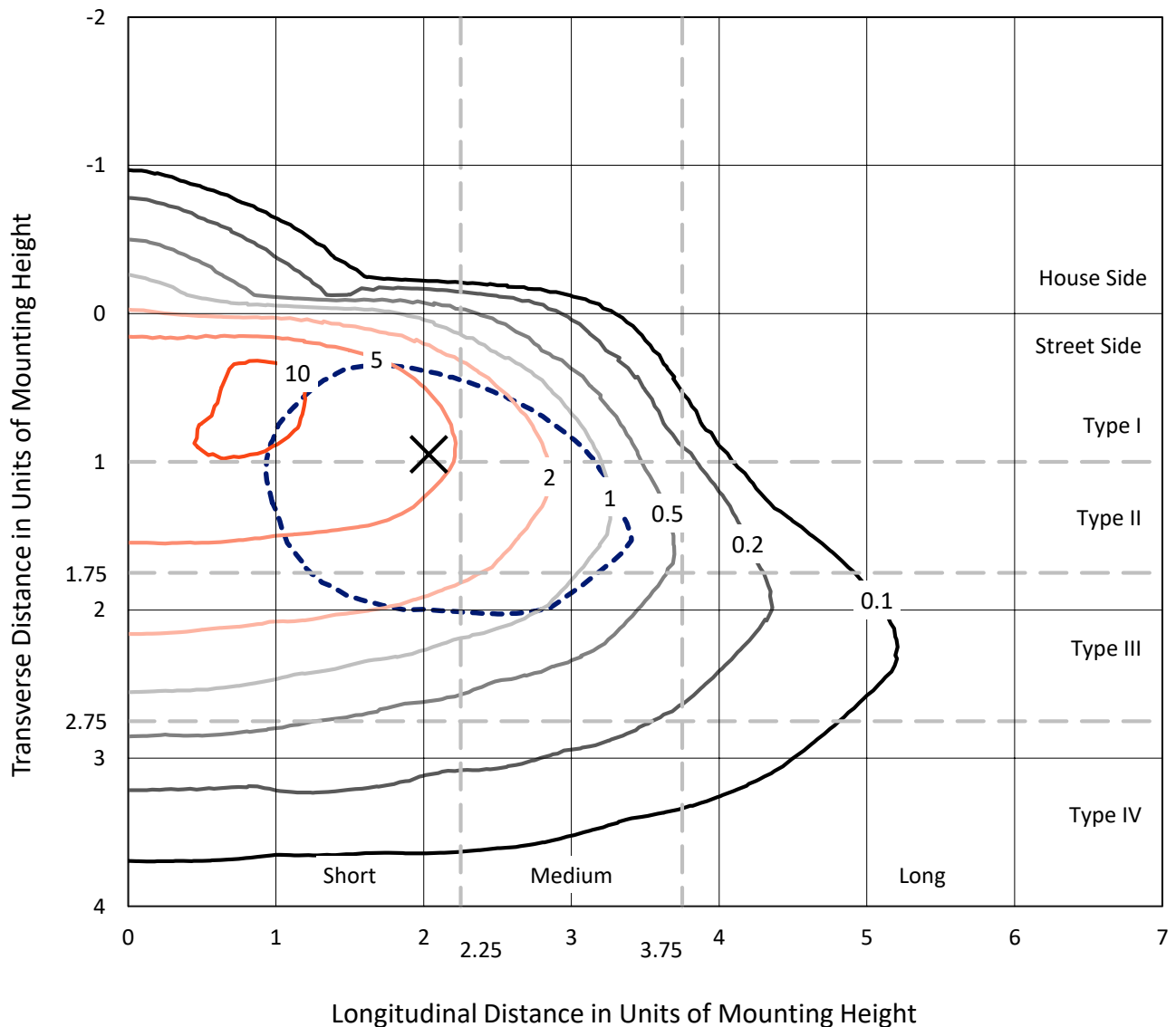
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

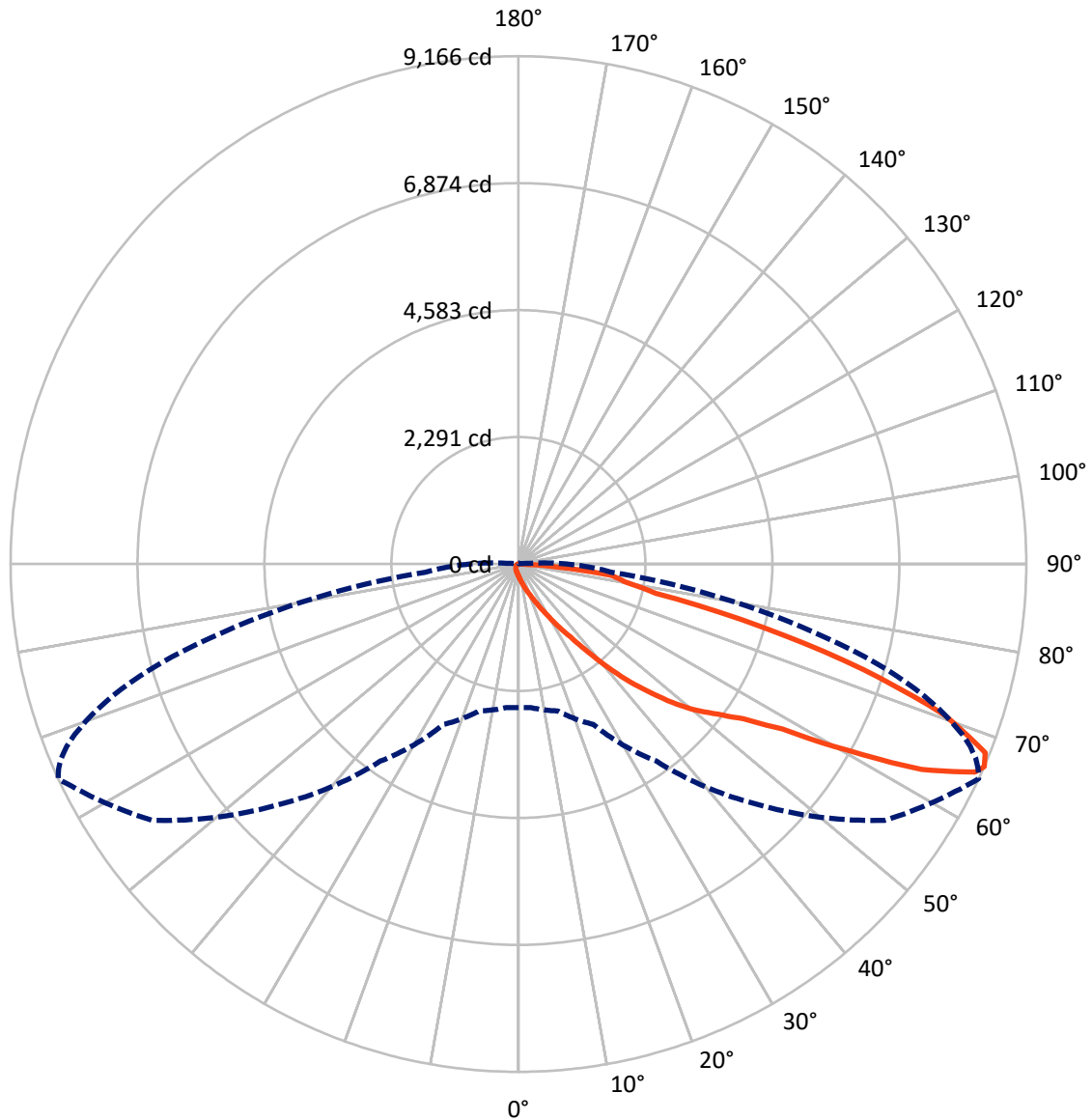


Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.2	0.0	155.2
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7006.3	0.0	7006.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	7161.5	0.0	7161.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	0.3
10°-20°	102.6	1.4
20°-30°	221.3	3.1
30°-40°	472.6	6.6
40°-50°	1045.1	14.6
50°-60°	1771.2	24.7
60°-70°	2363.5	33.0
70°-80°	1041.1	14.5
80°-90°	119.9	1.7
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°	7161.5	100.0
0°-180°	7161.5	100.0



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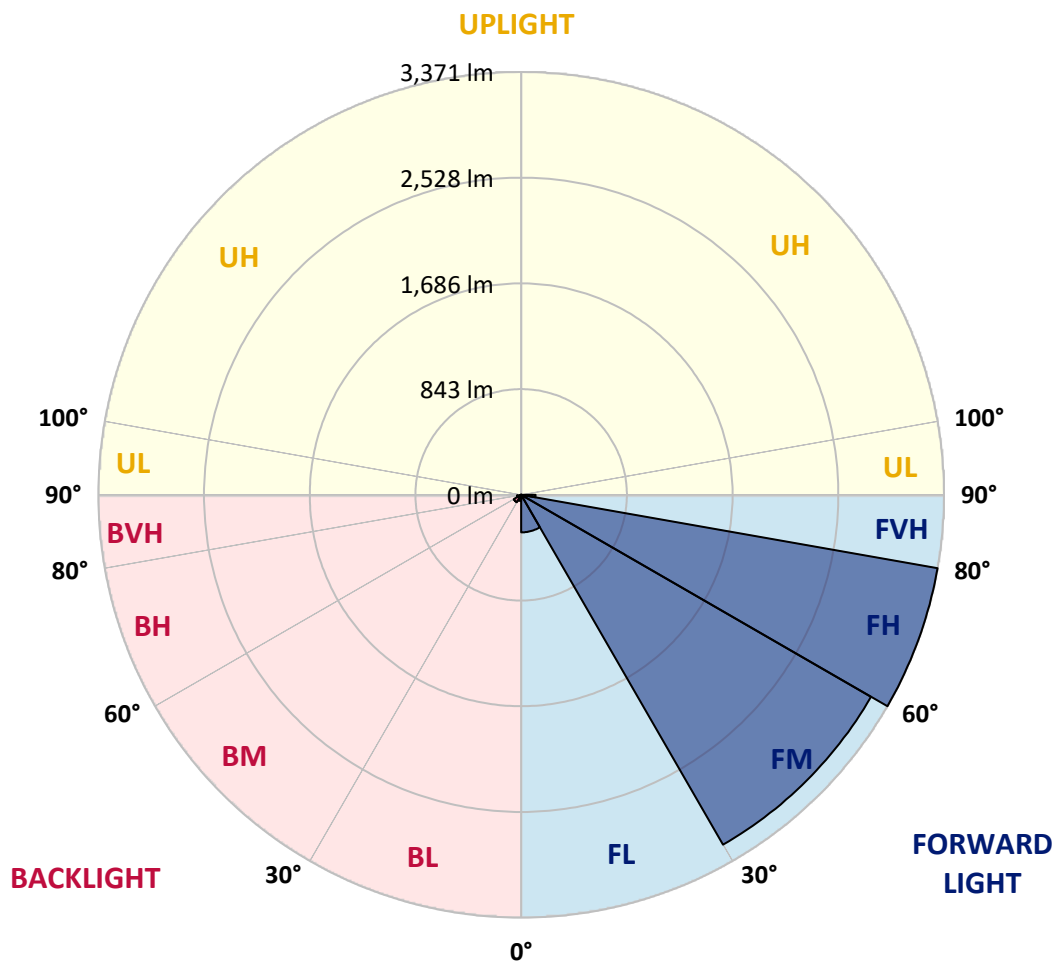
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.1	4.2			
FM	(30°-60°)	3220.7	45.0			
FH	(60°-80°)	3371.3	47.1			G2/5000
FVH	(80°-90°)	115.1	1.6			G2/225
BL	(0°-30°)	49.0	0.7	B0/110		
BM	(30°-60°)	68.2	1.0	B0/220		
BH	(60°-80°)	33.3	0.5	B0/110		G0/110
BVH	(80°-90°)	4.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	272.6	271.2	265.7	265.7	257.4	252.0	245.1	238.2	238.2	236.8	235.4
5°	360.7	352.5	351.1	335.9	323.6	305.7	289.1	267.1	264.4	261.6	260.2
7.5°	458.5	457.1	444.7	426.8	402.1	369.0	335.9	300.2	294.6	291.9	286.4
10°	585.2	578.2	561.8	531.4	494.3	450.2	396.6	340.0	333.2	327.7	324.9
12.5°	706.3	693.9	684.3	645.7	598.9	534.2	469.5	388.3	382.8	375.9	364.9
15°	819.2	808.2	791.7	758.7	706.3	625.1	549.4	450.2	436.4	426.8	418.5
