

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: P153307

Luminaire Tested: **VXS-F03-LED-E1-SLR-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153307
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F03-LED-E1-SLR-7060
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7070.9 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 78.3
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



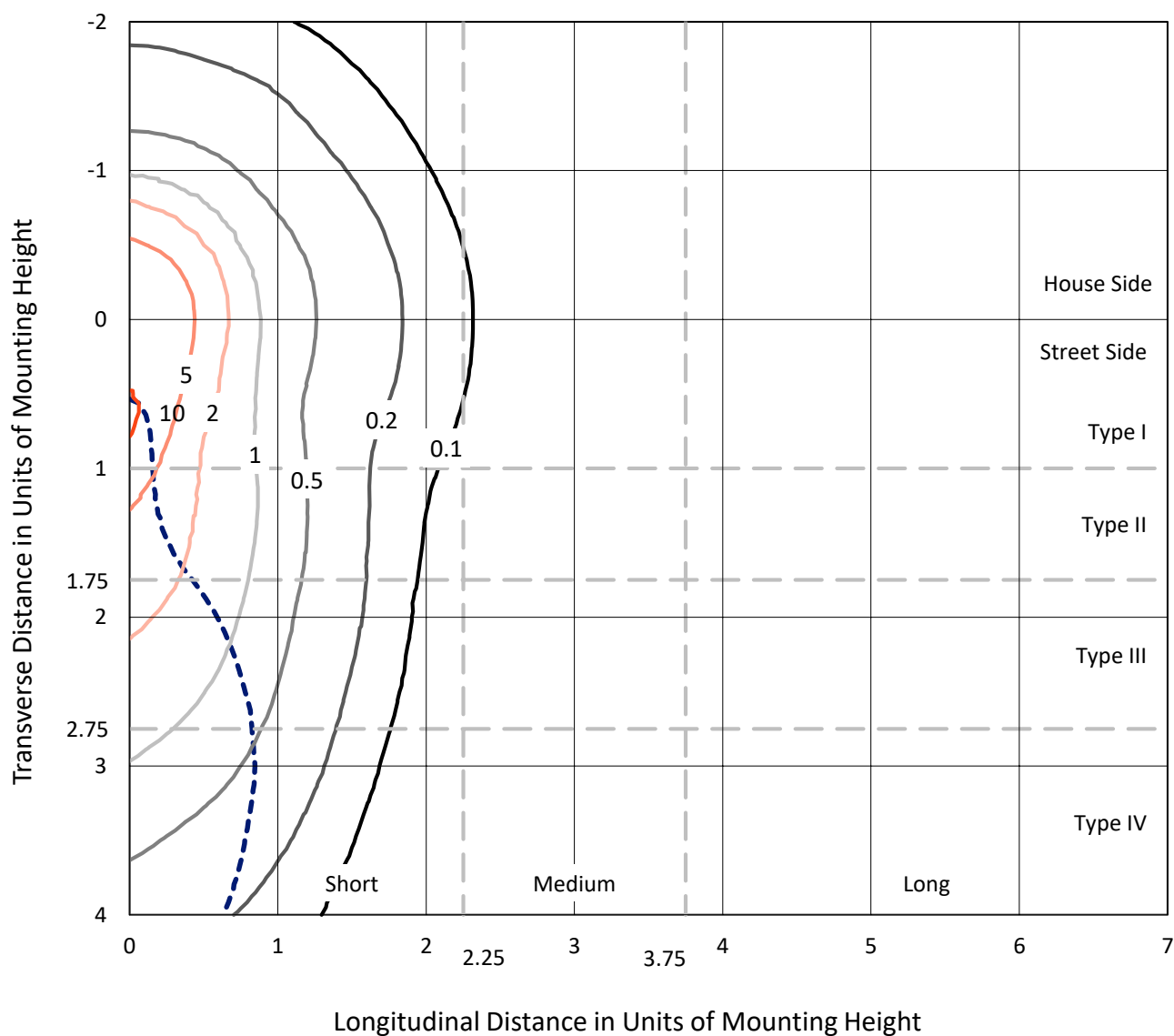
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

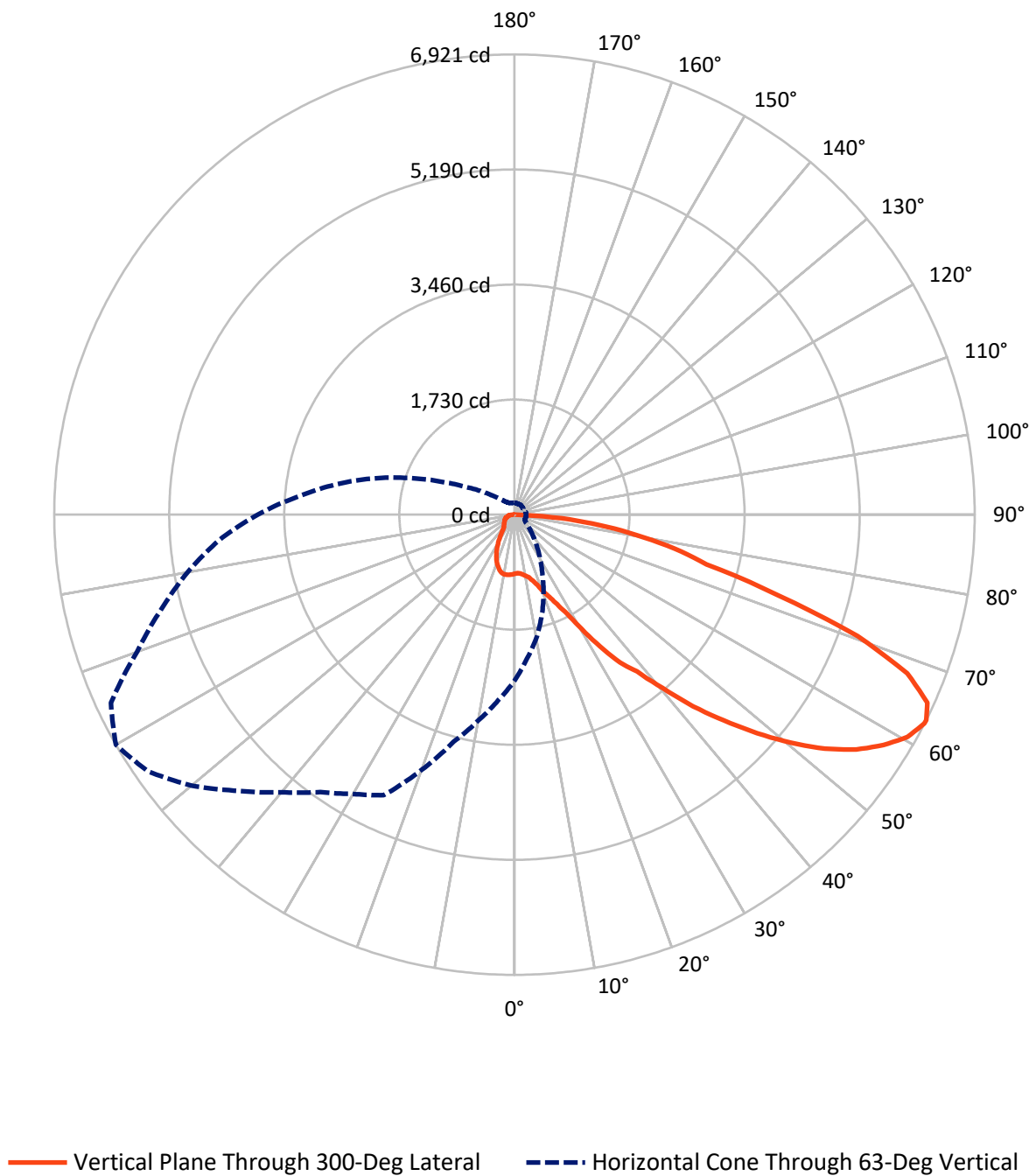


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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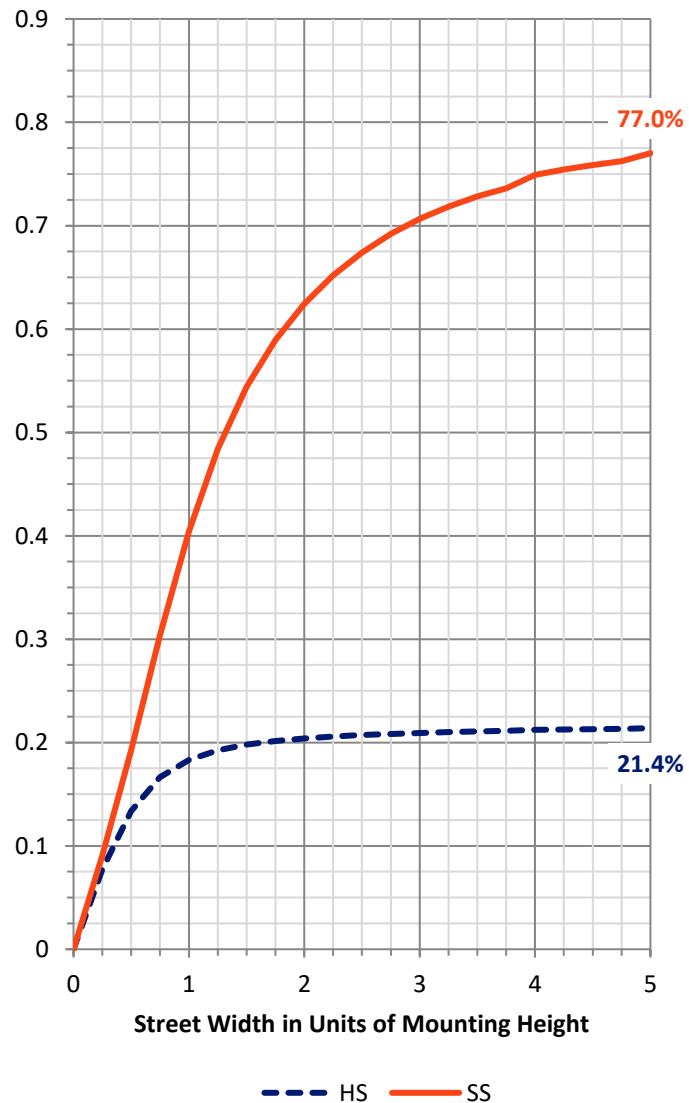
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1533.3	0.0	1533.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5537.6	0.0	5537.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	7070.9	0.0	7070.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	1.2
10°-20°	269.4	3.8
20°-30°	478.6	6.8
30°-40°	753.7	10.7
40°-50°	1109.2	15.7
50°-60°	1473.3	20.8
60°-70°	1622.8	23.0
70°-80°	1018.1	14.4
80°-90°	259.3	3.7
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°	7070.9	100.0
0°-180°	7070.9	100.0

Coefficient of Utilization



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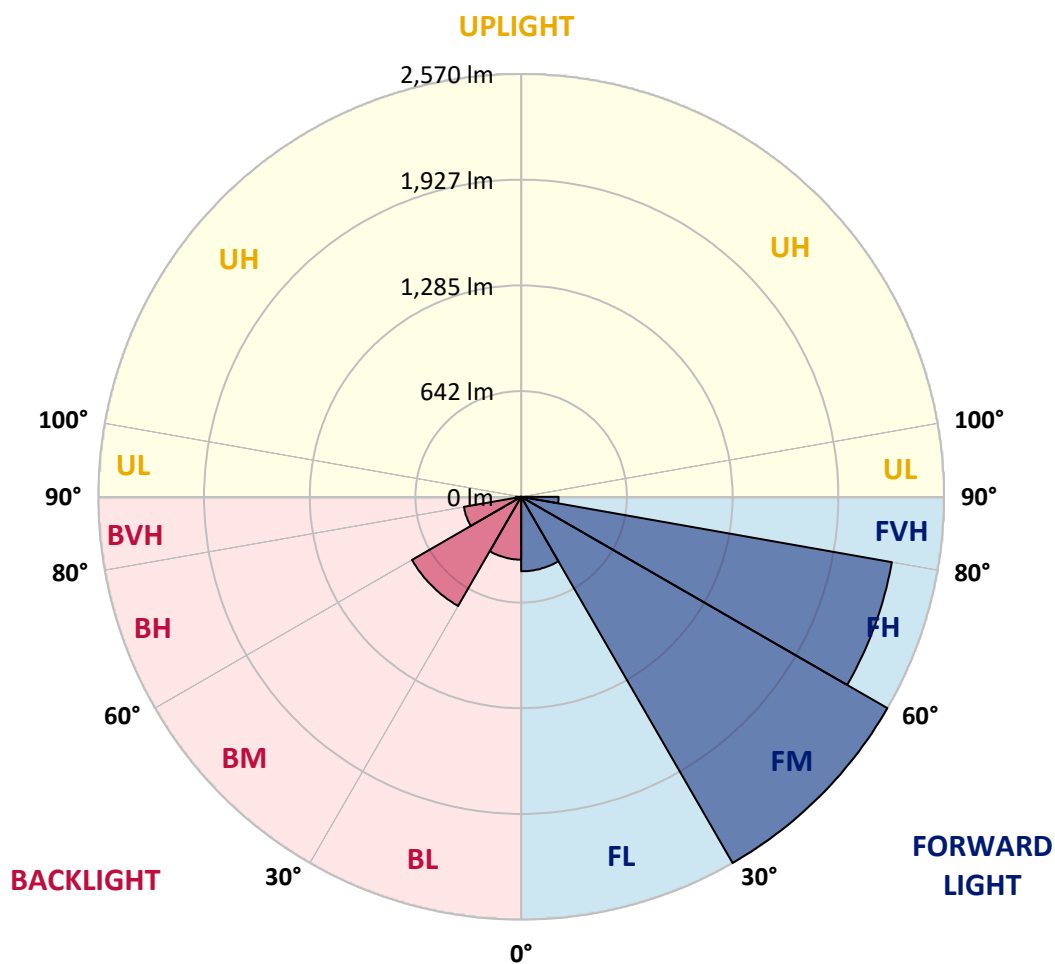
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	452.8	6.4			
FM	(30°-60°)	2569.7	36.3			
FH	(60°-80°)	2287.5	32.4			G2/5000
FVH	(80°-90°)	227.6	3.2			G3/500
BL	(0°-30°)	381.7	5.4	B1/500		
BM	(30°-60°)	766.4	10.8	B1/1000		
BH	(60°-80°)	353.4	5.0	B1/500		G1/500
BVH	(80°-90°)	31.8	0.4			G1/100
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°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6
2.5°	876.7	879.3	878.4	878.4	880.1	879.3	879.3	880.1	880.1	882.7	886.0
5°	869.9	869.1	867.4	869.1	869.1	869.1	865.7	868.3	869.1	870.8	870.8
7.5°	878.4	875.9	872.5	873.4	873.4	871.6	869.1	869.9	869.1	869.1	868.3
10°	889.4	883.5	879.3	879.3	879.3	877.6	873.4	875.9	875.9	875.0	875.9
12.5°	908.9	902.2	897.1	895.3	895.3	892.8	889.4	892.8	891.1	891.1	889.4
15°	941.1	933.5	927.6	922.5	923.3	923.3	919.1	916.6	913.2	908.9	900.4
17.5°	989.4	980.9	973.3	969.0	969.9	963.9	952.1	940.2	924.1	908.1	890.3
20°	1058.0	1055.4	1045.3	1041.0	1030.9	1016.5	983.4	955.5	924.1	893.7	863.2
22.5°	1176.6	1164.8	1154.6	1138.4	1104.6	1064.8	1009.7	960.6	911.5	868.3	827.6
25°	1335.9	1314.6	1264.7	1215.5	1146.1	1074.9	1000.4	936.9	875.9	819.2	769.1
