

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: P165166

Luminaire Tested: **VTS-E06-LED-E1-SL3-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P165166  
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-E06-LED-E1-SL3-HSS-7030  
Description: VENTUS LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

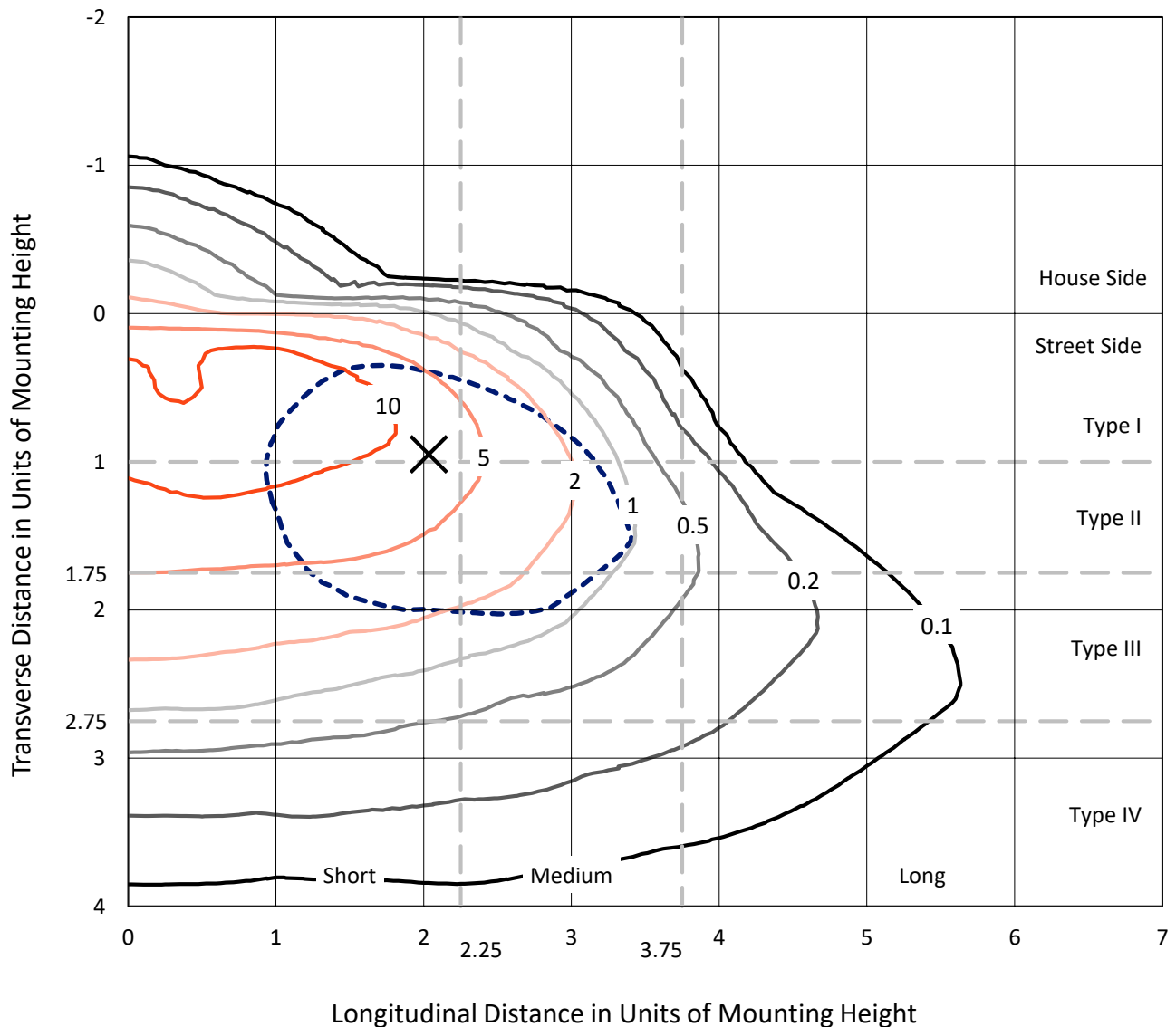
Lumens per Lamp: N/A  
Luminaire Lumens: 9388 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input 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

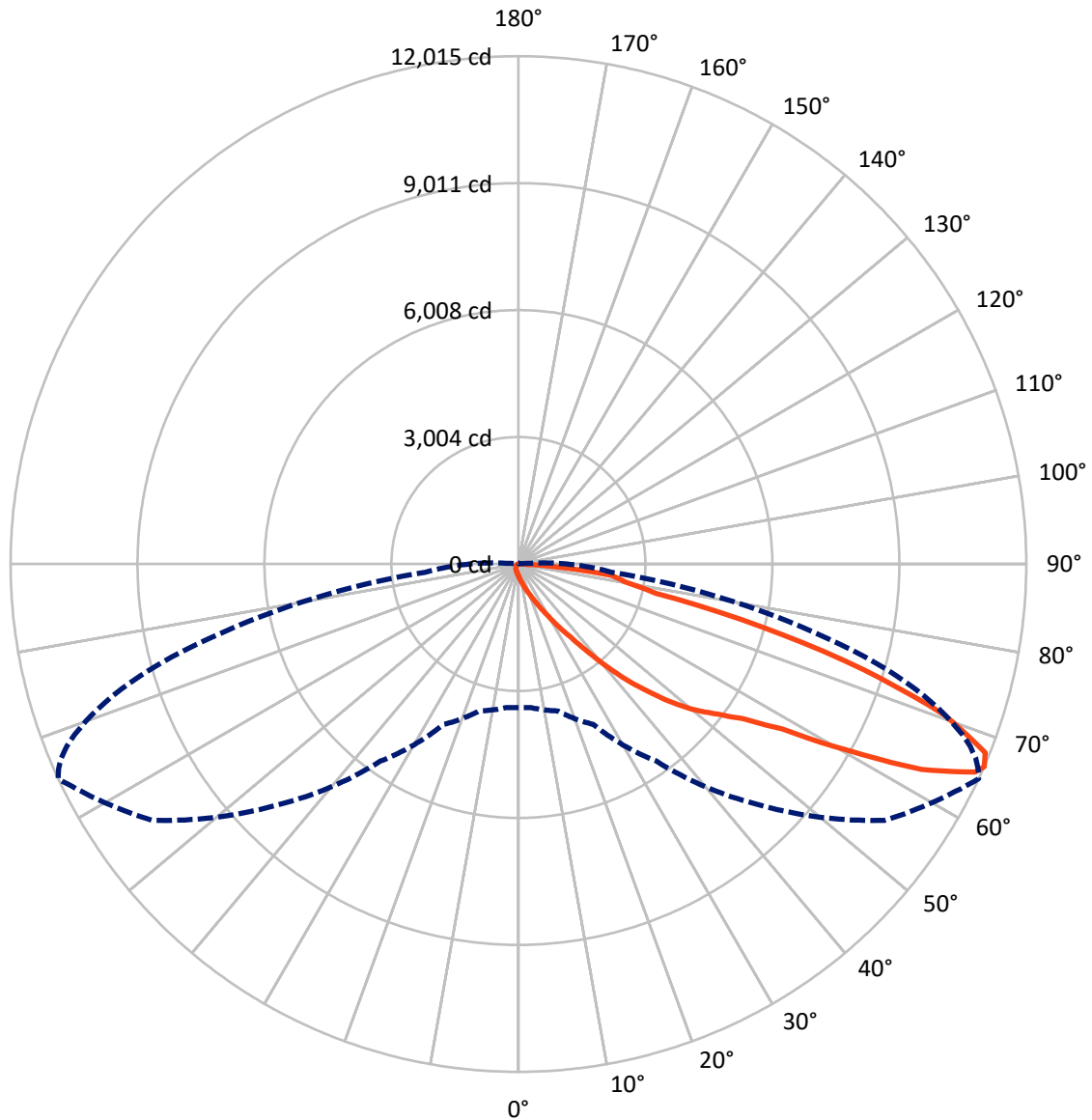
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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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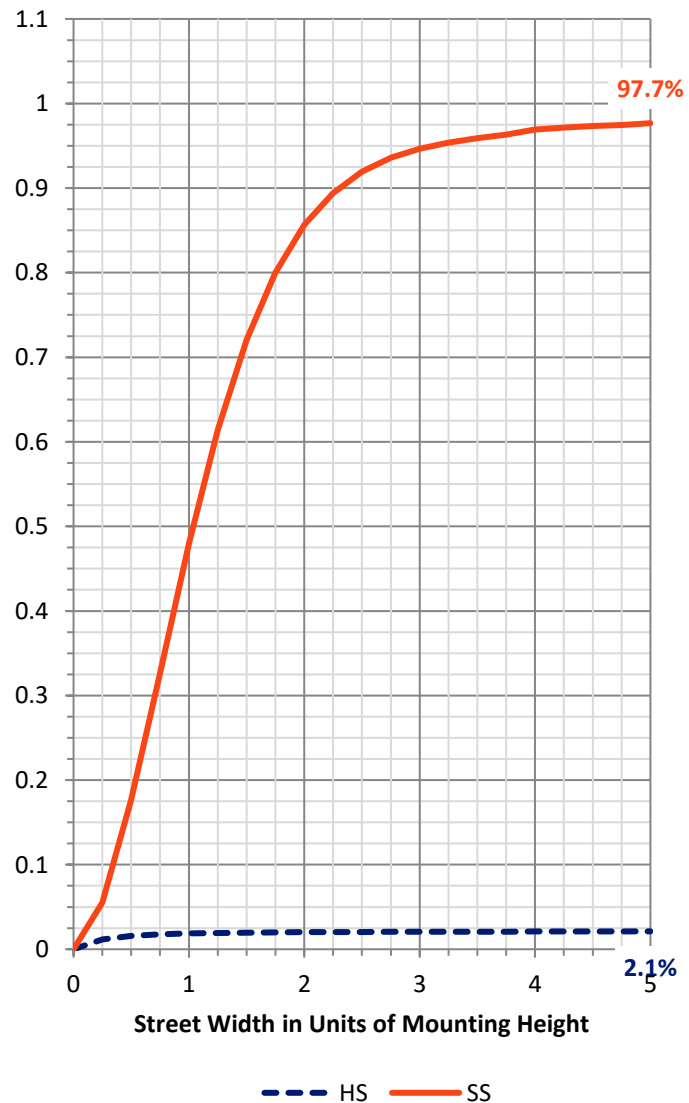
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	203.4	0.0	203.4
	% Fixture	2.2	0.0	2.2
<b>Street Side</b>	Lumens	9184.5	0.0	9184.5
	% Fixture	97.8	0.0	97.8
<b>Total</b>	Lumens	9388.0	0.0	9388.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.7	0.3
10°-20°	134.5	1.4
20°-30°	290.1	3.1
30°-40°	619.5	6.6
40°-50°	1370.1	14.6
50°-60°	2321.8	24.7
60°-70°	3098.3	33.0
70°-80°	1364.8	14.5
80°-90°	157.2	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°	9388.0	100.0
0°-180°	9388.0	100.0



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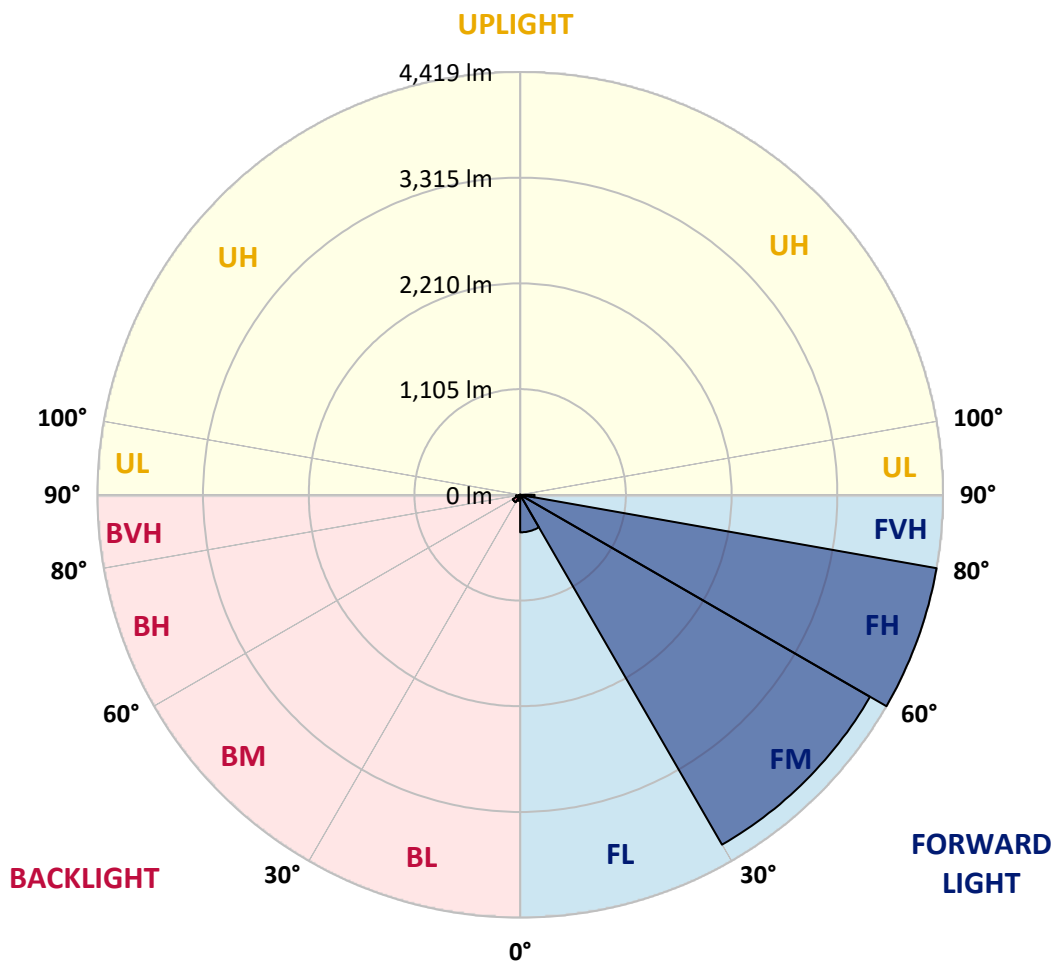
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.1	4.2			
