

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: P151623

Luminaire Tested: **VXS-F06-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151623
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-F06-LED-E1-SL4-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 8506.3 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-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



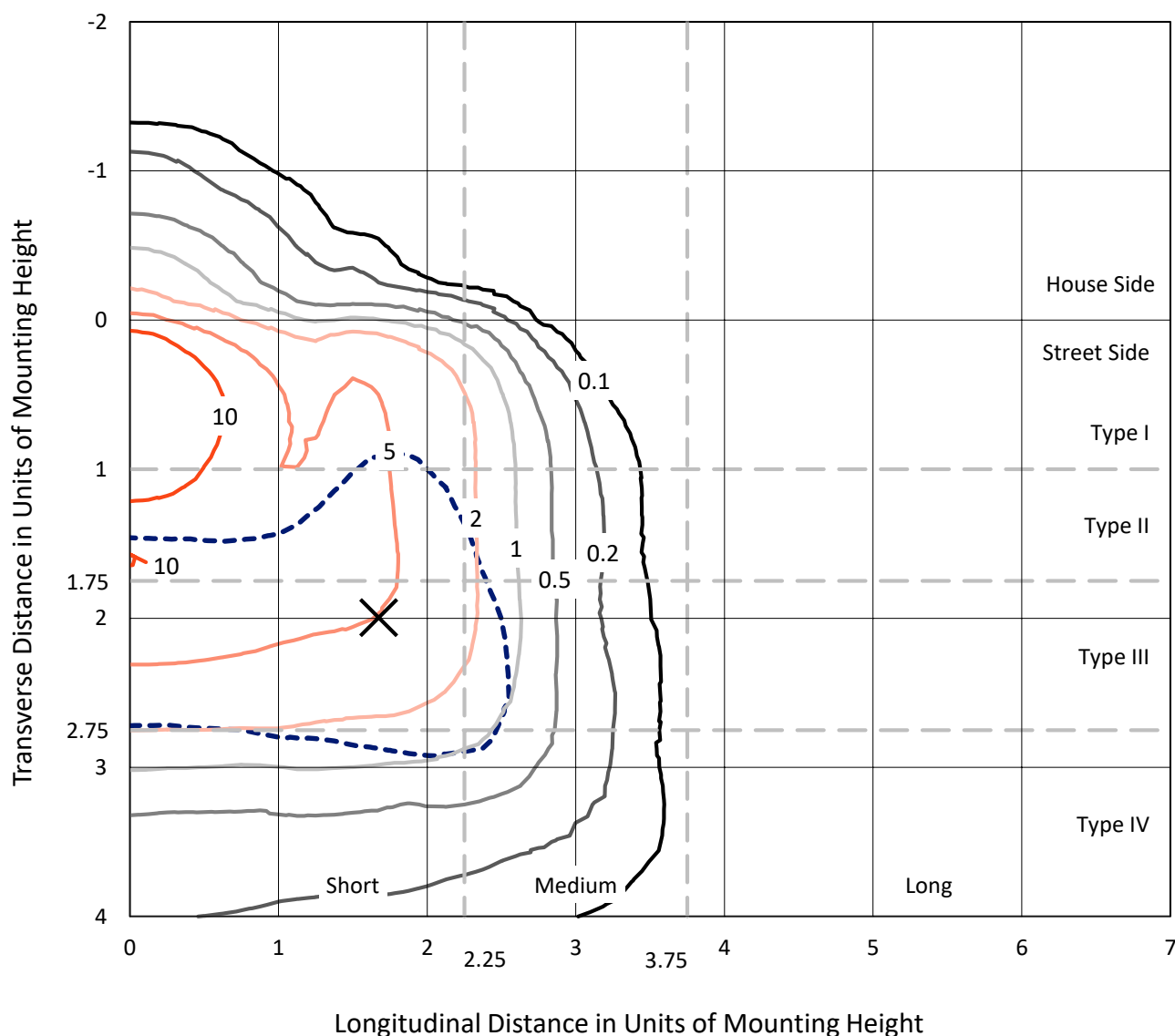
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

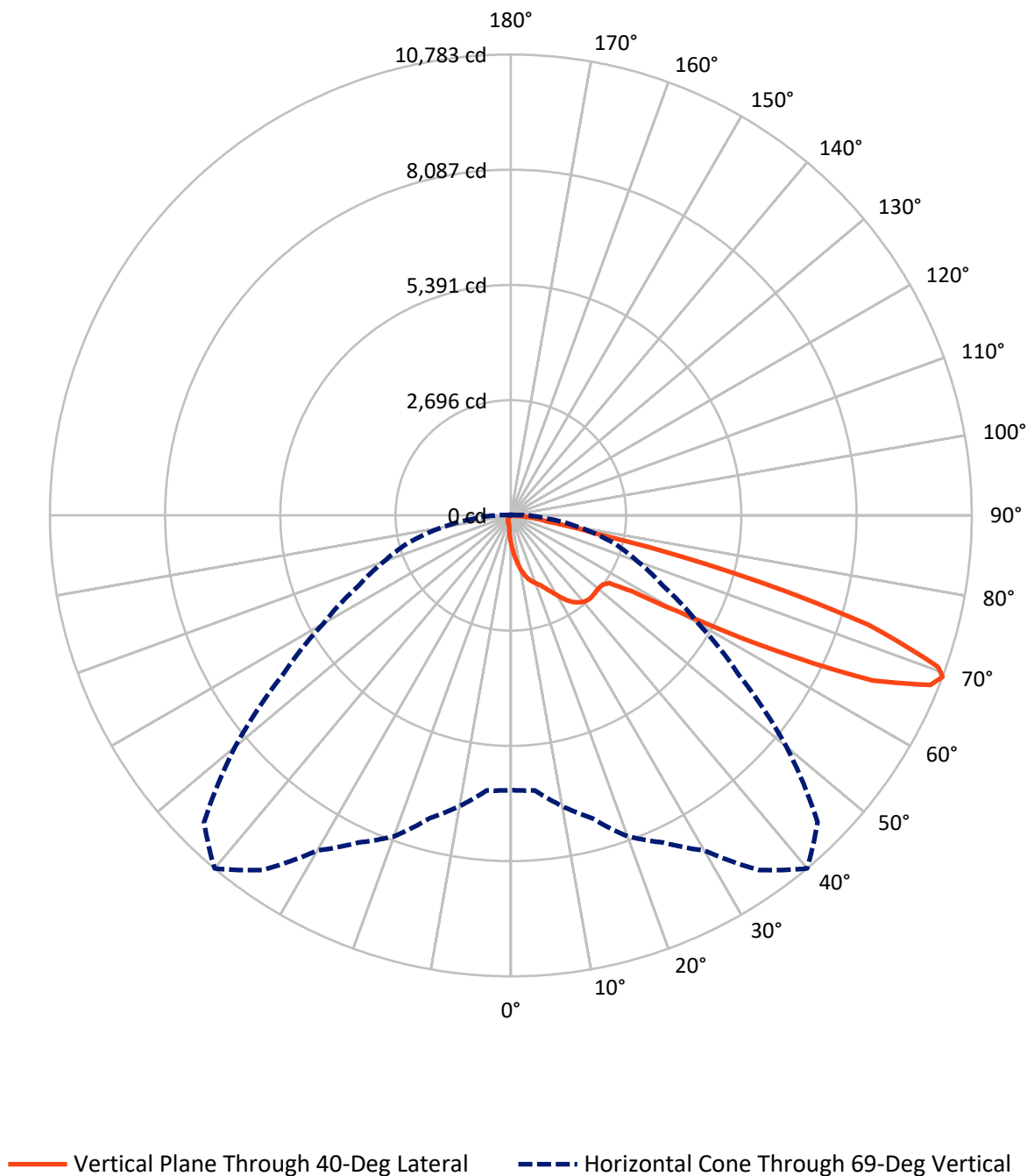


Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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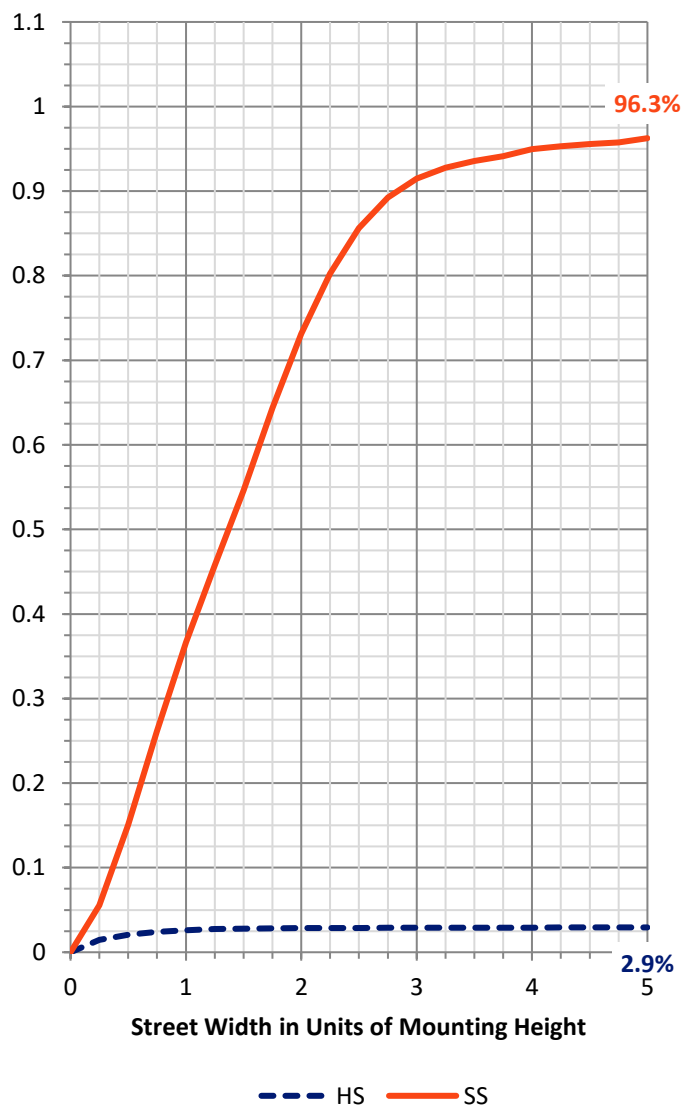
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	253.3	0.0	253.3
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	8253.0	0.0	8253.0
	% Fixture	97.0	0.0	97.0
Total	Lumens	8506.3	0.0	8506.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	0.8
10°-20°	227.6	2.7
20°-30°	435.7	5.1
30°-40°	724.6	8.5
40°-50°	980.5	11.5
50°-60°	1533.4	18.0
60°-70°	3152.6	37.1
70°-80°	1268.5	14.9
80°-90°	117.3	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°	8506.3	100.0
0°-180°	8506.3	100.0

Coefficient of Utilization



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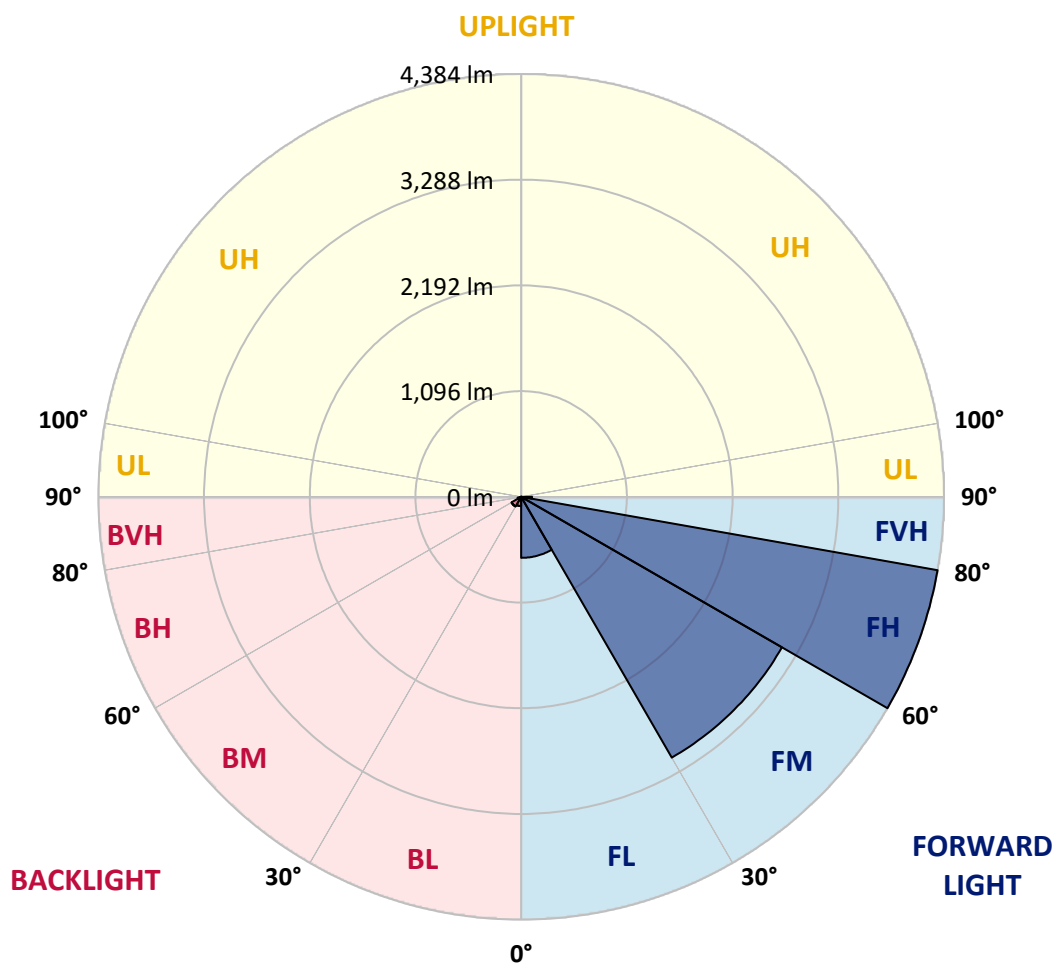
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	633.0	7.4			
FM	(30°-60°)	3122.8	36.7			
FH	(60°-80°)	4384.2	51.5			G2/5000
FVH	(80°-90°)	113.0	1.3			G2/225
BL	(0°-30°)	96.3	1.1	B0/110		
BM	(30°-60°)	115.7	1.4	B0/220		
