

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: P180442

Luminaire Tested: **ICS-F03-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180442
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-SL2-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3733 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

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

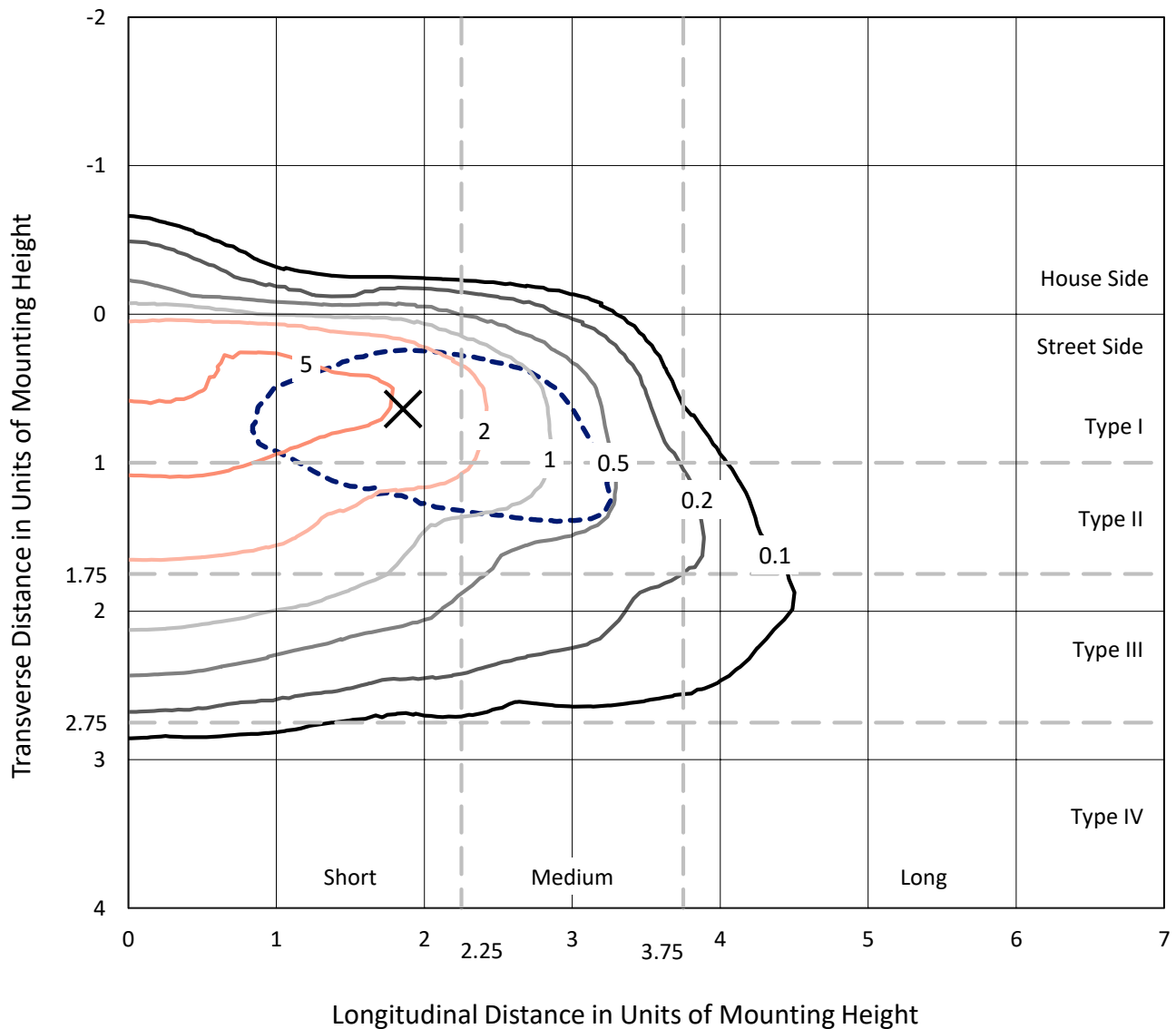


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

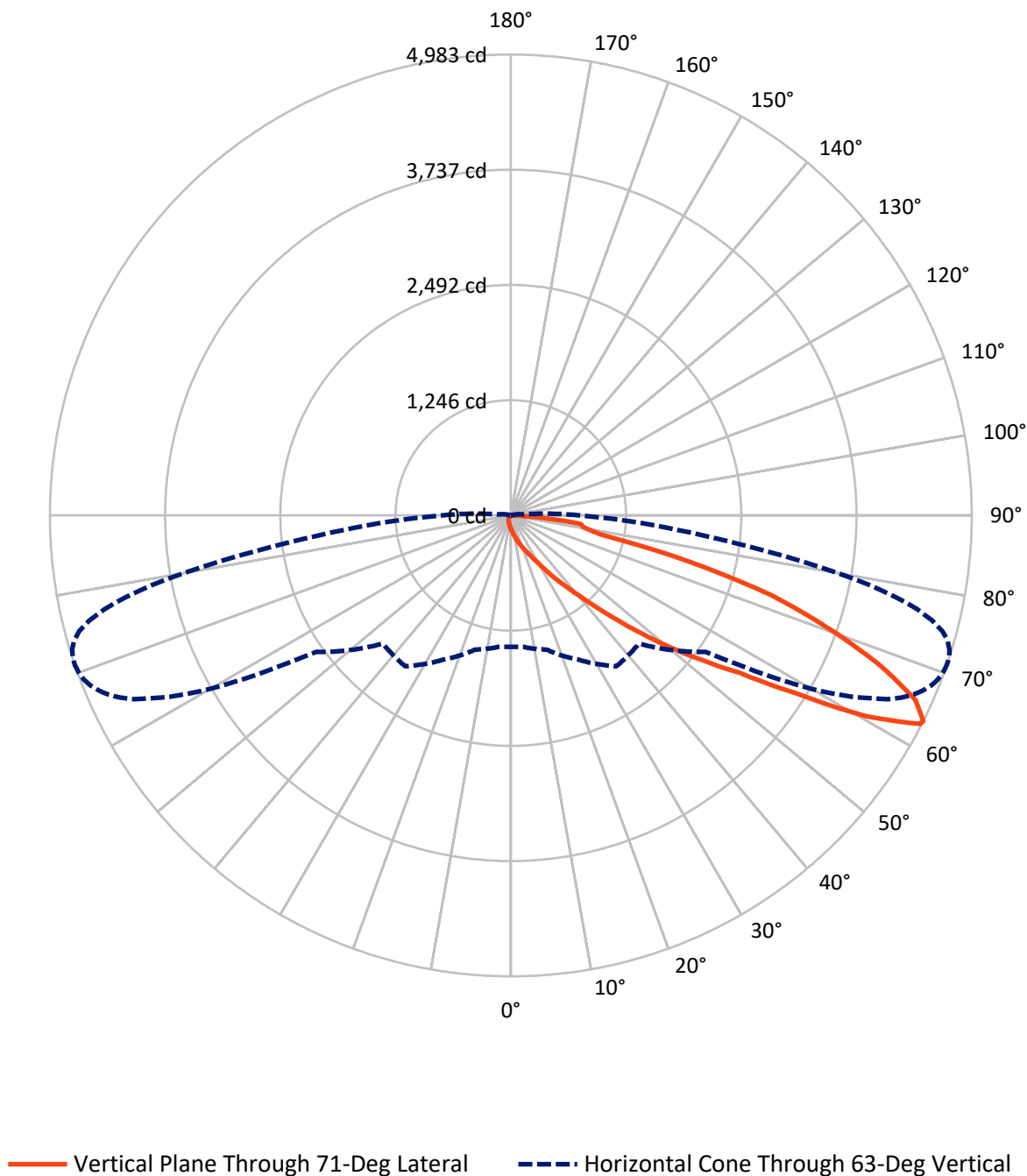


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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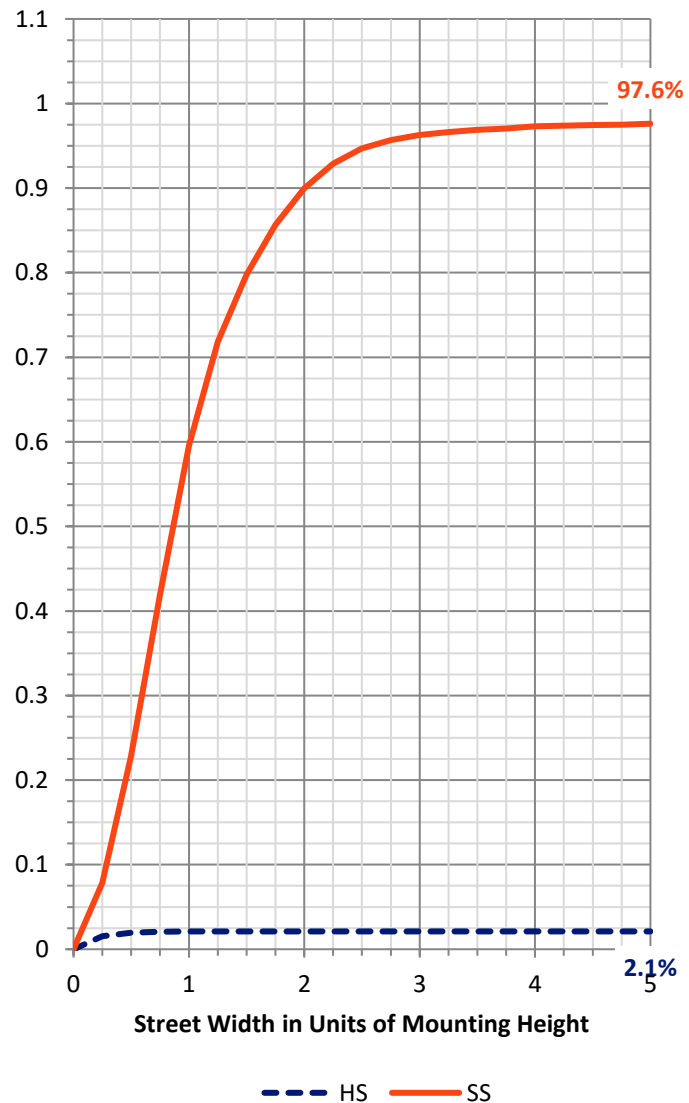
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.3	0.0	79.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	3653.7	0.0	3653.7
	% Fixture	97.9	0.0	97.9
Total	Lumens	3733.0	0.0	3733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.4
10°-20°	61.4	1.6
20°-30°	124.7	3.3
30°-40°	304.6	8.2
40°-50°	681.2	18.2
50°-60°	957.8	25.7
60°-70°	1126.3	30.2
70°-80°	406.7	10.9
80°-90°	54.4	1.5
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°	3733.0	100.0
0°-180°	3733.0	100.0

Coefficient of Utilization



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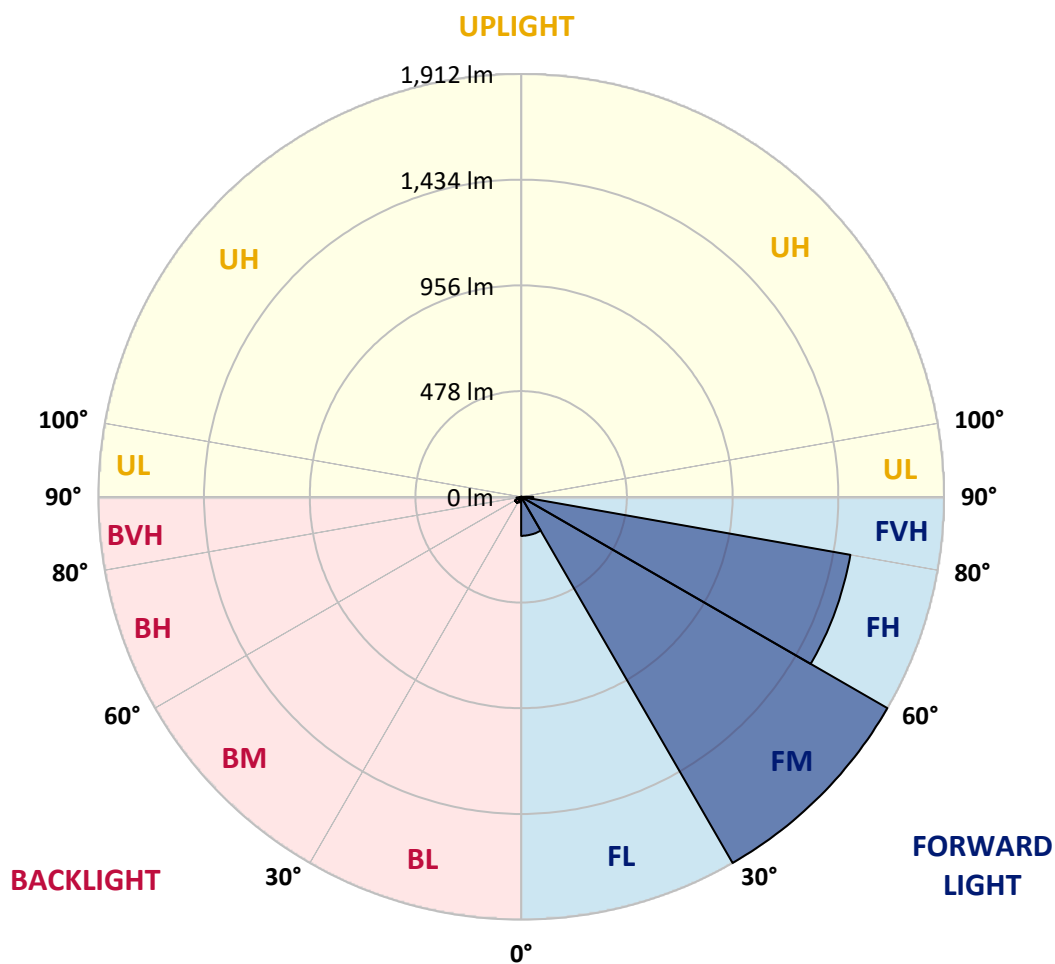
CATALOG NUMBER: ICS-F03-LED-E1-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.4	4.7			
FM	(30°-60°)	1911.7	51.2			
FH	(60°-80°)	1511.3	40.5			G1/1800
FVH	(80°-90°)	54.3	1.5			G1/100
BL	(0°-30°)	25.5	0.7	B0/110		
BM	(30°-60°)	31.9	0.9	B0/220		
BH	(60°-80°)	21.7	0.6	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	187.3	189.3	188.0	184.6	180.5	175.1	170.3	170.3	169.7	167.6	168.3