27.5°	1492.5	1428.2	1339.3	1250.3	1148.6	1055.4	962.3	886.8	815.8	753.9	698.9
30°	1682.3	1573.9	1437.5	1296.9	1152.8	1027.5	915.6	827.6	745.4	680.2	622.6
32.5°	1860.2	1703.4	1524.8	1340.1	1162.2	1001.2	862.3	762.4	677.6	595.5	538.8
35°	1982.2	1778.9	1562.0	1344.4	1139.3	951.3	795.4	677.6	593.0	516.7	449.8
37.5°	2055.0	1811.9	1563.7	1313.8	1085.9	883.5	710.7	593.8	515.9	443.0	390.5
40°	2100.7	1819.5	1541.7	1269.7	1018.1	797.9	626.0	520.9	449.8	391.4	350.7
42.5°	2122.8	1807.7	1506.1	1213.9	949.5	721.7	566.7	467.6	405.7	364.2	333.8
45°	2126.1	1786.5	1468.0	1163.0	888.6	666.6	526.0	445.6	394.7	360.0	329.5
47.5°	2126.1	1767.9	1437.5	1125.8	848.8	642.9	522.7	454.9	404.9	365.9	329.5
50°	2127.9	1762.0	1424.8	1107.2	835.2	655.6	551.4	483.7	426.9	376.1	328.7
52.5°	2135.4	1769.5	1434.9	1121.6	859.8	706.4	605.7	526.8	455.8	388.0	328.7
55°	2152.4	1794.9	1478.1	1171.5	925.8	783.5	670.9	573.5	478.5	393.1	323.6
57.5°	2199.9	1859.4	1556.9	1268.1	1038.5	872.5	730.2	606.5	487.0	388.8	313.4
60°	2294.7	1987.3	1691.6	1403.6	1157.9	948.7	764.9	611.6	479.5	375.2	297.3
62.5°	2446.3	2133.8	1855.1	1551.0	1263.8	991.1	769.1	598.9	459.1	350.7	273.6
63°	2498.9	2170.3	1889.8	1579.0	1277.4	994.5	765.8	593.8	454.0	343.9	270.3
65°	2645.4	2323.5	2010.2	1677.2	1315.5	995.3	747.2	568.4	430.4	317.6	246.5
67.5°	2919.1	2525.2	2161.8	1754.3	1329.0	968.2	699.7	520.9	380.3	277.0	216.9
70°	3091.8	2637.8	2220.2	1756.0	1289.2	891.1	617.5	443.8	316.8	229.5	186.3
72.5°	3046.9	2526.8	2066.0	1597.6	1117.3	744.6	496.4	349.0	247.4	183.8	155.0
75°	2609.8	2103.3	1685.7	1237.6	844.6	547.3	363.4	249.0	183.0	144.0	129.6
77.5°	1878.9	1513.7	1208.8	881.8	569.2	354.1	241.5	177.9	139.0	118.5	106.7
80°	1196.9	887.8	739.5	530.3	332.8	219.4	166.0	134.7	114.4	99.1	91.5
82.5°	625.2	437.9	355.8	271.1	184.7	144.9	122.0	110.2	94.0	82.2	77.9
85°	389.6	258.3	191.4	133.9	92.3	83.0	76.3	74.5	66.9	59.3	56.8
87.5°	44.0	39.8	41.6	26.2	19.5	21.1	20.3	27.2	26.2	19.5	20.3
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°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6
2.5°	882.7	884.4	884.4	886.8	886.8	888.6	890.3	890.3	892.0	892.8	894.5
5°	872.5	872.5	872.5	875.9	876.7	881.8	883.5	885.2	886.8	892.8	896.2
7.5°	869.9	866.5	868.3	868.3	870.8	875.0	879.3	881.8	884.4	892.0	897.1
10°	875.0	872.5	869.9	869.9	870.8	872.5	875.9	878.4	880.1	887.8	892.0
12.5°	888.6	882.7	877.6	873.4	869.9	869.1	867.4	868.3	869.9	874.2	880.1
15°	891.1	880.1	869.1	858.1	849.6	844.6	840.3	838.7	838.7	841.1	847.9
17.5°	874.2	855.5	839.5	825.1	815.8	806.4	802.2	798.8	797.1	800.5	801.3
