

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: P180581

Luminaire Tested: **ICM-F03-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180581
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-SL3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3371.3 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

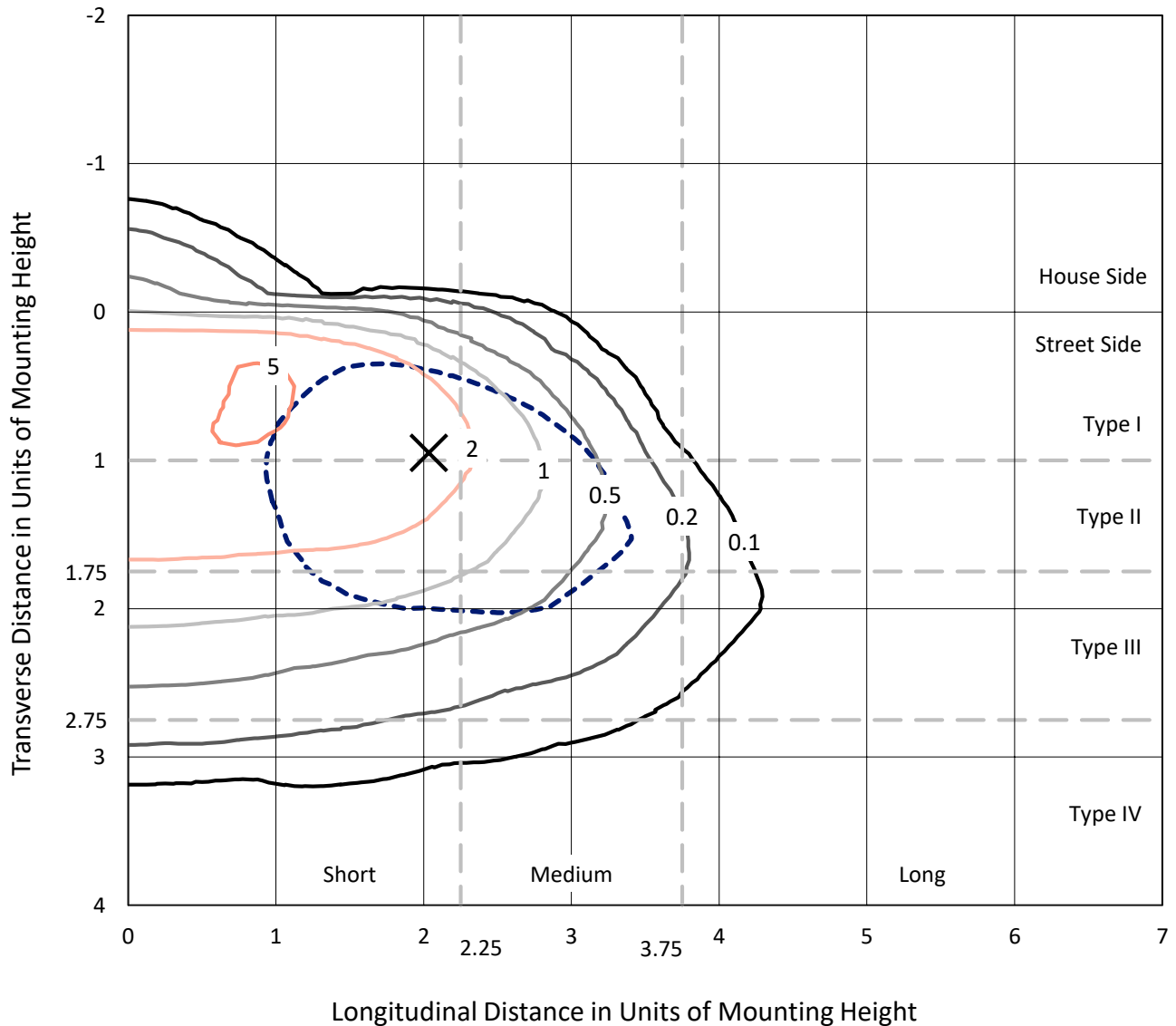
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

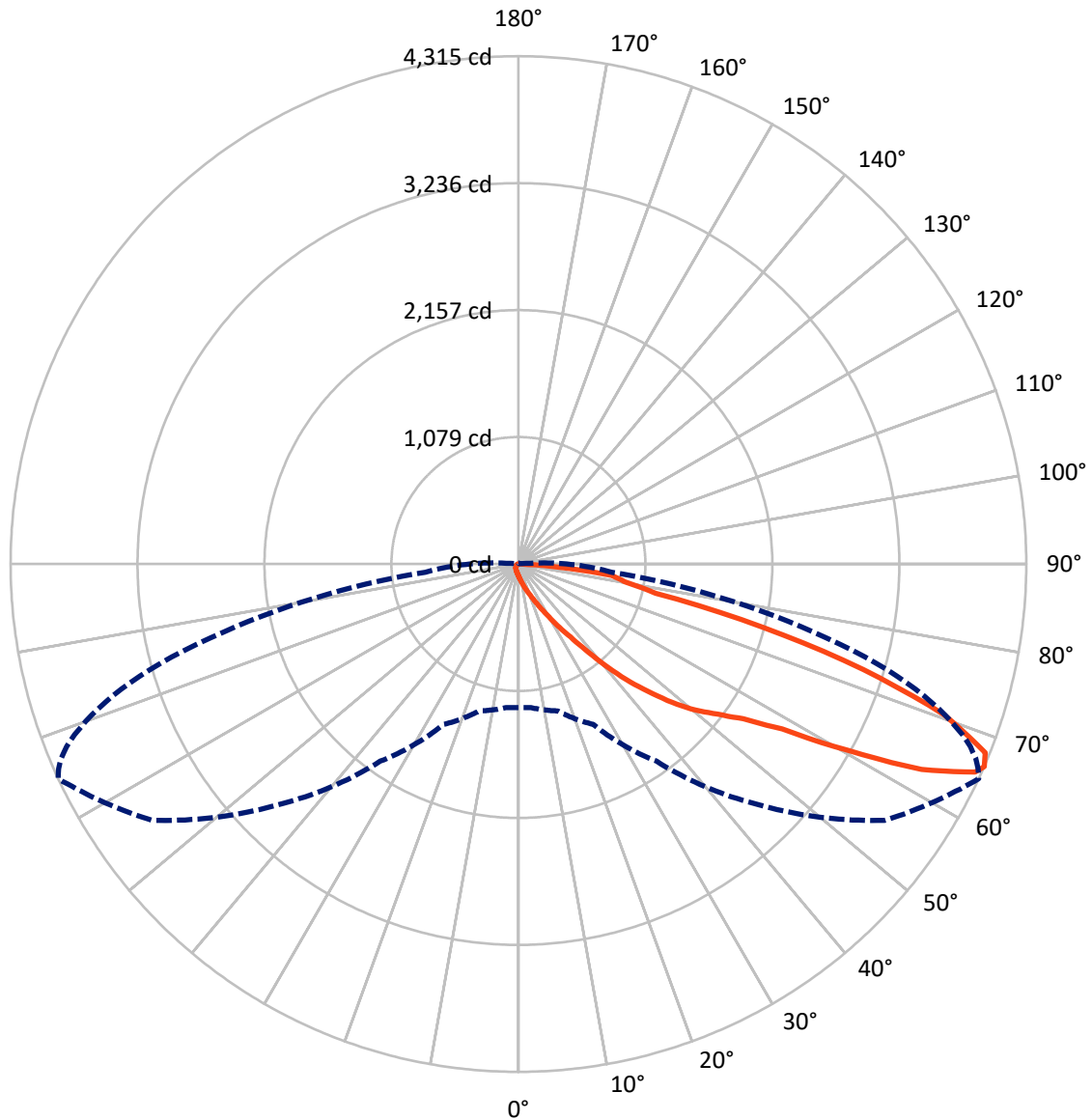
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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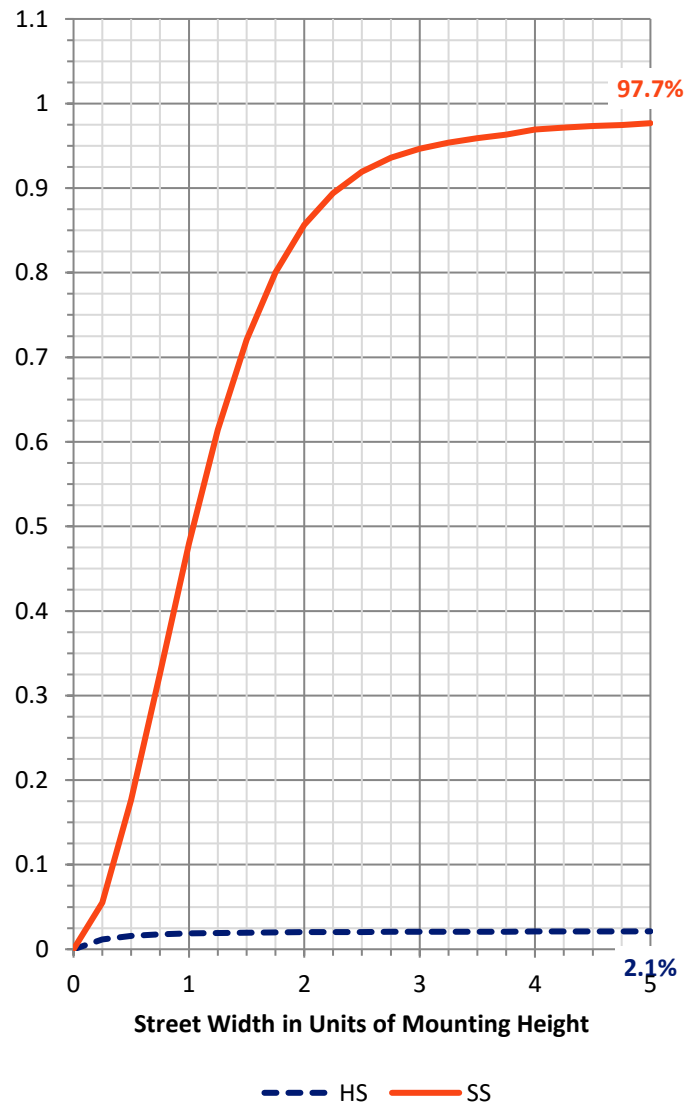
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.1	0.0	73.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	3298.2	0.0	3298.2
	% Fixture	97.8	0.0	97.8
Total	Lumens	3371.3	0.0	3371.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	48.3	1.4
20°-30°	104.2	3.1
30°-40°	222.5	6.6
40°-50°	492.0	14.6
50°-60°	833.8	24.7
60°-70°	1112.6	33.0
70°-80°	490.1	14.5
80°-90°	56.5	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°	3371.3	100.0
0°-180°	3371.3	100.0



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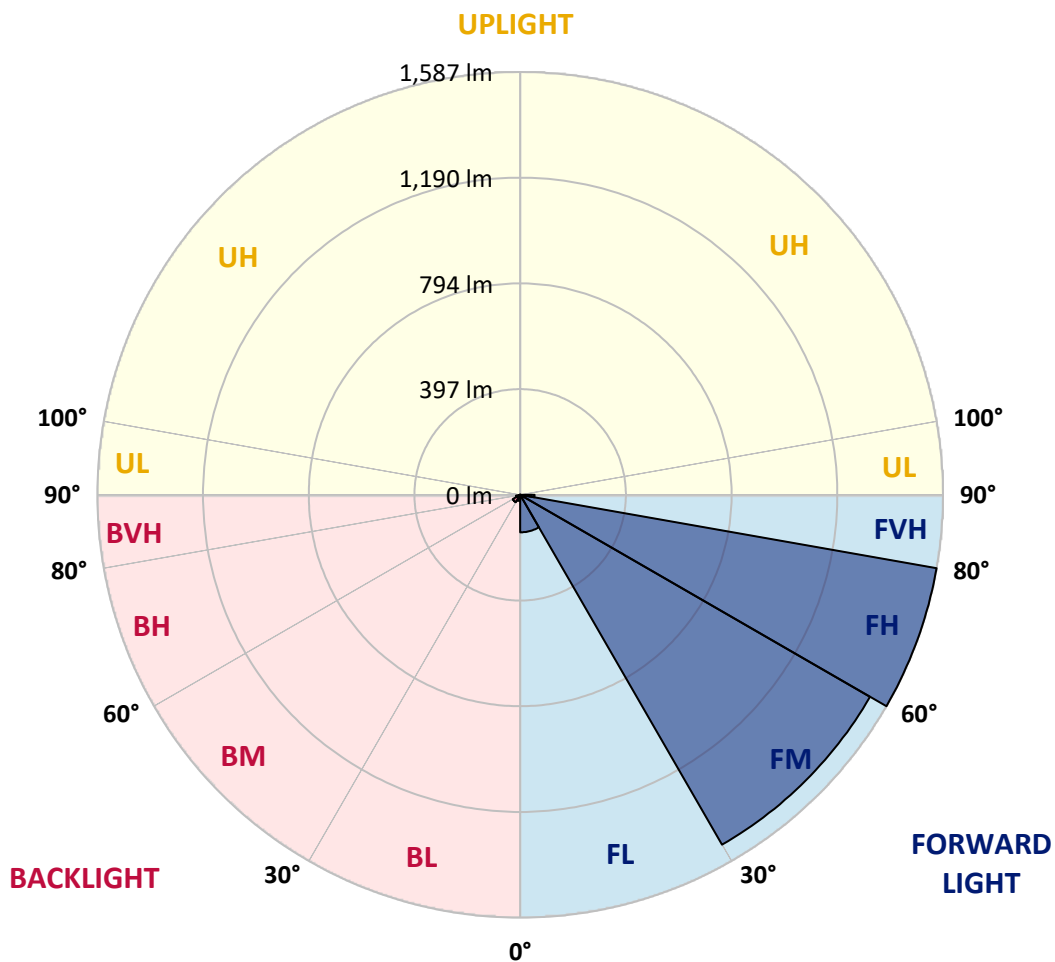
CATALOG NUMBER: ICM-F03-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.8	4.2			
FM	(30°-60°)	1516.1	45.0			
FH	(60°-80°)	1587.0	47.1			G1/1800
