

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: P181698

Luminaire Tested: **ICS-E03-LED-E1-T4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181698
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-T4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7452.9 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 75.2
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

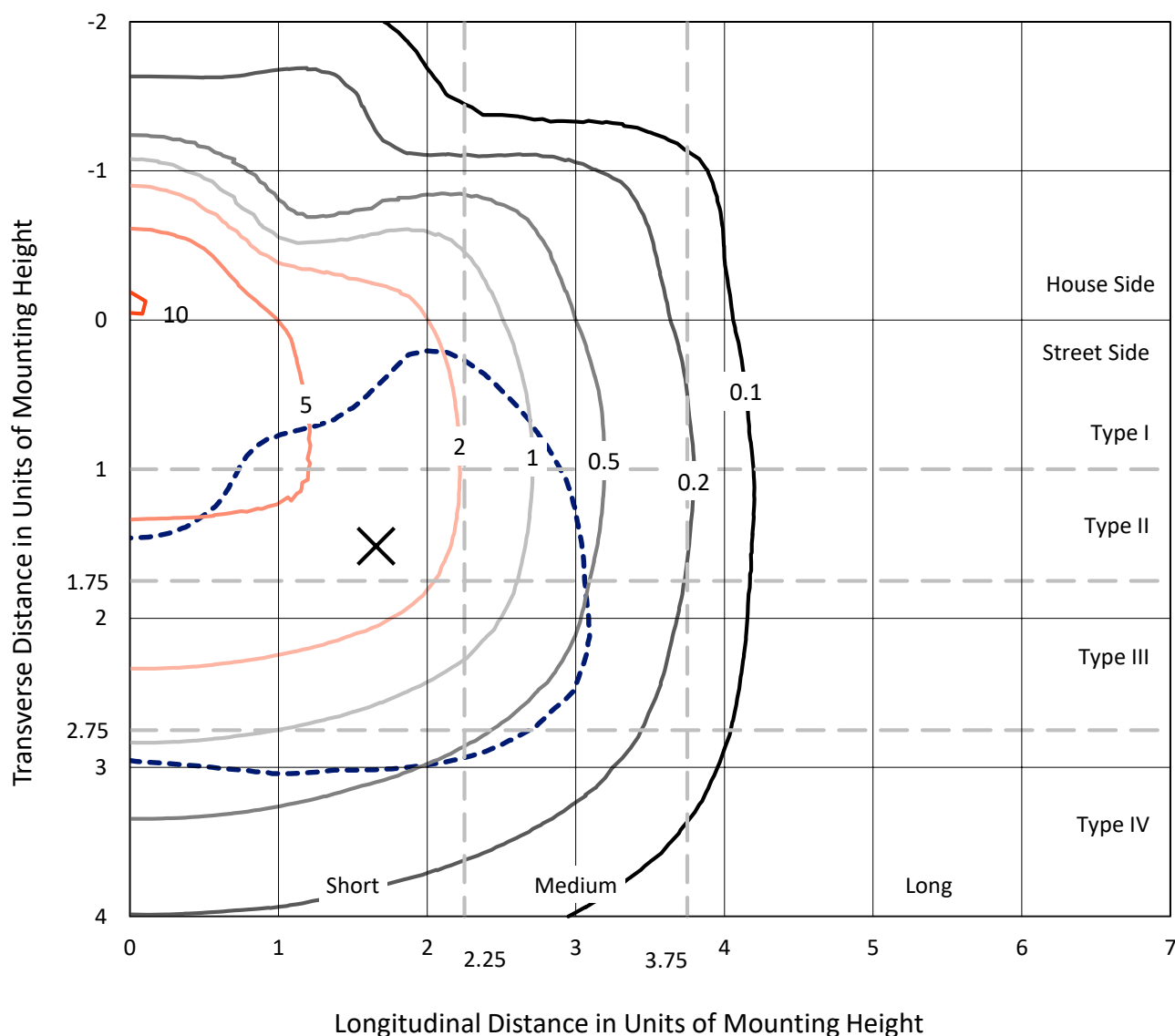


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

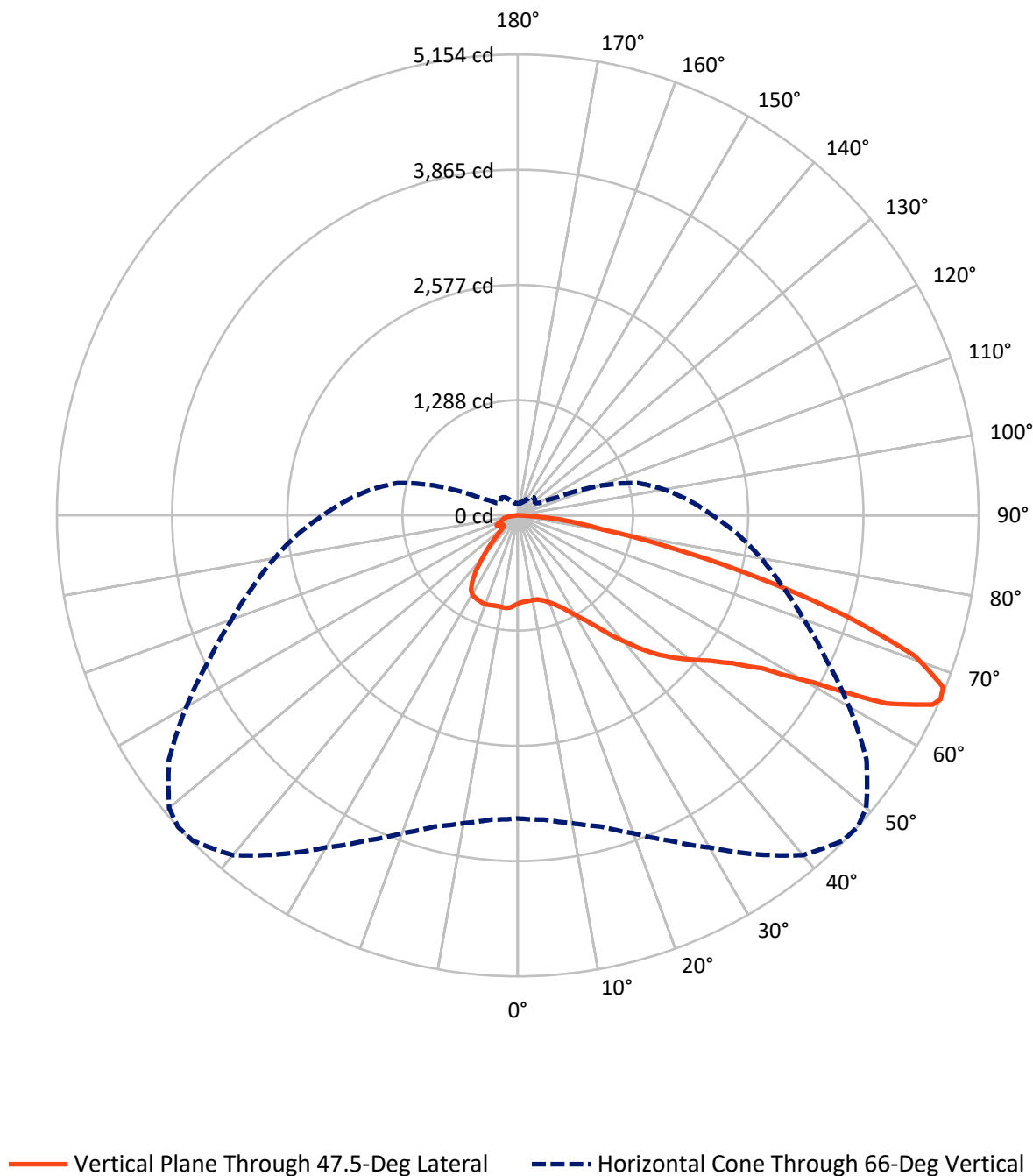


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1590.3	0.0	1590.3
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	5862.6	0.0	5862.6
	% Fixture	78.7	0.0	78.7
Total	Lumens	7452.9	0.0	7452.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.3
10°-20°	289.6	3.9
20°-30°	498.9	6.7
30°-40°	754.8	10.1
40°-50°	978.3	13.1
50°-60°	1348.7	18.1
60°-70°	2095.5	28.1
70°-80°	1218.5	16.3
80°-90°	173.3	2.3
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°	7452.9	100.0
0°-180°	7452.9	100.0

Coefficient of Utilization



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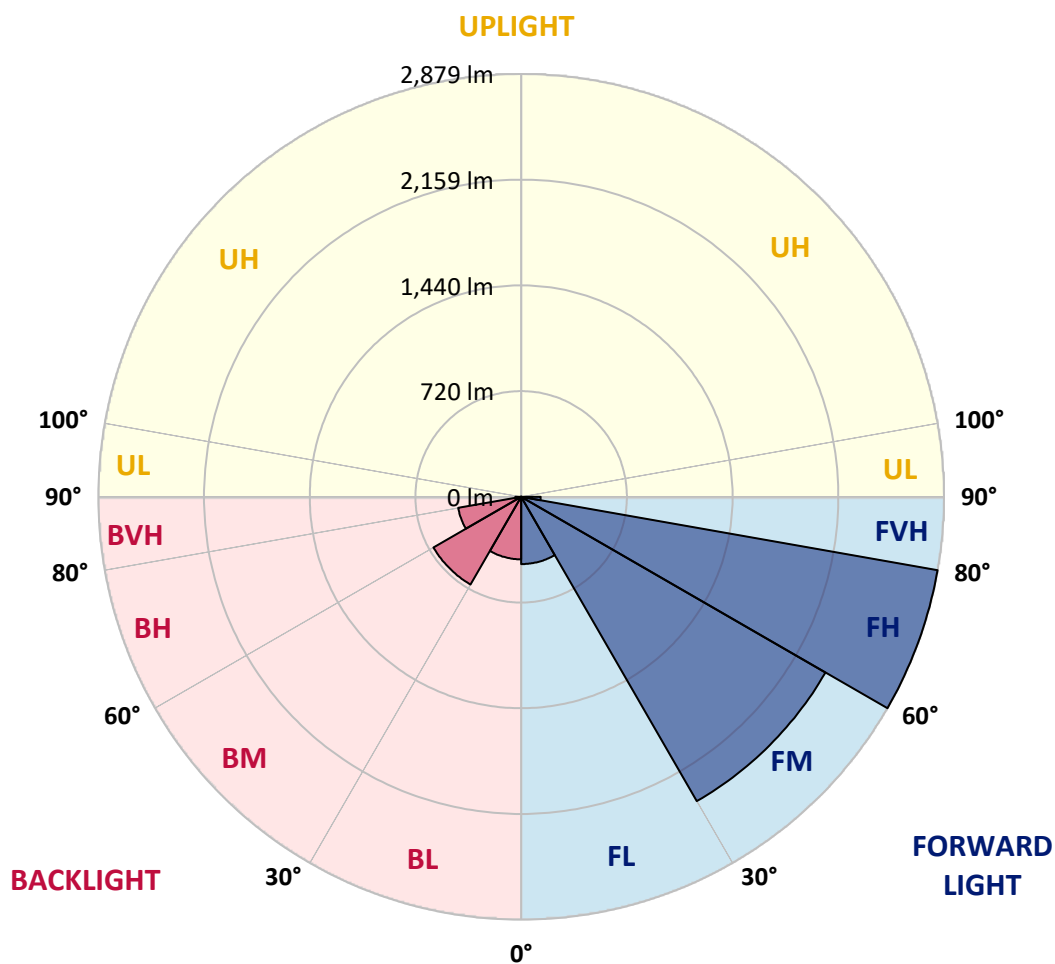
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.2	6.1			
FM	(30°-60°)	2392.4	32.1			
FH	(60°-80°)	2879.1	38.6			G2/5000
FVH	(80°-90°)	133.0	1.8			G2/225
BL	(0°-30°)	425.7	5.7	B1/500		
BM	(30°-60°)	689.4	9.2	B1/1000		
BH	(60°-80°)	434.9	5.8	B1/500		G1/500
BVH	(80°-90°)	40.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	964.3	967.6	965.1	965.9	965.9	966.7	966.7	967.6	966.7	969.2	970.9
5°	947.0	948.7	947.8	949.5	951.1	954.4	953.6	957.7	958.5	961.0	965.1
