

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: P180722

Luminaire Tested: **ICS-F01-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180722
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-SL3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2060.4 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



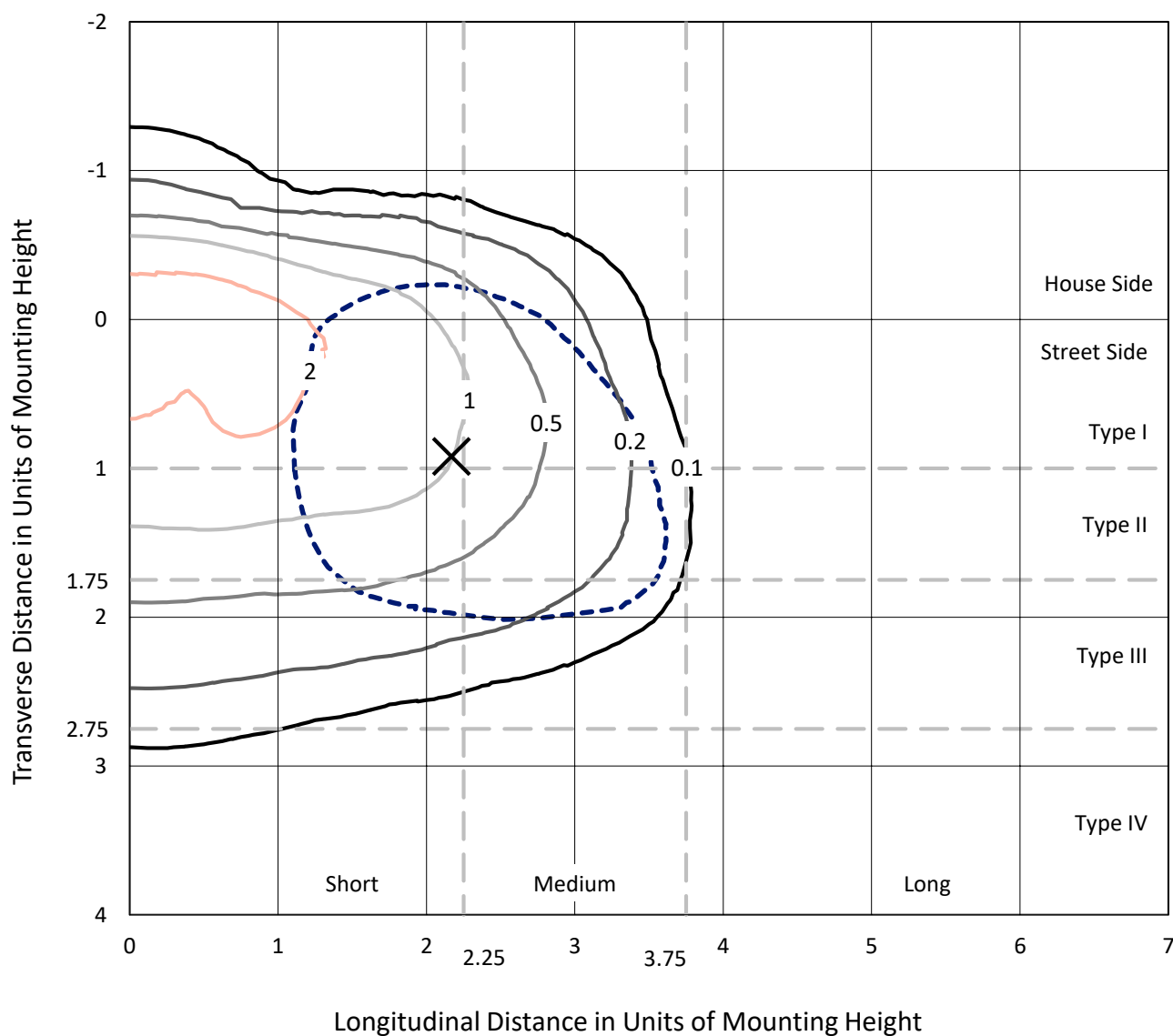
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

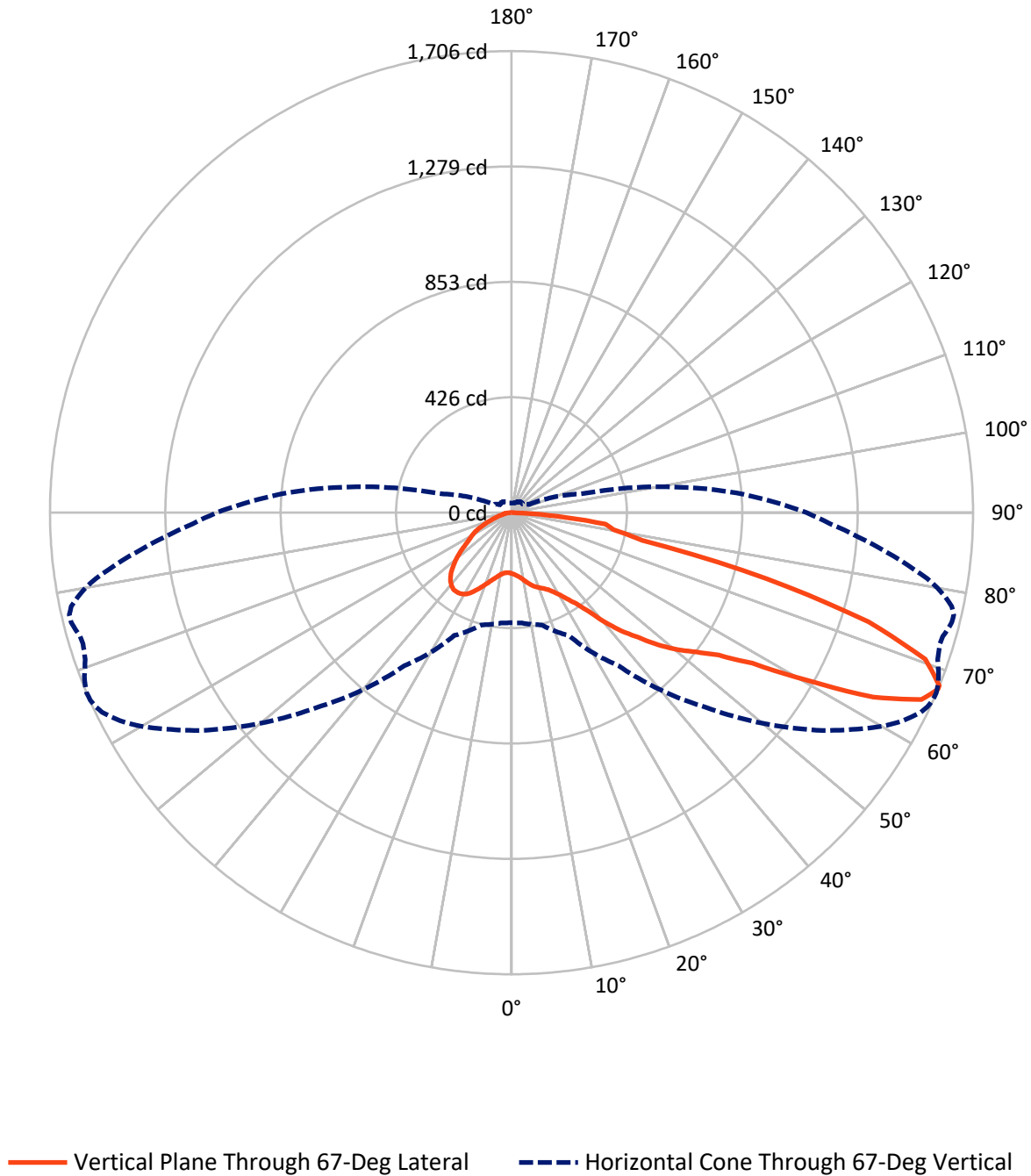


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.5	0.0	475.5
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1585.0	0.0	1585.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	2060.4	0.0	2060.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	1.1
10°-20°	76.8	3.7
20°-30°	135.7	6.6
30°-40°	194.8	9.5
40°-50°	295.8	14.4
50°-60°	435.5	21.1
60°-70°	578.8	28.1
70°-80°	283.1	13.7
80°-90°	37.6	1.8
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°	2060.4	100.0
0°-180°	2060.4	100.0

Coefficient of Utilization



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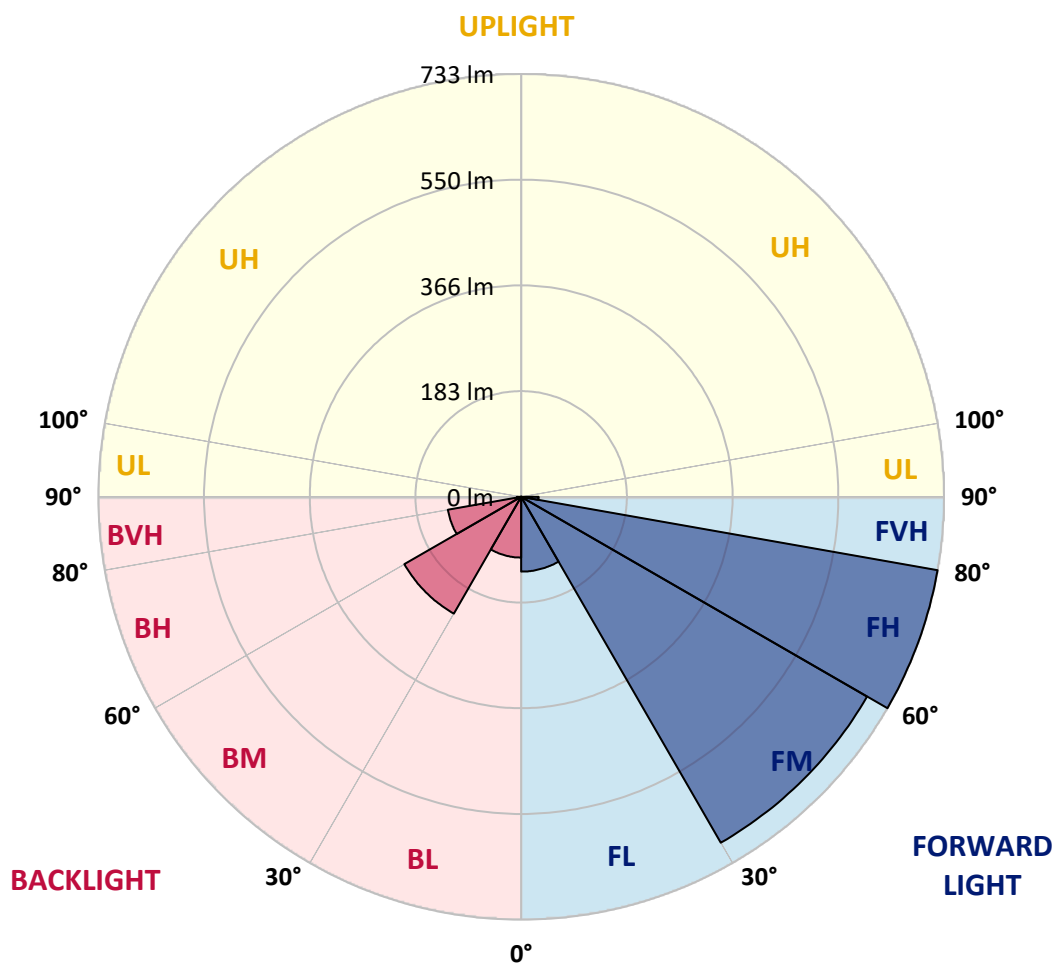
CATALOG NUMBER: ICS-F01-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.6	6.3			
FM	(30°-60°)	692.3	33.6			
FH	(60°-80°)	732.9	35.6			G1/1800
FVH	(80°-90°)	30.2	1.5			G1/100
BL	(0°-30°)	105.3	5.1	B0/110		
BM	(30°-60°)	233.8	11.3	B1/1000		
BH	(60°-80°)	129.0	6.3	B1/500		G1/500
BVH	(80°-90°)	7.4	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	235.7	235.9	235.5	235.3	233.9	232.5	231.6	230.5	230.5	230.5	230.1
5°	249.1	248.2	248.8	247.2	244.5	242.0	239.6	237.5	237.1	237.1	236.2
