

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: P151614

Luminaire Tested: **VXS-F05-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151614
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-F05-LED-E1-SL4-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7671.2 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3
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



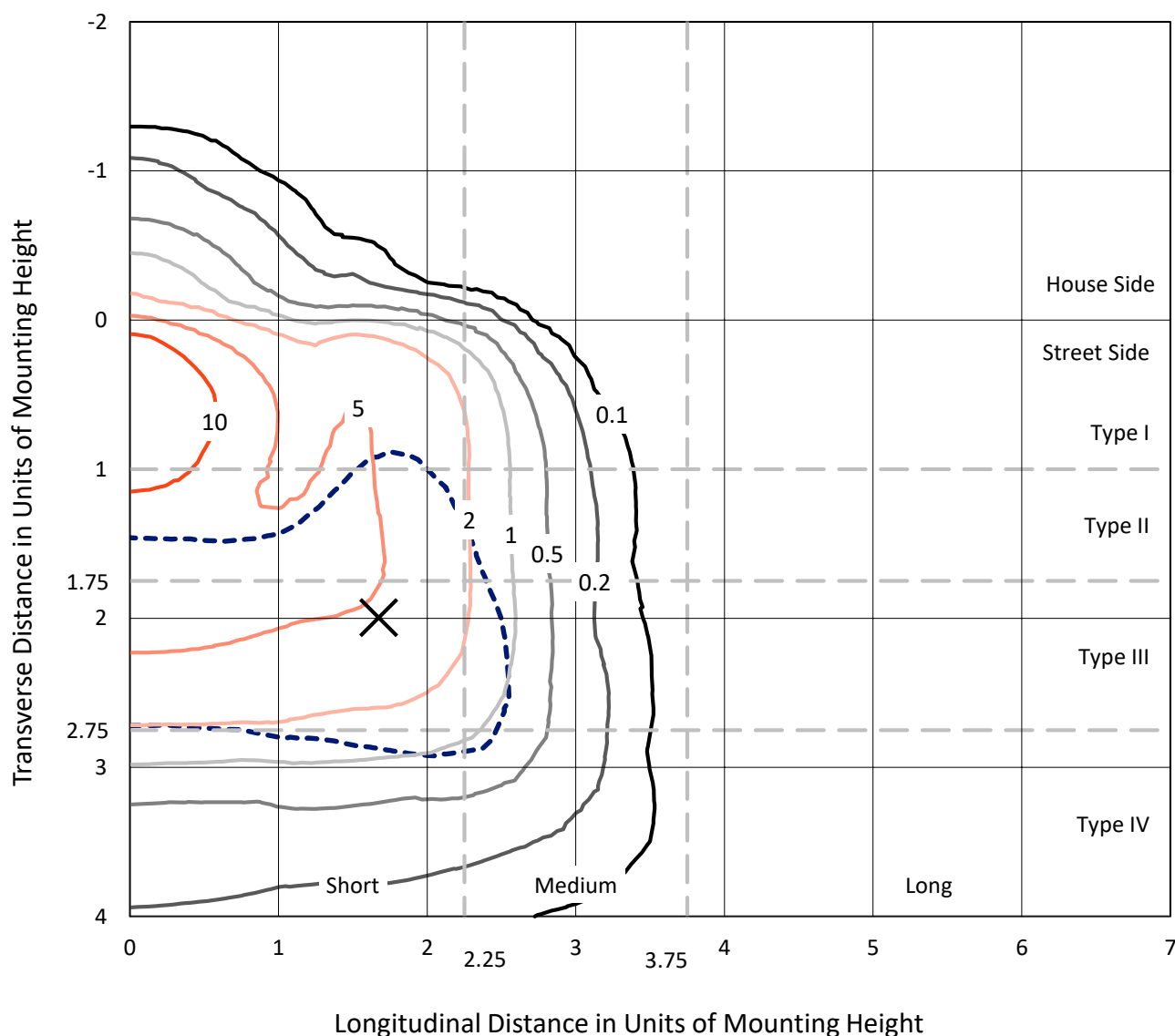
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

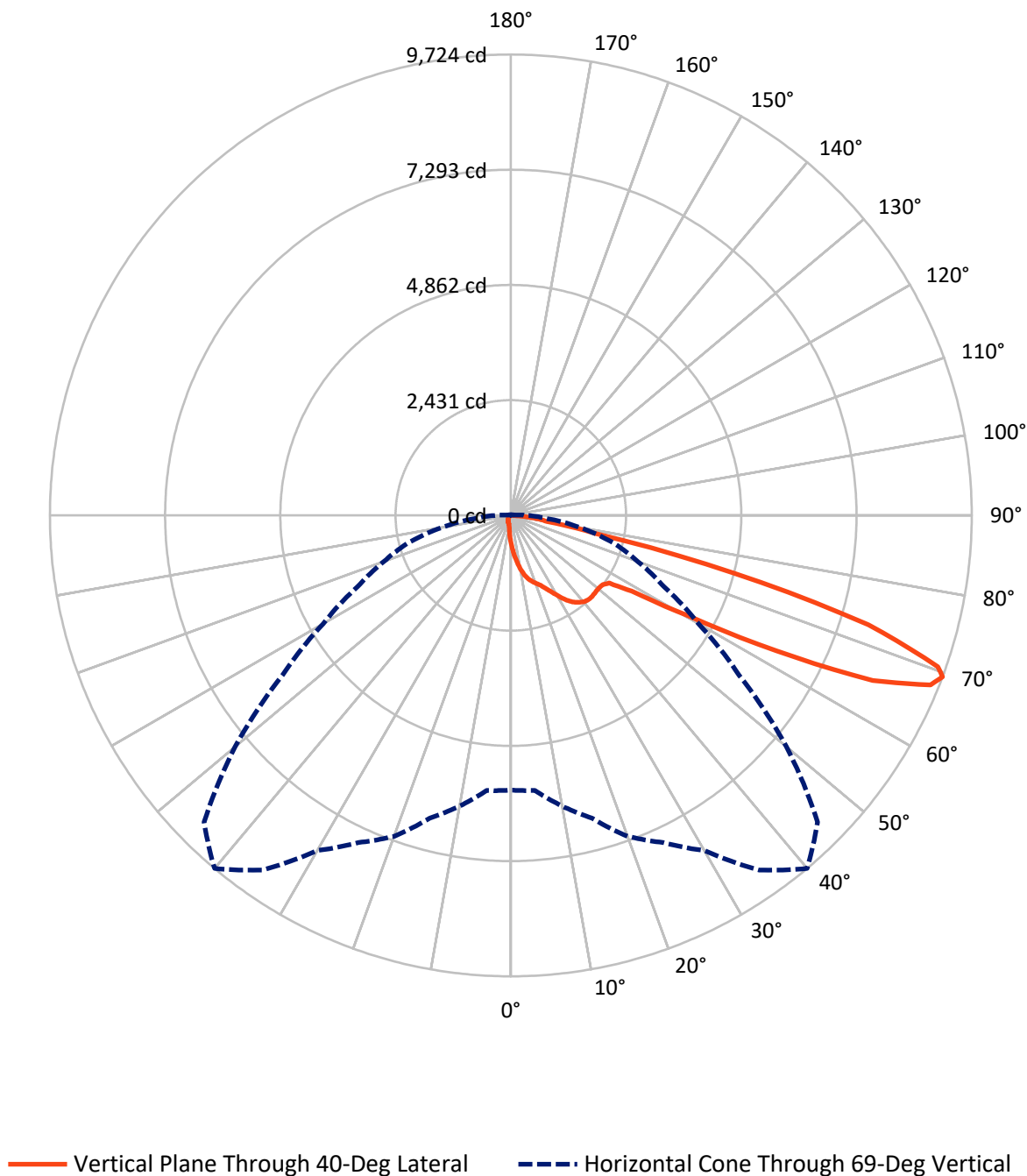


Based on 10 foot mounting height. Maximum calculated value = 17.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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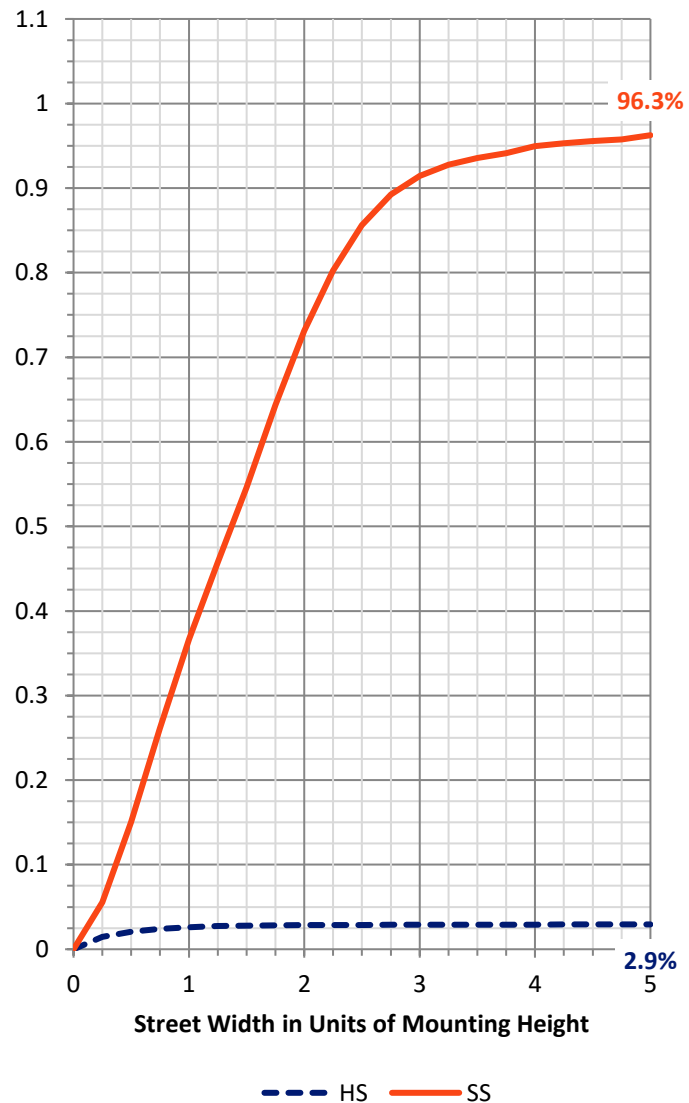
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	228.5	0.0	228.5
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	7442.7	0.0	7442.7
	% Fixture	97.0	0.0	97.0
Total	Lumens	7671.2	0.0	7671.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	0.8
10°-20°	205.3	2.7
20°-30°	392.9	5.1
30°-40°	653.5	8.5
40°-50°	884.2	11.5
50°-60°	1382.8	18.0
60°-70°	2843.1	37.1
70°-80°	1144.0	14.9
80°-90°	105.8	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°	7671.2	100.0
0°-180°	7671.2	100.0

Coefficient of Utilization



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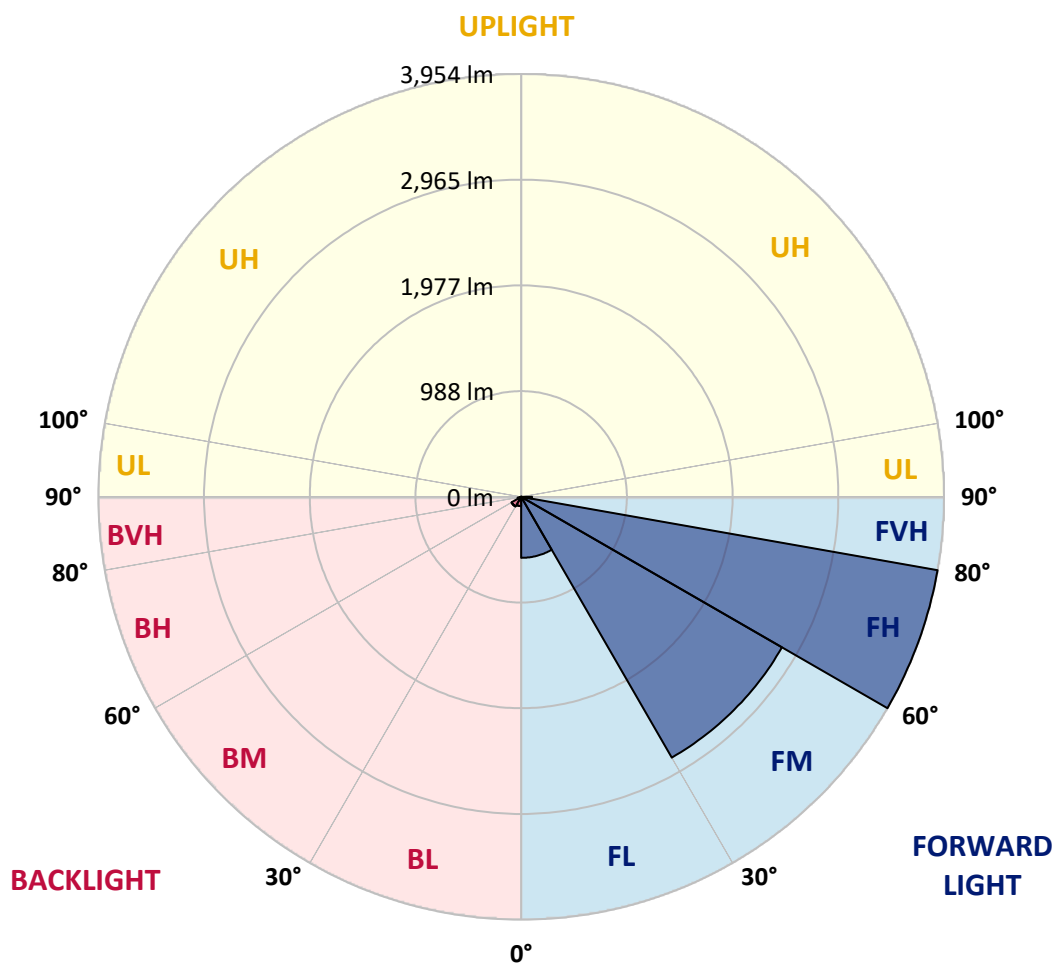
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	570.9	7.4			
FM	(30°-60°)	2816.2	36.7			
FH	(60°-80°)	3953.7	51.5			G2/5000
FVH	(80°-90°)	101.9	1.3			G2/225