FM	(30°-60°)	4222.1	45.0			
FH	(60°-80°)	4419.4	47.1			G2/5000
FVH	(80°-90°)	150.9	1.6			G2/225
BL	(0°-30°)	64.2	0.7	B0/110		
BM	(30°-60°)	89.3	1.0	B0/220		
BH	(60°-80°)	43.6	0.5	B0/110		G0/110
BVH	(80°-90°)	6.3	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°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3
2.5°	357.4	355.5	348.3	348.3	337.5	330.3	321.2	312.3	312.3	310.4	308.6
5°	472.8	462.1	460.2	440.4	424.2	400.7	379.0	350.2	346.6	342.9	341.1
7.5°	601.1	599.2	583.0	559.5	527.1	483.7	440.4	393.5	386.2	382.6	375.4
10°	767.1	758.0	736.4	696.6	648.0	590.2	519.8	445.8	436.8	429.5	425.9
12.5°	925.9	909.7	897.0	846.5	785.1	700.2	615.4	509.0	501.8	492.8	478.3
15°	1073.9	1059.4	1037.8	994.5	925.9	819.4	720.2	590.2	572.1	559.5	548.7
17.5°	1189.4	1180.4	1155.1	1106.4	1032.3	938.5	819.4	673.2	658.8	642.5	622.6
20°	1299.6	1286.8	1247.2	1180.4	1101.0	1028.7	936.8	781.5	761.6	741.8	720.2
22.5°	1404.2	1391.5	1326.6	1216.5	1131.6	1101.0	1068.5	904.2	873.5	857.3	835.6
25°	1550.4	1523.4	1422.2	1247.2	1133.5	1157.0	1212.9	1063.0	1034.2	1010.8	976.4
27.5°	1747.2	1711.0	1552.2	1292.3	1140.6	1218.3	1378.9	1256.1	1225.5	1198.4	1160.6
30°	1969.1	1945.7	1756.2	1400.6	1193.0	1308.5	1564.8	1501.7	1465.6	1433.0	1388.0
32.5°	2192.9	2160.5	1972.7	1606.3	1333.7	1483.6	1797.7	1786.8	1739.9	1709.2	1660.5
35°	2389.7	2373.4	2234.5	1943.8	1655.1	1790.5	2108.1	2120.7	2079.3	2046.7	1992.6
