

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: P151610

Luminaire Tested: **VXS-E05-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151610
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E05-LED-E1-SL4-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10174.1 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 127.3
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



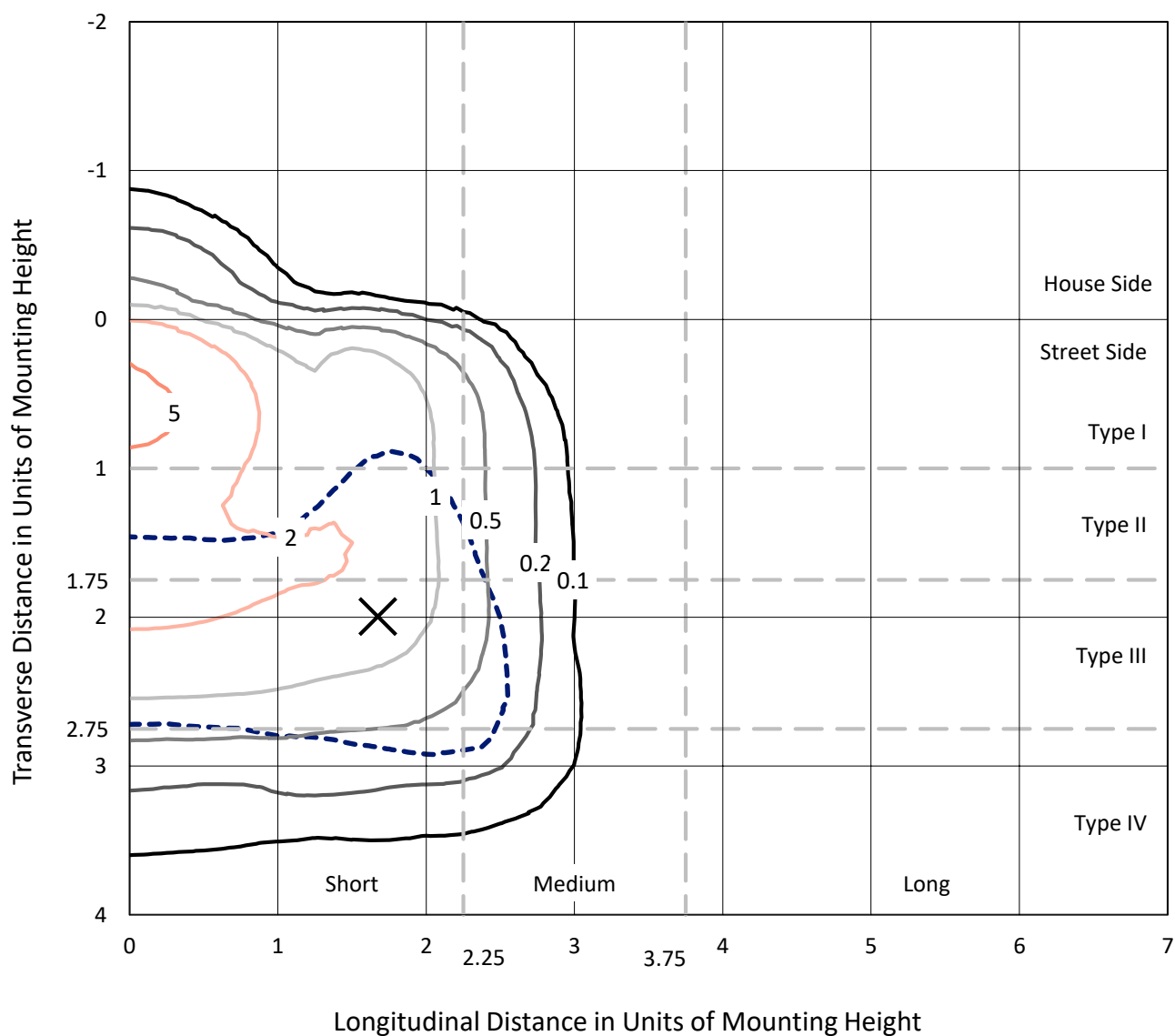
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

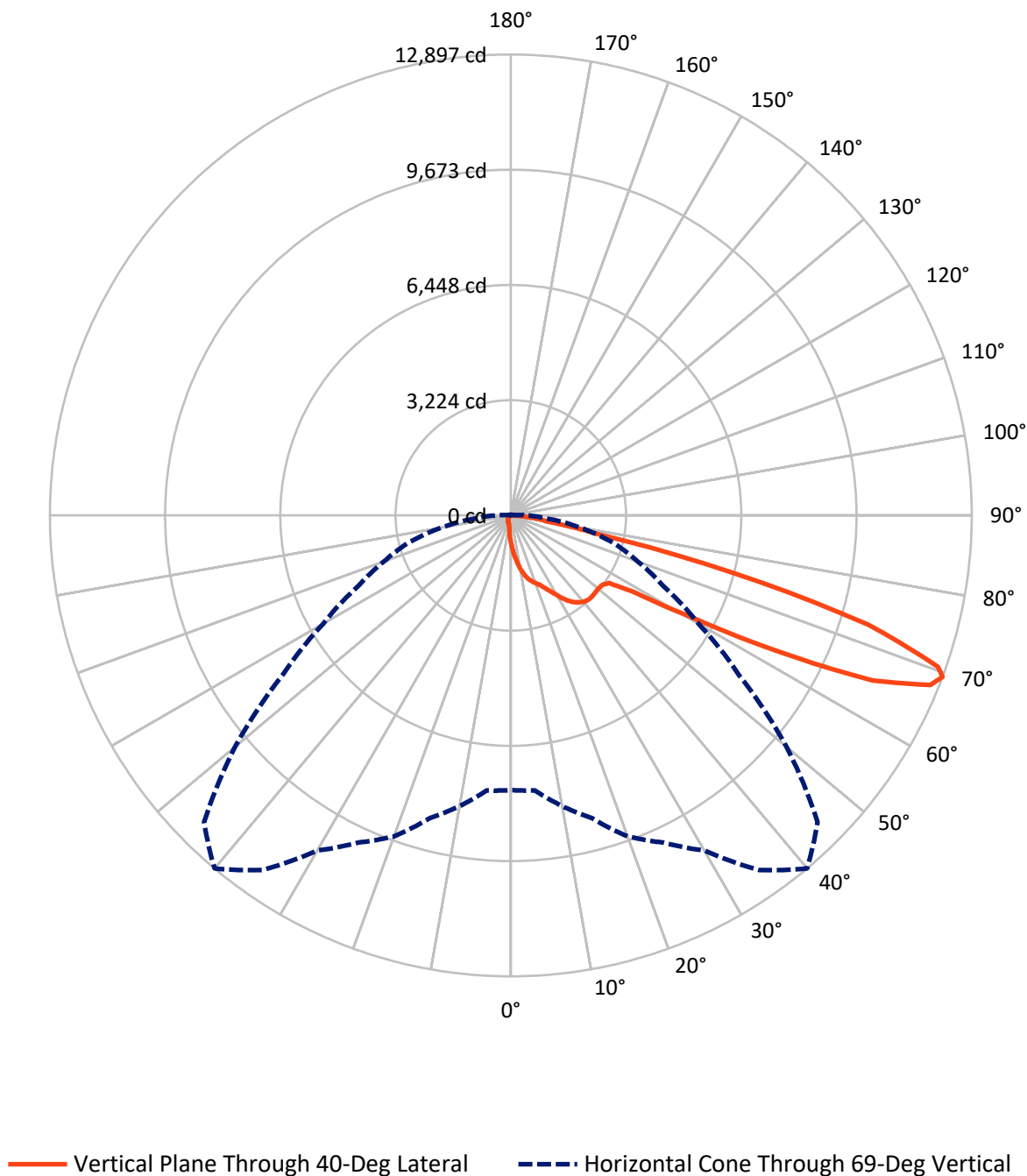


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.0	0.0	303.0
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	9871.1	0.0	9871.1
	% Fixture	97.0	0.0	97.0
Total	Lumens	10174.1	0.0	10174.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	0.8
10°-20°	272.3	2.7
20°-30°	521.1	5.1
30°-40°	866.7	8.5
40°-50°	1172.7	11.5
50°-60°	1834.0	18.0
60°-70°	3770.7	37.1
70°-80°	1517.3	14.9
80°-90°	140.3	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°	10174.1	100.0
0°-180°	10174.1	100.0

Coefficient of Utilization



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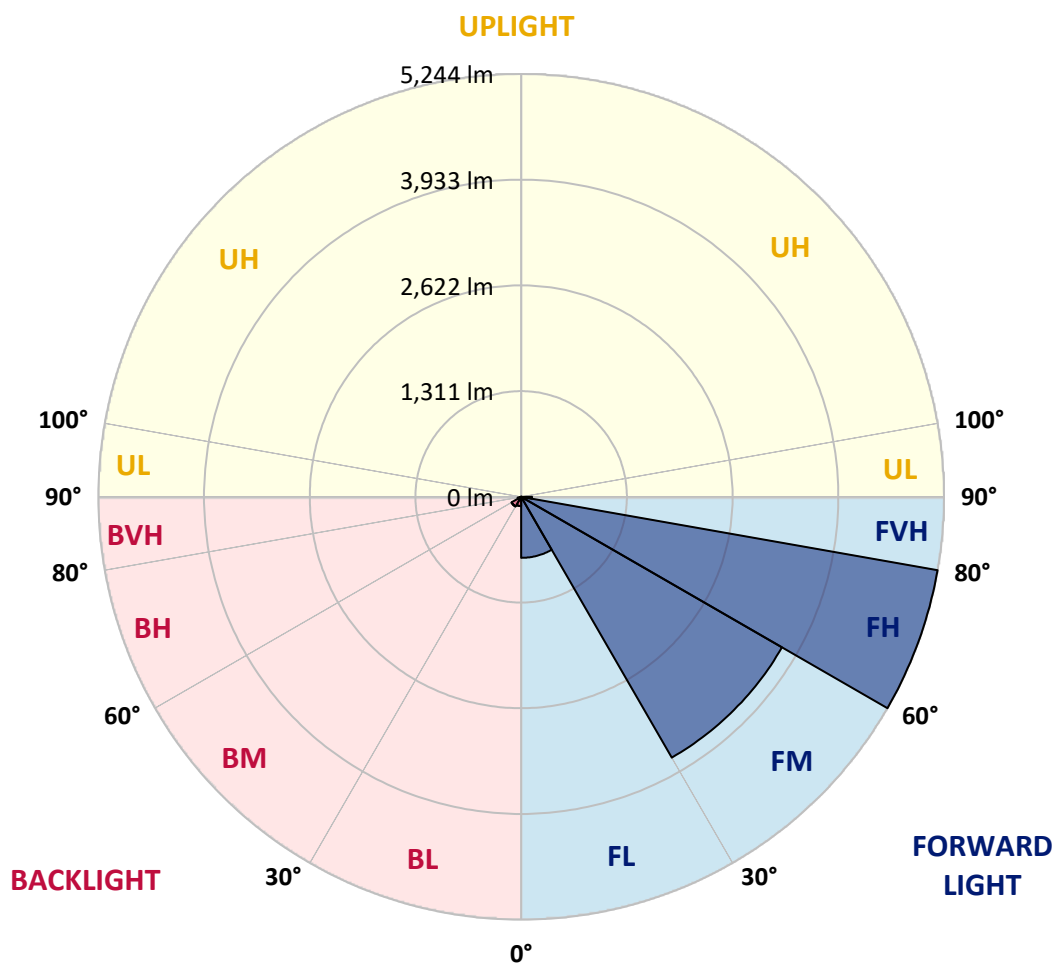
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	757.2	7.4			
FM	(30°-60°)	3735.0	36.7			
FH	(60°-80°)	5243.7	51.5			G3/7500
FVH	(80°-90°)	135.1	1.3			G2/225
BL	(0°-30°)	115.2	1.1	B1/500		
BM	(30°-60°)	138.3	1.4	B0/220		
BH	(60°-80°)	44.2	0.4	B0/110		G0/110
BVH	(80°-90°)	5.2	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°	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3