7.5°	265.1	264.0	263.5	261.3	257.2	253.6	248.6	246.6	245.4	245.0	244.5
10°	284.6	284.6	281.6	277.8	272.4	266.0	260.6	257.0	256.7	256.7	254.7
12.5°	304.5	304.9	301.1	297.2	288.4	280.0	273.7	269.6	269.4	268.5	267.4
15°	322.8	321.7	319.2	313.5	303.8	293.8	285.9	281.9	281.0	280.0	279.4
17.5°	338.0	336.8	333.7	326.4	316.2	304.5	294.8	290.5	290.0	289.5	288.6
20°	347.5	346.6	342.0	333.7	323.0	311.0	300.6	297.7	296.8	296.8	296.3
22.5°	352.9	351.5	345.0	333.9	323.5	314.7	306.1	304.3	303.6	303.8	303.8
25°	355.6	354.5	345.2	329.4	319.4	316.9	313.3	312.2	312.4	312.6	313.1
27.5°	356.1	354.5	343.6	323.5	314.2	321.2	323.7	325.5	325.5	326.4	328.0
30°	352.7	350.9	340.4	319.0	311.9	329.8	339.8	344.5	346.3	345.9	349.5
32.5°	346.8	345.6	337.3	319.0	318.3	346.8	364.4	371.2	372.1	372.6	376.6
35°	344.7	344.5	340.9	329.8	338.0	376.6	403.6	408.8	409.9	409.9	412.8
37.5°	344.3	345.4	349.5	350.2	372.6	421.0	456.3	464.2	464.2	466.4	466.4
40°	344.3	346.8	362.2	380.5	414.9	478.7	527.5	536.6	536.6	539.1	537.7
42.5°	357.6	361.3	386.6	421.4	468.3	538.2	594.3	604.4	605.1	604.4	606.5
45°	383.9	387.0	417.8	467.8	523.2	601.9	658.0	670.3	667.8	669.4	670.0
47.5°	418.7	423.7	458.8	518.5	576.8	661.0	729.5	740.6	739.7	740.4	737.4
50°	455.8	461.0	500.2	568.7	630.2	708.5	787.0	803.5	801.9	803.0	804.6
52.5°	488.6	491.8	529.6	606.5	670.7	752.8	831.1	851.7	855.3	855.8	856.9
55°	508.1	511.9	546.5	625.2	700.1	796.3	881.5	912.8	919.8	921.6	926.6
57.5°	514.9	518.9	550.4	628.0	716.2	837.0	951.9	1006.9	1012.7	1022.5	1038.3
60°	514.6	518.9	546.3	621.9	732.5	887.4	1061.4	1153.4	1183.3	1193.3	1215.9
