

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: INVUE

Report Number: P150448

Luminaire Tested: **VXS-E03-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150448
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E03-LED-E1-SL3-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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



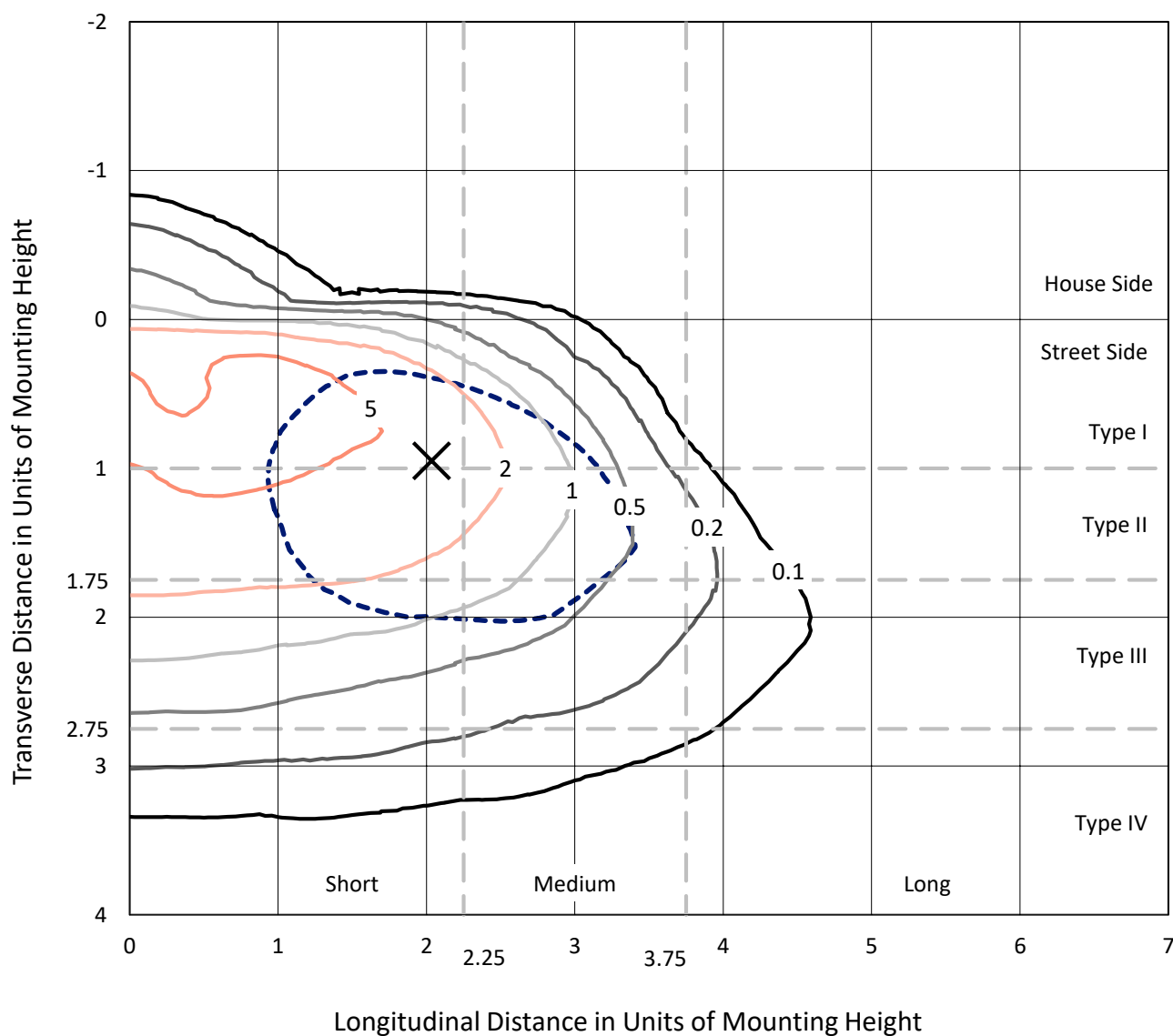
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

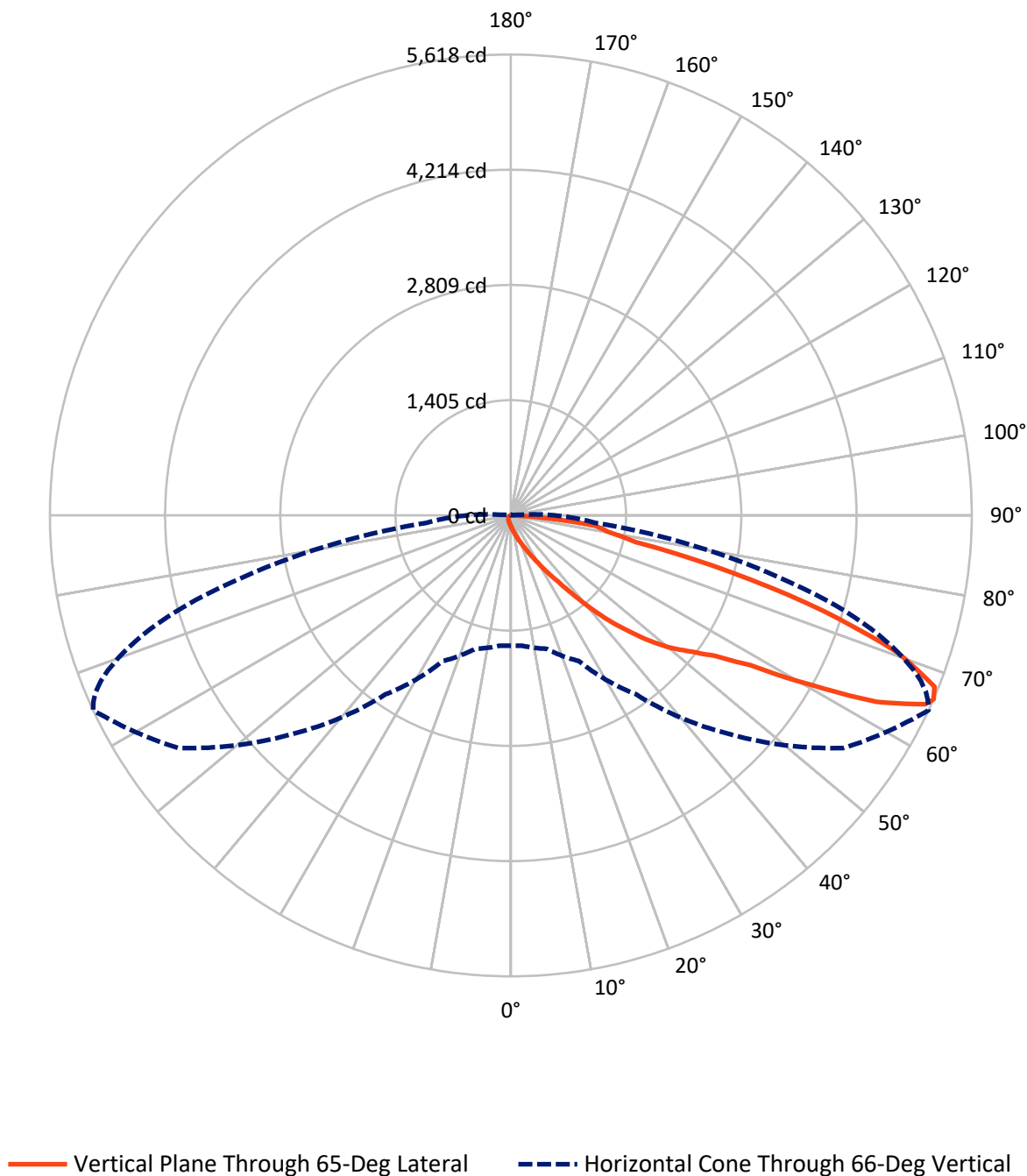


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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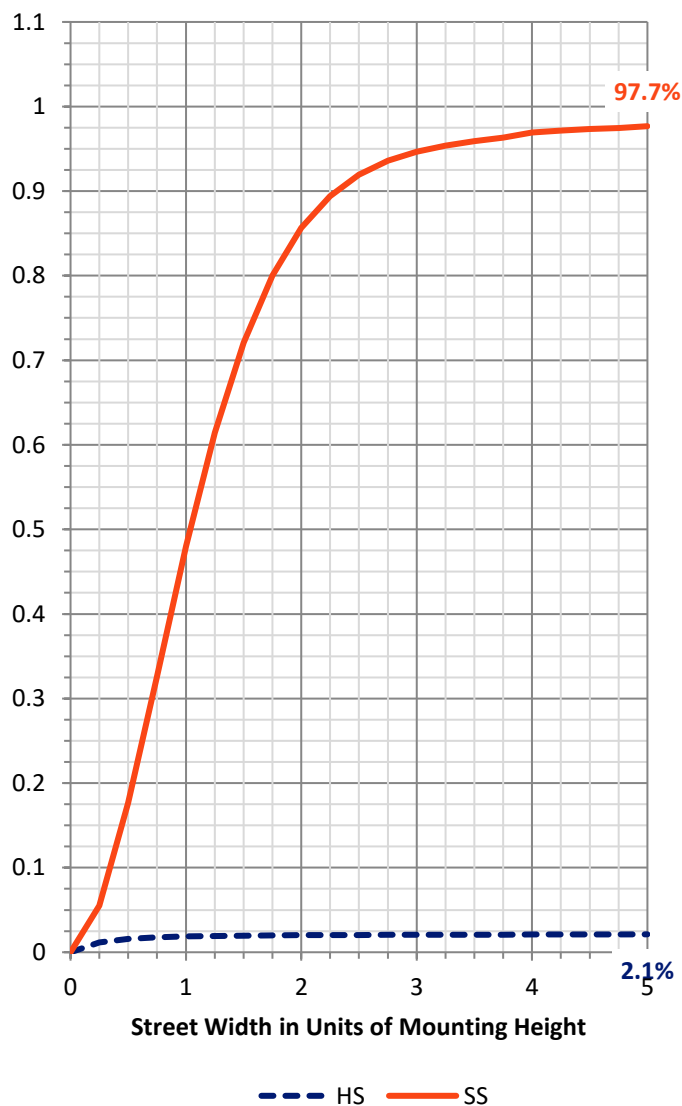
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.1	0.0	95.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4294.9	0.0	4294.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	4390.0	0.0	4390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.3
10°-20°	62.9	1.4
20°-30°	135.7	3.1
30°-40°	289.7	6.6
40°-50°	640.7	14.6
50°-60°	1085.7	24.7
60°-70°	1448.8	33.0
70°-80°	638.2	14.5
80°-90°	73.5	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°	4390.0	100.0
0°-180°	4390.0	100.0

Coefficient of Utilization



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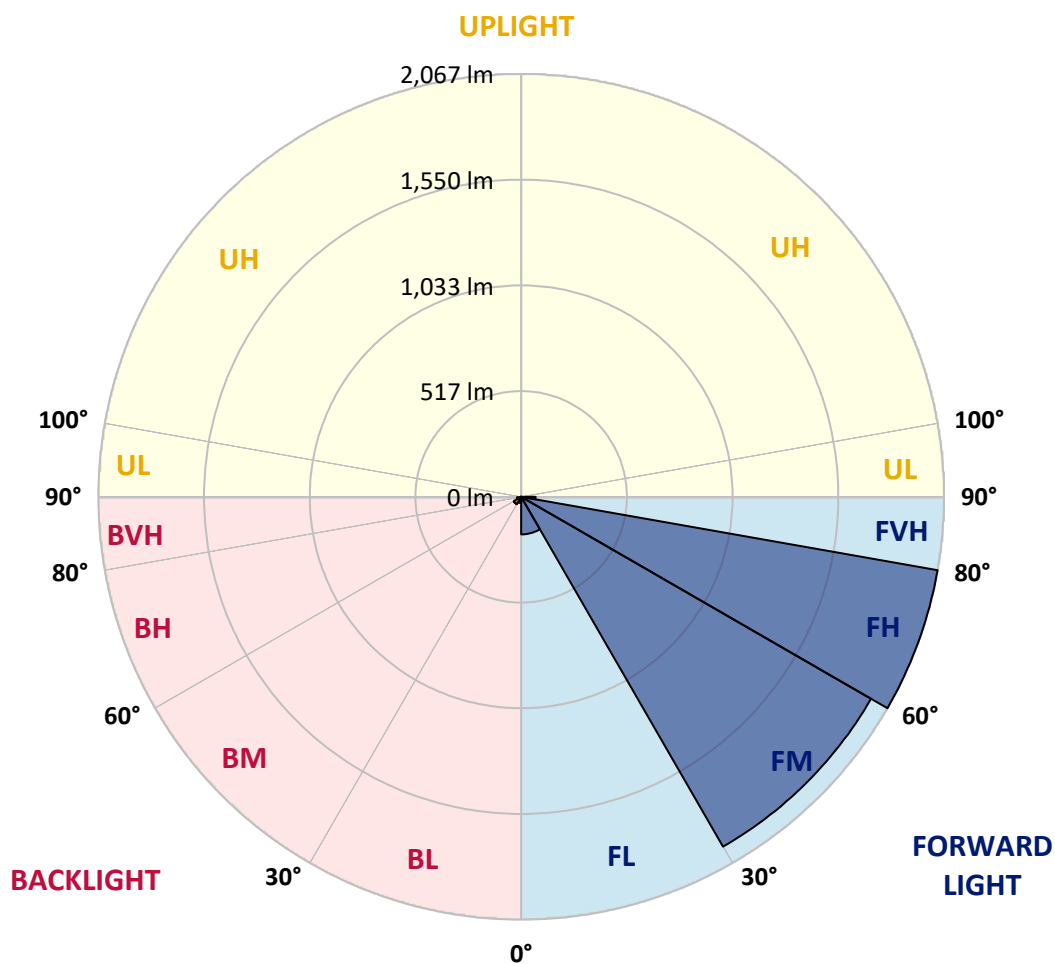
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.4	4.2			
FM	(30°-60°)	1974.3	45.0			