2.5°	1025.0	1013.4	1000.0	1000.0	983.3	983.3	973.4	946.6	943.3	928.3	913.4
5°	1308.3	1298.3	1281.7	1266.6	1253.4	1230.1	1213.4	1181.7	1146.6	1113.4	1083.3
7.5°	1585.0	1580.0	1550.1	1545.0	1523.3	1485.0	1451.7	1405.0	1345.0	1298.3	1243.3
10°	1841.7	1830.1	1823.3	1795.0	1763.3	1721.7	1670.1	1613.4	1543.3	1470.1	1391.7
12.5°	2045.0	2038.3	2008.3	1996.7	1963.3	1921.7	1856.7	1783.3	1713.4	1618.3	1526.6
15°	2196.7	2185.0	2165.0	2146.6	2106.6	2070.1	2009.9	1929.9	1845.0	1741.7	1631.7
17.5°	2323.3	2301.7	2296.7	2268.3	2226.6	2183.3	2116.7	2043.3	1943.3	1840.0	1720.0
20°	2493.4	2463.3	2453.4	2411.7	2363.3	2303.3	2226.6	2135.0	2030.1	1916.7	1793.4
22.5°	2693.4	2671.7	2649.9	2613.4	2551.7	2466.6	2355.0	2255.0	2121.7	1996.7	1863.3
25°	2976.7	2958.3	2923.3	2873.4	2796.7	2695.0	2560.0	2413.4	2256.7	2096.7	1940.0
27.5°	3251.7	3235.0	3209.9	3171.7	3085.0	2973.4	2806.6	2620.0	2421.7	2228.3	2055.0
30°	3510.1	3495.0	3470.1	3431.7	3355.0	3245.0	3056.7	2856.7	2609.9	2385.0	2176.7
32.5°	3788.3	3783.3	3755.0	3700.0	3633.4	3485.0	3280.0	3065.0	2815.0	2555.0	2311.7
35°	4103.3	4065.0	4038.3	3983.3	3870.1	3711.7	3471.7	3236.7	2973.4	2706.6	2435.0
37.5°	4369.9	4333.4	4300.0	4230.1	4091.7	3889.9	3618.3	3360.0	3088.3	2816.7	2540.0
40°	4565.0	4546.6	4506.6	4415.0	4260.0	4020.0	3726.6	3445.0	3171.7	2898.3	2625.0
42.5°	4710.1	4681.7	4636.7	4541.7	4358.3	4085.0	3769.9	3480.0	3209.9	2948.3	2680.0
45°	4763.3	4740.0	4698.3	4595.0	4396.7	4103.3	3768.3	3470.1	3211.7	2963.3	2716.7
47.5°	4731.7	4708.3	4671.7	4575.0	4380.0	4081.7	3738.3	3441.7	3195.0	2968.3	2750.1