62.5°	493.6	498.6	526.4	603.3	753.3	951.9	1224.3	1365.9	1404.3	1422.4	1446.8
65°	447.4	451.1	477.1	556.3	747.4	1015.5	1360.4	1537.1	1572.2	1598.6	1642.3
67°	406.5	408.8	429.1	500.6	689.9	1017.7	1403.4	1579.6	1610.2	1638.2	1683.2
67.5°	396.1	400.8	416.7	483.6	668.5	1004.8	1400.5	1573.1	1604.3	1633.5	1681.0
70°	322.3	329.1	337.1	382.1	525.5	845.3	1296.6	1459.5	1486.9	1514.0	1580.3
72.5°	198.8	211.1	212.6	241.1	342.0	584.3	1049.2	1230.8	1251.4	1270.8	1338.7
75°	117.2	119.0	124.6	147.7	200.6	349.3	704.0	914.3	933.3	942.8	996.0
77.5°	65.4	67.2	71.9	91.8	154.3	235.3	409.9	537.2	548.8	560.8	552.2
80°	27.1	29.6	31.9	37.1	72.2	185.7	281.9	341.6	349.0	356.1	364.9
82.5°	13.1	14.0	17.2	19.7	26.2	76.2	221.0	296.1	304.9	315.1	335.7
85°	6.1	6.8	9.5	11.3	12.7	19.2	74.0	144.1	156.3	158.6	162.6
87.5°	0.5	0.5	1.1	1.6	2.3	2.5	7.7	10.9	12.2	11.1	14.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	229.8	229.6	229.2	229.2	228.9	228.9	228.9	228.5	228.5	228.5	228.2
5°	235.9	235.7	235.0	235.0	234.6	234.6	233.9	233.7	233.2	233.2	233.0
7.5°	243.9	243.6	242.7	242.7	242.0	241.8	241.4	240.7	240.7	240.2	239.8
10°	254.7	254.0	253.8	252.7	252.9	252.5	252.0	251.3	250.9	250.4	250.0
12.5°	266.9	266.9	265.8	265.1	265.6	265.1	264.2	264.0	263.3	263.3	262.6
15°	278.5	278.5	278.0	277.1	277.3	276.7	276.4	276.0	275.1	275.3	275.1
17.5°	288.4	288.4	287.7	287.3	287.3	286.6	286.8	286.4	285.9	285.7	285.0
20°	296.3	296.3	295.9	295.4	295.7	295.7	295.0	295.0	295.0	294.5	294.5
22.5°	304.0	304.3	304.3	304.3	304.5	304.7	304.5	304.9	304.7	305.2	305.2
25°	314.2	314.9	315.3	315.3	316.5	316.7	316.9	317.6	317.6	318.3	318.5