37.5°	2523.3	2523.3	2496.2	2306.6	2165.8	2266.9	2564.7	2566.6	2525.0	2451.0	2424.0
40°	2591.8	2611.6	2709.1	2745.2	2738.0	2868.0	3164.0	3131.4	3097.1	3059.2	2969.0
42.5°	2732.6	2750.6	2958.2	3207.3	3369.7	3541.1	3745.1	3734.3	3692.8	3624.2	3541.1
45°	2970.9	2994.3	3241.6	3636.8	3970.7	4214.4	4344.3	4293.8	4252.2	4187.3	4143.9
47.5°	3274.0	3319.2	3598.9	4088.0	4490.5	4893.0	5028.3	4894.8	4858.8	4808.1	4737.8
50°	3597.1	3640.4	3938.2	4497.7	4952.6	5432.6	5658.3	5432.6	5380.4	5364.0	5284.7
52.5°	3876.8	3913.0	4200.0	4813.6	5306.3	5869.4	6197.9	5900.1	5862.2	5808.0	5750.3
55°	4042.9	4071.8	4340.7	4965.2	5546.4	6262.9	6719.6	6457.9	6401.9	6380.3	6297.2
57.5°	4098.9	4127.7	4369.6	4985.0	5676.3	6622.0	7353.1	7362.1	7295.3	7217.7	7192.4
60°	4098.9	4131.3	4335.3	4936.4	5802.7	7004.7	8197.7	8950.3	8806.0	8791.5	8699.4
62.5°	3929.2	3959.9	4165.6	4786.5	5972.3	7520.9	9374.5	10702.9	10661.4	10567.5	10415.9
65°	3561.0	3579.1	3781.2	4403.9	5907.3	7995.6	10394.2	11868.8	11802.1	11617.9	11423.1
66°	3394.9	3409.4	3598.9	4185.5	5694.4	8060.6	10574.7	12015.0	11905.0	11749.7	11529.5
67.5°	3154.9	3180.2	3313.7	3779.4	5183.6	7834.9	10461.1	11912.2	11816.5	11628.8	11408.6
70°	2106.3	2088.2	2559.3	2900.4	3949.1	6383.9	9385.3	10695.6	10697.5	10609.0	10520.6
72.5°	999.9	1010.8	1147.9	1785.0	2584.5	4264.9	7470.4	8537.0	8659.8	8501.0	8390.8
75°	718.3	734.6	817.6	1092.0	1541.3	2559.3	4842.4	5970.5	5974.1	5692.5	5441.7
77.5°	209.3	218.4	306.8	673.2	1155.1	1727.2	2781.3	3319.2	3241.6	3039.4	2849.9