50°	4626.6	4613.4	4585.0	4503.3	4328.3	4040.0	3711.7	3426.6	3191.7	2993.4	2796.7
52.5°	4616.7	4608.3	4573.4	4491.7	4313.4	4026.6	3708.3	3435.0	3220.0	3025.0	2830.1
55°	5641.7	5523.3	5258.3	5033.4	4663.3	4223.3	3876.7	3569.9	3340.0	3150.1	3013.4
57.5°	8018.3	7841.7	7493.4	7065.0	6215.0	5380.0	4711.7	4228.3	3990.1	3903.3	3955.0
60°	9131.7	9100.0	9045.0	8841.7	8406.6	7688.3	6888.3	6023.3	5676.7	5646.6	5751.7
62.5°	9660.0	9640.0	9656.7	9631.7	9496.7	9286.6	9056.7	8683.3	8340.0	8118.3	7648.3
65°	9903.3	9916.7	10011.7	10086.6	10103.3	10158.3	10326.6	10791.7	11131.7	10560.0	9255.0
67.5°	9285.0	9363.3	9581.7	9855.0	10175.0	10485.0	10985.0	11965.0	12663.3	11991.7	10138.3
69°	7686.6	7725.0	8258.3	8773.4	9555.0	10101.7	10826.6	12111.7	12896.7	12138.3	10068.3
70°	6051.7	6086.6	6658.3	7358.3	8680.0	9383.3	10331.7	11863.3	12678.3	11943.3	9708.3
72.5°	2730.1	2680.0	2881.7	3256.7	4693.4	5810.1	7468.3	9611.7	10460.0	9568.3	7263.3
75°	1906.6	1885.0	1906.6	1908.3	2131.7	2750.1	3470.1	5210.1	6443.3	5560.0	3470.1
77.5°	1476.7	1461.7	1446.6	1430.1	1456.7	1631.7	1701.7	1848.3	2400.0	2270.1	1323.3
80°	1168.3	1155.0	1191.7	1180.0	1180.0	1200.0	1186.6	1131.7	1028.3	953.4	853.4
82.5°	543.3	546.6	546.6	593.4	715.0	835.0	873.4	818.3	726.6	618.3	498.3
85°	51.7	58.3	98.3	151.7	301.7	340.0	341.7	283.3	283.3	223.3	180.0
87.5°	0.0	1.7	1.7	1.7	15.0	41.7	35.0	9.9	5.0	5.0	8.3
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°	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3