FH	(60°-80°)	2066.6	47.1			G2/5000
FVH	(80°-90°)	70.6	1.6			G1/100
BL	(0°-30°)	30.0	0.7	B0/110		
BM	(30°-60°)	41.8	1.0	B0/220		
BH	(60°-80°)	20.4	0.5	B0/110		G0/110
BVH	(80°-90°)	2.9	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°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	167.2	166.2	162.9	162.9	157.8	154.4	150.3	146.0	146.0	145.2	144.4
5°	221.1	216.1	215.2	205.9	198.3	187.4	177.2	163.7	162.1	160.3	159.5
7.5°	281.0	280.2	272.6	261.7	246.4	226.2	205.9	184.0	180.6	179.0	175.5
10°	358.7	354.5	344.4	325.8	303.0	276.0	243.1	208.5	204.2	200.8	199.2
12.5°	433.0	425.4	419.5	395.9	367.2	327.5	287.8	238.0	234.6	230.4	223.6
15°	502.2	495.4	485.3	465.1	433.0	383.2	336.8	276.0	267.6	261.7	256.6
17.5°	556.2	552.0	540.1	517.4	482.8	438.9	383.2	314.8	308.1	300.4	291.2
20°	607.7	601.8	583.2	552.0	514.8	481.0	438.0	365.5	356.2	346.8	336.8
22.5°	656.6	650.7	620.3	568.8	529.2	514.8	499.7	422.8	408.5	400.9	390.8
25°	725.0	712.3	665.1	583.2	530.1	541.0	567.2	497.1	483.6	472.6	456.6
27.5°	817.0	800.1	725.8	604.2	533.4	569.7	644.8	587.5	573.1	560.4	542.7
30°	920.8	909.8	821.2	654.9	557.9	611.9	731.7	702.2	685.3	670.2	649.0
32.5°	1025.5	1010.3	922.5	751.2	623.7	693.8	840.6	835.5	813.6	799.3	776.5
35°	1117.4	1109.8	1044.9	909.0	774.0	837.2	985.8	991.7	972.2	957.1	931.8
37.5°	1179.9	1179.9	1167.3	1078.7	1012.7	1060.1	1199.3	1200.1	1180.7	1146.1	1133.5