5°	245.7	246.3	243.6	235.5	228.0	216.5	203.6	202.2	200.9	198.8	198.2
7.5°	302.7	305.4	302.7	293.8	278.9	261.3	240.9	238.9	234.8	234.8	232.1
10°	361.0	361.0	358.3	348.1	334.6	309.5	283.7	280.3	275.5	274.2	270.1
12.5°	402.4	402.4	401.1	395.6	384.8	362.4	331.2	327.8	321.7	319.6	314.9
15°	418.7	418.7	419.4	424.1	424.8	414.6	382.1	379.4	373.2	367.8	365.8
17.5°	428.9	428.2	428.2	435.0	447.2	454.0	433.0	430.3	423.5	420.8	414.0
20°	451.3	449.9	445.9	445.9	457.4	481.1	481.1	480.5	473.0	471.0	467.6
22.5°	484.5	483.2	471.0	460.8	466.2	496.1	523.9	522.5	519.8	517.1	515.1
25°	538.8	534.1	513.0	483.2	478.4	510.3	556.5	559.9	561.9	561.9	563.3
27.5°	620.9	614.8	577.5	521.9	500.8	533.4	592.4	599.2	605.3	606.7	612.8
30°	735.0	724.1	670.5	589.1	540.9	567.3	645.4	652.8	661.7	664.4	673.9
32.5°	922.3	916.2	864.6	742.4	639.3	633.8	719.3	728.8	740.4	745.1	756.7
35°	1207.3	1208.6	1166.6	1056.6	914.1	839.5	851.7	859.8	863.9	878.1	884.3
37.5°	1400.7	1404.1	1413.6	1370.2	1268.4	1192.4	1096.7	1105.5	1084.5	1086.5	1087.2
40°	1506.6	1517.4	1573.1	1615.1	1607.0	1562.9	1486.2	1491.0	1451.6	1442.8	1400.0
42.5°	1577.1	1591.4	1680.3	1810.6	1877.1	1917.1	1899.5	1897.5	1866.9	1855.4	1819.4
45°	1621.2	1634.1	1746.1	1938.2	2091.5	2208.3	2256.4	2261.9	2236.1	2224.6	2194.7
47.5°	1619.2	1634.1	1754.3	1985.7	2211.7	2398.3	2534.0	2540.8	2556.4	2546.2	2548.3
50°	1529.6	1543.9	1664.7	1904.9	2176.4	2485.1	2733.5	2755.2	2780.4	2797.3	2805.5
52.5°	1421.1	1431.2	1538.5	1766.5	2025.7	2449.2	2851.6	2888.9	2926.3	2958.2	2980.5
55°	1381.0	1392.6	1476.7	1666.0	1904.9	2298.5	2906.6	2961.5	3014.5	3066.7	3109.5
57.5°	1402.1	1412.9	1473.3	1618.5	1833.0	2139.7	2922.2	3007.7	3094.6	3179.4	3263.5