2.5°	886.6	881.7	861.7	841.7	823.3	803.3	785.0	766.6	746.6	731.7	713.4
5°	1036.7	1000.0	958.3	918.3	878.3	836.7	793.4	755.0	715.0	678.3	643.3
7.5°	1188.3	1116.7	1060.0	988.3	923.3	858.3	798.3	736.7	680.0	626.6	576.7
10°	1316.7	1230.1	1141.7	1049.9	956.7	870.1	786.6	713.4	638.3	573.4	511.7
12.5°	1421.7	1311.7	1203.3	1088.3	983.3	873.4	770.1	681.7	593.4	520.0	456.7
15°	1516.7	1390.1	1260.0	1126.6	993.4	868.3	753.4	643.3	553.4	470.1	398.3
17.5°	1593.4	1448.3	1301.7	1151.7	1008.3	861.7	731.7	616.7	511.7	425.0	355.0
20°	1660.0	1508.3	1350.1	1181.7	1018.3	860.0	713.4	583.3	475.0	383.3	315.0
22.5°	1721.7	1569.9	1400.0	1220.0	1033.4	858.3	696.7	558.3	443.3	351.7	283.3
25°	1791.7	1631.7	1453.4	1260.0	1060.0	865.0	686.6	538.3	415.0	321.7	258.3
27.5°	1870.1	1701.7	1516.7	1310.1	1095.0	878.3	683.3	516.7	390.1	293.4	238.3
30°	1980.0	1785.0	1580.0	1360.0	1126.6	893.4	680.0	503.3	365.0	271.7	218.3
32.5°	2076.7	1866.6	1649.9	1411.7	1161.7	908.3	678.3	485.0	341.7	249.9	203.3
35°	2178.3	1941.7	1710.1	1461.7	1191.7	925.0	676.7	471.7	320.0	228.3	188.3
37.5°	2266.6	2005.0	1756.7	1505.0	1225.0	940.0	678.3	460.0	300.0	209.9	175.0
40°	2341.7	2070.1	1808.3	1545.0	1260.0	963.3	680.0	448.3	280.0	193.4	163.3
42.5°	2408.3	2131.7	1863.3	1590.1	1300.0	990.1	689.9	438.3	263.3	178.3	151.7
45°	2460.0	2188.3	1923.3	1653.4	1365.0	1033.4	708.3	431.7	246.6	165.0	141.7
47.5°	2513.4	2271.7	2025.0	1753.4	1460.0	1101.7	740.0	430.1	233.4	155.0	133.4
50°	2586.6	2355.0	2115.0	1855.0	1546.6	1171.7	778.3	431.7	216.7	145.0	125.0
52.5°	2640.0	2440.0	2231.7	2031.7	1753.4	1385.0	926.6	461.7	208.3	136.7	115.0