7.5°	940.4	938.8	939.6	942.1	943.7	945.4	947.0	950.3	952.8	958.5	961.8
10°	947.0	946.2	947.0	948.7	948.7	949.5	947.8	951.1	952.8	957.7	961.0
12.5°	974.1	974.1	972.5	972.5	970.9	969.2	965.1	962.6	961.8	962.6	964.3
15°	1017.7	1016.1	1012.8	1010.3	1007.0	1001.3	995.5	990.6	987.3	982.4	980.7
17.5°	1060.5	1058.0	1054.7	1051.4	1047.3	1041.6	1032.5	1026.8	1017.7	1012.0	1008.7
20°	1109.8	1104.8	1100.7	1096.6	1088.4	1086.8	1077.7	1067.9	1057.2	1044.0	1042.4
22.5°	1173.9	1165.7	1160.7	1158.3	1150.1	1147.6	1132.8	1118.8	1105.7	1088.4	1084.3
25°	1238.8	1230.6	1228.2	1224.9	1219.1	1215.8	1201.9	1186.2	1169.0	1145.1	1140.2
27.5°	1302.1	1303.0	1296.4	1298.9	1297.2	1291.5	1277.5	1261.9	1248.7	1220.8	1215.0
30°	1381.1	1376.1	1372.8	1377.8	1372.0	1372.8	1360.5	1352.3	1330.9	1314.5	1303.0
32.5°	1463.3	1462.4	1467.4	1470.7	1469.8	1468.2	1458.3	1450.1	1431.2	1407.4	1402.4
35°	1575.9	1580.8	1584.9	1599.7	1599.7	1610.4	1600.6	1590.7	1568.5	1539.7	1529.9
37.5°	1652.3	1654.0	1670.4	1690.2	1714.8	1737.8	1744.4	1746.9	1737.8	1716.5	1701.7
40°	1722.2	1725.5	1751.8	1782.2	1818.4	1863.6	1890.7	1903.1	1905.5	1895.7	1863.6
42.5°	1792.1	1797.0	1824.2	1868.5	1918.7	1976.2	2023.9	2054.3	2071.6	2071.6	2052.7
45°	1873.5	1880.1	1909.6	1958.1	2016.5	2088.9	2154.6	2213.0	2240.9	2242.6	2224.5
47.5°	1969.7	1975.4	2009.9	2059.3	2119.3	2192.4	2275.5	2342.0	2393.8	2397.1	2382.3
50°	2093.8	2102.0	2130.8	2175.2	2236.8	2310.8	2393.8	2486.7	2541.0	2554.1	2538.5
52.5°	2258.2	2259.8	2283.7	2324.8	2384.8	2455.5	2543.5	2644.6	2716.1	2726.8	2701.3
55°	2485.1	2482.6	2498.2	2542.6	2587.8	2642.9	2734.2	2847.6	2927.4	2943.8	2917.5