40°	1212.0	1221.2	1266.8	1283.7	1280.3	1341.1	1479.5	1464.4	1448.3	1430.6	1388.4
42.5°	1277.8	1286.2	1383.3	1499.8	1575.8	1656.0	1751.3	1746.2	1726.8	1694.7	1656.0
45°	1389.2	1400.2	1515.9	1700.6	1856.8	1970.7	2031.5	2007.9	1988.4	1958.0	1937.8
47.5°	1531.0	1552.1	1682.9	1911.6	2099.9	2288.1	2351.4	2288.9	2272.0	2248.4	2215.4
50°	1682.1	1702.3	1841.6	2103.2	2316.0	2540.4	2645.9	2540.4	2516.0	2508.3	2471.2
52.5°	1812.8	1829.7	1963.9	2250.9	2481.3	2744.7	2898.2	2759.0	2741.2	2716.0	2688.9
55°	1890.6	1904.0	2029.8	2321.9	2593.6	2928.6	3142.2	3019.8	2993.7	2983.5	2944.7
57.5°	1916.7	1930.3	2043.3	2331.1	2654.3	3096.6	3438.4	3442.6	3411.4	3375.1	3363.3
60°	1916.7	1931.9	2027.3	2308.3	2713.5	3275.5	3833.4	4185.4	4117.8	4111.1	4068.1
62.5°	1837.4	1851.7	1948.0	2238.2	2792.7	3516.9	4383.7	5004.9	4985.5	4941.6	4870.7
65°	1665.2	1673.7	1768.2	2059.4	2762.4	3738.9	4860.5	5550.1	5518.9	5432.7	5341.7
66°	1587.6	1594.3	1682.9	1957.2	2662.8	3769.2	4945.0	5618.4	5566.9	5494.4	5391.4
67.5°	1475.3	1487.2	1549.5	1767.4	2423.9	3663.7	4891.8	5570.4	5525.6	5437.8	5334.8
70°	985.0	976.5	1196.8	1356.3	1846.6	2985.2	4388.7	5001.5	5002.4	4960.9	4919.6
72.5°	467.6	472.6	536.8	834.7	1208.6	1994.3	3493.3	3992.1	4049.4	3975.2	3923.7
75°	336.0	343.5	382.3	510.6	720.7	1196.8	2264.5	2791.9	2793.6	2662.0	2544.7