27.5°	329.4	329.8	331.6	332.1	332.3	334.1	334.3	335.2	336.1	336.4	336.6
30°	350.2	351.3	352.7	353.6	353.6	355.8	356.7	356.3	358.8	359.4	360.4
32.5°	378.0	378.9	380.3	381.2	382.1	383.2	383.4	384.6	386.6	388.4	387.3
35°	413.1	415.3	413.1	415.5	416.2	417.8	417.4	418.7	419.6	420.3	420.1
37.5°	464.0	462.8	462.4	461.5	459.9	465.3	462.6	462.4	461.0	464.9	462.4
40°	530.9	531.6	532.3	528.7	526.6	526.6	525.9	523.5	522.3	525.7	525.3
42.5°	600.8	601.5	598.3	596.1	590.9	590.2	587.0	586.3	585.2	587.0	585.2
45°	664.4	664.8	657.8	659.0	654.9	655.6	650.6	652.6	649.9	651.7	655.1
47.5°	735.4	736.3	730.2	732.7	728.6	726.1	725.9	727.3	724.3	726.1	727.0
50°	799.9	798.7	795.6	796.3	794.5	794.9	792.2	794.7	791.3	794.9	794.5
52.5°	857.1	855.8	855.1	857.3	855.8	855.8	854.2	855.3	855.8	861.2	862.3
55°	926.6	927.7	928.8	932.9	934.7	931.8	934.7	940.4	940.6	953.5	960.5
57.5°	1038.1	1046.0	1050.1	1052.6	1063.2	1062.1	1068.8	1082.4	1083.8	1113.6	1131.1
60°	1232.6	1246.6	1260.0	1252.8	1274.2	1280.8	1284.9	1310.2	1318.1	1346.4	1361.6
62.5°	1478.3	1479.9	1500.7	1494.1	1506.3	1503.4	1508.4	1519.9	1530.3	1553.6	1567.9
65°	1649.8	1657.2	1665.4	1657.0	1656.8	1646.8	1640.5	1640.3	1646.6	1651.6	1667.4
67°	1696.4	1703.8	1705.9	1699.7	1690.9	1678.3	1666.5	1660.4	1656.3	1658.6	1668.5
67.5°	1695.9	1702.9	1705.4	1699.5	1687.3	1676.7	1664.2	1657.2	1651.8	1652.9	1661.3
70°	1599.5	1614.7	1622.8	1624.6	1623.1	1604.5	1593.9	1587.5	1583.0	1571.9	1571.3
72.5°	1355.2	1373.5	1379.9	1390.1	1394.6	1367.2	1355.7	1362.7	1346.9	1311.8	1313.4
75°	995.1	996.5	975.2	971.1	956.0	894.0	875.4	858.5	831.3	789.0	749.2