80°	86.6	86.6	90.2	214.8	463.8	1173.2	1945.7	2555.7	2546.7	2469.1	2357.2
82.5°	32.4	34.3	43.3	88.4	110.2	288.8	1297.7	2218.2	2212.8	2102.7	2023.3
85°	3.6	3.6	10.9	37.9	41.5	54.1	259.9	978.2	972.8	978.2	857.3
87.5°	0.0	0.0	1.8	3.6	5.4	7.2	10.9	37.9	41.5	39.7	36.1
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):**

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3
2.5°	308.6	305.0	305.0	303.3	303.3	303.3	301.4	299.7	299.7	297.8	296.0
5°	337.5	333.8	332.1	328.5	326.7	324.9	321.2	319.5	315.9	314.0	312.3
7.5°	371.8	364.5	362.8	357.4	351.9	348.3	344.7	339.3	335.7	328.5	326.7
10°	415.2	406.1	398.8	391.6	386.2	377.3	371.8	364.5	357.4	351.9	346.6
12.5°	471.1	458.5	447.6	440.4	427.8	416.9	406.1	400.7	386.2	379.0	370.0
15°	532.4	518.0	505.4	490.9	481.9	463.8	449.4	433.1	425.9	413.3	398.8
17.5°	611.8	588.3	568.5	554.1	536.1	518.0	501.8	485.5	463.8	449.4	431.4
20°	696.6	676.8	649.7	624.5	602.8	581.2	557.7	536.1	516.2	492.8	471.1
22.5°	805.0	776.1	743.6	718.3	689.5	666.1	633.5	604.7	572.1	541.4	516.2
25°	942.1	904.2	873.5	837.5	803.2	767.1	727.3	691.3	649.7	620.9	577.6
27.5°	1111.8	1075.7	1034.2	987.3	953.0	898.8	846.5	801.4	752.6	707.5	658.8
30°	1328.4	1276.1	1232.7	1187.6	1119.0	1066.6	1005.3	944.0	877.1	832.1	758.0
32.5°	1588.2	1532.3	1467.4	1402.4	1339.2	1265.2	1189.4	1113.6	1039.6	956.6	880.8
35°	1906.0	1839.1	1765.1	1694.8	1597.3	1517.9	1422.2	1317.5	1234.6	1138.9	1043.2