BL	(0°-30°)	86.9	1.1	B0/110		
BM	(30°-60°)	104.3	1.4	B0/220		
BH	(60°-80°)	33.3	0.4	B0/110		G0/110
BVH	(80°-90°)	3.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3
2.5°	772.8	764.0	754.0	754.0	741.5	741.5	733.9	713.8	711.3	700.0	688.6
5°	986.4	979.0	966.3	955.0	945.0	927.5	914.8	891.0	864.6	839.5	816.8
7.5°	1195.1	1191.3	1168.7	1164.9	1148.6	1119.7	1094.5	1059.4	1014.1	979.0	937.5
10°	1388.6	1379.8	1374.8	1353.4	1329.5	1298.1	1259.2	1216.5	1163.6	1108.4	1049.3
12.5°	1541.9	1536.9	1514.3	1505.5	1480.3	1448.9	1399.9	1344.7	1291.8	1220.2	1151.1
15°	1656.3	1647.5	1632.4	1618.5	1588.4	1560.7	1515.5	1455.2	1391.1	1313.2	1230.3
17.5°	1751.8	1735.4	1731.7	1710.3	1678.9	1646.2	1596.0	1540.6	1465.3	1387.4	1296.9
20°	1880.0	1857.3	1849.8	1818.3	1782.0	1736.7	1678.9	1609.7	1530.6	1445.2	1352.1
22.5°	2030.8	2014.4	1998.0	1970.5	1923.9	1859.9	1775.6	1700.2	1599.7	1505.5	1405.0
25°	2244.4	2230.6	2204.1	2166.4	2108.7	2032.0	1930.3	1819.7	1701.6	1580.8	1462.8
27.5°	2451.7	2439.2	2420.3	2391.4	2326.1	2241.9	2116.2	1975.4	1825.9	1680.1	1549.4
30°	2646.5	2635.2	2616.4	2587.5	2529.6	2446.7	2304.7	2153.9	1967.9	1798.2	1641.2
32.5°	2856.4	2852.6	2831.3	2789.7	2739.5	2627.7	2473.1	2311.0	2122.5	1926.4	1743.0
35°	3093.9	3065.0	3044.9	3003.4	2917.9	2798.5	2617.6	2440.4	2241.9	2040.8	1836.0
37.5°	3294.9	3267.3	3242.2	3189.4	3085.1	2933.1	2728.2	2533.4	2328.6	2123.7	1915.1
40°	3442.0	3428.2	3398.0	3328.9	3212.0	3031.1	2809.8	2597.5	2391.4	2185.3	1979.3
42.5°	3551.3	3529.9	3496.1	3424.4	3286.1	3080.1	2842.6	2623.9	2420.3	2223.0	2020.7