77.5°	97.9	102.1	143.5	314.8	540.1	807.7	1300.6	1552.1	1515.9	1421.2	1332.6
80°	40.5	40.5	42.2	100.4	216.9	548.6	909.8	1195.1	1190.9	1154.6	1102.3
82.5°	15.2	16.1	20.2	41.3	51.5	135.0	606.8	1037.3	1034.7	983.2	946.1
85°	1.7	1.7	5.1	17.7	19.4	25.3	121.6	457.4	454.9	457.4	400.9
87.5°	0.0	0.0	0.8	1.7	2.5	3.4	5.1	17.7	19.4	18.5	16.9
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	144.4	142.6	142.6	141.8	141.8	141.8	140.9	140.1	140.1	139.3	138.4
5°	157.8	156.2	155.3	153.6	152.7	151.9	150.3	149.4	147.7	146.8	146.0
7.5°	173.9	170.5	169.6	167.2	164.6	162.9	161.2	158.7	157.0	153.6	152.7
10°	194.1	189.9	186.5	183.1	180.6	176.4	173.9	170.5	167.2	164.6	162.1
12.5°	220.3	214.4	209.3	205.9	200.0	194.9	189.9	187.4	180.6	177.2	173.1
15°	249.0	242.2	236.3	229.5	225.4	216.9	210.2	202.6	199.2	193.3	186.5
17.5°	286.1	275.1	265.9	259.1	250.7	242.2	234.6	227.0	216.9	210.2	201.8
20°	325.8	316.5	303.8	292.0	281.9	271.8	260.8	250.7	241.3	230.4	220.3
22.5°	376.4	362.9	347.8	336.0	322.4	311.4	296.3	282.7	267.6	253.2	241.3
25°	440.5	422.8	408.5	391.6	375.5	358.7	340.1	323.2	303.8	290.4	270.1
27.5°	519.9	503.0	483.6	461.7	445.6	420.3	395.9	374.7	351.9	330.9	308.1
30°	621.1	596.7	576.5	555.3	523.3	498.8	470.1	441.5	410.2	389.1	354.5
32.5°	742.7	716.6	686.1	655.8	626.2	591.6	556.2	520.7	486.1	447.4	411.9
35°	891.3	860.0	825.4	792.5	746.9	709.8	665.1	616.1	577.3	532.5	487.9