55°	2955.0	2920.0	2925.0	2958.3	2743.3	2356.7	1550.1	666.6	245.0	155.0	113.4
57.5°	4166.6	4289.9	4361.7	4360.0	4005.0	3321.7	2081.7	856.7	273.4	180.0	135.0
60°	5760.0	5666.6	5535.0	5210.1	4738.3	3791.7	2328.3	921.7	236.7	143.3	123.3
62.5°	7168.3	6621.7	6136.7	5610.1	4991.7	3955.0	2378.3	916.7	206.6	108.3	86.6
65°	8046.6	7063.3	6280.0	5620.0	4891.7	3818.3	2249.9	841.7	175.0	88.3	71.7
67.5°	8256.7	6825.0	5716.7	4875.0	4086.6	2971.7	1651.7	633.4	136.7	73.4	63.3
69°	7798.3	6066.6	4736.7	3781.7	2973.4	1971.7	1021.7	400.0	105.0	66.6	58.3
70°	7173.4	5276.7	3858.3	3035.0	2201.7	1385.0	715.0	281.7	85.0	61.7	53.4
72.5°	4615.0	2771.7	1896.7	1320.0	908.3	551.7	280.0	126.6	65.0	51.7	43.3
75°	1790.1	1025.0	743.3	565.0	441.7	306.6	169.9	81.7	55.0	43.3	33.4
77.5°	881.7	675.0	551.7	378.3	220.0	136.7	91.7	63.3	45.0	31.7	21.7
80°	696.7	463.3	276.7	171.7	129.9	98.3	70.1	51.7	33.4	20.0	15.0
82.5°	356.7	195.0	143.3	116.7	96.7	76.7	56.7	36.7	21.7	13.4	11.7
85°	111.7	81.7	73.4	71.7	66.6	55.0	40.0	23.3	13.4	8.3	8.3
87.5°	8.3	11.7	15.0	11.7	13.4	11.7	15.0	9.9	6.6	6.6	5.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3	768.3
2.5°	700.0	680.0	661.7	649.9	628.3	620.0	611.7	608.3	593.4	596.7	583.3
5°	611.7	576.7	550.1	523.3	498.3	480.0	465.0	446.6	431.7	425.0	411.7
7.5°	531.7	486.6	451.7	423.3	393.4	369.9	350.1	336.7	323.3	310.1	303.3
10°	461.7	413.4	373.4	345.0	316.7	296.7	281.7	271.7	263.3	258.3	256.7
12.5°	396.7	350.1	313.4	288.3	266.6	256.7	249.9	245.0	243.3	241.7	241.7