60°	1479.4	1491.0	1542.5	1662.6	1814.0	2048.1	2861.1	3002.9	3147.5	3295.4	3434.6
62.5°	1448.9	1453.6	1529.6	1740.0	1949.7	1970.1	2639.2	2837.4	3057.9	3285.9	3510.6
63°	1419.7	1425.1	1502.5	1719.0	1991.1	1958.5	2570.7	2779.7	3012.4	3258.1	3502.4
65°	1287.4	1288.0	1347.1	1518.1	1945.0	1978.9	2265.3	2464.8	2732.2	3026.7	3335.5
67.5°	960.9	956.2	1013.2	1143.5	1526.9	1979.6	1944.3	2056.3	2242.2	2503.5	2780.4
70°	340.7	333.2	425.5	606.0	951.4	1619.2	1670.8	1678.3	1729.8	1871.0	2044.7
72.5°	110.6	112.7	135.7	221.9	438.4	1089.9	1512.7	1489.6	1476.0	1475.3	1498.4
75°	44.1	44.8	54.3	98.4	196.8	525.3	1324.7	1337.6	1342.3	1349.1	1356.6
77.5°	21.0	23.1	30.5	55.0	97.7	259.9	948.0	1057.3	1119.7	1167.9	1197.1
80°	7.5	8.8	17.0	33.9	45.5	119.4	499.5	602.6	694.2	812.3	914.1
82.5°	0.0	0.0	3.4	23.8	25.1	48.2	204.9	240.2	274.8	356.3	457.4
85°	0.0	0.0	0.0	6.8	7.5	8.1	69.2	83.5	93.7	109.3	126.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	4.1	10.2	15.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	166.9	166.3	166.3	164.9	164.2	162.9	162.2	160.2	159.5	159.5	159.5
5°	197.5	194.8	193.4	190.0	188.0	187.3	183.9	182.6	180.5	181.2	177.8
7.5°	231.4	226.7	224.6	219.9	218.5	213.8	212.4	209.0	207.0	202.9	201.6
10°	268.7	262.6	259.2	251.8	249.7	246.3	242.3	238.2	234.8	230.7	228.7
12.5°	311.5	306.1	303.3	293.2	288.4	283.7	278.2	272.8	267.4	264.0	259.2
15°	361.7	352.9	350.2	340.7	332.5	326.4	319.0	312.2	308.1	301.3	296.6
17.5°	411.3	402.4	400.4	386.1	377.3	373.2	365.1	356.3	348.8	342.0	334.6
20°	460.8	454.7	449.3	435.7	426.2	419.4	408.5	399.7	393.6	384.1	374.6
22.5°	510.3	504.2	500.2	485.9	477.1	467.6	458.1	448.6	439.8	428.2	417.4
25°	561.2	557.2	555.1	542.2	534.1	525.3	515.8	504.9	494.0	481.1	469.6