17.5°	907.3	900.5	881.1	844.0	787.5	715.9	625.1	513.5	502.6	490.1	475.0
20°	991.3	981.6	951.4	900.5	839.8	784.7	714.6	596.1	581.0	565.9	549.4
22.5°	1071.2	1061.5	1012.0	928.0	863.3	839.8	815.1	689.8	666.4	654.0	637.4
25°	1182.7	1162.1	1084.9	951.4	864.7	882.6	925.2	810.9	788.9	771.0	744.9
27.5°	1332.8	1305.2	1184.1	985.8	870.1	929.4	1051.9	958.2	934.8	914.2	885.3
30°	1502.1	1484.2	1339.7	1068.4	910.1	998.2	1193.7	1145.5	1118.0	1093.2	1058.8
32.5°	1672.8	1648.1	1504.9	1225.4	1017.4	1131.7	1371.3	1363.1	1327.3	1303.9	1266.7
35°	1822.9	1810.5	1704.5	1482.8	1262.6	1365.8	1608.1	1617.7	1586.1	1561.3	1520.0
37.5°	1924.8	1924.8	1904.2	1759.5	1652.2	1729.3	1956.4	1957.9	1926.2	1869.7	1849.1
40°	1977.1	1992.2	2066.6	2094.1	2088.6	2187.8	2413.6	2388.8	2362.6	2333.7	2264.9
42.5°	2084.5	2098.2	2256.6	2446.6	2570.5	2701.3	2856.9	2848.6	2817.0	2764.7	2701.3
45°	2266.3	2284.2	2472.8	2774.3	3029.0	3214.9	3314.0	3275.4	3243.7	3194.3	3161.1
47.5°	2497.5	2532.0	2745.4	3118.5	3425.5	3732.5	3835.8	3733.9	3706.4	3667.8	3614.1
50°	2744.0	2777.0	3004.2	3431.0	3778.0	4144.2	4316.4	4144.2	4104.3	4091.9	4031.3
52.5°	2957.4	2985.0	3203.9	3672.0	4047.8	4477.4	4728.0	4500.8	4471.9	4430.6	4386.5
55°	3084.1	3106.1	3311.2	3787.6	4231.0	4777.5	5125.9	4926.3	4883.6	4867.1	4803.7
57.5°	3126.8	3148.8	3333.3	3802.8	4330.1	5051.5	5609.2	5616.1	5565.1	5505.9	5486.6
60°	3126.8	3151.5	3307.1	3765.6	4426.5	5343.4	6253.5	6827.6	6717.5	6706.5	6636.2
62.5°	2997.4	3020.8	3177.7	3651.3	4555.9	5737.2	7151.2	8164.5	8132.9	8061.3	7945.6