BH	(60°-80°)	36.9	0.4	B0/110		G0/110
BVH	(80°-90°)	4.4	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°	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4
2.5°	857.0	847.3	836.1	836.1	822.2	822.2	813.8	791.5	788.7	776.2	763.6
5°	1093.9	1085.5	1071.6	1059.1	1047.9	1028.4	1014.4	988.0	958.8	930.9	905.8
7.5°	1325.2	1321.0	1296.0	1291.7	1273.7	1241.6	1213.7	1174.7	1124.6	1085.5	1039.5
10°	1539.8	1530.1	1524.5	1500.7	1474.3	1439.5	1396.3	1348.9	1290.4	1229.0	1163.5
12.5°	1709.7	1704.2	1679.2	1669.4	1641.6	1606.6	1552.3	1491.0	1432.5	1353.1	1276.4
15°	1836.6	1826.8	1810.2	1794.8	1761.3	1730.7	1680.5	1613.7	1542.6	1456.2	1364.2
17.5°	1942.5	1924.4	1920.2	1896.5	1861.7	1825.5	1769.7	1708.4	1624.8	1538.3	1438.0
20°	2084.7	2059.6	2051.2	2016.4	1976.0	1925.8	1861.7	1785.1	1697.2	1602.5	1499.4
22.5°	2251.8	2233.8	2215.6	2185.0	2133.4	2062.4	1969.0	1885.4	1773.9	1669.4	1557.9
25°	2488.7	2473.4	2444.1	2402.4	2338.2	2253.3	2140.4	2017.7	1886.7	1753.0	1622.0
27.5°	2718.7	2704.8	2683.8	2651.8	2579.3	2485.9	2346.6	2190.6	2024.7	1863.1	1718.1
30°	2934.6	2922.1	2901.2	2869.1	2805.1	2713.1	2555.6	2388.4	2182.2	1994.1	1819.9
32.5°	3167.4	3163.2	3139.5	3093.5	3037.7	2913.8	2742.4	2562.6	2353.6	2136.2	1932.7
35°	3430.8	3398.7	3376.4	3330.4	3235.6	3103.2	2902.6	2706.1	2485.9	2263.0	2035.9
37.5°	3653.7	3623.0	3595.1	3536.6	3420.9	3252.3	3025.2	2809.2	2582.1	2354.9	2123.6
40°	3816.7	3801.3	3768.0	3691.3	3561.8	3361.0	3115.8	2880.3	2651.8	2423.2	2194.7
42.5°	3937.9	3914.3	3876.7	3797.2	3643.9	3415.4	3152.0	2909.5	2683.8	2465.1	2240.7