37.5°	2326.5	2216.4	2151.4	2077.4	1945.7	1837.4	1730.8	1626.2	1480.0	1378.9	1243.5
40°	2853.5	2788.5	2682.1	2562.9	2443.8	2301.2	2156.9	2017.9	1848.2	1707.4	1550.4
42.5°	3472.5	3376.9	3268.7	3097.1	2976.2	2808.3	2644.1	2460.0	2252.4	2072.0	1887.9
45°	4053.7	3940.1	3857.0	3685.6	3559.2	3360.6	3162.1	2967.3	2727.1	2494.3	2281.4
47.5°	4681.9	4587.9	4450.8	4311.9	4183.7	3959.9	3745.1	3508.7	3255.9	2979.9	2703.7
50°	5234.2	5160.2	5066.2	4898.4	4755.9	4568.1	4315.5	4057.4	3737.9	3463.5	3149.5
52.5°	5703.4	5645.6	5513.9	5394.7	5266.6	5089.7	4864.1	4616.9	4272.2	3970.7	3613.4
55°	6257.5	6216.0	6100.4	6026.5	5912.8	5743.1	5531.9	5302.8	4938.1	4609.6	4205.3
57.5°	7165.3	7132.9	7031.7	7001.0	6889.1	6741.2	6481.3	6235.8	5809.9	5402.0	4940.0
60°	8668.8	8603.9	8455.8	8380.1	8143.5	7945.1	7607.6	7270.0	6755.7	6235.8	5679.9
62.5°	10278.7	10096.4	9814.9	9573.1	9237.4	8892.6	8441.3	7925.2	7322.4	6705.1	6066.1
65°	11146.9	10836.5	10480.9	10096.4	9661.5	9154.3	8585.8	7966.8	7318.8	6667.2	5992.2
66°	11246.2	10896.0	10518.8	10091.1	9607.4	9067.7	8490.1	7840.4	7167.1	6531.8	5856.8
67.5°	11121.6	10755.2	10356.4	9881.7	9358.3	8798.7	8192.3	7517.3	6869.3	6225.0	5568.0
70°	10249.9	9885.2	9529.7	9029.8	8472.0	7909.0	7335.0	6580.6	5967.0	5374.9	4790.2
72.5°	8185.1	7937.8	7585.9	7158.1	6614.8	5954.2	5475.9	4801.0	4268.6	3694.6	3241.6
75°	5115.0	4766.7	4331.7	3786.6	3371.5	2835.4	2555.7	2043.1	1739.9	1474.6	1218.3