45°	3591.5	3573.9	3542.5	3464.6	3315.0	3093.9	2841.3	2616.4	2421.6	2234.3	2048.4
47.5°	3567.7	3550.1	3522.4	3449.5	3302.5	3077.5	2818.7	2595.0	2409.0	2238.1	2073.5
50°	3488.5	3478.4	3457.1	3395.4	3263.5	3046.1	2798.5	2583.7	2406.5	2257.0	2108.7
52.5°	3480.9	3474.6	3448.3	3386.7	3252.2	3036.1	2796.1	2589.9	2427.9	2280.8	2133.8
55°	4253.8	4164.6	3964.8	3795.1	3516.2	3184.4	2923.0	2691.7	2518.3	2375.1	2272.0
57.5°	6045.8	5912.5	5649.9	5326.9	4686.1	4056.5	3552.5	3188.2	3008.4	2943.1	2982.1
60°	6885.2	6861.3	6819.9	6666.5	6338.5	5797.0	5193.8	4541.6	4280.2	4257.5	4336.7
62.5°	7283.6	7268.5	7281.0	7262.2	7160.4	7002.1	6828.7	6547.2	6288.3	6121.1	5766.8
65°	7467.0	7477.1	7548.7	7605.3	7617.8	7659.3	7786.2	8136.9	8393.2	7962.2	6978.2
67.5°	7000.8	7059.9	7224.6	7430.6	7671.9	7905.6	8282.6	9021.6	9548.1	9041.7	7644.2
69°	5795.6	5824.6	6226.7	6615.0	7204.5	7616.6	8163.2	9132.1	9724.0	9152.2	7591.5
70°	4562.9	4589.3	5020.3	5548.2	6544.7	7074.9	7790.1	8944.9	9559.4	9005.2	7320.0
72.5°	2058.4	2020.7	2172.7	2455.5	3538.8	4380.7	5631.1	7247.2	7886.7	7214.5	5476.5
75°	1437.6	1421.2	1437.6	1438.9	1607.3	2073.5	2616.4	3928.3	4858.2	4192.2	2616.4
77.5°	1113.4	1102.1	1090.8	1078.2	1098.3	1230.3	1283.0	1393.7	1809.5	1711.6	997.8
80°	880.9	870.9	898.5	889.7	889.7	904.8	894.7	853.3	775.3	718.8	643.4
82.5°	409.6	412.2	412.2	447.4	539.1	629.5	658.4	617.0	547.9	466.2	375.8
85°	39.0	43.9	74.1	114.4	227.5	256.4	257.6	213.7	213.7	168.4	135.8
87.5°	0.0	1.2	1.2	1.2	11.3	31.4	26.4	7.6	3.7	3.7	6.3