27.5°	614.2	615.5	611.4	608.7	599.9	593.8	578.9	571.4	563.3	547.7	533.4
30°	681.3	685.4	684.1	686.1	680.7	676.6	665.1	655.6	646.1	631.1	614.8
32.5°	766.2	771.6	774.3	781.8	779.1	777.7	774.3	760.7	754.0	728.2	721.4
35°	897.2	894.4	906.0	912.1	909.4	908.0	903.9	896.5	888.3	870.0	853.0
37.5°	1067.5	1070.2	1074.3	1062.1	1053.9	1053.2	1041.0	1033.6	1022.0	1001.7	981.3
40°	1379.7	1362.7	1343.7	1292.1	1269.7	1256.8	1220.9	1210.7	1191.0	1163.2	1142.1
42.5°	1785.5	1768.5	1711.5	1625.3	1579.2	1515.4	1486.2	1450.2	1422.4	1376.9	1352.5
45°	2188.6	2139.7	2132.9	2032.5	1975.5	1891.3	1839.1	1778.7	1715.6	1655.9	1612.4
47.5°	2528.6	2517.7	2484.5	2423.4	2370.5	2299.9	2232.7	2139.7	2074.6	1989.7	1911.7
50°	2800.7	2800.0	2787.8	2752.5	2708.4	2651.4	2592.4	2513.6	2439.7	2335.8	2252.4
52.5°	3004.3	3015.2	3019.2	3008.4	2991.4	2941.2	2911.3	2845.5	2783.1	2694.8	2604.6
55°	3153.6	3193.6	3214.0	3237.1	3232.3	3214.7	3213.3	3170.6	3142.1	3072.2	3008.4
57.5°	3338.2	3404.0	3467.1	3579.1	3583.2	3622.5	3642.9	3663.3	3668.7	3640.9	3619.8
60°	3573.0	3707.4	3826.8	4060.9	4122.0	4218.4	4280.8	4348.7	4406.4	4411.1	4409.7
62.5°	3738.6	3945.6	4138.3	4485.8	4604.5	4715.8	4799.3	4865.1	4905.1	4945.9	4964.9
63°	3743.3	3970.0	4174.9	4533.3	4658.1	4764.0	4843.4	4904.5	4946.5	4971.0	4983.2
65°	3628.6	3903.5	4147.8	4504.8	4622.2	4728.7	4770.1	4810.1	4830.5	4840.0	4804.0
67.5°	3075.6	3344.3	3629.3	4028.4	4128.8	4256.4	4290.3	4310.7	4320.2	4318.1	4287.6
70°	2299.9	2525.2	2842.1	3298.1	3431.2	3556.0	3633.4	3666.6	3677.5	3674.1	3628.6
72.5°	1605.6	1738.0	1999.2	2506.9	2688.1	2848.2	2943.9	2993.4	3003.6	2983.3	2941.2