FVH	(80°-90°)	54.2	1.6			G1/100
BL	(0°-30°)	23.0	0.7	B0/110		
BM	(30°-60°)	32.1	1.0	B0/220		
BH	(60°-80°)	15.7	0.5	B0/110		G0/110
BVH	(80°-90°)	2.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8
2.5°	128.4	127.7	125.1	125.1	121.2	118.6	115.3	112.1	112.1	111.4	110.8
5°	169.8	166.0	165.3	158.1	152.3	143.9	136.1	125.8	124.5	123.2	122.5
7.5°	215.8	215.2	209.3	200.9	189.2	173.7	158.1	141.3	138.7	137.4	134.8
10°	275.4	272.2	264.5	250.1	232.7	211.9	186.7	160.1	156.8	154.2	152.9
12.5°	332.5	326.7	322.1	304.0	282.0	251.4	221.0	182.8	180.2	176.9	171.7
15°	385.7	380.5	372.7	357.1	332.5	294.2	258.6	211.9	205.5	200.9	197.0
17.5°	427.1	423.9	414.8	397.3	370.7	337.0	294.2	241.8	236.6	230.7	223.6
20°	466.6	462.1	447.8	423.9	395.4	369.4	336.4	280.7	273.5	266.4	258.6
22.5°	504.3	499.7	476.4	436.8	406.4	395.4	383.7	324.7	313.7	307.8	300.1
25°	556.7	547.0	510.7	447.8	407.0	415.4	435.5	381.8	371.4	363.0	350.6
27.5°	627.4	614.4	557.4	464.1	409.6	437.5	495.2	451.1	440.1	430.3	416.7
30°	707.1	698.7	630.6	503.0	428.4	469.9	562.0	539.3	526.2	514.6	498.4
32.5°	787.4	775.8	708.4	576.8	479.0	532.7	645.5	641.7	624.8	613.8	596.3
35°	858.1	852.3	802.4	698.1	594.3	643.0	757.0	761.6	746.6	735.0	715.5
37.5°	906.1	906.1	896.4	828.3	777.8	814.1	921.0	921.7	906.7	880.2	870.4
40°	930.7	937.9	972.8	985.8	983.2	1029.9	1136.2	1124.5	1112.2	1098.6	1066.1