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°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3
2.5°	668.5	664.8	649.7	634.6	620.8	605.7	591.9	578.0	563.0	551.7	537.8
5°	781.7	754.0	722.6	692.4	662.3	630.9	598.1	569.2	539.1	511.5	485.1
7.5°	896.0	842.0	799.3	745.2	696.2	647.2	602.0	555.4	512.7	472.5	434.8
10°	992.7	927.5	860.8	791.7	721.3	656.0	593.2	537.8	481.3	432.3	385.8
12.5°	1071.9	989.0	907.3	820.6	741.5	658.4	580.6	514.0	447.4	392.1	344.4
15°	1143.5	1048.1	950.1	849.5	749.0	654.7	568.0	485.1	417.2	354.4	300.3
17.5°	1201.3	1092.0	981.5	868.4	760.3	649.7	551.7	465.0	385.8	320.4	267.7
20°	1251.6	1137.3	1017.9	891.0	767.8	648.4	537.8	439.8	358.1	289.0	237.5
22.5°	1298.1	1183.7	1055.5	919.9	779.2	647.2	525.3	420.9	334.3	265.2	213.7
25°	1350.9	1230.3	1095.9	950.1	799.3	652.2	517.7	405.9	313.0	242.5	194.8
27.5°	1409.9	1283.0	1143.5	987.8	825.6	662.3	515.2	389.5	294.1	221.1	179.7
30°	1493.0	1345.9	1191.3	1025.4	849.5	673.6	512.7	379.5	275.2	204.9	164.7
32.5°	1565.8	1407.5	1244.0	1064.4	875.9	684.9	511.5	365.7	257.6	188.5	153.3
35°	1642.5	1464.0	1289.3	1102.1	898.5	697.4	510.2	355.6	241.2	172.1	142.0
37.5°	1709.0	1511.7	1324.6	1134.7	923.6	708.7	511.5	346.8	226.2	158.3	131.9
40°	1765.6	1560.7	1363.5	1164.9	950.1	726.3	512.7	338.0	211.1	145.8	123.1
42.5°	1815.9	1607.3	1405.0	1198.9	980.2	746.4	520.2	330.5	198.5	134.5	114.4
45°	1854.8	1649.9	1450.2	1246.6	1029.2	779.2	534.1	325.5	186.0	124.5	106.8
47.5°	1895.0	1712.8	1526.8	1322.0	1100.8	830.7	557.9	324.2	176.0	116.9	100.5
50°	1950.4	1775.6	1594.7	1398.7	1166.2	883.4	586.8	325.5	163.3	109.3	94.3