75°	1348.4	1355.2	1414.3	1691.8	1861.5	2032.5	2140.4	2171.6	2151.3	2089.5	1982.3
77.5°	1203.9	1218.8	1218.8	1260.2	1293.5	1341.0	1351.2	1275.1	1186.9	1072.9	980.6
80°	1009.8	1062.1	1098.7	1129.2	1132.6	1123.1	1098.0	1055.3	987.4	900.5	804.2
82.5°	613.5	716.6	758.7	916.2	993.5	1045.8	1041.7	984.7	933.1	842.9	760.7
85°	154.7	166.9	181.2	235.5	264.0	322.3	359.0	376.0	382.1	350.9	317.6
87.5°	14.9	10.2	17.0	12.9	18.3	13.6	18.3	17.0	21.0	22.4	24.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	158.1	157.4	156.8	156.1	155.4	154.7	153.4	153.4	152.0	151.3	150.7
5°	175.8	174.4	173.7	172.4	170.3	169.0	166.9	164.2	162.2	161.5	160.2
7.5°	198.2	194.8	193.4	191.4	188.7	184.6	181.9	179.8	176.4	174.4	170.3
10°	223.3	219.9	215.8	211.7	207.7	202.9	199.5	196.8	191.4	188.7	183.9
12.5°	255.2	249.1	244.3	238.9	233.4	228.0	223.9	215.8	211.1	204.9	200.9
15°	287.7	282.3	276.9	270.1	262.0	253.1	249.1	241.6	235.5	226.0	220.6
17.5°	327.1	316.9	308.8	300.6	293.2	285.0	276.9	265.3	256.5	248.4	237.5
20°	365.8	353.6	344.7	333.9	323.0	310.1	300.6	292.5	280.3	269.4	257.9
22.5°	407.2	395.0	380.7	369.9	354.9	344.7	331.9	318.3	306.1	291.8	277.6
25°	457.4	444.5	428.2	414.0	397.0	382.7	367.1	351.5	336.6	320.3	302.0
27.5°	519.2	505.6	487.9	471.0	448.6	430.9	416.0	395.0	376.0	355.6	334.6
30°	597.2	582.3	560.5	536.1	513.7	494.0	473.0	445.2	424.1	399.7	372.6
32.5°	699.0	681.3	652.2	629.1	601.3	575.5	546.3	518.5	488.6	456.7	425.5
35°	827.3	811.0	777.0	743.1	712.6	682.0	645.4	613.5	571.4	532.7	492.7
37.5°	960.3	931.1	899.9	863.2	825.2	788.6	743.8	699.7	651.5	609.4	559.2
40°	1112.3	1077.0	1051.2	1011.8	958.2	906.0	864.6	809.6	749.2	692.9	633.8
42.5°	1320.6	1281.3	1235.1	1175.4	1136.7	1075.6	1022.0	956.9	877.5	814.4	743.1