45°	3982.6	3963.0	3928.2	3841.8	3676.0	3430.8	3150.7	2901.2	2685.2	2477.6	2271.4
47.5°	3956.1	3936.6	3905.9	3825.1	3662.1	3412.6	3125.6	2877.5	2671.3	2481.8	2299.3
50°	3868.3	3857.1	3833.5	3765.2	3618.9	3377.8	3103.2	2865.0	2668.5	2502.7	2338.2
52.5°	3859.9	3853.0	3823.7	3755.4	3606.3	3366.6	3100.5	2871.9	2692.2	2529.1	2366.1
55°	4716.9	4617.9	4396.4	4208.3	3899.0	3531.1	3241.2	2984.8	2792.5	2633.7	2519.4
57.5°	6703.9	6556.3	6265.1	5906.9	5196.3	4498.1	3939.4	3535.2	3336.0	3263.5	3306.7
60°	7634.8	7608.4	7562.4	7392.3	7028.7	6428.1	5759.2	5036.0	4746.1	4721.0	4808.9
62.5°	8076.6	8059.8	8073.8	8052.8	7940.0	7764.5	7572.1	7260.0	6973.0	6787.6	6394.6
65°	8280.0	8291.2	8370.6	8433.3	8447.3	8493.2	8634.0	9022.7	9306.9	8829.0	7737.9
67.5°	7763.0	7828.5	8011.1	8239.6	8507.2	8766.3	9184.4	10003.7	10587.6	10026.0	8476.5
69°	6426.7	6458.8	6904.7	7335.2	7988.8	8445.8	9052.0	10126.3	10782.7	10148.6	8417.9
70°	5059.7	5088.9	5566.9	6152.1	7257.2	7845.3	8638.1	9918.8	10600.1	9985.6	8117.0
72.5°	2282.5	2240.7	2409.3	2722.8	3924.0	4857.6	6244.1	8036.2	8745.4	7999.9	6072.7
75°	1594.1	1576.1	1594.1	1595.5	1782.3	2299.3	2901.2	4356.0	5387.2	4648.6	2901.2
77.5°	1234.6	1222.1	1209.5	1195.6	1217.9	1364.2	1422.7	1545.4	2006.6	1897.9	1106.4
80°	976.8	965.7	996.4	986.5	986.5	1003.3	992.1	946.2	859.8	797.1	713.5
82.5°	454.3	457.1	457.1	496.1	597.8	698.1	730.2	684.1	607.6	517.0	416.7
85°	43.2	48.8	82.2	126.8	252.2	284.2	285.7	236.9	236.9	186.7	150.5
87.5°	0.0	1.3	1.3	1.3	12.5	34.8	29.2	8.4	4.1	4.1	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4