20°	837.7	815.8	793.7	776.8	759.8	757.3	750.5	752.2	753.9	759.0	761.6
22.5°	787.8	761.6	734.4	716.6	703.1	691.2	683.6	686.9	689.5	694.6	697.1
25°	726.8	688.7	659.9	642.1	627.7	617.5	609.0	612.4	609.0	615.0	624.2
27.5°	654.8	609.8	579.4	559.1	548.9	540.4	531.9	531.9	540.4	540.4	548.1
30°	567.6	534.5	494.7	473.5	460.8	455.8	454.9	453.2	459.1	462.5	471.0
32.5°	485.4	444.7	406.6	386.2	375.2	369.3	370.2	371.0	373.6	378.7	392.2
35°	402.4	366.7	339.7	316.8	305.8	294.8	294.8	293.1	295.6	301.6	317.6
37.5°	349.0	317.6	296.5	278.7	267.7	260.9	254.9	252.4	252.4	254.9	260.9
40°	319.4	296.5	277.0	261.8	251.6	245.7	242.3	239.7	238.0	238.0	238.9
42.5°	305.8	282.1	262.6	249.0	241.5	238.0	237.2	236.4	233.8	233.0	232.1
45°	299.1	271.9	249.8	238.9	233.0	231.3	232.1	232.1	231.3	229.5	226.2
47.5°	293.9	262.6	240.5	230.4	227.9	227.9	227.9	227.9	227.0	226.2	223.6
50°	285.5	248.2	224.5	216.9	215.1	215.1	216.0	216.0	217.7	216.0	214.3
52.5°	276.2	234.6	210.9	204.1	203.3	202.5	202.5	202.5	203.3	203.3	202.5
55°	266.0	224.5	204.1	199.1	199.9	199.1	198.2	197.4	197.4	196.5	194.8
57.5°	255.9	216.0	199.1	195.6	196.5	196.5	194.8	193.2	192.3	189.7	188.1
60°	240.5	204.1	188.9	187.3	189.7	189.7	189.7	188.9	188.9	188.1	183.8
62.5°	220.2	187.3	175.3	176.2	177.0	178.8	178.8	178.8	178.8	177.0	172.8
63°	216.0	183.8	172.8	172.8	175.3	175.3	176.2	175.3	176.2	174.5	169.4
65°	199.1	172.8	164.4	165.2	166.8	166.8	166.8	166.0	166.0	163.5	160.9
67.5°	179.6	159.3	154.2	155.0	155.9	157.5	156.7	156.7	157.5	155.9	153.4
70°	157.5	144.9	141.5	142.3	143.1	143.1	142.3	142.3	143.1	141.5	139.0
72.5°	140.6	135.5	133.0	133.0	131.3	131.3	129.6	128.7	127.9	127.9	125.4
75°	118.5	117.7	118.5	120.3	118.5	116.9	116.1	113.5	111.8	111.8	111.0
77.5°	101.7	101.7	103.3	105.9	106.7	106.7	104.1	100.0	99.1	99.1	99.1
80°	88.1	86.4	86.4	88.9	91.5	90.7	86.4	82.2	82.2	86.4	87.3
82.5°	77.1	77.1	74.5	75.4	74.5	73.7	69.4	66.9	66.1	69.4	72.8
85°	61.0	61.9	61.0	60.1	59.3	56.8	53.4	50.8	49.9	53.4	58.4
87.5°	24.6	23.7	22.9	23.7	22.9	24.6	23.7	22.1	21.1	23.7	28.8
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°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6
2.5°	895.3	897.1	898.8	898.8	900.4	899.6	900.4	901.2	901.2	902.2	902.2
5°	900.4	903.0	906.3	909.7	910.6	913.2	915.6	914.0	916.6	919.9	919.9
7.5°	902.2	908.1	910.6	915.6	916.6	919.9	925.8	921.7	926.7	929.2	930.1
10°	899.6	905.5	909.7	915.6	918.2	924.1	930.1	928.4	934.3	938.5	939.4
12.5°	884.4	890.3	899.6	908.1	914.8	924.1	935.1	931.8	940.2	945.3	947.9