57.5°	2793.4	2790.9	2804.0	2814.7	2899.4	2952.8	3042.4	3151.0	3228.2	3275.9	3230.7
60°	3271.0	3268.5	3289.9	3352.4	3415.7	3493.8	3580.9	3710.8	3819.3	3833.3	3788.9
62.5°	3617.1	3629.4	3676.3	3749.4	3877.7	4030.6	4190.0	4361.0	4583.8	4654.5	4633.1
65°	3496.2	3520.9	3585.8	3696.8	3867.8	4079.1	4329.0	4638.9	4937.3	5104.2	5099.2
66°	3387.7	3414.8	3494.6	3601.4	3782.3	4013.3	4286.2	4624.1	4957.8	5142.0	5153.5
67.5°	3190.4	3220.8	3298.9	3425.5	3601.4	3847.2	4140.7	4508.2	4885.5	5100.1	5130.5
70°	2806.5	2841.0	2897.8	3002.2	3175.6	3395.1	3704.2	4033.0	4428.4	4674.2	4711.2
72.5°	2346.2	2376.6	2439.9	2525.4	2667.6	2805.7	3048.2	3290.7	3573.5	3853.8	3826.7
75°	1684.4	1697.6	1735.4	1828.3	1904.7	2028.8	2223.7	2422.6	2615.8	2744.0	2762.1
77.5°	875.5	910.0	963.5	1066.2	1149.2	1261.0	1387.6	1537.3	1678.6	1796.2	1764.1
80°	573.0	587.8	635.5	688.1	748.9	820.4	905.1	961.0	979.1	971.7	979.1
82.5°	330.5	357.6	420.9	461.2	506.4	531.1	598.5	662.6	698.8	653.5	637.1
85°	41.9	54.3	171.0	215.4	246.6	283.6	304.2	342.8	319.8	286.1	348.6
87.5°	9.0	8.2	11.5	24.7	25.5	21.4	40.3	42.7	26.3	13.2	16.4
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	972.5	973.3	975.0	977.4	979.1	980.7	982.4	984.8	986.5	988.1	991.4
5°	968.4	971.7	975.0	978.3	982.4	988.9	993.0	996.3	999.6	1006.2	1008.7
7.5°	965.9	971.7	976.6	982.4	988.9	994.7	1002.1	1006.2	1011.1	1015.2	1020.2
10°	964.3	972.5	977.4	985.6	993.0	998.8	1007.0	1012.0	1017.7	1022.6	1025.1
12.5°	967.6	971.7	976.6	984.8	993.9	1002.1	1011.1	1015.2	1020.2	1024.3	1025.1
15°	981.5	981.5	982.4	988.9	998.0	1004.6	1012.0	1016.1	1018.5	1021.0	1021.0
17.5°	1007.0	1001.3	997.2	998.0	1003.7	1007.8	1012.0	1012.0	1010.3	1009.5	1007.8
