

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: P181408

Luminaire Tested: **ICS-E04-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181408
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E04-LED-E1-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5360.9 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 97.2
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



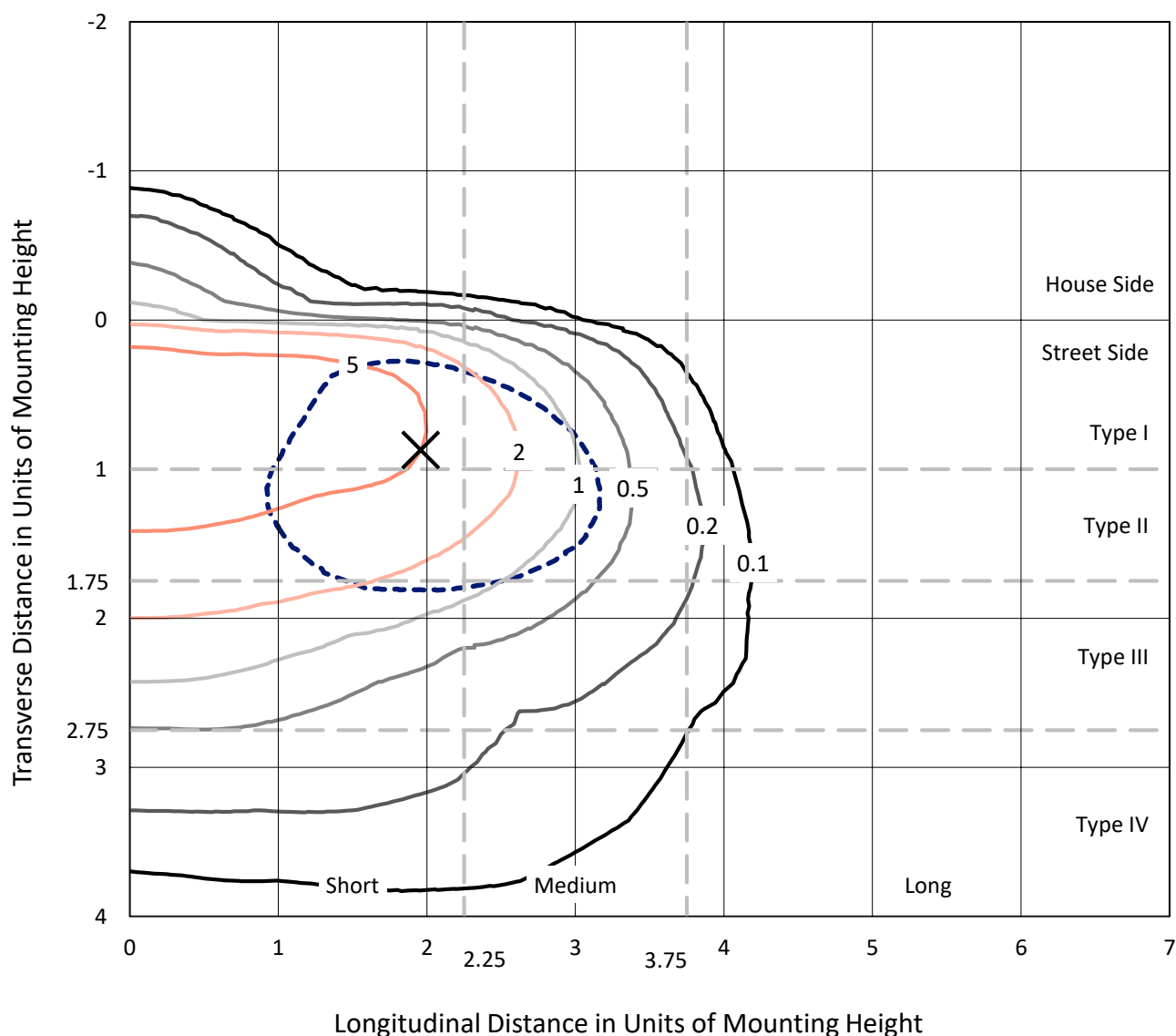
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

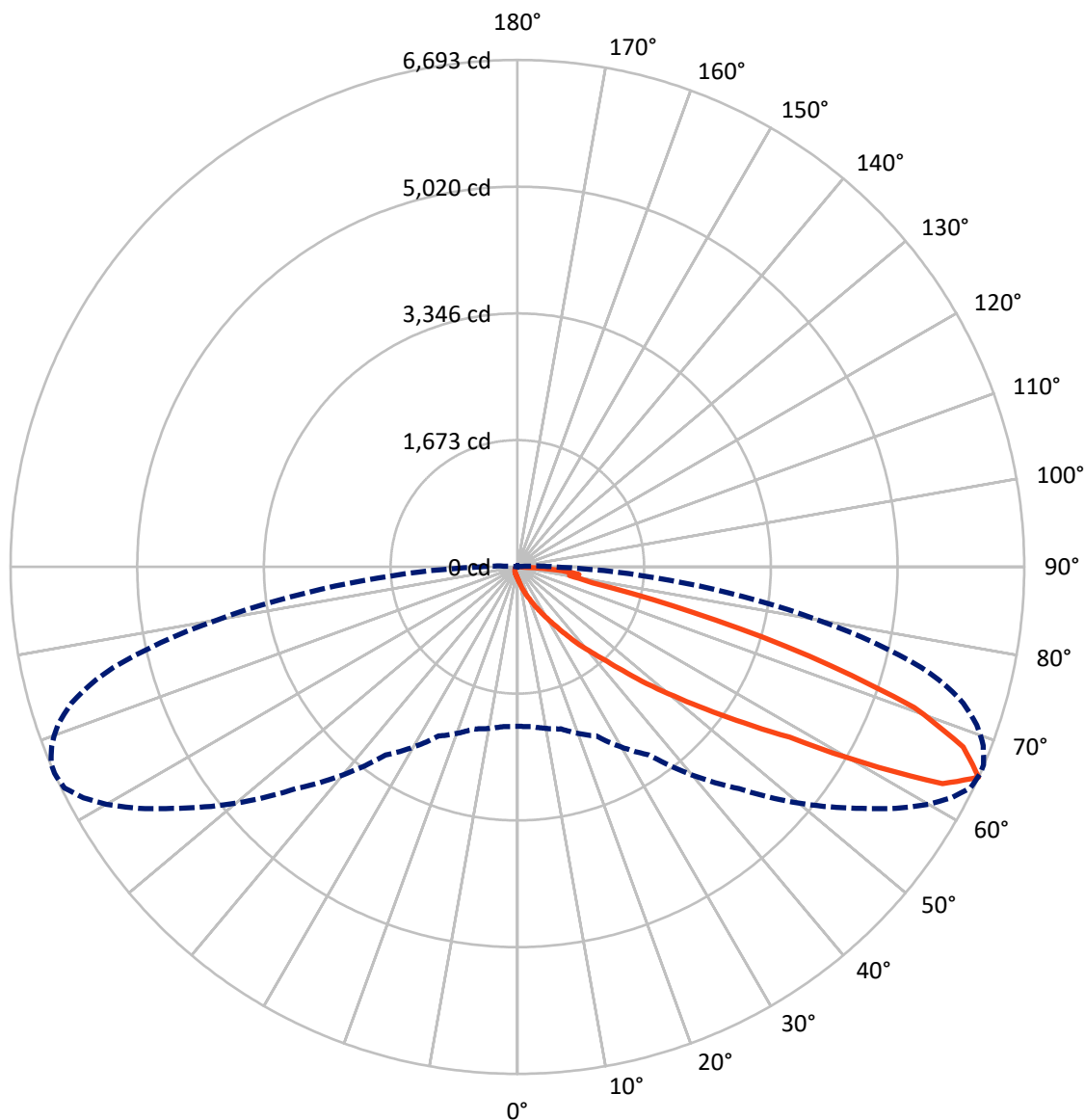


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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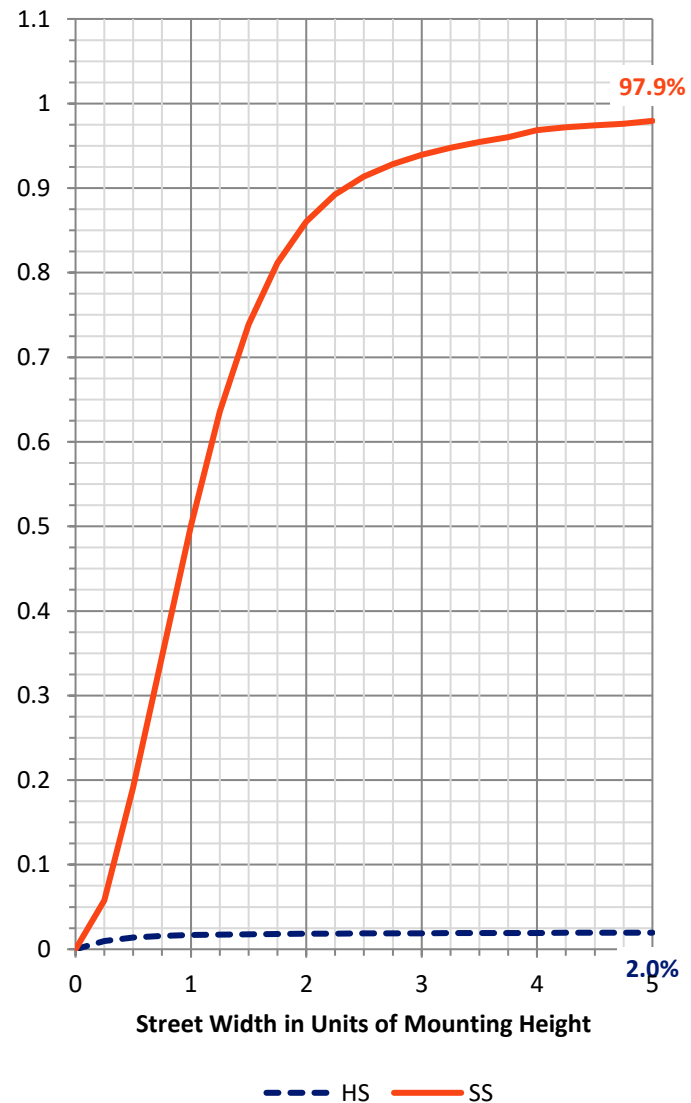
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.7	0.0	107.7
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	5253.2	0.0	5253.2
	% Fixture	98.0	0.0	98.0
Total	Lumens	5360.9	0.0	5360.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.3
10°-20°	87.2	1.6
20°-30°	199.1	3.7
30°-40°	378.8	7.1
40°-50°	760.4	14.2
50°-60°	1345.4	25.1
60°-70°	1757.9	32.8
70°-80°	722.8	13.5
80°-90°	91.1	1.7
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°	5360.9	100.0
0°-180°	5360.9	100.0

Coefficient of Utilization



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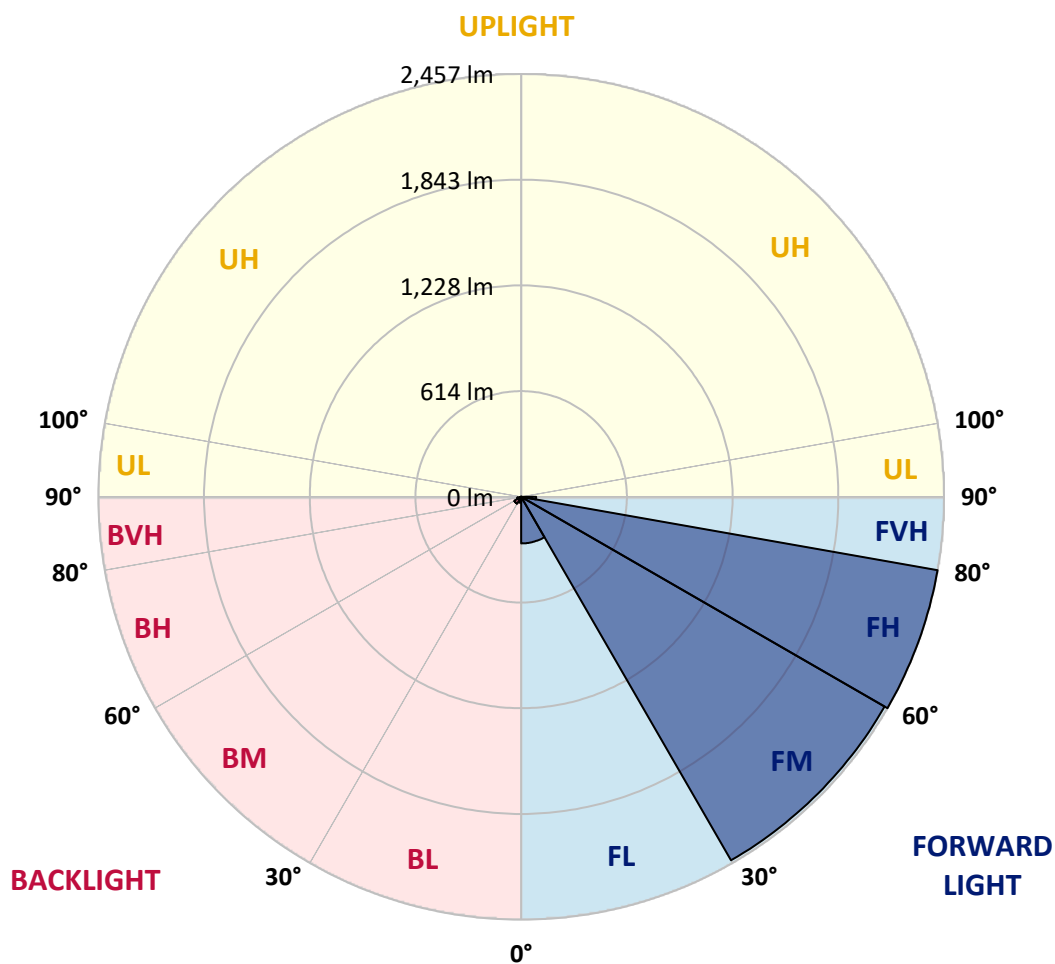
CATALOG NUMBER: ICS-E04-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.9	5.1			
FM	(30°-60°)	2438.5	45.5			
FH	(60°-80°)	2456.9	45.8			G2/5000
FVH	(80°-90°)	87.0	1.6			G1/100
BL	(0°-30°)	33.7	0.6	B0/110		
BM	(30°-60°)	46.1	0.9	B0/220		
BH	(60°-80°)	23.8	0.4	B0/110		G0/110
BVH	(80°-90°)	4.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	197.3	194.0	195.1	188.5	184.1	178.7	174.3	173.2	172.1	169.9	171.0