42.5°	981.3	987.7	1062.2	1151.7	1210.1	1271.6	1344.8	1340.9	1326.1	1301.4	1271.6
45°	1066.8	1075.3	1164.0	1306.0	1425.9	1513.4	1560.0	1541.9	1527.0	1503.6	1488.1
47.5°	1175.7	1191.9	1292.4	1468.0	1612.6	1757.1	1805.7	1757.7	1744.8	1726.6	1701.3
50°	1291.7	1307.3	1414.2	1615.2	1778.4	1950.9	2031.9	1950.9	1932.1	1926.2	1897.7
52.5°	1392.2	1405.1	1508.2	1728.6	1905.5	2107.7	2225.7	2118.7	2105.1	2085.7	2064.9
55°	1451.8	1462.1	1558.7	1783.0	1991.7	2249.0	2412.9	2319.0	2298.9	2291.2	2261.3
57.5°	1471.9	1482.2	1569.1	1790.2	2038.3	2378.0	2640.5	2643.7	2619.7	2591.8	2582.8
60°	1471.9	1483.5	1556.8	1772.7	2083.7	2515.4	2943.8	3214.1	3162.3	3157.0	3124.0
62.5°	1411.0	1422.0	1495.9	1718.8	2144.7	2700.8	3366.3	3843.4	3828.5	3794.8	3740.4
65°	1278.8	1285.2	1357.9	1581.4	2121.3	2871.2	3732.6	4262.1	4238.2	4172.0	4102.0
66°	1219.2	1224.3	1292.4	1503.0	2044.8	2894.5	3797.4	4314.6	4275.1	4219.3	4140.2
67.5°	1132.9	1142.0	1190.0	1357.2	1861.4	2813.5	3756.6	4277.7	4243.3	4175.9	4096.9
70°	756.4	749.9	919.1	1041.6	1418.1	2292.5	3370.3	3840.9	3841.5	3809.7	3778.0
72.5°	359.1	363.0	412.2	641.0	928.1	1531.5	2682.6	3065.7	3109.7	3052.7	3013.1
75°	258.0	263.8	293.6	392.1	553.5	919.1	1738.9	2144.0	2145.3	2044.2	1954.2
77.5°	75.2	78.4	110.1	241.8	414.8	620.3	998.8	1191.9	1164.0	1091.4	1023.4