37.5°	1087.9	1036.4	1006.0	971.4	909.8	859.2	809.4	760.4	692.1	644.8	581.6
40°	1334.3	1303.9	1254.2	1198.4	1142.8	1076.1	1008.6	943.6	864.2	798.4	725.0
42.5°	1623.8	1579.1	1528.5	1448.3	1391.7	1313.3	1236.5	1150.4	1053.3	968.9	882.8
45°	1895.6	1842.4	1803.6	1723.4	1664.4	1571.5	1478.7	1387.6	1275.2	1166.4	1066.8
47.5°	2189.3	2145.4	2081.2	2016.3	1956.4	1851.7	1751.3	1640.7	1522.6	1393.5	1264.2
50°	2447.6	2413.0	2369.1	2290.6	2223.9	2136.2	2018.0	1897.3	1747.9	1619.6	1472.7
52.5°	2667.0	2640.0	2578.3	2522.7	2462.8	2380.1	2274.5	2159.0	1997.7	1856.8	1689.6
55°	2926.1	2906.7	2852.6	2818.1	2764.9	2685.6	2586.8	2479.7	2309.1	2155.5	1966.5
57.5°	3350.7	3335.4	3288.2	3273.9	3221.6	3152.3	3030.8	2916.0	2716.8	2526.1	2310.1
60°	4053.7	4023.3	3954.1	3918.7	3808.1	3715.2	3557.4	3399.6	3159.1	2916.0	2656.1
62.5°	4806.5	4721.2	4589.6	4476.5	4319.6	4158.3	3947.4	3706.0	3424.0	3135.4	2836.7
65°	5212.5	5067.4	4901.0	4721.2	4517.9	4280.7	4014.8	3725.4	3422.4	3117.7	2802.1
66°	5258.9	5095.1	4918.8	4718.8	4492.5	4240.2	3970.2	3666.3	3351.5	3054.4	2738.8
67.5°	5200.6	5029.3	4842.8	4620.8	4376.1	4114.4	3830.9	3515.2	3212.2	2910.9	2603.7
70°	4793.1	4622.5	4456.3	4222.5	3961.7	3698.3	3429.9	3077.2	2790.3	2513.4	2240.0
72.5°	3827.5	3711.9	3547.3	3347.3	3093.3	2784.4	2560.6	2245.0	1996.1	1727.7	1515.9
75°	2391.9	2229.0	2025.6	1770.7	1576.6	1325.9	1195.1	955.4	813.6	689.5	569.7