52.5°	1990.6	1839.8	1682.7	1531.8	1322.0	1044.2	698.7	348.1	157.1	103.0	86.7
55°	2228.1	2201.7	2205.4	2230.6	2068.5	1776.9	1168.7	502.7	184.8	116.9	85.5
57.5°	3141.7	3234.6	3288.7	3287.5	3019.8	2504.6	1569.5	645.9	206.1	135.8	101.8
60°	4343.0	4272.6	4173.4	3928.3	3572.6	2858.9	1755.5	694.9	178.4	108.1	93.0
62.5°	5404.9	4992.6	4627.0	4229.9	3763.7	2982.1	1793.3	691.2	155.9	81.7	65.4
65°	6067.2	5325.7	4735.1	4237.4	3688.3	2879.0	1696.5	634.6	131.9	66.6	54.0
67.5°	6225.5	5146.0	4310.4	3675.8	3081.3	2240.6	1245.4	477.5	103.0	55.3	47.8
69°	5879.9	4574.2	3571.4	2851.4	2241.9	1486.6	770.4	301.6	79.2	50.3	43.9
70°	5408.6	3978.5	2909.1	2288.4	1660.0	1044.2	539.1	212.3	64.0	46.5	40.2
72.5°	3479.7	2089.8	1430.1	995.2	684.9	416.0	211.1	95.5	49.0	39.0	32.6
75°	1349.6	772.8	560.5	426.0	333.1	231.2	128.2	61.6	41.5	32.6	25.2
77.5°	664.8	508.9	416.0	285.3	165.9	103.0	69.1	47.8	33.9	23.8	16.4
80°	525.3	349.3	208.6	129.4	98.0	74.1	52.7	39.0	25.2	15.1	11.3
82.5°	268.9	147.0	108.1	88.0	72.8	57.8	42.7	27.7	16.4	10.1	8.8
85°	84.1	61.6	55.3	54.0	50.3	41.5	30.2	17.6	10.1	6.3	6.3
87.5°	6.3	8.8	11.3	8.8	10.1	8.8	11.3	7.6	5.1	5.1	3.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3	579.3
2.5°	527.8	512.7	498.9	490.1	473.8	467.5	461.2	458.7	447.4	449.8	439.8
5°	461.2	434.8	414.7	394.6	375.8	361.9	350.6	336.8	325.5	320.4	310.4
7.5°	400.8	366.9	340.5	319.2	296.6	279.0	263.9	253.9	243.8	233.8	228.7
10°	348.1	311.6	281.5	260.1	238.8	223.7	212.3	204.9	198.5	194.8	193.6