5°	283.9	280.6	272.9	259.8	247.7	229.1	210.4	209.4	206.1	202.8	200.6
7.5°	394.6	389.1	380.3	358.4	328.8	295.9	258.7	255.4	251.0	246.6	242.2
10°	522.8	519.5	503.1	477.9	433.0	379.2	316.8	313.5	303.6	298.1	293.7
12.5°	657.6	643.4	636.8	593.0	541.5	468.0	388.0	376.0	368.3	360.6	349.6
15°	759.6	761.8	746.4	711.4	651.1	565.6	465.8	452.7	441.7	427.5	414.3
17.5°	851.7	847.3	830.8	808.9	751.9	665.3	549.1	531.6	514.1	506.4	487.8
20°	926.2	924.0	910.8	890.0	846.2	762.9	636.8	622.6	602.8	589.7	568.9
22.5°	985.4	985.4	977.7	965.6	922.9	856.0	730.0	714.6	694.9	678.5	655.5
25°	1032.5	1031.4	1032.5	1027.0	998.5	937.1	825.3	807.8	791.4	771.6	749.7
27.5°	1086.2	1088.4	1086.2	1082.9	1070.9	1021.5	921.8	909.7	891.1	870.3	848.4
30°	1169.5	1162.9	1161.8	1159.7	1145.4	1114.7	1021.5	1007.3	993.0	978.8	963.5
32.5°	1257.2	1246.2	1243.0	1243.0	1233.1	1205.7	1136.6	1129.0	1108.1	1097.2	1084.0
35°	1356.9	1352.6	1348.2	1349.3	1344.9	1316.4	1259.4	1261.6	1255.0	1233.1	1219.9
37.5°	1502.7	1503.8	1496.1	1481.9	1481.9	1456.7	1423.8	1419.4	1403.0	1397.5	1389.8
40°	1711.0	1705.5	1698.9	1678.1	1670.4	1627.7	1597.0	1586.0	1572.9	1571.8	1563.0
42.5°	1952.1	1945.5	1945.5	1930.2	1914.9	1863.3	1805.2	1797.6	1783.3	1787.7	1784.4
45°	2175.7	2181.2	2188.9	2199.8	2202.0	2180.1	2095.7	2085.8	2078.2	2073.8	2070.5
47.5°	2368.6	2378.5	2403.7	2450.8	2511.1	2518.8	2451.9	2425.6	2420.1	2412.5	2405.9
50°	2506.7	2521.0	2578.0	2670.1	2787.3	2859.7	2823.5	2801.6	2800.5	2779.7	2777.5
52.5°	2585.7	2601.0	2694.2	2833.4	3015.3	3156.7	3201.6	3200.6	3198.4	3179.7	3172.1
55°	2603.2	2619.6	2731.4	2921.1	3180.8	3425.3	3597.3	3601.7	3611.6	3606.1	3606.1
57.5°	2555.0	2575.8	2697.5	2932.0	3267.4	3637.9	4013.8	4039.1	4051.1	4093.9	4143.2
60°	2466.2	2481.5	2603.2	2865.2	3282.8	3831.9	4555.3	4635.3	4697.8	4782.2	4862.2