77.5°	2615.2	2353.6	2048.6	1741.7	1447.5	1155.1	893.4	631.7	425.9	296.0	220.2
80°	2160.5	1929.4	1676.7	1397.0	1137.1	882.6	635.4	433.1	276.2	180.5	140.7
82.5°	1785.0	1590.1	1364.4	1104.6	879.0	693.1	481.9	314.0	194.9	126.4	99.3
85°	759.9	689.5	532.4	422.3	317.6	234.7	164.3	110.2	77.6	63.1	57.8
87.5°	32.4	36.1	34.3	27.1	19.8	19.8	18.1	14.5	14.5	14.5	14.5
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):**

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3
2.5°	296.0	294.2	292.4	292.4	290.6	288.8	278.0	269.0	258.1	250.9	243.6
5°	308.6	306.8	303.3	301.4	297.8	296.0	272.6	252.6	236.4	223.8	214.8
7.5°	321.2	319.5	314.0	308.6	306.8	303.3	265.3	240.0	218.4	204.0	194.9
10°	337.5	332.1	326.7	319.5	314.0	308.6	258.1	225.6	202.1	189.5	180.5
12.5°	360.9	351.9	342.9	333.8	326.7	317.6	254.5	213.0	189.5	175.0	166.0
15°	388.1	375.4	364.5	353.8	341.1	332.1	247.3	202.1	178.7	164.3	153.4
17.5°	413.3	398.8	382.6	366.4	353.8	341.1	240.0	191.4	167.8	153.4	142.6
20°	449.4	427.8	407.9	388.1	370.0	353.8	229.2	180.5	158.8	142.6	131.7
22.5°	489.2	463.8	438.6	411.6	388.1	366.4	220.2	171.4	149.8	133.6	120.9
25°	539.7	509.0	474.7	440.4	413.3	384.5	211.2	162.4	140.7	124.5	111.9
27.5°	610.0	566.8	528.8	485.5	444.0	411.6	204.0	155.2	131.7	115.5	102.9
30°	705.7	642.5	583.0	536.1	487.3	440.4	196.7	146.2	124.5	106.5	92.1
32.5°	812.2	738.2	669.6	599.2	537.8	483.7	189.5	139.0	115.5	97.4	84.8