77.5°	1222.9	1100.5	957.9	814.4	676.9	540.1	417.8	295.4	199.2	138.4	103.0
80°	1010.3	902.2	784.0	653.3	531.7	412.7	297.1	202.6	129.1	84.4	65.8
82.5°	834.7	743.5	638.0	516.5	411.0	324.0	225.4	146.8	91.2	59.1	46.4
85°	355.3	322.4	249.0	197.5	148.5	109.7	76.8	51.5	36.3	29.5	27.0
87.5°	15.2	16.9	16.1	12.6	9.3	9.3	8.4	6.7	6.7	6.7	6.7
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°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	138.4	137.6	136.7	136.7	135.9	135.0	129.9	125.8	120.7	117.3	114.0
5°	144.4	143.5	141.8	140.9	139.3	138.4	127.5	118.1	110.6	104.7	100.4
7.5°	150.3	149.4	146.8	144.4	143.5	141.8	124.0	112.2	102.1	95.3	91.2
10°	157.8	155.3	152.7	149.4	146.8	144.4	120.7	105.5	94.5	88.6	84.4
12.5°	168.8	164.6	160.3	156.2	152.7	148.5	119.0	99.6	88.6	81.9	77.6
15°	181.5	175.5	170.5	165.4	159.5	155.3	115.6	94.5	83.5	76.8	71.7
17.5°	193.3	186.5	179.0	171.3	165.4	159.5	112.2	89.4	78.4	71.7	66.6
20°	210.2	200.0	190.8	181.5	173.1	165.4	107.2	84.4	74.3	66.6	61.7
22.5°	228.7	216.9	205.1	192.4	181.5	171.3	103.0	80.2	70.1	62.5	56.6
25°	252.3	238.0	222.0	205.9	193.3	179.8	98.8	76.0	65.8	58.2	52.3
27.5°	285.3	265.0	247.3	227.0	207.7	192.4	95.3	72.5	61.7	54.0	48.1
30°	330.1	300.4	272.6	250.7	227.9	205.9	92.0	68.4	58.2	49.8	43.0
32.5°	379.8	345.2	313.2	280.2	251.5	226.2	88.6	65.0	54.0	45.6	39.7