2.5°	741.3	737.1	720.4	703.7	688.4	671.6	656.4	641.0	624.2	611.7	596.4
5°	866.7	836.1	801.2	767.8	734.4	699.5	663.3	631.2	597.8	567.2	537.9
7.5°	993.6	933.6	886.2	826.3	772.0	717.6	667.5	616.0	568.5	523.9	482.2
10°	1100.8	1028.4	954.5	877.9	799.9	727.4	657.7	596.4	533.7	479.4	427.8
12.5°	1188.6	1096.7	1006.1	909.9	822.2	730.2	643.8	569.9	496.1	434.7	381.8
15°	1268.1	1162.2	1053.5	942.0	830.5	726.0	629.8	537.9	462.6	393.0	333.1
17.5°	1332.1	1210.9	1088.3	962.9	843.0	720.4	611.7	515.5	427.8	355.3	296.8
20°	1387.9	1261.1	1128.7	988.0	851.4	719.1	596.4	487.7	397.1	320.5	263.3
22.5°	1439.5	1312.6	1170.5	1020.0	863.9	717.6	582.5	466.8	370.7	294.0	236.9
25°	1498.0	1364.2	1215.1	1053.5	886.2	723.2	574.1	450.1	346.9	268.9	216.0
27.5°	1563.5	1422.7	1268.1	1095.2	915.5	734.4	571.3	432.0	326.1	245.3	199.3
30°	1655.4	1492.4	1321.0	1137.1	942.0	746.9	568.5	420.8	305.2	227.2	182.6
32.5°	1736.3	1560.7	1379.6	1180.3	971.3	759.5	567.2	405.5	285.7	209.0	170.1
35°	1821.2	1623.4	1429.7	1222.1	996.4	773.4	565.7	394.3	267.6	190.9	157.5
37.5°	1895.1	1676.4	1468.7	1258.3	1024.2	785.9	567.2	384.6	250.8	175.5	146.3
40°	1957.8	1730.7	1511.9	1291.7	1053.5	805.4	568.5	374.8	234.1	161.7	136.6
42.5°	2013.6	1782.3	1557.9	1329.3	1086.9	827.8	576.9	366.5	220.2	149.1	126.8
45°	2056.8	1829.6	1608.1	1382.3	1141.2	863.9	592.2	360.9	206.2	137.9	118.4
47.5°	2101.3	1899.3	1693.1	1465.9	1220.7	921.0	618.7	359.5	195.1	129.6	111.5
50°	2162.7	1969.0	1768.3	1551.0	1293.2	979.6	650.8	360.9	181.1	121.2	104.6