45°	1561.5	1507.9	1463.1	1405.4	1358.6	1282.6	1220.2	1133.3	1053.9	971.1	884.3
47.5°	1836.4	1769.9	1704.7	1647.7	1573.1	1498.4	1419.0	1326.7	1224.9	1134.0	1030.8
50°	2151.9	2057.6	1967.4	1894.1	1791.6	1705.4	1619.2	1515.4	1402.7	1298.2	1180.8
52.5°	2502.8	2393.5	2274.1	2161.4	2042.7	1932.1	1828.2	1708.8	1583.2	1455.7	1324.7
55°	2926.3	2844.1	2703.7	2560.5	2401.7	2253.7	2120.0	1972.1	1819.4	1651.8	1514.0
57.5°	3589.3	3549.2	3431.8	3288.6	3081.7	2901.8	2675.2	2494.0	2272.7	2042.0	1864.2
60°	4487.8	4438.2	4372.4	4256.4	4092.1	3847.8	3598.1	3316.5	2979.9	2660.2	2356.9
62.5°	4966.9	4949.3	4895.6	4815.6	4662.2	4469.5	4217.7	3908.2	3528.2	3140.0	2753.2
63°	4981.2	4958.8	4912.6	4831.2	4696.1	4509.5	4262.5	3961.8	3590.0	3194.3	2799.4
65°	4788.4	4779.6	4732.8	4643.9	4551.6	4409.1	4217.7	3959.1	3647.0	3273.0	2880.1
67.5°	4246.9	4220.4	4148.5	4121.3	4056.9	3957.8	3811.9	3634.1	3410.8	3117.0	2777.6
70°	3592.0	3552.6	3462.4	3414.2	3335.5	3273.0	3184.1	3057.2	2919.5	2714.5	2461.4
72.5°	2897.8	2816.3	2733.5	2608.0	2498.0	2386.7	2288.3	2198.8	2047.4	1964.6	1772.6
75°	1881.8	1733.9	1592.1	1402.1	1231.0	1079.7	932.4	857.8	702.4	639.3	549.0
77.5°	893.1	810.3	699.0	612.8	502.9	410.6	335.2	251.8	197.5	154.7	118.1
80°	720.7	650.8	583.6	505.6	422.8	337.3	258.6	193.4	137.1	95.0	67.2
82.5°	642.7	566.7	483.9	430.3	373.9	306.1	251.1	204.9	151.3	110.6	75.3
85°	249.7	210.4	162.2	132.3	103.2	84.8	76.7	52.9	41.4	32.6	25.1
87.5°	21.7	17.6	14.3	9.5	10.2	5.4	6.1	4.1	3.4	3.4	2.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	150.0	149.3	148.6	147.3	147.3	145.9	145.2	144.5	141.2	133.7	127.6
5°	157.4	156.1	154.7	152.7	151.3	149.3	147.9	145.9	138.4	124.2	112.0