15°	854.7	860.6	870.8	884.4	897.1	911.5	925.8	928.4	936.9	942.8	945.3
17.5°	808.1	815.8	826.7	841.1	857.2	881.8	900.4	909.7	921.7	925.0	929.2
20°	764.9	772.5	779.3	787.8	799.7	823.3	847.9	866.5	881.8	894.5	897.9
22.5°	707.4	714.1	722.6	729.3	737.8	754.7	775.0	796.3	820.0	827.6	836.1
25°	637.8	642.1	654.0	658.1	664.1	678.5	694.6	709.8	732.7	748.8	753.1
27.5°	563.3	567.6	578.5	581.1	588.7	602.3	614.1	620.1	641.2	658.1	671.7
30°	476.9	487.9	501.5	503.2	511.6	520.1	531.1	537.0	556.6	574.3	591.3
32.5°	402.4	413.4	424.4	431.2	435.4	442.2	453.2	459.1	477.7	493.9	510.8
35°	326.1	339.7	351.5	360.8	364.2	372.7	381.1	387.2	406.6	421.0	432.8
37.5°	268.5	278.7	291.4	300.7	310.1	316.0	326.1	334.6	346.4	354.1	366.7
40°	240.5	245.7	252.4	260.1	267.7	274.4	282.1	288.8	296.5	306.6	315.1
42.5°	231.3	232.1	232.1	234.6	238.9	242.3	249.0	254.1	259.2	266.8	271.1
45°	224.5	223.6	222.0	220.2	221.0	222.8	227.0	230.4	236.4	239.7	240.5
47.5°	221.0	217.7	214.3	211.8	210.9	211.8	215.1	218.5	222.0	224.5	225.3
50°	210.1	207.6	202.5	199.1	197.4	199.1	203.3	205.0	208.4	210.9	211.8
52.5°	199.1	195.6	192.3	188.9	188.9	189.7	193.2	196.5	199.9	200.7	202.5
55°	192.3	187.3	183.8	181.2	179.6	182.1	184.7	188.9	193.2	194.0	195.6
57.5°	185.5	180.4	177.0	174.5	172.8	175.3	177.9	183.8	188.9	188.9	188.9
60°	181.2	177.0	171.9	169.4	166.8	169.4	172.8	178.8	183.8	183.0	182.1
62.5°	169.4	165.2	162.6	162.6	160.1	164.4	167.8	174.5	175.3	173.7	171.9
63°	166.0	162.6	160.9	160.9	159.3	163.5	166.8	172.8	172.8	171.1	169.4
65°	157.5	155.0	153.4	155.0	155.0	159.3	160.1	164.4	163.5	160.9	160.1
67.5°	150.8	149.1	147.4	147.4	147.4	148.2	149.1	150.8	149.9	149.1	149.9
70°	139.8	139.0	137.2	137.2	136.4	136.4	136.4	137.2	137.2	138.0	139.0
72.5°	126.2	124.6	124.6	125.4	123.6	124.6	125.4	124.6	126.2	126.2	127.0
75°	111.0	110.2	111.8	113.5	112.6	112.6	113.5	113.5	114.4	114.4	115.2
77.5°	99.1	100.0	100.8	102.5	103.3	103.3	103.3	102.5	103.3	103.3	104.1
80°	88.1	89.7	91.5	93.2	94.0	94.0	94.0	93.2	93.2	93.2	93.2
82.5°	79.6	82.2	83.8	84.7	84.7	84.7	84.7	84.7	84.7	83.0	81.3
85°	66.9	72.0	72.0	72.8	70.3	68.6	66.9	67.8	68.6	65.2	64.4
87.5°	33.9	33.9	35.5	37.3	38.1	38.1	43.2	40.6	39.8	39.0	37.3
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6
2.5°	903.0	902.2	903.8	902.2	903.0	903.8	902.2	904.7	906.3	903.8	901.2
5°	921.7	921.7	925.8	927.6	928.4	933.5	931.0	932.6	934.3	933.5	934.3
7.5°	933.5	936.9	941.1	945.3	946.2	950.5	949.5	952.1	953.8	958.0	958.0
10°	943.6	947.9	953.8	958.0	962.3	965.7	967.4	972.4	973.3	976.7	976.7