77.5°	518.7	518.5	494.0	481.6	463.5	426.2	424.4	394.1	372.8	334.1	320.1
80°	368.5	374.4	382.5	386.6	380.3	365.8	345.9	324.4	299.7	275.5	246.6
82.5°	342.7	346.3	350.6	334.8	326.0	305.6	290.5	259.2	241.8	214.2	185.0
85°	166.7	177.8	169.2	159.3	155.9	121.9	117.9	98.4	89.4	73.5	68.5
87.5°	10.6	13.1	11.8	10.6	9.3	5.2	7.0	5.0	5.2	3.8	3.4
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	228.2	228.0	227.8	227.6	227.3	227.3	227.1	226.9	226.7	226.2	226.2
5°	232.5	232.5	232.3	231.9	231.9	231.4	230.7	230.5	230.5	230.1	229.6
7.5°	239.6	239.3	238.9	238.7	238.2	237.7	237.3	236.8	236.6	235.9	235.7
10°	250.2	249.7	248.6	248.2	247.9	247.5	247.0	246.6	245.9	245.4	245.2
12.5°	262.2	262.0	261.0	261.5	260.4	259.9	259.5	258.3	258.8	257.9	257.4
15°	274.2	274.4	273.9	273.9	273.0	272.4	271.9	271.0	270.8	270.3	269.9
17.5°	284.8	285.3	284.6	284.1	283.7	283.2	282.3	281.4	281.4	280.5	280.0
20°	294.5	295.0	294.8	294.3	293.6	293.4	292.9	292.3	292.3	291.8	291.1
22.5°	305.6	305.8	305.8	305.6	304.9	305.2	304.7	304.0	304.3	303.3	303.3
25°	319.0	319.4	319.9	320.1	319.6	319.9	319.4	319.0	318.7	319.0	318.7
27.5°	337.3	337.7	339.1	338.0	339.1	339.3	338.6	337.7	338.4	339.5	338.9
30°	361.5	361.0	362.8	363.1	362.8	363.1	362.6	361.9	362.4	364.4	363.3
32.5°	388.6	389.5	390.0	390.4	391.1	392.0	391.3	390.7	391.8	391.1	392.7
35°	421.4	423.5	424.1	423.5	423.9	425.5	425.3	425.5	427.8	425.5	428.4
37.5°	462.8	464.9	466.4	465.5	466.7	466.7	468.5	473.5	470.3	474.4	477.5
40°	523.0	526.2	526.4	526.2	527.3	528.7	530.5	535.9	532.3	536.6	539.5
42.5°	585.0	588.8	590.2	587.9	590.4	593.3	593.6	598.3	598.6	599.2	600.8