7.5°	168.3	165.6	163.6	159.5	157.4	154.7	152.7	149.3	137.1	115.4	98.4
10°	181.2	176.4	173.1	168.3	164.2	160.8	157.4	152.7	135.7	105.9	86.2
12.5°	196.8	191.4	184.6	179.2	173.7	169.0	164.2	158.1	133.7	97.7	76.7
15°	212.4	204.3	199.5	192.1	184.6	177.8	171.0	165.6	134.4	88.9	68.5
17.5°	230.1	221.9	211.7	203.6	195.4	186.6	178.5	167.6	131.0	82.1	62.4
20°	247.0	235.5	226.0	215.8	204.3	193.4	183.2	173.7	128.3	75.3	57.0
22.5°	265.3	251.8	239.6	226.7	212.4	200.2	188.0	175.8	123.5	69.2	52.3
25°	287.7	272.1	254.5	238.9	223.9	209.0	193.4	178.5	118.8	63.8	48.9
27.5°	314.9	294.5	276.9	257.2	236.2	217.2	200.2	183.9	114.0	59.7	45.5
30°	349.5	325.7	300.6	275.5	253.1	231.4	207.7	187.3	109.3	55.6	42.1
32.5°	395.6	365.8	335.2	306.1	276.2	248.4	223.3	196.8	106.5	52.3	38.7
35°	456.7	418.0	380.7	344.1	308.1	274.2	241.6	211.7	106.5	48.2	34.6
37.5°	514.4	469.6	422.1	376.6	333.9	294.5	255.8	219.9	101.1	44.8	31.2
40°	576.8	523.2	467.6	414.0	362.4	313.5	269.4	228.0	96.4	40.7	27.8
42.5°	672.5	604.7	532.0	469.6	407.9	347.5	292.5	243.6	90.3	36.6	24.4
45°	798.1	711.9	626.4	550.4	471.6	397.7	332.5	272.1	88.9	33.3	21.0
47.5°	932.4	830.6	730.2	633.2	540.9	454.7	376.6	304.0	88.9	29.9	18.3
50°	1066.1	938.5	831.3	718.7	614.8	513.0	420.1	337.3	89.6	27.1	14.9
52.5°	1186.9	1050.5	930.4	800.1	685.4	567.3	466.2	369.9	88.2	23.8	12.2
55°	1354.5	1194.4	1055.3	911.4	777.0	644.0	529.3	418.7	88.9	21.0	10.2
57.5°	1663.3	1475.3	1307.7	1119.1	964.3	792.6	653.5	519.2	97.0	17.6	7.5
60°	2106.5	1862.2	1626.7	1396.6	1199.8	995.6	815.0	656.9	114.0	14.3	5.4
62.5°	2404.4	2084.8	1803.8	1550.0	1321.3	1107.5	910.7	730.9	125.5	11.5	3.4
63°	2434.9	2104.4	1822.1	1560.2	1326.7	1113.0	914.8	736.3	126.2	10.9	3.4