80°	31.1	31.1	32.4	77.1	166.6	421.3	698.7	917.8	914.5	886.6	846.4
82.5°	11.6	12.3	15.5	31.7	39.5	103.7	466.0	796.6	794.6	755.1	726.5
85°	1.3	1.3	3.9	13.6	14.9	19.4	93.3	351.3	349.3	351.3	307.8
87.5°	0.0	0.0	0.7	1.3	2.0	2.6	3.9	13.6	14.9	14.2	12.9
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8
2.5°	110.8	109.5	109.5	108.9	108.9	108.9	108.3	107.6	107.6	107.0	106.3
5°	121.2	119.9	119.3	118.0	117.3	116.7	115.3	114.7	113.4	112.7	112.1
7.5°	133.5	130.9	130.2	128.4	126.4	125.1	123.8	121.9	120.6	118.0	117.3
10°	149.0	145.9	143.3	140.7	138.7	135.4	133.5	130.9	128.4	126.4	124.5
12.5°	169.1	164.7	160.7	158.1	153.6	149.7	145.9	143.9	138.7	136.1	132.8
15°	191.2	186.0	181.5	176.3	173.0	166.6	161.4	155.5	152.9	148.5	143.3
17.5°	219.7	211.3	204.2	199.0	192.5	186.0	180.2	174.3	166.6	161.4	154.9
20°	250.1	243.1	233.3	224.3	216.5	208.7	200.3	192.5	185.4	176.9	169.1
22.5°	289.0	278.7	267.1	258.0	247.6	239.2	227.5	217.1	205.5	194.4	185.4
25°	338.3	324.7	313.7	300.7	288.4	275.4	261.2	248.2	233.3	223.0	207.4
27.5°	399.3	386.3	371.4	354.5	342.2	322.8	304.0	287.8	270.2	254.0	236.6
30°	477.0	458.2	442.7	426.5	401.9	383.1	361.0	339.0	315.0	298.8	272.2
32.5°	570.3	550.2	526.9	503.6	480.9	454.3	427.1	399.9	373.3	343.5	316.3
35°	684.5	660.5	633.9	608.6	573.6	545.1	510.7	473.1	443.4	408.9	374.6
37.5°	835.4	795.9	772.6	746.0	698.7	659.8	621.6	584.0	531.4	495.2	446.6