45°	654.9	658.3	661.0	659.9	660.1	663.9	663.0	667.5	664.2	664.2	665.1
47.5°	729.3	732.5	734.3	736.1	733.8	737.2	738.8	737.9	733.8	732.9	727.5
50°	797.2	799.9	802.6	807.6	807.3	808.9	810.1	806.0	805.1	800.1	794.0
52.5°	869.1	876.1	882.2	892.6	894.2	899.6	897.6	890.8	889.7	881.5	873.4
55°	969.3	989.4	998.3	1014.3	1025.2	1025.0	1020.4	1019.3	1010.7	994.4	984.7
57.5°	1143.7	1175.2	1190.3	1211.1	1214.5	1212.5	1206.6	1196.2	1181.3	1153.9	1136.3
60°	1395.5	1414.9	1432.6	1437.6	1440.1	1436.2	1415.6	1392.6	1363.4	1325.6	1294.1
62.5°	1585.7	1605.6	1618.8	1616.7	1601.1	1581.4	1551.4	1512.7	1471.7	1429.4	1382.4
65°	1682.6	1690.9	1688.9	1673.1	1646.4	1612.0	1568.1	1520.4	1472.2	1422.2	1373.3
67°	1677.3	1677.6	1663.8	1633.0	1598.9	1555.6	1502.0	1450.0	1393.5	1341.0	1282.8
67.5°	1668.1	1667.2	1647.9	1614.2	1577.4	1532.8	1477.2	1423.3	1364.7	1311.8	1251.6
70°	1563.1	1550.4	1507.0	1453.2	1401.8	1341.7	1283.3	1221.5	1155.5	1110.0	1040.8
72.5°	1284.4	1241.7	1166.8	1110.5	1055.5	976.8	940.4	863.7	817.3	788.3	736.1
75°	743.8	708.0	650.1	597.4	570.7	524.1	502.0	445.6	433.9	433.4	415.3
77.5°	283.9	247.7	210.4	169.4	144.1	114.5	100.9	90.3	82.1	87.8	79.6
80°	212.9	175.1	136.9	99.5	71.0	52.5	45.0	41.6	39.6	38.0	36.9
82.5°	158.6	125.1	97.0	63.3	44.3	33.5	29.0	27.1	26.2	24.7	23.3
85°	53.6	43.0	33.9	23.5	18.5	15.2	14.0	13.6	12.9	11.8	11.1
87.5°	2.9	2.7	2.9	2.3	2.7	2.3	2.5	2.5	2.5	2.3	2.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1	225.1
2.5°	226.0	226.0	226.0	225.5	224.9	223.5	222.1	221.0	219.9	219.2	218.7
5°	229.4	228.9	228.7	228.5	226.9	224.2	221.7	219.4	217.2	215.4	214.7