62.5°	2301.8	2332.5	2448.6	2733.6	3236.7	4055.5	5202.0	5350.0	5471.6	5599.9	5754.4
65°	2102.3	2115.4	2214.1	2462.9	3030.7	4141.0	5559.3	5704.0	5859.6	5996.7	6134.8
67.5°	1852.4	1863.3	1948.8	2055.2	2501.3	3740.9	5207.5	5367.5	5507.8	5620.7	5801.6
70°	1213.4	1237.5	1446.8	1552.0	1748.2	2765.4	4258.3	4412.8	4520.2	4597.0	4806.3
72.5°	888.9	904.3	988.7	1205.7	1253.9	1634.3	2996.7	3164.4	3203.8	3348.5	3446.1
75°	542.6	580.9	771.6	1032.5	1222.1	1119.1	1795.4	1876.5	1967.5	2072.7	2165.9
77.5°	109.6	125.0	252.1	711.4	1075.3	1195.8	1072.0	1087.3	1132.3	1142.1	1177.2
80°	17.5	18.6	32.9	306.9	622.6	966.7	1072.0	1057.7	1032.5	1015.0	997.4
82.5°	7.7	8.8	14.2	77.8	132.6	322.2	927.3	999.6	1082.9	1129.0	1141.0
85°	3.3	3.3	5.5	15.3	19.7	21.9	156.7	207.2	369.4	491.0	565.6
87.5°	2.2	2.2	3.3	3.3	4.4	5.5	7.7	7.7	8.8	9.9	14.2
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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CATALOG NUMBER: ICS-E04-LED-E1-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	171.0	169.9	169.9	166.6	166.6	165.5	165.5	164.4	164.4	162.2	163.3
5°	199.5	197.3	195.1	191.8	190.7	188.5	186.3	183.0	181.9	179.8	178.7
7.5°	237.8	235.7	231.3	224.7	220.3	215.9	211.5	207.2	203.9	200.6	198.4
10°	285.0	278.4	276.2	263.1	257.6	248.8	243.3	238.9	232.4	226.9	223.6
12.5°	342.0	336.5	325.5	308.0	299.2	291.6	281.7	272.9	266.3	256.5	249.9
15°	401.2	396.8	381.4	361.7	350.7	336.5	326.6	317.9	303.6	297.0	285.0
17.5°	475.7	462.5	447.2	418.7	404.5	392.4	374.9	361.7	352.9	333.2	322.2
20°	552.4	538.2	518.4	486.7	466.9	448.3	434.0	416.5	397.9	384.7	366.1
22.5°	640.1	617.1	601.7	562.3	539.3	519.5	495.4	476.8	458.2	437.3	416.5
25°	733.3	710.3	691.6	646.7	622.6	602.8	574.3	548.0	525.0	502.0	477.9