20°	1036.6	1029.2	1021.0	1015.2	1013.6	1010.3	1007.8	999.6	993.0	987.3	983.2
22.5°	1079.4	1067.9	1056.3	1045.7	1035.8	1023.5	1009.5	993.0	977.4	966.7	960.2
25°	1132.0	1122.9	1109.0	1092.5	1080.2	1057.2	1039.1	1015.2	995.5	981.5	970.0
27.5°	1206.8	1196.1	1182.9	1168.1	1150.1	1124.6	1102.4	1074.4	1050.6	1030.0	1015.2
30°	1299.7	1285.7	1275.8	1257.8	1245.4	1216.6	1194.5	1159.9	1113.9	1081.0	1060.5
32.5°	1395.0	1379.4	1371.2	1357.2	1343.2	1326.0	1292.3	1238.8	1179.7	1126.2	1090.9
35°	1522.5	1506.0	1491.2	1478.9	1458.3	1426.3	1396.7	1332.6	1251.2	1176.4	1117.2
37.5°	1682.8	1655.6	1618.6	1587.4	1551.2	1505.2	1460.0	1394.2	1301.3	1204.3	1125.4
40°	1853.7	1806.1	1753.5	1695.1	1632.6	1566.0	1514.2	1447.6	1343.2	1228.2	1119.6
42.5°	2032.1	1956.5	1883.3	1801.1	1714.0	1635.1	1567.7	1494.5	1374.5	1234.7	1096.6
45°	2208.9	2124.2	2013.2	1905.5	1795.4	1697.6	1621.9	1539.7	1403.3	1237.2	1066.2
47.5°	2355.2	2268.1	2141.5	2006.6	1875.9	1765.0	1676.2	1587.4	1441.9	1254.5	1058.8
50°	2509.7	2403.7	2263.1	2103.7	1955.7	1831.5	1737.0	1644.9	1496.1	1298.9	1082.7
52.5°	2678.3	2556.6	2392.2	2213.8	2051.9	1912.9	1810.2	1715.6	1565.2	1361.3	1127.9
55°	2883.8	2735.0	2556.6	2355.2	2181.7	2028.0	1914.6	1802.8	1647.4	1435.3	1184.6
57.5°	3197.8	3015.3	2814.7	2585.4	2393.0	2211.3	2075.7	1946.6	1774.8	1545.5	1261.9
60°	3765.9	3571.0	3310.4	3032.6	2806.5	2594.4	2395.5	2235.2	2023.9	1762.5	1432.9
62.5°	4579.7	4320.7	3973.0	3584.2	3288.2	2982.4	2758.0	2519.6	2257.4	1975.4	1634.3
65°	5031.8	4717.8	4252.5	3801.2	3420.6	3088.5	2803.2	2527.0	2236.0	1966.4	1681.1
66°	5087.7	4760.5	4277.2	3802.0	3402.5	3061.4	2761.3	2475.2	2177.6	1920.3	1661.4