7.5°	235.5	234.6	234.4	233.7	231.6	227.6	223.9	220.3	217.2	214.7	213.5
10°	244.8	244.8	243.4	242.5	240.2	234.8	229.6	224.9	220.6	217.8	217.2
12.5°	256.5	256.5	255.4	254.7	252.0	245.0	238.7	233.0	228.9	226.2	226.0
15°	268.7	268.5	267.6	266.7	263.8	256.3	250.0	245.0	241.6	238.4	237.5
17.5°	279.6	279.6	278.5	277.6	274.6	268.3	262.6	259.0	255.2	248.6	243.6
20°	290.5	290.7	289.8	288.9	286.4	281.0	278.5	274.8	266.2	252.0	240.2
22.5°	302.4	303.3	302.2	301.3	299.3	297.0	296.1	287.5	269.4	246.6	229.4
25°	317.8	319.4	318.1	317.6	316.5	317.1	314.4	294.5	264.9	234.8	213.3
27.5°	338.9	338.9	339.1	339.1	338.6	341.1	331.2	294.8	254.9	219.7	194.1
30°	363.5	364.9	364.4	364.4	366.2	367.8	340.4	289.8	242.3	200.9	170.6
32.5°	393.2	394.3	394.7	392.7	399.9	391.8	343.8	280.7	226.7	177.6	142.5
35°	428.9	430.5	431.6	431.8	436.6	412.6	342.0	267.4	204.3	148.4	111.7
37.5°	475.5	478.7	481.1	482.3	482.5	430.3	337.1	249.7	175.1	115.8	83.2
40°	537.5	540.9	540.2	542.5	529.6	440.7	325.7	224.2	138.9	85.1	64.2
42.5°	597.2	597.6	598.6	596.5	570.3	446.1	309.9	193.0	104.1	63.6	55.0
45°	663.9	660.1	655.8	652.6	607.8	448.1	288.2	155.0	73.5	53.4	50.9
47.5°	726.6	721.4	712.6	703.5	641.3	445.0	260.4	116.0	55.9	48.9	48.2
50°	788.1	778.4	765.9	755.5	673.4	440.2	229.6	83.7	48.9	46.6	45.9
52.5°	864.3	848.1	831.8	818.2	715.3	432.7	197.3	63.6	45.9	44.8	43.9
55°	968.9	946.2	920.0	901.0	772.1	421.4	163.3	53.8	44.6	43.7	42.3
57.5°	1113.6	1079.7	1050.1	1019.1	849.6	409.9	134.1	50.0	44.3	43.0	41.2
60°	1261.6	1220.9	1183.1	1138.7	928.8	398.4	113.8	49.5	45.0	43.0	40.3
62.5°	1338.5	1296.4	1250.9	1205.9	963.0	371.2	99.8	50.2	46.6	43.7	40.3