35°	944.0	850.1	758.0	676.8	602.8	530.6	182.3	131.7	108.3	88.4	75.8
37.5°	1133.5	1016.1	895.2	790.6	694.9	599.2	176.9	124.5	99.3	79.5	66.7
40°	1393.4	1241.8	1093.7	951.1	826.6	707.5	169.7	117.3	92.1	72.2	59.5
42.5°	1674.9	1490.8	1295.9	1135.3	963.8	814.0	162.4	110.2	84.8	65.0	52.4
45°	2025.1	1795.8	1559.4	1341.0	1131.6	938.5	155.2	102.9	75.8	57.8	45.2
47.5°	2407.7	2115.3	1848.2	1573.9	1324.8	1093.7	146.2	97.4	68.6	50.5	39.7
50°	2801.2	2492.6	2155.0	1842.7	1546.8	1249.0	137.2	88.4	61.4	45.2	32.4
52.5°	3225.3	2860.7	2516.0	2127.9	1783.2	1452.9	128.1	81.2	55.9	39.7	27.1
55°	3764.9	3357.1	2952.8	2517.8	2102.7	1689.4	119.1	72.2	48.8	34.3	21.7
57.5°	4443.6	3959.9	3463.5	2972.6	2469.1	1999.8	111.9	63.1	41.5	28.8	18.1
60°	5084.3	4519.4	3918.4	3353.5	2784.9	2238.1	101.1	55.9	36.1	23.5	18.1
62.5°	5416.4	4772.1	4124.1	3501.5	2895.0	2322.9	90.2	46.9	30.7	19.8	16.2
65°	5335.2	4678.3	4050.1	3422.0	2828.3	2268.8	79.5	41.5	27.1	18.1	16.2
66°	5217.9	4568.1	3936.5	3339.0	2772.3	2211.0	74.0	39.7	25.3	18.1	14.5
67.5°	4961.6	4333.4	3730.6	3174.7	2618.8	2100.9	66.7	36.1	23.5	16.2	14.5
70°	4237.9	3667.5	3185.6	2691.1	2238.1	1770.6	54.1	30.7	19.8	14.5	14.5
72.5°	2804.7	2416.7	2095.5	1803.1	1507.0	1169.6	45.2	25.3	16.2	14.5	12.6
75°	1057.7	956.6	821.2	738.2	644.4	564.9	36.1	16.2	12.6	12.6	12.6
77.5°	187.7	173.3	153.4	140.7	130.0	119.1	28.8	10.9	10.9	12.6	12.6
80°	126.4	117.3	106.5	97.4	90.2	81.2	19.8	9.0	10.9	10.9	12.6
82.5°	90.2	84.8	79.5	72.2	66.7	59.5	12.6	9.0	10.9	10.9	10.9