65°	2716.4	2730.2	2884.4	3359.5	4506.3	6099.3	7929.1	9053.9	9003.0	8862.6	8713.9
66°	2589.8	2600.8	2745.4	3192.8	4343.9	6148.9	8066.8	9165.5	9081.5	8963.1	8795.1
67.5°	2406.7	2426.0	2527.8	2883.1	3954.3	5976.7	7980.1	9087.0	9014.1	8870.8	8702.9
70°	1606.8	1593.0	1952.3	2212.5	3012.5	4869.8	7159.5	8159.0	8160.4	8092.9	8025.5
72.5°	762.8	771.0	875.6	1361.6	1971.6	3253.4	5698.7	6512.3	6606.0	6484.8	6400.8
75°	548.0	560.3	623.7	833.0	1175.8	1952.3	3694.0	4554.5	4557.2	4342.4	4151.2
77.5°	159.7	166.6	234.0	513.5	881.1	1317.6	2121.6	2532.0	2472.8	2318.5	2174.0
80°	66.1	66.1	68.8	163.9	353.8	894.9	1484.2	1949.6	1942.7	1883.5	1798.2
82.5°	24.7	26.2	33.0	67.5	84.0	220.3	989.9	1692.1	1688.0	1604.0	1543.4
85°	2.8	2.8	8.3	28.9	31.7	41.3	198.2	746.2	742.1	746.2	654.0
87.5°	0.0	0.0	1.3	2.8	4.1	5.5	8.3	28.9	31.7	30.3	27.5
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	235.4	232.7	232.7	231.3	231.3	231.3	229.9	228.6	228.6	227.2	225.8
5°	257.4	254.7	253.3	250.6	249.2	247.8	245.1	243.7	241.0	239.5	238.2
7.5°	283.6	278.1	276.7	272.6	268.5	265.7	262.9	258.9	256.1	250.6	249.2
10°	316.7	309.8	304.3	298.7	294.6	287.8	283.6	278.1	272.6	268.5	264.4
12.5°	359.3	349.7	341.5	335.9	326.3	318.0	309.8	305.7	294.6	289.1	282.3
15°	406.2	395.1	385.5	374.5	367.6	353.8	342.8	330.4	324.9	315.3	304.3
17.5°	466.7	448.8	433.7	422.7	408.9	395.1	382.8	370.4	353.8	342.8	329.1
20°	531.4	516.3	495.6	476.4	459.8	443.4	425.4	408.9	393.8	375.9	359.3