27.5°	830.8	810.0	789.2	743.1	722.3	694.9	668.6	637.9	608.3	587.5	554.6
30°	943.7	926.2	903.2	853.8	830.8	802.3	774.9	738.8	710.3	681.8	650.0
32.5°	1065.4	1051.1	1027.0	983.2	955.8	931.7	902.1	867.0	826.4	796.9	759.6
35°	1213.4	1189.2	1175.0	1133.3	1112.5	1086.2	1055.5	1024.8	982.1	940.4	908.7
37.5°	1382.2	1371.2	1352.6	1313.1	1297.8	1270.4	1250.6	1219.9	1187.1	1134.4	1100.5
40°	1555.3	1547.7	1531.2	1491.8	1476.4	1457.8	1434.8	1405.2	1365.7	1338.3	1287.9
42.5°	1775.6	1763.6	1750.4	1713.2	1683.6	1660.6	1650.7	1625.5	1583.8	1548.8	1509.3
45°	2055.2	2049.7	2032.1	1994.9	1965.3	1949.9	1934.6	1891.8	1864.4	1829.4	1802.0
47.5°	2392.7	2375.2	2366.4	2324.8	2314.9	2302.9	2263.4	2239.3	2199.8	2172.4	2138.5
50°	2757.7	2739.1	2740.2	2689.8	2692.0	2683.2	2653.6	2625.1	2591.1	2567.0	2546.2
52.5°	3150.1	3158.9	3137.0	3152.3	3134.8	3115.1	3109.6	3074.5	3044.9	3043.8	3015.3
55°	3632.4	3618.2	3623.6	3639.0	3614.9	3636.8	3625.8	3580.9	3582.0	3590.8	3557.9
57.5°	4150.9	4171.7	4216.6	4226.5	4268.1	4239.6	4314.2	4260.5	4293.3	4293.3	4271.4
60°	4911.5	4994.8	5103.3	5187.7	5265.6	5240.4	5337.9	5276.5	5320.4	5283.1	5264.5
62.5°	5827.9	5938.6	6066.8	6203.8	6282.7	6302.5	6288.2	6315.6	6272.9	6245.5	6174.2
65°	6268.5	6378.1	6489.9	6654.3	6676.2	6692.7	6686.1	6640.1	6587.4	6509.6	6416.5
67.5°	5902.4	6055.8	6118.3	6307.9	6371.5	6348.5	6356.2	6297.0	6214.8	6138.0	6001.0
70°	4894.0	5069.4	5102.3	5374.1	5449.7	5559.3	5519.9	5502.3	5412.4	5347.8	5196.5
72.5°	3563.4	3700.4	3689.4	3995.2	3982.1	4027.0	4133.3	4128.9	4034.7	4013.8	3886.7
75°	2193.3	2275.5	2271.1	2488.1	2397.1	2384.0	2413.6	2400.4	2311.6	2219.6	2140.6
77.5°	1161.8	1199.1	1159.7	1095.0	1088.4	1015.0	994.1	993.0	925.1	841.8	780.4