40°	1024.7	1001.4	963.1	920.4	877.6	826.3	774.5	724.7	663.7	613.1	556.7
42.5°	1247.0	1212.7	1173.8	1112.2	1068.8	1008.5	949.5	883.4	808.8	744.1	678.0
45°	1455.7	1414.9	1385.0	1323.4	1278.1	1206.8	1135.5	1065.5	979.4	895.7	819.3
47.5°	1681.2	1647.5	1598.2	1548.4	1502.3	1422.0	1344.8	1260.0	1169.2	1070.1	970.9
50°	1879.5	1853.0	1819.3	1759.0	1707.8	1640.4	1549.7	1457.0	1342.2	1243.7	1131.0
52.5°	2048.1	2027.4	1980.0	1937.2	1891.3	1827.7	1746.7	1657.9	1534.1	1425.9	1297.6
55°	2247.1	2232.2	2190.7	2164.1	2123.3	2062.3	1986.5	1904.2	1773.3	1655.4	1510.1
57.5°	2573.0	2561.4	2525.1	2514.1	2473.9	2420.8	2327.5	2239.3	2086.3	1939.8	1774.0
60°	3112.9	3089.6	3036.5	3009.2	2924.4	2853.0	2731.8	2610.7	2426.0	2239.3	2039.6
62.5°	3691.1	3625.6	3524.5	3437.7	3317.1	3193.3	3031.3	2846.0	2629.5	2407.8	2178.3
65°	4002.8	3891.4	3763.7	3625.6	3469.4	3287.3	3083.2	2860.9	2628.2	2394.2	2151.8
66°	4038.5	3912.8	3777.3	3623.7	3450.0	3256.2	3048.8	2815.5	2573.7	2345.6	2103.2
67.5°	3993.8	3862.2	3719.0	3548.5	3360.6	3159.6	2941.9	2699.5	2466.8	2235.4	1999.5
70°	3680.8	3549.8	3422.2	3242.6	3042.3	2840.1	2634.0	2363.1	2142.7	1930.2	1720.1
72.5°	2939.3	2850.4	2724.1	2570.5	2375.4	2138.2	1966.4	1724.0	1532.8	1326.7	1164.0
75°	1836.8	1711.7	1555.5	1359.8	1210.7	1018.2	917.8	733.7	624.8	529.5	437.5