22.5°	614.1	592.0	567.3	548.0	526.0	508.1	483.3	461.3	436.4	413.0	393.8
25°	718.7	689.8	666.4	638.9	612.7	585.2	554.8	527.3	495.6	473.6	440.6
27.5°	848.1	820.6	788.9	753.1	727.0	685.7	645.7	611.3	574.1	539.7	502.6
30°	1013.3	973.5	940.3	906.0	853.6	813.7	766.9	720.1	669.1	634.8	578.2
32.5°	1211.6	1168.9	1119.3	1069.8	1021.6	965.2	907.3	849.5	793.0	729.7	671.9
35°	1453.9	1402.9	1346.5	1292.8	1218.5	1157.9	1084.9	1005.1	941.8	868.8	795.8
37.5°	1774.8	1690.7	1641.1	1584.7	1484.2	1401.6	1320.3	1240.5	1129.0	1051.9	948.6
40°	2176.7	2127.2	2046.0	1955.1	1864.2	1755.4	1645.3	1539.3	1409.9	1302.4	1182.7
42.5°	2649.0	2576.1	2493.4	2362.6	2270.4	2142.3	2017.0	1876.6	1718.2	1580.6	1440.2
45°	3092.3	3005.6	2942.3	2811.5	2715.1	2563.6	2412.2	2263.5	2080.3	1902.8	1740.3
47.5°	3571.5	3499.8	3395.2	3289.2	3191.5	3020.8	2856.9	2676.6	2483.8	2273.1	2062.4
50°	3992.8	3936.4	3864.7	3736.7	3627.9	3484.7	3292.0	3095.1	2851.4	2642.1	2402.6
52.5°	4350.7	4306.7	4206.2	4115.3	4017.5	3882.6	3710.5	3521.9	3259.0	3029.0	2756.4
55°	4773.4	4741.8	4653.6	4597.2	4510.5	4381.1	4220.0	4045.1	3767.0	3516.4	3208.0
57.5°	5466.0	5441.2	5364.1	5340.6	5255.3	5142.4	4944.2	4756.9	4432.0	4120.8	3768.4
60°	6612.8	6563.3	6450.4	6392.6	6212.2	6060.8	5803.3	5545.8	5153.4	4756.9	4332.8
62.5°	7841.0	7701.9	7487.1	7302.7	7046.6	6783.6	6439.3	6045.6	5585.8	5114.9	4627.5
65°	8503.2	8266.4	7995.2	7701.9	7370.2	6983.2	6549.5	6077.3	5583.0	5086.0	4571.0
66°	8579.0	8311.8	8024.1	7697.8	7328.8	6917.2	6476.5	5980.9	5467.3	4982.7	4467.8