67.5°	5064.7	4730.1	4232.0	3730.5	3324.4	2957.8	2647.9	2351.1	2054.3	1814.3	1595.6
70°	4687.4	4370.1	3880.9	3395.1	3009.6	2647.9	2351.9	2060.1	1788.0	1582.5	1421.3
72.5°	3892.5	3621.2	3196.2	2814.7	2512.2	2213.8	1963.1	1684.4	1454.2	1302.1	1206.8
75°	2809.8	2645.4	2258.2	2039.5	1774.0	1575.9	1332.6	1167.3	1002.1	928.1	911.7
77.5°	1774.8	1553.7	1307.9	1076.9	885.4	734.1	571.3	485.0	404.5	396.2	478.4
80°	898.5	808.9	623.1	496.5	417.6	337.9	267.2	202.2	141.4	170.2	203.9
82.5°	588.6	490.8	384.7	316.5	275.4	228.5	177.6	123.3	90.4	101.9	139.8
85°	318.1	271.3	218.7	172.6	139.8	125.0	83.9	59.2	58.4	62.5	79.7
87.5°	23.0	23.0	18.1	16.4	19.7	16.4	14.8	14.8	14.0	14.8	19.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	993.0	995.5	996.3	1000.4	1002.9	1004.6	1006.2	1006.2	1007.0	1009.5	1010.3
5°	1012.0	1016.1	1021.0	1024.3	1025.9	1030.9	1032.5	1032.5	1034.2	1037.4	1039.9
7.5°	1023.5	1029.2	1034.2	1035.8	1039.1	1040.7	1043.2	1044.8	1044.8	1048.1	1049.8
10°	1027.6	1030.9	1035.8	1035.8	1039.1	1039.1	1041.6	1042.4	1042.4	1045.7	1048.1
12.5°	1027.6	1029.2	1033.3	1033.3	1035.8	1036.6	1039.9	1042.4	1043.2	1047.3	1050.6
15°	1022.6	1024.3	1027.6	1028.4	1034.2	1037.4	1044.8	1049.8	1049.8	1053.9	1055.5
17.5°	1008.7	1012.8	1019.4	1025.9	1036.6	1044.0	1053.1	1057.2	1053.9	1051.4	1048.9
20°	985.6	993.0	1008.7	1025.1	1044.0	1053.9	1058.8	1054.7	1043.2	1031.7	1024.3
22.5°	962.6	977.4	1003.7	1028.4	1049.8	1056.3	1053.9	1039.1	1020.2	1006.2	996.3
25°	973.3	990.6	1016.1	1038.3	1052.2	1050.6	1040.7	1020.2	999.6	981.5	965.1
27.5°	1017.7	1036.6	1050.6	1058.0	1056.3	1044.8	1029.2	1006.2	981.5	957.7	934.7