80°	978.8	940.4	894.4	800.1	745.3	696.0	650.0	607.2	561.2	499.8	425.3
82.5°	1143.2	1124.6	1091.7	973.3	916.3	817.7	744.2	675.2	590.8	527.2	431.9
85°	556.8	555.7	582.0	570.0	549.1	544.8	472.4	457.1	423.1	388.0	324.4
87.5°	15.3	11.0	13.2	11.0	13.2	14.2	9.9	23.0	14.2	13.2	15.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	162.2	161.1	160.0	160.0	158.9	158.9	157.8	156.7	156.7	155.6	155.6
5°	176.5	174.3	173.2	172.1	169.9	168.8	166.6	165.5	163.3	162.2	160.0
7.5°	194.0	191.8	187.4	185.2	181.9	180.9	175.4	173.2	171.0	168.8	165.5
10°	215.9	210.4	206.1	201.7	196.2	191.8	187.4	184.1	179.8	174.3	172.1
12.5°	243.3	235.7	229.1	221.4	214.8	208.3	200.6	195.1	188.5	183.0	177.6
15°	274.0	263.1	254.3	243.3	232.4	224.7	217.0	209.4	200.6	192.9	186.3
17.5°	309.1	294.8	282.8	269.6	257.6	246.6	233.5	223.6	213.7	202.8	194.0
20°	346.4	332.1	315.7	301.4	283.9	271.8	255.4	242.2	228.0	217.0	205.0
22.5°	395.7	377.1	356.2	336.5	317.9	299.2	281.7	265.3	247.7	231.3	219.2
25°	453.8	430.8	404.5	384.7	358.4	337.6	315.7	294.8	276.2	255.4	235.7
27.5°	526.1	495.4	466.9	439.5	411.0	384.7	356.2	332.1	306.9	282.8	260.9
30°	610.5	580.9	538.2	507.5	479.0	442.8	414.3	382.5	354.0	319.0	294.8
32.5°	722.3	684.0	639.0	598.5	561.2	520.6	481.2	440.6	403.4	371.6	335.4
35°	868.1	823.2	769.4	717.9	676.3	627.0	576.5	530.5	487.8	441.7	396.8
37.5°	1052.2	1010.6	952.5	890.0	834.1	774.9	722.3	657.6	600.7	544.8	487.8
40°	1235.3	1196.9	1136.6	1069.8	997.4	929.5	862.6	789.2	716.8	646.7	587.5
42.5°	1461.1	1404.1	1339.4	1263.8	1193.6	1112.5	1029.2	944.8	858.2	773.8	689.4
45°	1745.0	1701.1	1610.1	1529.0	1445.7	1350.4	1247.3	1150.9	1040.2	940.4	828.6
47.5°	2090.2	2011.3	1944.4	1869.9	1765.8	1673.7	1542.2	1428.2	1290.1	1157.5	1023.7
50°	2498.0	2454.1	2365.3	2272.2	2159.3	2049.7	1921.4	1757.0	1591.5	1450.1	1267.1