65°	1320.8	1269.5	1223.3	1177.4	923.4	319.9	84.4	51.1	49.8	46.4	40.9
67°	1232.2	1178.6	1134.2	1090.3	835.2	267.8	72.4	52.0	53.2	49.5	42.3
67.5°	1201.0	1147.3	1103.7	1060.9	809.2	257.0	69.4	52.5	53.8	50.4	42.8
70°	995.8	956.4	910.0	877.0	655.1	190.2	57.0	53.4	57.9	55.6	44.8
72.5°	716.6	679.1	644.2	625.9	482.5	133.0	48.0	52.5	60.4	58.6	45.7
75°	380.9	378.7	366.0	375.1	298.6	86.9	42.3	49.1	57.7	53.6	42.5
77.5°	76.9	79.2	93.0	91.6	96.4	48.4	36.2	42.1	44.6	39.4	34.6
80°	35.7	35.1	34.4	34.8	34.2	31.0	29.4	33.0	31.0	25.3	23.1
82.5°	22.2	21.7	21.0	20.8	23.1	24.7	25.8	26.0	20.6	17.6	17.0
85°	10.6	10.6	10.4	10.9	13.6	20.1	21.7	19.2	13.8	12.7	12.0
87.5°	2.0	2.0	2.3	2.0	2.7	4.8	5.4	6.3	5.2	5.4	6.1
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):

	165°	175°	180°
0°	225.1	225.1	225.1
2.5°	218.3	217.8	217.8
5°	213.8	213.5	213.5
7.5°	212.6	212.9	212.6
10°	216.9	216.7	217.6
12.5°	226.4	227.1	226.9
15°	236.4	236.8	236.8
17.5°	239.3	237.7	237.5
20°	231.6	228.7	228.0
22.5°	217.2	211.7	212.0
25°	198.8	192.3	192.7
27.5°	177.6	170.6	170.3
30°	152.0	144.3	140.5
32.5°	121.2	112.0	112.0
35°	91.2	83.7	81.0
37.5°	69.2	64.9	63.6
40°	57.7	55.6	55.2
42.5°	52.5	51.8	51.6
45°	49.8	49.3	49.1
47.5°	47.3	47.1	46.8
50°	45.5	45.2	45.0
52.5°	43.9	43.4	43.2
55°	41.6	41.6	41.6
57.5°	40.3	40.3	40.0
60°	38.9	38.7	38.7
62.5°	37.8	37.3	37.6
65°	37.1	36.4	36.4
67°	36.6	35.3	35.3
67.5°	36.6	34.8	34.8
70°	36.0	33.0	32.6
72.5°	35.3	31.0	30.3
75°	33.5	29.4	28.7
77.5°	28.7	26.2	25.8
80°	22.2	19.2	19.7
82.5°	16.1	13.8	13.6
85°	11.5	10.0	10.0
87.5°	6.1	5.2	5.4
90°	0.0	0.0	0.0

(END OF REPORT)