52.5°	2207.3	2040.0	1865.9	1698.7	1465.9	1157.9	774.8	386.0	174.2	114.3	96.2
55°	2470.7	2441.3	2445.5	2473.4	2293.7	1970.4	1296.0	557.4	204.9	129.6	94.7
57.5°	3483.6	3586.8	3646.7	3645.3	3348.5	2777.2	1740.4	716.3	228.5	150.5	112.8
60°	4815.9	4737.8	4627.7	4356.0	3961.7	3170.2	1946.6	770.6	197.8	119.8	103.1
62.5°	5993.4	5536.3	5130.8	4690.5	4173.5	3306.7	1988.5	766.4	172.7	90.6	72.4
65°	6727.7	5905.5	5250.6	4698.8	4089.8	3192.4	1881.1	703.7	146.3	73.9	59.9
67.5°	6903.2	5706.2	4779.6	4075.9	3416.8	2484.6	1380.9	529.5	114.3	61.3	53.0
69°	6520.0	5072.2	3960.2	3161.8	2485.9	1648.5	854.2	334.4	87.8	55.8	48.8
70°	5997.5	4411.7	3225.9	2537.5	1840.7	1157.9	597.8	235.5	71.1	51.6	44.6
72.5°	3858.5	2317.3	1585.8	1103.6	759.5	461.2	234.1	105.9	54.3	43.2	36.3
75°	1496.6	857.0	621.5	472.4	369.2	256.4	142.2	68.3	46.0	36.3	27.9
77.5°	737.1	564.4	461.2	316.3	183.9	114.3	76.7	53.0	37.6	26.4	18.1
80°	582.5	387.4	231.3	143.5	108.7	82.2	58.5	43.2	27.9	16.7	12.5
82.5°	298.2	163.0	119.8	97.5	80.8	64.1	47.4	30.7	18.1	11.2	9.7
85°	93.4	68.3	61.3	59.9	55.8	46.0	33.5	19.5	11.2	6.9	6.9
87.5°	6.9	9.7	12.5	9.7	11.2	9.7	12.5	8.4	5.6	5.6	4.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4	642.4
2.5°	585.3	568.5	553.2	543.4	525.4	518.3	511.4	508.6	496.1	498.9	487.7
5°	511.4	482.2	459.9	437.5	416.7	401.3	388.8	373.5	360.9	355.3	344.1
7.5°	444.6	406.9	377.6	354.0	328.8	309.3	292.6	281.5	270.4	259.2	253.6
10°	386.0	345.6	312.1	288.5	264.8	248.1	235.5	227.2	220.2	216.0	214.6
12.5°	331.6	292.6	262.0	241.0	223.0	214.6	209.0	204.9	203.4	202.1	202.1