77.5°	939.2	845.1	735.6	625.4	519.8	414.8	320.8	226.9	152.9	106.3	79.1
80°	775.8	692.8	602.1	501.7	408.3	316.9	228.2	155.5	99.2	64.8	50.5
82.5°	641.0	571.0	490.0	396.7	315.6	248.8	173.0	112.7	70.0	45.4	35.6
85°	272.8	247.6	191.2	151.6	114.0	84.3	59.0	39.5	27.9	22.7	20.7
87.5°	11.6	12.9	12.3	9.8	7.2	7.2	6.5	5.2	5.2	5.2	5.2
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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CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8
2.5°	106.3	105.7	105.0	105.0	104.4	103.7	99.8	96.6	92.7	90.0	87.5
5°	110.8	110.1	108.9	108.3	107.0	106.3	97.9	90.7	84.9	80.4	77.1
7.5°	115.3	114.7	112.7	110.8	110.1	108.9	95.3	86.2	78.4	73.2	70.0
10°	121.2	119.3	117.3	114.7	112.7	110.8	92.7	81.0	72.6	68.1	64.8
12.5°	129.6	126.4	123.2	119.9	117.3	114.0	91.3	76.5	68.1	62.9	59.6
15°	139.3	134.8	130.9	127.1	122.5	119.3	88.8	72.6	64.2	59.0	55.1
17.5°	148.5	143.3	137.4	131.5	127.1	122.5	86.2	68.7	60.3	55.1	51.2
20°	161.4	153.6	146.5	139.3	132.8	127.1	82.3	64.8	57.0	51.2	47.3
22.5°	175.6	166.6	157.5	147.8	139.3	131.5	79.1	61.6	53.8	48.0	43.4
25°	193.8	182.8	170.4	158.1	148.5	138.0	75.8	58.3	50.5	44.7	40.2
27.5°	219.1	203.5	189.9	174.3	159.4	147.8	73.2	55.7	47.3	41.5	36.9
30°	253.4	230.7	209.3	192.5	175.0	158.1	70.6	52.5	44.7	38.2	33.0
32.5°	291.6	265.1	240.5	215.2	193.1	173.7	68.1	49.9	41.5	35.0	30.4