15°	346.6	300.0	271.7	253.4	243.3	238.3	236.7	233.4	230.1	228.3	228.3
17.5°	300.0	265.0	245.0	235.0	230.1	226.6	223.3	220.0	216.7	215.0	215.0
20°	268.3	240.0	230.1	223.3	218.3	215.0	209.9	206.6	205.0	203.3	201.7
22.5°	243.3	225.0	218.3	213.4	206.6	201.7	198.3	195.0	191.7	190.1	188.3
25°	225.0	213.4	208.3	201.7	195.0	190.1	185.0	180.0	176.7	175.0	171.7
27.5°	211.7	203.3	196.7	188.3	181.7	176.7	171.7	166.6	163.3	160.0	158.3
30°	200.0	191.7	183.3	176.7	168.3	163.3	156.7	151.7	150.1	146.6	143.3
32.5°	188.3	180.0	171.7	163.3	155.0	148.3	145.0	138.3	135.0	133.4	129.9
35°	175.0	166.6	156.7	150.1	141.7	135.0	129.9	125.0	121.7	118.3	116.7
37.5°	163.3	153.4	143.3	135.0	128.3	121.7	116.7	111.7	108.3	105.0	103.3
40°	150.1	140.0	129.9	121.7	115.0	110.1	105.0	100.0	96.7	95.0	95.0
42.5°	138.3	126.6	116.7	110.1	105.0	98.3	93.4	88.3	86.6	85.0	86.6
45°	126.6	115.0	106.6	100.0	95.0	88.3	83.3	80.0	78.3	80.0	81.7
47.5°	116.7	105.0	96.7	91.7	86.6	81.7	76.7	73.4	73.4	76.7	80.0
50°	106.6	95.0	88.3	85.0	80.0	75.0	68.3	66.6	68.3	71.7	75.0
52.5°	96.7	83.3	78.3	76.7	71.7	66.6	61.7	60.0	61.7	65.0	63.3
55°	86.6	73.4	71.7	70.1	65.0	58.3	53.4	53.4	53.4	51.7	48.3
57.5°	83.3	65.0	63.3	61.7	56.7	49.9	46.6	43.3	41.7	36.7	35.0
60°	86.6	58.3	58.3	55.0	49.9	43.3	38.3	33.4	30.1	26.6	26.6
62.5°	70.1	53.4	51.7	48.3	41.7	35.0	30.1	25.0	23.3	21.7	21.7
65°	56.7	48.3	45.0	40.0	35.0	28.3	23.3	20.0	18.3	18.3	20.0
67.5°	51.7	43.3	38.3	33.4	28.3	21.7	18.3	16.7	16.7	18.3	18.3
69°	48.3	40.0	35.0	30.1	25.0	20.0	16.7	16.7	16.7	16.7	18.3
70°	45.0	38.3	33.4	28.3	21.7	16.7	15.0	15.0	16.7	16.7	18.3