12.5°	953.0	958.0	963.9	970.8	975.0	981.8	982.6	990.3	992.7	993.6	991.1
15°	951.3	957.2	963.9	971.6	979.2	987.7	992.7	1000.4	1004.7	1006.3	1002.1
17.5°	935.1	940.2	948.7	958.9	968.2	979.2	988.5	999.6	1006.3	1008.0	1007.2
20°	903.8	907.3	918.2	931.8	942.8	959.7	973.3	990.3	1001.2	1009.7	1012.2
22.5°	842.0	850.5	861.5	876.7	892.8	914.0	933.5	958.0	981.8	1002.1	1022.4
25°	767.5	782.7	799.7	820.0	839.5	861.5	883.5	911.5	946.2	988.5	1036.8
27.5°	692.0	718.3	739.5	765.8	788.6	810.7	835.2	865.7	903.8	954.6	1016.5
30°	615.9	645.5	668.4	698.9	729.3	759.0	783.5	815.8	853.0	904.7	972.4
32.5°	534.5	564.1	591.3	619.2	653.1	688.7	718.3	758.1	797.9	851.3	919.9
35°	450.7	476.9	499.8	529.4	566.7	604.8	643.7	689.5	732.7	788.6	861.5
37.5°	377.8	396.5	418.4	444.7	473.5	514.2	558.2	612.4	661.6	722.6	797.1
40°	317.6	327.8	340.5	362.6	388.8	428.6	471.8	529.4	588.7	655.6	727.7
42.5°	271.1	276.2	279.6	293.9	315.1	354.1	395.5	451.5	516.7	589.5	662.4
45°	240.5	243.1	243.9	251.6	266.8	300.7	343.9	391.4	454.0	525.2	601.5
47.5°	226.2	228.7	230.4	232.1	241.5	267.7	306.6	351.5	409.1	474.4	552.3
50°	214.3	216.9	219.4	218.5	222.8	239.7	272.7	314.3	368.5	428.6	505.7
52.5°	202.5	204.1	204.1	204.1	206.7	217.7	241.5	279.6	329.5	386.2	462.5
55°	195.6	197.4	198.2	199.1	199.9	205.8	223.6	254.1	297.3	349.8	418.4
57.5°	188.9	189.7	191.4	192.3	194.0	197.4	208.4	230.4	266.8	310.9	368.5
60°	183.0	184.7	188.1	188.9	190.6	191.4	196.5	210.1	233.8	267.7	314.3
62.5°	173.7	176.2	179.6	180.4	182.1	183.0	183.8	191.4	202.5	222.8	257.5
63°	171.1	173.7	177.9	178.8	179.6	179.6	180.4	185.5	195.6	213.5	238.9
65°	161.8	165.2	167.8	168.6	169.4	169.4	168.6	170.3	171.1	178.8	194.0
67.5°	151.6	154.2	155.9	156.7	155.9	156.7	155.9	154.2	152.4	154.2	160.9
70°	141.5	143.1	143.1	144.0	144.9	145.7	144.0	142.3	140.6	139.8	144.0
72.5°	129.6	131.3	131.3	132.1	132.1	133.9	133.9	133.0	133.0	133.9	134.7
75°	117.7	119.5	118.5	120.3	120.3	122.8	122.8	123.6	125.4	124.6	123.6
77.5°	106.7	107.6	107.6	108.4	109.2	113.5	116.1	116.9	116.9	115.2	113.5
80°	94.9	94.9	93.2	92.3	93.2	97.4	102.5	103.3	105.9	105.1	105.9
82.5°	79.6	76.3	73.7	73.7	75.4	77.9	79.6	81.3	83.0	83.0	84.7
85°	61.0	57.6	55.0	56.0	58.4	59.3	58.4	58.4	61.9	64.4	61.9
87.5°	36.4	33.1	31.3	28.8	29.6	32.2	31.3	28.8	29.6	23.7	22.1
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6
2.5°	903.0	902.2	900.4	897.9	897.1	895.3	896.2	893.7	892.0	890.3	887.8
5°	934.3	934.3	929.2	929.2	926.7	925.8	919.9	917.4	912.3	914.0	908.1