65°	2492.6	2138.4	1832.3	1562.2	1321.3	1105.5	912.1	735.6	127.6	8.8	2.7
67.5°	2426.8	2086.1	1773.3	1503.8	1273.8	1061.4	878.1	708.5	126.9	6.1	2.0
70°	2170.3	1888.0	1613.1	1362.0	1153.0	960.9	799.4	646.1	116.7	4.1	1.4
72.5°	1593.4	1401.4	1188.3	1007.1	868.6	721.4	615.5	485.2	90.3	2.7	0.7
75°	472.3	430.3	361.7	319.0	281.6	232.8	207.0	161.5	46.1	1.4	0.0
77.5°	94.3	85.5	76.7	69.9	65.8	56.3	53.6	44.1	19.0	0.7	0.0
80°	49.5	40.7	34.6	30.5	26.5	21.7	18.3	14.9	3.4	0.0	0.0
82.5°	47.5	31.9	23.1	19.0	16.3	12.9	10.2	7.5	2.0	0.0	0.0
85°	17.6	13.6	10.2	8.1	6.8	6.1	4.8	4.1	0.0	0.0	0.0
87.5°	2.7	2.0	2.0	1.4	1.4	0.7	0.7	0.7	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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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	121.5	116.0	113.3	109.9	109.9	109.3	110.6
5°	101.1	93.7	88.2	84.2	84.8	82.8	83.5
7.5°	85.5	78.0	73.3	70.6	69.9	69.2	69.2
10°	74.0	67.2	63.1	61.1	60.4	60.4	60.4
12.5°	65.8	59.0	55.6	54.3	54.3	53.6	53.6
15°	59.0	53.6	50.2	48.9	48.9	48.2	48.9
17.5°	53.6	48.2	45.5	44.1	44.1	43.4	43.4
20°	48.9	44.1	41.4	39.4	39.4	38.7	39.4
22.5°	44.8	40.0	36.6	35.3	34.6	33.9	34.6
25°	40.7	36.0	32.6	30.5	29.9	29.9	29.2
27.5°	37.3	32.6	28.5	26.5	25.8	25.8	25.1
30°	33.9	28.5	24.4	22.4	21.7	21.7	21.7
32.5°	30.5	24.4	21.0	19.0	18.3	18.3	18.3
35°	27.1	21.0	17.6	15.6	14.9	14.9	14.9
37.5°	23.1	17.6	13.6	12.2	11.5	10.9	10.9
40°	19.7	13.6	10.2	8.8	7.5	7.5	7.5
42.5°	16.3	10.9	7.5	5.4	4.8	4.1	4.8
45°	13.6	8.1	4.8	2.7	2.0	2.0	2.0
47.5°	10.9	5.4	2.0	0.7	0.7	0.7	0.7
50°	8.1	3.4	0.7	0.0	0.0	0.7	0.7
52.5°	6.1	2.0	0.0	0.0	0.0	0.0	0.0
55°	3.4	0.7	0.0	0.0	0.0	0.0	0.0
57.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)