35°	339.0	305.3	272.2	243.1	216.5	190.5	65.5	47.3	38.9	31.7	27.3
37.5°	407.0	364.9	321.5	283.9	249.5	215.2	63.5	44.7	35.6	28.6	24.0
40°	500.4	446.0	392.7	341.6	296.8	254.0	60.9	42.1	33.0	26.0	21.4
42.5°	601.5	535.4	465.4	407.6	346.1	292.3	58.3	39.5	30.4	23.3	18.8
45°	727.2	644.9	560.0	481.6	406.4	337.0	55.7	36.9	27.3	20.7	16.2
47.5°	864.6	759.6	663.7	565.2	475.7	392.7	52.5	35.0	24.7	18.1	14.2
50°	1005.9	895.1	773.9	661.8	555.4	448.5	49.3	31.7	22.0	16.2	11.6
52.5°	1158.2	1027.3	903.4	764.2	640.4	521.8	46.0	29.2	20.1	14.2	9.8
55°	1352.0	1205.5	1060.4	904.1	755.1	606.6	42.8	26.0	17.5	12.3	7.8
57.5°	1595.7	1422.0	1243.7	1067.4	886.6	718.1	40.2	22.7	14.9	10.3	6.5
60°	1825.8	1622.9	1407.1	1204.2	1000.1	803.7	36.3	20.1	12.9	8.5	6.5
62.5°	1945.0	1713.7	1480.9	1257.4	1039.6	834.1	32.4	16.8	11.0	7.2	5.9
65°	1915.9	1679.9	1454.4	1228.8	1015.6	814.7	28.6	14.9	9.8	6.5	5.9
66°	1873.8	1640.4	1413.6	1199.1	995.5	794.0	26.6	14.2	9.1	6.5	5.2
67.5°	1781.7	1556.2	1339.7	1140.1	940.5	754.4	24.0	12.9	8.5	5.9	5.2
70°	1521.8	1317.0	1143.9	966.3	803.7	635.8	19.4	11.0	7.2	5.2	5.2
72.5°	1007.2	867.8	752.5	647.4	541.2	420.0	16.2	9.1	5.9	5.2	4.6
75°	379.8	343.5	294.9	265.1	231.4	202.9	12.9	5.9	4.6	4.6	4.6
77.5°	67.4	62.2	55.1	50.5	46.7	42.8	10.3	3.9	3.9	4.6	4.6
80°	45.4	42.1	38.2	35.0	32.4	29.2	7.2	3.3	3.9	3.9	4.6