7.5°	956.4	958.9	953.0	952.1	948.7	947.9	940.2	937.7	933.5	931.8	926.7
10°	972.4	972.4	964.9	958.9	954.6	950.5	942.8	939.4	936.1	936.9	933.5
12.5°	985.2	979.2	968.2	959.7	953.8	949.5	943.6	941.1	940.2	946.2	947.0
15°	995.3	986.8	973.3	967.4	962.3	961.5	961.5	963.9	969.9	980.9	989.4
17.5°	1001.2	996.2	989.4	987.7	996.2	1001.2	1008.0	1015.6	1024.1	1039.4	1048.7
20°	1012.2	1015.6	1020.7	1027.5	1041.0	1053.8	1062.3	1073.3	1083.4	1102.1	1117.3
22.5°	1041.0	1060.5	1076.7	1090.2	1110.5	1128.3	1139.3	1154.6	1162.2	1174.9	1198.7
25°	1078.3	1118.1	1152.0	1180.8	1212.1	1230.8	1246.0	1265.5	1277.4	1298.5	1319.8
27.5°	1067.4	1124.0	1174.9	1228.3	1271.5	1319.8	1353.6	1385.8	1406.1	1437.5	1465.5
30°	1033.5	1101.2	1169.8	1240.1	1308.7	1378.2	1442.6	1501.0	1545.9	1590.8	1636.6
32.5°	987.7	1065.6	1149.4	1235.9	1325.7	1422.3	1511.2	1599.3	1673.8	1739.1	1802.6
35°	935.1	1023.3	1110.5	1217.2	1328.2	1451.1	1574.7	1696.7	1810.2	1925.4	2003.3
37.5°	872.5	962.3	1059.7	1182.5	1313.0	1464.6	1622.2	1781.5	1942.4	2097.4	2232.0
40°	805.6	897.1	999.6	1132.5	1279.9	1456.2	1652.6	1866.9	2088.1	2312.5	2491.3
42.5°	746.3	840.3	952.1	1086.8	1246.9	1445.1	1677.2	1940.6	2210.9	2488.7	2751.3
45°	688.7	792.0	909.7	1054.6	1232.5	1453.6	1713.7	2009.2	2321.0	2658.1	2978.3
47.5°	637.0	742.1	856.4	1014.8	1211.3	1457.8	1749.2	2077.9	2425.2	2790.3	3170.6
50°	590.4	692.0	804.8	963.9	1178.2	1455.2	1781.5	2139.7	2514.9	2894.5	3318.9
52.5°	544.7	648.0	763.2	914.8	1137.6	1440.8	1796.7	2190.6	2598.0	2999.5	3438.2
55°	499.8	601.5	717.5	868.3	1084.2	1403.6	1794.9	2223.5	2664.0	3098.7	3553.5
57.5°	447.3	543.8	657.3	816.6	1027.5	1346.0	1769.5	2238.9	2720.8	3196.9	3691.6
60°	382.1	472.6	582.0	741.1	953.0	1272.3	1716.2	2230.4	2753.9	3269.7	3809.3
62.5°	301.6	380.3	480.3	636.2	859.8	1166.4	1616.3	2153.3	2701.3	3259.6	3864.4
63°	284.7	359.2	456.6	610.8	820.0	1137.6	1586.5	2122.8	2676.0	3238.3	3856.7
65°	228.7	277.0	354.9	493.0	686.1	996.2	1439.2	1966.1	2539.5	3089.3	3746.6
67.5°	175.3	199.9	241.5	338.0	485.4	783.5	1165.6	1666.2	2204.0	2720.8	3391.7
70°	149.9	160.9	178.8	224.5	308.3	494.7	818.2	1242.7	1708.6	2156.7	2759.8
72.5°	136.4	141.5	150.8	170.3	211.8	296.5	521.8	808.9	1162.2	1537.4	2003.3
75°	125.4	129.6	137.2	147.4	162.6	197.4	297.3	494.7	755.5	1009.7	1351.9
77.5°	114.4	116.9	125.4	134.7	144.9	162.6	196.5	284.7	434.5	595.5	814.9
80°	105.1	103.3	109.2	124.6	134.7	144.9	155.0	184.7	247.4	326.1	440.5
82.5°	83.8	85.6	90.7	105.9	110.2	107.6	109.2	114.4	138.0	150.8	225.3
85°	56.8	52.5	51.7	53.4	53.4	50.8	50.8	49.9	55.0	62.7	107.6