30°	1059.6	1069.5	1072.8	1067.0	1053.9	1035.0	1015.2	988.9	956.1	926.5	900.2
32.5°	1078.5	1068.7	1053.1	1037.4	1016.1	999.6	972.5	943.7	902.6	867.3	841.0
35°	1078.5	1039.1	999.6	966.7	934.7	914.1	882.9	844.3	806.4	776.8	756.3
37.5°	1054.7	979.1	914.1	860.7	820.4	798.2	751.4	716.8	684.8	674.9	661.8
40°	1011.1	899.3	805.6	735.7	684.8	651.9	605.0	581.2	568.9	563.9	561.5
42.5°	952.8	810.6	685.6	599.3	544.2	507.2	476.0	461.2	460.4	459.5	459.5
45°	890.3	715.2	568.9	466.1	417.6	384.7	369.9	364.2	369.1	368.3	369.1
47.5°	851.7	642.9	462.0	352.7	315.7	294.3	286.9	289.4	293.5	291.8	291.8
50°	846.7	605.9	390.5	274.6	246.6	235.9	234.3	234.3	236.8	235.1	234.3
52.5°	864.8	600.1	353.5	235.9	213.7	204.7	203.0	202.2	201.4	196.5	192.4
55°	896.0	613.3	342.8	226.1	203.0	193.2	190.7	189.1	185.8	179.2	171.8
57.5°	958.5	654.4	352.7	231.0	206.3	198.1	195.7	195.7	189.1	178.4	167.7
60°	1109.0	758.8	392.9	249.9	222.0	213.7	215.4	214.6	204.7	189.1	172.6
62.5°	1303.0	895.2	445.6	276.2	241.7	240.0	248.3	246.6	230.2	206.3	182.5
65°	1392.6	959.3	460.4	282.0	245.8	253.2	269.6	268.0	247.4	214.6	184.1
66°	1394.2	959.3	453.8	277.0	240.0	249.1	265.5	264.7	244.2	211.3	180.9
67.5°	1360.5	933.0	434.9	267.2	228.5	235.1	249.9	249.1	230.2	203.0	174.3
70°	1233.9	835.2	386.4	249.9	212.9	209.6	214.6	211.3	198.9	180.0	160.3
72.5°	1057.2	701.2	337.0	236.8	202.2	189.1	185.8	183.3	173.5	162.8	150.4
75°	832.7	554.9	295.9	226.9	192.4	175.1	169.3	166.1	159.5	152.1	142.2
77.5°	513.8	397.1	258.1	213.7	185.0	167.7	163.6	158.7	148.8	139.8	132.4
80°	229.4	245.8	212.1	186.6	165.2	149.6	143.0	135.6	125.8	120.0	115.9