52.5°	2974.8	2912.3	2856.4	2759.9	2644.8	2504.5	2358.8	2180.1	1977.3	1777.8	1582.7
55°	3540.3	3496.5	3442.8	3366.1	3219.2	3060.3	2884.9	2671.1	2431.1	2162.6	1935.7
57.5°	4270.3	4224.3	4172.8	4014.9	3915.2	3720.1	3465.8	3244.4	2985.7	2641.6	2359.9
60°	5266.7	5204.2	5131.8	5003.6	4795.4	4542.2	4269.2	3941.5	3624.7	3248.8	2879.4
62.5°	6118.3	6018.6	5864.0	5698.5	5448.6	5158.2	4815.1	4429.3	4068.6	3645.6	3234.5
65°	6293.7	6156.7	5974.7	5758.8	5501.2	5173.5	4815.1	4445.7	4021.5	3623.6	3210.4
67.5°	5837.7	5678.8	5492.5	5251.3	5005.8	4668.2	4359.1	3983.2	3584.2	3240.0	2870.6
70°	5088.0	4852.3	4661.6	4405.1	4156.3	3891.1	3565.5	3283.9	2959.4	2642.6	2359.9
72.5°	3820.9	3588.6	3415.4	3210.4	3062.4	2781.9	2542.9	2332.5	2140.6	1903.9	1694.5
75°	2059.5	1885.3	1769.1	1675.9	1543.3	1358.0	1244.1	1099.4	1018.3	919.6	824.3
77.5°	671.9	591.9	505.3	420.9	361.7	271.8	263.1	209.4	197.3	191.8	148.0
80°	344.2	265.3	191.8	138.1	105.2	93.2	88.8	84.4	80.0	76.7	71.2
82.5°	345.3	249.9	172.1	119.5	86.6	72.3	68.0	65.8	62.5	59.2	54.8
85°	252.1	186.3	128.2	87.7	60.3	48.2	46.0	42.7	40.6	39.5	35.1
87.5°	16.4	12.1	11.0	9.9	9.9	9.9	11.0	9.9	11.0	11.0	9.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	154.5	153.5	153.5	152.4	151.3	151.3	150.2	150.2	146.9	141.4	137.0
5°	158.9	156.7	155.6	154.5	153.5	151.3	150.2	149.1	143.6	132.6	123.9
7.5°	162.2	160.0	158.9	156.7	153.5	152.4	150.2	148.0	139.2	123.9	114.0
10°	167.7	164.4	161.1	157.8	154.5	152.4	149.1	146.9	133.7	116.2	106.3
12.5°	173.2	168.8	164.4	158.9	155.6	152.4	149.1	144.7	129.3	109.6	98.6
15°	179.8	173.2	167.7	162.2	156.7	152.4	146.9	143.6	125.0	104.1	94.3
17.5°	186.3	178.7	171.0	163.3	157.8	151.3	146.9	141.4	120.6	99.7	88.8