15°	289.8	250.8	227.2	211.8	203.4	199.3	197.8	195.1	192.3	190.9	190.9
17.5°	250.8	221.6	204.9	196.5	192.3	189.5	186.7	183.9	181.1	179.8	179.8
20°	224.4	200.6	192.3	186.7	182.6	179.8	175.5	172.7	171.4	170.1	168.6
22.5°	203.4	188.1	182.6	178.3	172.7	168.6	165.8	163.0	160.2	158.9	157.5
25°	188.1	178.3	174.2	168.6	163.0	158.9	154.7	150.5	147.7	146.3	143.5
27.5°	177.0	170.1	164.5	157.5	151.9	147.7	143.5	139.4	136.6	133.8	132.3
30°	167.3	160.2	153.3	147.7	140.7	136.6	131.0	126.8	125.4	122.6	119.8
32.5°	157.5	150.5	143.5	136.6	129.6	124.0	121.2	115.6	112.8	111.5	108.7
35°	146.3	139.4	131.0	125.4	118.4	112.8	108.7	104.6	101.8	99.0	97.5
37.5°	136.6	128.2	119.8	112.8	107.3	101.8	97.5	93.4	90.6	87.8	86.4
40°	125.4	117.1	108.7	101.8	96.2	92.0	87.8	83.6	80.8	79.4	79.4
42.5°	115.6	105.9	97.5	92.0	87.8	82.2	78.0	73.9	72.4	71.1	72.4
45°	105.9	96.2	89.2	83.6	79.4	73.9	69.6	66.8	65.5	66.8	68.3
47.5°	97.5	87.8	80.8	76.7	72.4	68.3	64.1	61.3	61.3	64.1	66.8
50°	89.2	79.4	73.9	71.1	66.8	62.7	57.1	55.8	57.1	59.9	62.7
52.5°	80.8	69.6	65.5	64.1	59.9	55.8	51.6	50.2	51.6	54.3	53.0
55°	72.4	61.3	59.9	58.5	54.3	48.8	44.6	44.6	44.6	43.2	40.4
57.5°	69.6	54.3	53.0	51.6	47.4	41.8	39.1	36.3	34.8	30.7	29.2
60°	72.4	48.8	48.8	46.0	41.8	36.3	32.0	27.9	25.1	22.3	22.3
62.5°	58.5	44.6	43.2	40.4	34.8	29.2	25.1	20.9	19.5	18.1	18.1
65°	47.4	40.4	37.6	33.5	29.2	23.7	19.5	16.7	15.3	15.3	16.7
67.5°	43.2	36.3	32.0	27.9	23.7	18.1	15.3	13.9	13.9	15.3	15.3
69°	40.4	33.5	29.2	25.1	20.9	16.7	13.9	13.9	13.9	13.9	15.3