67.5°	8484.0	8204.5	7900.2	7538.1	7138.8	6712.0	6249.4	5734.4	5240.1	4748.6	4247.5
70°	7819.0	7540.8	7269.6	6888.2	6462.8	6033.3	5595.4	5019.9	4551.8	4100.1	3654.1
72.5°	6243.9	6055.2	5786.8	5460.5	5046.0	4542.1	4177.2	3662.4	3256.2	2818.4	2472.8
75°	3901.9	3636.2	3304.4	2888.6	2571.9	2162.9	1949.6	1558.5	1327.3	1124.9	929.4
77.5°	1995.0	1795.4	1562.7	1328.6	1104.2	881.1	681.5	481.9	324.9	225.8	168.0
80°	1648.1	1471.8	1279.0	1065.7	867.4	673.3	484.7	330.4	210.7	137.7	107.4
82.5°	1361.6	1213.0	1040.8	842.6	670.5	528.7	367.6	239.5	148.7	96.4	75.7
85°	579.7	526.0	406.2	322.1	242.3	179.0	125.3	84.0	59.2	48.2	44.1
87.5°	24.7	27.5	26.2	20.7	15.1	15.1	13.8	11.0	11.0	11.0	11.0
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1	216.1
2.5°	225.8	224.4	223.1	223.1	221.6	220.3	212.0	205.2	196.9	191.4	185.9
5°	235.4	234.0	231.3	229.9	227.2	225.8	207.9	192.7	180.3	170.7	163.9
7.5°	245.1	243.7	239.5	235.4	234.0	231.3	202.4	183.1	166.6	155.6	148.7
10°	257.4	253.3	249.2	243.7	239.5	235.4	196.9	172.1	154.2	144.6	137.7
12.5°	275.3	268.5	261.6	254.7	249.2	242.3	194.1	162.5	144.6	133.5	126.7
15°	296.1	286.4	278.1	269.9	260.2	253.3	188.6	154.2	136.3	125.3	117.1
17.5°	315.3	304.3	291.9	279.5	269.9	260.2	183.1	146.0	128.0	117.1	108.8
20°	342.8	326.3	311.2	296.1	282.3	269.9	174.8	137.7	121.1	108.8	100.5
22.5°	373.1	353.8	334.6	313.9	296.1	279.5	168.0	130.8	114.3	101.9	92.2
25°	411.7	388.3	362.1	335.9	315.3	293.3	161.1	123.9	107.4	95.0	85.4
27.5°	465.4	432.3	403.4	370.4	338.7	313.9	155.6	118.4	100.5	88.1	78.5