87.5°	15.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	888.6	0°
2.5°	886.0	885.2	886.0	881.8	881.8	880.9	880.1	878.4	878.4	875.0	877.6	2.5°
5°	903.0	901.2	897.9	892.8	890.3	886.8	886.8	883.5	880.9	877.6	878.4	5°
7.5°	922.5	923.3	917.4	913.2	911.5	908.1	908.9	903.8	904.7	902.2	900.4	7.5°
10°	933.5	933.5	935.1	934.3	936.1	936.1	938.5	935.1	933.5	931.0	931.0	10°
12.5°	951.3	954.6	961.5	961.5	966.5	968.2	969.0	970.8	967.4	965.7	959.7	12.5°
15°	995.3	1003.8	1009.7	1018.1	1028.4	1031.7	1031.7	1028.4	1026.6	1024.1	1013.1	15°
17.5°	1068.2	1086.8	1091.9	1105.4	1107.2	1111.4	1123.2	1116.5	1112.2	1094.4	1091.0	17.5°
20°	1142.7	1166.4	1190.2	1207.0	1215.5	1232.5	1235.0	1231.6	1214.7	1197.7	1190.2	20°
22.5°	1232.5	1268.1	1295.1	1321.5	1334.1	1342.6	1361.2	1357.0	1343.4	1318.0	1307.9	22.5°
25°	1359.6	1403.6	1432.4	1464.6	1481.6	1490.1	1508.6	1508.6	1494.2	1486.6	1485.8	25°
27.5°	1519.7	1573.9	1621.3	1632.3	1676.4	1686.5	1704.4	1704.4	1690.8	1681.5	1726.3	27.5°
30°	1697.5	1754.3	1836.5	1891.5	1944.9	1997.4	1996.6	1999.9	2016.1	2024.6	2044.0	30°
32.5°	1875.4	1945.7	2033.0	2152.4	2266.7	2364.1	2490.4	2570.9	2546.3	2477.7	2450.6	32.5°
35°	2091.4	2169.3	2275.2	2395.5	2604.8	2731.0	2791.9	2835.1	2840.2	2849.5	2869.0	35°
37.5°	2332.0	2462.5	2585.3	2721.7	2837.7	2991.0	3132.4	3246.0	3272.2	3325.6	3295.1	37.5°
40°	2636.1	2781.8	2910.6	3086.7	3242.6	3427.3	3629.7	3785.6	3848.3	3828.0	3675.4	40°
42.5°	2954.6	3135.0	3285.8	3493.4	3695.8	3939.8	4149.0	4366.6	4405.6	4248.9	4021.0	42.5°
45°	3247.7	3471.3	3658.5	3874.5	4121.9	4414.1	4693.7	4917.3	4909.6	4641.1	4336.2	45°
47.5°	3511.1	3785.6	4014.3	4295.5	4561.5	4909.6	5230.7	5395.9	5298.4	4980.8	4607.3	47.5°
50°	3728.8	4071.1	4353.2	4637.7	4975.8	5395.0	5704.2	5797.4	5609.3	5263.7	4870.7	50°
52.5°	3904.1	4333.7	4650.5	4978.2	5405.2	5846.5	6112.5	6077.7	5834.6	5479.7	5088.4	52.5°
55°	4052.4	4534.4	4912.2	5299.3	5828.7	6235.3	6412.3	6319.2	5979.5	5619.5	5237.5	55°
57.5°	4205.7	4729.2	5152.7	5601.8	6191.3	6540.3	6638.5	6447.0	6048.1	5672.8	5301.9	57.5°
60°	4359.1	4891.8	5365.4	5866.0	6465.7	6789.3	6762.2	6475.9	6027.8	5633.9	5258.7	60°
62.5°	4462.4	4988.4	5489.0	6028.6	6671.6	6916.4	6750.4	6373.4	5910.1	5480.6	5129.8	62.5°
63°	4465.0	4991.8	5496.7	6039.7	6694.4	6920.6	6727.5	6337.0	5872.7	5449.2	5091.8	63°
65°	4411.6	4928.3	5428.9	5989.6	6674.9	6823.2	6530.2	6121.9	5660.2	5232.4	4893.6	65°
67.5°	4138.9	4665.7	5107.9	5636.5	6326.0	6368.3	6001.6	5672.0	5257.0	4813.9	4459.9	67.5°