70°	37.6	32.0	27.9	23.7	18.1	13.9	12.5	12.5	13.9	13.9	15.3
72.5°	29.2	25.1	23.7	19.5	13.9	12.5	11.2	12.5	12.5	13.9	13.9
75°	22.3	18.1	18.1	15.3	11.2	9.7	9.7	11.2	11.2	12.5	12.5
77.5°	15.3	12.5	12.5	11.2	9.7	8.4	8.4	9.7	11.2	11.2	12.5
80°	11.2	9.7	8.4	9.7	8.4	6.9	8.4	9.7	9.7	11.2	11.2
82.5°	8.4	8.4	8.4	8.4	6.9	6.9	8.4	8.4	9.7	11.2	11.2
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.4	8.4	9.7	9.7
87.5°	4.1	4.1	4.1	5.6	5.6	6.9	6.9	6.9	6.9	8.4	8.4
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°	642.4	642.4	642.4	642.4
2.5°	485.0	483.5	477.9	479.4
5°	340.0	331.6	337.2	335.9
7.5°	249.4	248.1	246.6	249.4
10°	213.2	213.2	211.8	213.2
12.5°	200.6	200.6	200.6	200.6
15°	190.9	190.9	189.5	189.5
17.5°	179.8	179.8	179.8	178.3
20°	168.6	167.3	167.3	167.3
22.5°	156.1	154.7	154.7	154.7
25°	143.5	142.2	142.2	142.2
27.5°	131.0	129.6	128.2	128.2
30°	118.4	117.1	115.6	115.6
32.5°	105.9	104.6	103.1	103.1
35°	94.7	94.7	93.4	92.0
37.5°	85.0	85.0	85.0	85.0
40°	78.0	79.4	79.4	79.4
42.5°	73.9	75.2	76.7	78.0
45°	71.1	73.9	75.2	75.2
47.5°	69.6	71.1	72.4	72.4
50°	64.1	62.7	62.7	62.7
52.5°	51.6	48.8	47.4	46.0
55°	37.6	36.3	33.5	33.5
57.5°	26.4	26.4	25.1	25.1
60°	20.9	20.9	19.5	20.9
62.5°	18.1	18.1	18.1	18.1
65°	16.7	16.7	16.7	16.7
67.5°	16.7	16.7	16.7	16.7
69°	15.3	15.3	15.3	15.3
70°	15.3	15.3	15.3	15.3
72.5°	13.9	13.9	13.9	13.9
75°	12.5	13.9	13.9	13.9
77.5°	12.5	12.5	12.5	12.5
80°	11.2	11.2	12.5	12.5
82.5°	11.2	11.2	11.2	11.2
85°	9.7	9.7	11.2	11.2
87.5°	8.4	8.4	9.7	9.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)