30°	538.4	490.1	444.7	408.9	371.7	335.9	150.1	111.5	95.0	81.3	70.2
32.5°	619.5	563.1	510.8	457.1	410.3	369.0	144.6	106.0	88.1	74.3	64.7
35°	720.1	648.5	578.2	516.3	459.8	404.7	139.0	100.5	82.6	67.5	57.9
37.5°	864.7	775.1	682.9	603.1	530.1	457.1	134.9	95.0	75.7	60.6	50.9
40°	1062.9	947.3	834.3	725.6	630.6	539.7	129.4	89.5	70.2	55.1	45.4
42.5°	1277.7	1137.2	988.6	866.0	735.3	621.0	123.9	84.0	64.7	49.6	40.0
45°	1544.8	1369.9	1189.6	1022.9	863.3	715.9	118.4	78.5	57.9	44.1	34.4
47.5°	1836.7	1613.6	1409.9	1200.6	1010.6	834.3	111.5	74.3	52.3	38.5	30.3
50°	2136.9	1901.4	1643.9	1405.7	1180.0	952.8	104.7	67.5	46.8	34.4	24.7
52.5°	2460.3	2182.3	1919.3	1623.3	1360.3	1108.3	97.7	62.0	42.6	30.3	20.7
55°	2872.0	2560.9	2252.5	1920.6	1604.0	1288.7	90.9	55.1	37.2	26.2	16.6
57.5°	3389.7	3020.8	2642.1	2267.6	1883.5	1525.5	85.4	48.2	31.7	22.0	13.8
60°	3878.5	3447.6	2989.1	2558.2	2124.4	1707.3	77.1	42.6	27.5	17.9	13.8
62.5°	4131.8	3640.3	3146.0	2671.0	2208.4	1772.0	68.8	35.8	23.4	15.1	12.4
65°	4069.9	3568.7	3089.6	2610.4	2157.5	1730.7	60.6	31.7	20.7	13.8	12.4
66°	3980.4	3484.7	3002.9	2547.1	2114.8	1686.6	56.4	30.3	19.3	13.8	11.0
67.5°	3784.9	3305.7	2845.9	2421.8	1997.7	1602.6	50.9	27.5	17.9	12.4	11.0
70°	3232.8	2797.7	2430.1	2052.8	1707.3	1350.7	41.3	23.4	15.1	11.0	11.0
72.5°	2139.5	1843.6	1598.5	1375.4	1149.6	892.2	34.4	19.3	12.4	11.0	9.6
75°	806.8	729.7	626.5	563.1	491.5	430.9	27.5	12.4	9.6	9.6	9.6
77.5°	143.2	132.2	117.1	107.4	99.2	90.9	22.0	8.3	8.3	9.6	9.6