72.5°	35.0	30.1	28.3	23.3	16.7	15.0	13.4	15.0	15.0	16.7	16.7
75°	26.6	21.7	21.7	18.3	13.4	11.7	11.7	13.4	13.4	15.0	15.0
77.5°	18.3	15.0	15.0	13.4	11.7	9.9	9.9	11.7	13.4	13.4	15.0
80°	13.4	11.7	9.9	11.7	9.9	8.3	9.9	11.7	11.7	13.4	13.4
82.5°	9.9	9.9	9.9	9.9	8.3	8.3	9.9	9.9	11.7	13.4	13.4
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.9	9.9	11.7	11.7
87.5°	5.0	5.0	5.0	6.6	6.6	8.3	8.3	8.3	8.3	9.9	9.9
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):

	165°	170°	175°	180°
0°	768.3	768.3	768.3	768.3
2.5°	580.0	578.3	571.7	573.4
5°	406.6	396.7	403.3	401.7
7.5°	298.3	296.7	295.0	298.3
10°	255.0	255.0	253.4	255.0
12.5°	240.0	240.0	240.0	240.0
15°	228.3	228.3	226.6	226.6
17.5°	215.0	215.0	215.0	213.4
20°	201.7	200.0	200.0	200.0
22.5°	186.6	185.0	185.0	185.0
25°	171.7	169.9	169.9	169.9
27.5°	156.7	155.0	153.4	153.4
30°	141.7	140.0	138.3	138.3
32.5°	126.6	125.0	123.3	123.3
35°	113.4	113.4	111.7	110.1
37.5°	101.7	101.7	101.7	101.7
40°	93.4	95.0	95.0	95.0
42.5°	88.3	90.1	91.7	93.4
45°	85.0	88.3	90.1	90.1
47.5°	83.3	85.0	86.6	86.6
50°	76.7	75.0	75.0	75.0
52.5°	61.7	58.3	56.7	55.0
55°	45.0	43.3	40.0	40.0
57.5°	31.7	31.7	30.1	30.1
60°	25.0	25.0	23.3	25.0
62.5°	21.7	21.7	21.7	21.7
65°	20.0	20.0	20.0	20.0
67.5°	20.0	20.0	20.0	20.0
69°	18.3	18.3	18.3	18.3
70°	18.3	18.3	18.3	18.3
72.5°	16.7	16.7	16.7	16.7
75°	15.0	16.7	16.7	16.7
77.5°	15.0	15.0	15.0	15.0
80°	13.4	13.4	15.0	15.0
82.5°	13.4	13.4	13.4	13.4
85°	11.7	11.7	13.4	13.4
87.5°	9.9	9.9	11.7	11.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)