35°	441.5	397.5	354.5	316.5	281.9	248.1	85.3	61.7	50.7	41.3	35.4
37.5°	530.1	475.1	418.7	369.6	325.0	280.2	82.7	58.2	46.4	37.1	31.2
40°	651.6	580.6	511.5	444.8	386.5	330.9	79.4	54.8	43.0	33.8	27.9
42.5°	783.2	697.1	606.0	530.9	450.7	380.6	76.0	51.5	39.7	30.4	24.5
45°	946.9	839.8	729.2	627.0	529.2	438.9	72.5	48.1	35.4	27.0	21.1
47.5°	1125.9	989.1	864.2	736.0	619.5	511.5	68.4	45.6	32.0	23.6	18.5
50°	1309.8	1165.6	1007.8	861.8	723.3	584.0	64.1	41.3	28.7	21.1	15.2
52.5°	1508.2	1337.7	1176.5	995.0	833.9	679.4	59.9	38.0	26.1	18.5	12.6
55°	1760.5	1569.8	1380.7	1177.4	983.2	789.9	55.8	33.8	22.8	16.1	10.2
57.5°	2077.9	1851.7	1619.6	1390.1	1154.6	935.1	52.3	29.5	19.4	13.5	8.4
60°	2377.5	2113.4	1832.3	1568.2	1302.3	1046.5	47.3	26.1	16.9	11.0	8.4
62.5°	2532.8	2231.5	1928.5	1637.3	1353.8	1086.2	42.2	22.0	14.3	9.3	7.6
65°	2494.8	2187.7	1893.9	1600.2	1322.5	1060.9	37.1	19.4	12.6	8.4	7.6
66°	2440.0	2136.2	1840.7	1561.3	1296.4	1033.9	34.6	18.5	11.8	8.4	6.7
67.5°	2320.1	2026.4	1744.6	1484.6	1224.7	982.4	31.2	16.9	11.0	7.6	6.7
70°	1981.7	1715.0	1489.6	1258.3	1046.5	828.0	25.3	14.3	9.3	6.7	6.7
72.5°	1311.6	1130.2	979.9	843.1	704.8	546.9	21.1	11.8	7.6	6.7	5.9
75°	494.6	447.4	384.0	345.2	301.3	264.1	16.9	7.6	5.9	5.9	5.9
77.5°	87.8	81.0	71.7	65.8	60.7	55.8	13.5	5.1	5.1	5.9	5.9
80°	59.1	54.8	49.8	45.6	42.2	38.0	9.3	4.2	5.1	5.1	5.9