80°	96.4	89.5	81.3	74.3	68.8	62.0	15.1	6.9	8.3	8.3	9.6
82.5°	68.8	64.7	60.6	55.1	50.9	45.4	9.6	6.9	8.3	8.3	8.3
85°	41.3	38.5	35.8	33.0	28.9	27.5	6.9	6.9	6.9	8.3	8.3
87.5°	11.0	9.6	11.0	11.0	8.3	9.6	5.5	5.5	5.5	6.9	6.9
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):

	145°	155°	165°	175°	180°
0°	216.1	216.1	216.1	216.1	216.1
2.5°	183.1	183.1	180.3	184.5	184.5
5°	158.4	158.4	156.9	158.4	158.4
7.5°	144.6	143.2	143.2	143.2	144.6
10°	132.2	130.8	130.8	130.8	130.8
12.5°	121.1	119.8	118.4	119.8	119.8
15°	111.5	108.8	108.8	108.8	108.8
17.5°	103.3	100.5	99.2	99.2	99.2
20°	95.0	90.9	90.9	90.9	90.9
22.5°	86.7	82.6	82.6	82.6	82.6
25°	78.5	74.3	74.3	74.3	74.3
27.5°	71.6	67.5	67.5	67.5	67.5
30°	63.4	60.6	60.6	62.0	60.6
32.5°	57.9	53.7	53.7	55.1	55.1
35°	50.9	48.2	48.2	48.2	48.2
37.5°	44.1	41.3	41.3	41.3	41.3
40°	38.5	35.8	34.4	35.8	35.8
42.5°	33.0	30.3	28.9	28.9	28.9
45°	28.9	24.7	23.4	24.7	24.7
47.5°	23.4	20.7	20.7	22.0	22.0
50°	17.9	17.9	19.3	22.0	22.0
52.5°	16.6	16.6	19.3	22.0	22.0
55°	15.1	16.6	19.3	20.7	22.0
57.5°	13.8	16.6	19.3	20.7	20.7
60°	13.8	15.1	17.9	20.7	20.7
62.5°	12.4	13.8	16.6	19.3	19.3
65°	12.4	13.8	16.6	19.3	19.3
66°	12.4	13.8	16.6	19.3	19.3
67.5°	12.4	13.8	16.6	19.3	19.3
70°	12.4	13.8	16.6	17.9	17.9
72.5°	11.0	12.4	15.1	17.9	17.9
75°	11.0	12.4	15.1	17.9	17.9
77.5°	11.0	12.4	15.1	17.9	17.9
80°	11.0	12.4	15.1	16.6	17.9
82.5°	9.6	12.4	13.8	16.6	16.6
85°	9.6	11.0	13.8	15.1	16.6
87.5°	8.3	9.6	11.0	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)