20°	194.0	183.0	175.4	166.6	158.9	151.3	144.7	139.2	116.2	94.3	83.3
22.5°	205.0	191.8	179.8	169.9	160.0	152.4	144.7	137.0	111.8	89.9	78.9
25°	219.2	202.8	188.5	176.5	164.4	154.5	145.8	138.1	108.5	86.6	73.4
27.5°	240.0	219.2	203.9	187.4	172.1	160.0	149.1	140.3	106.3	83.3	70.1
30°	265.3	244.4	220.3	200.6	184.1	167.7	155.6	142.5	104.1	80.0	65.8
32.5°	302.5	272.9	244.4	220.3	197.3	178.7	161.1	148.0	103.0	74.5	61.4
35°	356.2	315.7	281.7	249.9	218.1	195.1	174.3	156.7	101.9	70.1	57.0
37.5°	433.0	384.7	340.9	295.9	256.5	223.6	195.1	172.1	101.9	66.9	52.6
40°	515.2	452.7	396.8	340.9	290.5	248.8	210.4	181.9	99.7	62.5	48.2
42.5°	608.3	531.6	454.9	385.8	323.3	269.6	224.7	189.6	94.3	58.1	43.8
45°	733.3	632.4	540.4	451.6	370.5	300.3	243.3	198.4	88.8	54.8	39.5
47.5°	890.0	772.7	653.3	541.5	435.1	346.4	270.7	212.6	85.5	50.4	36.2
50°	1123.5	956.9	799.0	656.6	521.7	405.5	311.3	233.5	82.2	47.1	32.9
52.5°	1380.0	1175.0	989.8	806.7	639.0	485.6	358.4	260.9	78.9	43.8	29.6
55°	1692.3	1440.2	1214.5	976.6	761.8	578.7	416.5	291.6	74.5	40.6	27.4
57.5°	2078.2	1759.2	1491.8	1201.3	931.7	699.3	494.3	343.1	70.1	36.2	24.1
60°	2508.9	2148.3	1811.8	1470.9	1144.3	859.3	609.4	416.5	65.8	31.8	20.8
62.5°	2819.1	2423.4	2038.7	1656.2	1297.8	978.8	702.6	473.5	59.2	27.4	18.6
65°	2815.8	2414.7	2027.7	1650.7	1302.1	983.2	705.9	484.5	52.6	24.1	16.4
67.5°	2508.9	2171.3	1826.1	1487.4	1182.7	894.4	653.3	449.4	44.9	21.9	14.2
70°	2063.9	1795.4	1522.5	1253.9	1009.5	766.2	564.5	391.3	38.4	19.7	12.1
72.5°	1507.1	1310.9	1144.3	954.7	788.1	605.0	450.5	306.9	30.7	16.4	11.0
75°	748.6	669.7	574.3	515.2	439.5	359.5	279.5	178.7	25.2	13.2	9.9
77.5°	142.5	127.1	121.7	105.2	96.5	85.5	75.6	53.7	19.7	9.9	8.8
80°	65.8	60.3	54.8	49.3	43.8	37.3	32.9	28.5	15.3	7.7	9.9