70°	3589.0	4027.0	4460.7	4902.1	5480.6	5473.0	5128.2	4960.5	4597.1	4092.2	3808.5	70°
72.5°	2854.6	3247.7	3552.6	3848.3	4229.4	4152.3	3930.5	3977.0	3741.6	3364.6	3196.1	72.5°
75°	2119.4	2551.4	2700.5	2820.7	2981.7	2982.6	3043.5	3175.6	3172.3	2963.1	2750.5	75°
77.5°	1390.1	1862.7	1912.7	2009.2	2202.4	2465.0	2736.1	3027.5	3100.3	2935.1	2620.8	77.5°
80°	775.0	1266.4	1208.8	1291.8	1500.2	1856.8	2256.6	2578.5	2768.3	2676.0	2343.0	80°
82.5°	396.5	730.2	698.0	813.2	981.8	1291.8	1556.1	1803.4	2027.0	2014.3	1888.1	82.5°
85°	205.8	399.8	454.9	515.0	599.7	710.7	810.7	882.7	975.9	1140.2	1196.1	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.0	61.0	44.0	121.1	172.8	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
888.6	888.6	888.6	888.6	888.6	888.6	888.6
878.4	879.3	877.6	877.6	878.4	878.4	876.7
876.7	876.7	875.0	873.4	871.6	871.6	869.9
896.2	896.2	890.3	887.8	883.5	880.1	878.4
925.0	919.9	913.2	908.1	901.2	893.7	889.4
953.8	946.2	937.7	930.1	921.7	913.2	908.9
1001.2	991.1	980.1	970.8	958.9	946.2	941.1
1074.1	1058.0	1043.6	1030.1	1008.9	999.6	989.4
1170.7	1146.9	1128.3	1105.4	1079.2	1070.7	1058.0
1287.6	1267.3	1229.9	1213.1	1186.7	1174.1	1176.6
1465.5	1439.2	1396.0	1379.9	1377.3	1349.4	1335.9
1697.5	1699.3	1659.4	1616.3	1592.5	1548.5	1492.5
2027.9	2005.1	1958.4	1914.4	1858.4	1775.4	1682.3
2427.7	2376.9	2299.8	2217.6	2118.5	1990.7	1860.2
2818.2	2729.3	2606.4	2469.2	2326.1	2166.8	1982.2
3161.2	3023.2	2839.4	2681.9	2479.4	2280.3	2055.0
3474.7	3303.6	3066.4	2862.3	2623.4	2367.6	2100.7
3777.9	3561.1	3270.6	2994.4	2724.1	2426.0	2122.8
4066.8	3787.3	3442.5	3113.9	2797.9	2464.1	2126.1
4288.7	3983.8	3596.7	3200.2	2848.7	2493.0	2126.1
4494.6	4149.8	3714.4	3268.0	2896.2	2512.4	2127.9
4654.7	4266.7	3790.7	3316.3	2933.5	2526.8	2135.4
4770.8	4343.0	3841.5	3345.9	2960.5	2547.2	2152.4
4852.0	4393.0	3869.4	3372.2	2993.6	2582.7	2199.9
4891.0	4485.3	3916.1	3424.8	3050.4	2658.1	2294.7
4861.3	4628.4	4049.0	3513.7	3129.1	2775.9	2446.3
4848.7	4654.7	4085.5	3533.2	3146.8	2801.2	2498.9
4749.5	4680.9	4235.3	3631.4	3231.6	2914.0	2645.4
4442.1	4577.6	4361.6	3797.4	3413.7	3187.6	2919.1
4043.9	4424.2	4338.8	3818.7	3529.7	3412.0	3091.8
3567.0	3960.9	3881.3	3536.6	3401.9	3414.6	3046.9
2807.3	3102.8	3050.4	2929.2	2956.3	3049.4	2609.8
2249.0	2209.2	2088.1	2096.5	2253.3	2362.5	1878.9
1837.3	1487.5	1329.9	1334.1	1607.8	1721.2	1196.9
1748.4	1406.9	1146.1	1001.2	1169.8	1126.6	625.2
1245.2	1247.8	1035.1	841.1	814.9	693.0	389.6
294.8	236.4	168.6	125.4	132.1	87.3	44.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)