82.5°	152.9	158.7	153.7	139.8	125.0	112.6	102.8	102.8	101.1	96.2	94.5
85°	97.8	98.6	95.4	86.3	80.6	73.2	69.1	69.9	73.2	72.3	71.5
87.5°	22.2	22.2	26.3	24.7	28.8	30.4	32.9	35.3	40.3	40.3	42.7
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):

	160°	165°	170°	175°	180°
0°	982.4	982.4	982.4	982.4	982.4
2.5°	1011.1	1012.8	1014.4	1012.0	1012.8
5°	1039.9	1039.1	1043.2	1040.7	1042.4
7.5°	1048.9	1049.8	1053.1	1053.1	1053.9
10°	1049.8	1051.4	1055.5	1058.0	1059.6
12.5°	1053.9	1057.2	1063.7	1065.4	1065.4
15°	1057.2	1058.8	1062.9	1064.6	1066.2
17.5°	1045.7	1042.4	1044.0	1044.8	1044.0
20°	1016.9	1013.6	1012.8	1009.5	1011.1
22.5°	985.6	976.6	970.9	964.3	964.3
25°	947.8	933.9	922.4	910.8	913.3
27.5°	912.5	894.4	882.9	875.5	873.8
30°	878.0	859.1	848.4	839.3	839.3
32.5°	820.4	807.3	793.3	787.5	786.7
35°	740.7	732.5	720.9	718.5	714.4
37.5°	651.1	648.6	638.7	637.9	633.8
40°	557.4	559.0	555.7	554.1	551.6
42.5°	463.6	471.9	470.2	469.4	467.8
45°	374.0	379.8	380.6	383.1	387.2
47.5°	294.3	295.9	297.6	296.8	297.6
50°	230.2	226.1	225.2	222.8	225.2
52.5°	185.8	179.2	175.9	172.6	171.0
55°	163.6	157.0	153.7	152.1	150.4
57.5°	157.8	151.3	146.3	143.0	142.2
60°	159.5	149.6	143.0	138.9	138.1
62.5°	163.6	150.4	141.4	137.3	136.5
65°	162.8	148.8	140.6	135.6	134.8
66°	160.3	147.1	138.9	134.8	134.0
67.5°	156.2	144.7	137.3	134.0	132.4
70°	148.8	141.4	135.6	131.5	129.9
72.5°	142.2	136.5	131.5	127.4	126.6
75°	134.8	129.9	125.0	121.7	120.8
77.5°	125.8	120.8	117.6	115.1	114.3
80°	111.0	107.7	104.4	101.1	101.1
82.5°	92.1	89.6	86.3	83.9	83.0
85°	70.7	70.7	68.2	65.8	64.9
87.5°	41.9	41.1	41.1	38.6	38.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)