82.5°	51.5	47.1	41.7	37.3	32.9	28.5	24.1	20.8	9.9	6.6	9.9
85°	34.0	29.6	26.3	23.0	19.7	17.5	15.3	13.2	6.6	6.6	6.6
87.5°	9.9	9.9	8.8	8.8	7.7	7.7	6.6	6.6	5.5	5.5	5.5
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):

	125°	135°	145°	155°	165°	175°	180°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	132.6	127.1	125.0	123.9	123.9	125.0	123.9
5°	117.3	111.8	109.6	107.4	107.4	107.4	108.5
7.5°	107.4	101.9	98.6	97.6	96.5	97.6	97.6
10°	98.6	94.3	89.9	87.7	87.7	87.7	87.7
12.5°	92.1	86.6	82.2	81.1	80.0	80.0	80.0
15°	86.6	80.0	76.7	74.5	73.4	73.4	74.5
17.5°	80.0	74.5	70.1	69.1	69.1	69.1	69.1
20°	75.6	69.1	65.8	63.6	63.6	63.6	63.6
22.5°	70.1	64.7	60.3	58.1	58.1	58.1	58.1
25°	65.8	60.3	55.9	53.7	53.7	53.7	53.7
27.5°	61.4	55.9	51.5	49.3	49.3	49.3	49.3
30°	57.0	51.5	47.1	44.9	44.9	44.9	44.9
32.5°	53.7	47.1	42.7	40.6	40.6	41.7	40.6
35°	48.2	42.7	38.4	36.2	36.2	36.2	36.2
37.5°	43.8	38.4	34.0	31.8	31.8	31.8	30.7
40°	40.6	34.0	29.6	27.4	26.3	26.3	26.3
42.5°	35.1	28.5	25.2	23.0	21.9	21.9	21.9
45°	31.8	25.2	20.8	18.6	18.6	18.6	18.6
47.5°	28.5	21.9	17.5	15.3	15.3	16.4	16.4
50°	25.2	18.6	14.2	14.2	14.2	15.3	15.3
52.5°	21.9	16.4	13.2	13.2	14.2	15.3	15.3
55°	19.7	14.2	12.1	13.2	14.2	15.3	15.3
57.5°	17.5	12.1	12.1	13.2	14.2	15.3	15.3
60°	15.3	11.0	11.0	12.1	14.2	15.3	15.3
62.5°	13.2	11.0	11.0	12.1	14.2	15.3	15.3
65°	12.1	11.0	11.0	12.1	14.2	15.3	15.3
67.5°	11.0	9.9	11.0	12.1	13.2	14.2	14.2
70°	9.9	9.9	11.0	12.1	13.2	14.2	14.2
72.5°	9.9	9.9	9.9	11.0	12.1	13.2	13.2
75°	9.9	9.9	9.9	11.0	12.1	13.2	13.2
77.5°	9.9	8.8	8.8	9.9	12.1	13.2	13.2
80°	9.9	8.8	8.8	9.9	11.0	13.2	13.2
82.5°	7.7	7.7	8.8	9.9	11.0	12.1	12.1
85°	6.6	7.7	7.7	8.8	9.9	12.1	12.1
87.5°	5.5	5.5	6.6	7.7	8.8	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)