85°	54.1	50.5	46.9	43.3	37.9	36.1	9.0	9.0	9.0	10.9	10.9
87.5°	14.5	12.6	14.5	14.5	10.9	12.6	7.2	7.2	7.2	9.0	9.0
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):**

	145°	155°	165°	175°	180°
0°	283.3	283.3	283.3	283.3	283.3
2.5°	240.0	240.0	236.4	241.9	241.9
5°	207.6	207.6	205.7	207.6	207.6
7.5°	189.5	187.7	187.7	187.7	189.5
10°	173.3	171.4	171.4	171.4	171.4
12.5°	158.8	157.1	155.2	157.1	157.1
15°	146.2	142.6	142.6	142.6	142.6
17.5°	135.4	131.7	130.0	130.0	130.0
20°	124.5	119.1	119.1	119.1	119.1
22.5°	113.7	108.3	108.3	108.3	108.3
25°	102.9	97.4	97.4	97.4	97.4
27.5°	93.8	88.4	88.4	88.4	88.4
30°	83.1	79.5	79.5	81.2	79.5
32.5°	75.8	70.4	70.4	72.2	72.2
35°	66.7	63.1	63.1	63.1	63.1
37.5°	57.8	54.1	54.1	54.1	54.1
40°	50.5	46.9	45.2	46.9	46.9
42.5°	43.3	39.7	37.9	37.9	37.9
45°	37.9	32.4	30.7	32.4	32.4
47.5°	30.7	27.1	27.1	28.8	28.8
50°	23.5	23.5	25.3	28.8	28.8
52.5°	21.7	21.7	25.3	28.8	28.8
55°	19.8	21.7	25.3	27.1	28.8
57.5°	18.1	21.7	25.3	27.1	27.1
60°	18.1	19.8	23.5	27.1	27.1
62.5°	16.2	18.1	21.7	25.3	25.3
65°	16.2	18.1	21.7	25.3	25.3
66°	16.2	18.1	21.7	25.3	25.3
67.5°	16.2	18.1	21.7	25.3	25.3
70°	16.2	18.1	21.7	23.5	23.5
72.5°	14.5	16.2	19.8	23.5	23.5
75°	14.5	16.2	19.8	23.5	23.5
77.5°	14.5	16.2	19.8	23.5	23.5
80°	14.5	16.2	19.8	21.7	23.5
82.5°	12.6	16.2	18.1	21.7	21.7
85°	12.6	14.5	18.1	19.8	21.7
87.5°	10.9	12.6	14.5	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)