82.5°	32.4	30.4	28.6	26.0	24.0	21.4	4.6	3.3	3.9	3.9	3.9
85°	19.4	18.1	16.8	15.5	13.6	12.9	3.3	3.3	3.3	3.9	3.9
87.5°	5.2	4.6	5.2	5.2	3.9	4.6	2.6	2.6	2.6	3.3	3.3
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):

	145°	155°	165°	175°	180°
0°	101.8	101.8	101.8	101.8	101.8
2.5°	86.2	86.2	84.9	86.9	86.9
5°	74.5	74.5	73.9	74.5	74.5
7.5°	68.1	67.4	67.4	67.4	68.1
10°	62.2	61.6	61.6	61.6	61.6
12.5°	57.0	56.4	55.7	56.4	56.4
15°	52.5	51.2	51.2	51.2	51.2
17.5°	48.7	47.3	46.7	46.7	46.7
20°	44.7	42.8	42.8	42.8	42.8
22.5°	40.8	38.9	38.9	38.9	38.9
25°	36.9	35.0	35.0	35.0	35.0
27.5°	33.7	31.7	31.7	31.7	31.7
30°	29.8	28.6	28.6	29.2	28.6
32.5°	27.3	25.3	25.3	26.0	26.0
35°	24.0	22.7	22.7	22.7	22.7
37.5°	20.7	19.4	19.4	19.4	19.4
40°	18.1	16.8	16.2	16.8	16.8
42.5°	15.5	14.2	13.6	13.6	13.6
45°	13.6	11.6	11.0	11.6	11.6
47.5°	11.0	9.8	9.8	10.3	10.3
50°	8.5	8.5	9.1	10.3	10.3
52.5°	7.8	7.8	9.1	10.3	10.3
55°	7.2	7.8	9.1	9.8	10.3
57.5°	6.5	7.8	9.1	9.8	9.8
60°	6.5	7.2	8.5	9.8	9.8
62.5°	5.9	6.5	7.8	9.1	9.1
65°	5.9	6.5	7.8	9.1	9.1
66°	5.9	6.5	7.8	9.1	9.1
67.5°	5.9	6.5	7.8	9.1	9.1
70°	5.9	6.5	7.8	8.5	8.5
72.5°	5.2	5.9	7.2	8.5	8.5
75°	5.2	5.9	7.2	8.5	8.5
77.5°	5.2	5.9	7.2	8.5	8.5
80°	5.2	5.9	7.2	7.8	8.5
82.5°	4.6	5.9	6.5	7.8	7.8
85°	4.6	5.2	6.5	7.2	7.8
87.5°	3.9	4.6	5.2	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)