12.5°	299.1	263.9	236.3	217.4	201.0	193.6	188.5	184.8	183.5	182.2	182.2
15°	261.3	226.2	204.9	191.0	183.5	179.7	178.4	176.0	173.4	172.1	172.1
17.5°	226.2	199.8	184.8	177.2	173.4	170.9	168.4	165.9	163.3	162.1	162.1
20°	202.3	180.9	173.4	168.4	164.7	162.1	158.3	155.9	154.6	153.3	152.0
22.5°	183.5	169.6	164.7	160.8	155.9	152.0	149.5	147.0	144.6	143.2	142.0
25°	169.6	160.8	157.1	152.0	147.0	143.2	139.5	135.8	133.2	131.9	129.4
27.5°	159.6	153.3	148.3	142.0	137.0	133.2	129.4	125.7	123.1	120.6	119.4
30°	150.8	144.6	138.2	133.2	126.9	123.1	118.1	114.4	113.1	110.6	108.1
32.5°	142.0	135.8	129.4	123.1	116.9	111.8	109.3	104.4	101.8	100.5	98.0
35°	131.9	125.7	118.1	113.1	106.8	101.8	98.0	94.3	91.7	89.2	88.0
37.5°	123.1	115.6	108.1	101.8	96.8	91.7	88.0	84.1	81.7	79.2	77.9
40°	113.1	105.6	98.0	91.7	86.7	82.9	79.2	75.4	72.8	71.6	71.6
42.5°	104.4	95.5	88.0	82.9	79.2	74.1	70.4	66.6	65.4	64.0	65.4
45°	95.5	86.7	80.4	75.4	71.6	66.6	62.8	60.3	59.1	60.3	61.6
47.5°	88.0	79.2	72.8	69.1	65.4	61.6	57.8	55.3	55.3	57.8	60.3
50°	80.4	71.6	66.6	64.0	60.3	56.6	51.5	50.3	51.5	54.0	56.6
52.5°	72.8	62.8	59.1	57.8	54.0	50.3	46.5	45.3	46.5	49.0	47.8
55°	65.4	55.3	54.0	52.7	49.0	43.9	40.2	40.2	40.2	39.0	36.5
57.5°	62.8	49.0	47.8	46.5	42.7	37.7	35.2	32.6	31.4	27.7	26.4
60°	65.4	43.9	43.9	41.5	37.7	32.6	28.9	25.2	22.6	20.1	20.1
62.5°	52.7	40.2	39.0	36.5	31.4	26.4	22.6	18.9	17.6	16.4	16.4
65°	42.7	36.5	33.9	30.2	26.4	21.3	17.6	15.1	13.8	13.8	15.1
67.5°	39.0	32.6	28.9	25.2	21.3	16.4	13.8	12.5	12.5	13.8	13.8
69°	36.5	30.2	26.4	22.6	18.9	15.1	12.5	12.5	12.5	12.5	13.8