82.5°	42.2	39.7	37.1	33.8	31.2	27.9	5.9	4.2	5.1	5.1	5.1
85°	25.3	23.6	22.0	20.2	17.7	16.9	4.2	4.2	4.2	5.1	5.1
87.5°	6.7	5.9	6.7	6.7	5.1	5.9	3.4	3.4	3.4	4.2	4.2
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):

	145°	155°	165°	175°	180°
0°	132.5	132.5	132.5	132.5	132.5
2.5°	112.2	112.2	110.6	113.1	113.1
5°	97.1	97.1	96.2	97.1	97.1
7.5°	88.6	87.8	87.8	87.8	88.6
10°	81.0	80.2	80.2	80.2	80.2
12.5°	74.3	73.5	72.5	73.5	73.5
15°	68.4	66.6	66.6	66.6	66.6
17.5°	63.3	61.7	60.7	60.7	60.7
20°	58.2	55.8	55.8	55.8	55.8
22.5°	53.2	50.7	50.7	50.7	50.7
25°	48.1	45.6	45.6	45.6	45.6
27.5°	43.9	41.3	41.3	41.3	41.3
30°	38.9	37.1	37.1	38.0	37.1
32.5°	35.4	33.0	33.0	33.8	33.8
35°	31.2	29.5	29.5	29.5	29.5
37.5°	27.0	25.3	25.3	25.3	25.3
40°	23.6	22.0	21.1	22.0	22.0
42.5°	20.2	18.5	17.7	17.7	17.7
45°	17.7	15.2	14.3	15.2	15.2
47.5°	14.3	12.6	12.6	13.5	13.5
50°	11.0	11.0	11.8	13.5	13.5
52.5°	10.2	10.2	11.8	13.5	13.5
55°	9.3	10.2	11.8	12.6	13.5
57.5°	8.4	10.2	11.8	12.6	12.6
60°	8.4	9.3	11.0	12.6	12.6
62.5°	7.6	8.4	10.2	11.8	11.8
65°	7.6	8.4	10.2	11.8	11.8
66°	7.6	8.4	10.2	11.8	11.8
67.5°	7.6	8.4	10.2	11.8	11.8
70°	7.6	8.4	10.2	11.0	11.0
72.5°	6.7	7.6	9.3	11.0	11.0
75°	6.7	7.6	9.3	11.0	11.0
77.5°	6.7	7.6	9.3	11.0	11.0
80°	6.7	7.6	9.3	10.2	11.0
82.5°	5.9	7.6	8.4	10.2	10.2
85°	5.9	6.7	8.4	9.3	10.2
87.5°	5.1	5.9	6.7	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)