70°	33.9	28.9	25.2	21.3	16.4	12.5	11.3	11.3	12.5	12.5	13.8
72.5°	26.4	22.6	21.3	17.6	12.5	11.3	10.1	11.3	11.3	12.5	12.5
75°	20.1	16.4	16.4	13.8	10.1	8.8	8.8	10.1	10.1	11.3	11.3
77.5°	13.8	11.3	11.3	10.1	8.8	7.6	7.6	8.8	10.1	10.1	11.3
80°	10.1	8.8	7.6	8.8	7.6	6.3	7.6	8.8	8.8	10.1	10.1
82.5°	7.6	7.6	7.6	7.6	6.3	6.3	7.6	7.6	8.8	10.1	10.1
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.6	7.6	8.8	8.8
87.5°	3.7	3.7	3.7	5.1	5.1	6.3	6.3	6.3	6.3	7.6	7.6
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°	579.3	579.3	579.3	579.3
2.5°	437.3	436.1	431.0	432.3
5°	306.6	299.1	304.1	302.9
7.5°	225.0	223.7	222.4	225.0
10°	192.2	192.2	191.0	192.2
12.5°	180.9	180.9	180.9	180.9
15°	172.1	172.1	170.9	170.9
17.5°	162.1	162.1	162.1	160.8
20°	152.0	150.8	150.8	150.8
22.5°	140.7	139.5	139.5	139.5
25°	129.4	128.2	128.2	128.2
27.5°	118.1	116.9	115.6	115.6
30°	106.8	105.6	104.4	104.4
32.5°	95.5	94.3	93.0	93.0
35°	85.5	85.5	84.1	82.9
37.5°	76.7	76.7	76.7	76.7
40°	70.4	71.6	71.6	71.6
42.5°	66.6	67.9	69.1	70.4
45°	64.0	66.6	67.9	67.9
47.5°	62.8	64.0	65.4	65.4
50°	57.8	56.6	56.6	56.6
52.5°	46.5	43.9	42.7	41.5
55°	33.9	32.6	30.2	30.2
57.5°	23.8	23.8	22.6	22.6
60°	18.9	18.9	17.6	18.9
62.5°	16.4	16.4	16.4	16.4
65°	15.1	15.1	15.1	15.1
67.5°	15.1	15.1	15.1	15.1
69°	13.8	13.8	13.8	13.8
70°	13.8	13.8	13.8	13.8
72.5°	12.5	12.5	12.5	12.5
75°	11.3	12.5	12.5	12.5
77.5°	11.3	11.3	11.3	11.3
80°	10.1	10.1	11.3	11.3
82.5°	10.1	10.1	10.1	10.1
85°	8.8	8.8	10.1	10.1
87.5°	7.6	7.6	8.8	8.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)