

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: P181173

Luminaire Tested: **ICM-F03-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181173
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
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-T2-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3113.6 lumens
Efficiency: N/A
Efficacy: 39.8 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

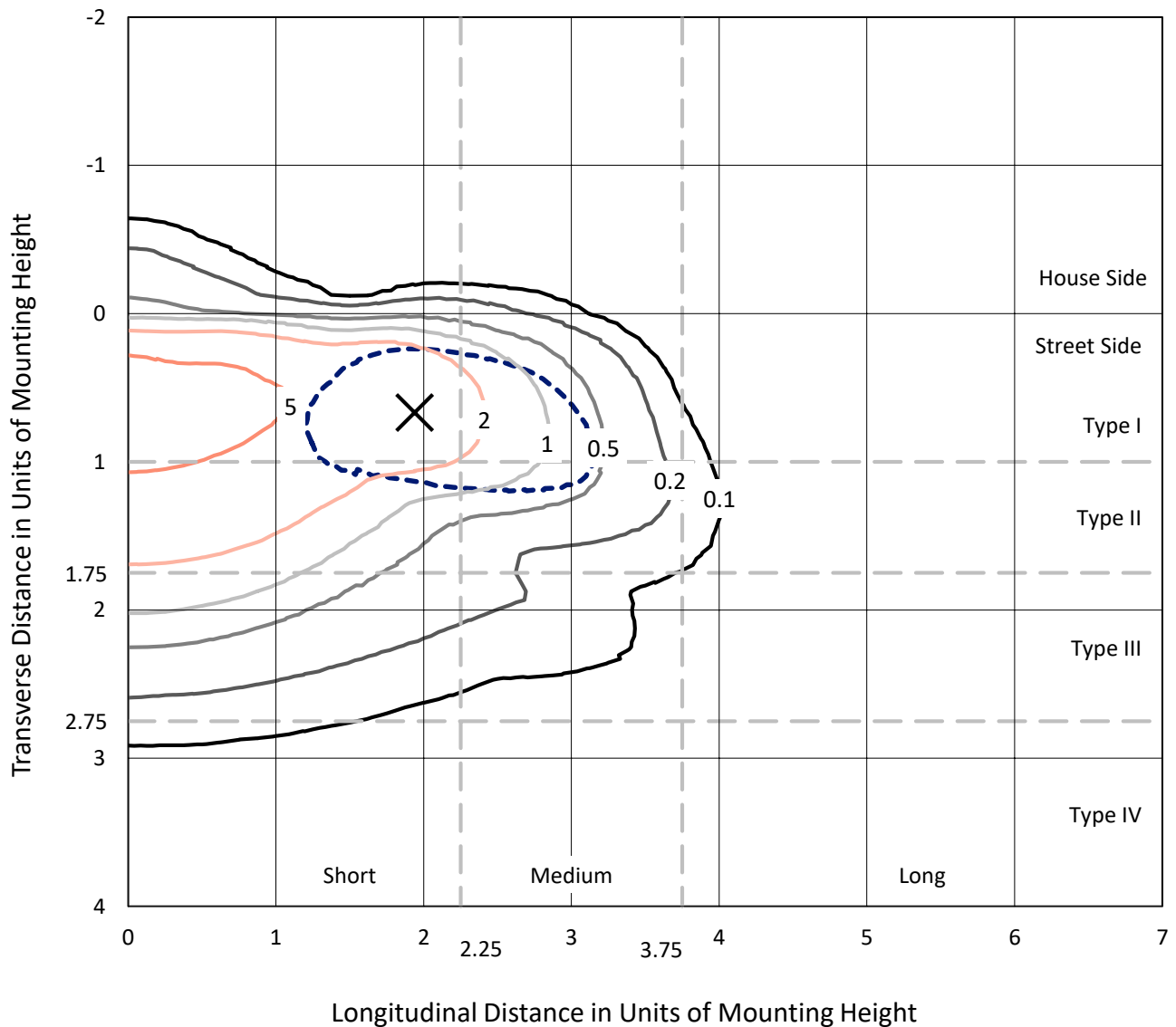
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

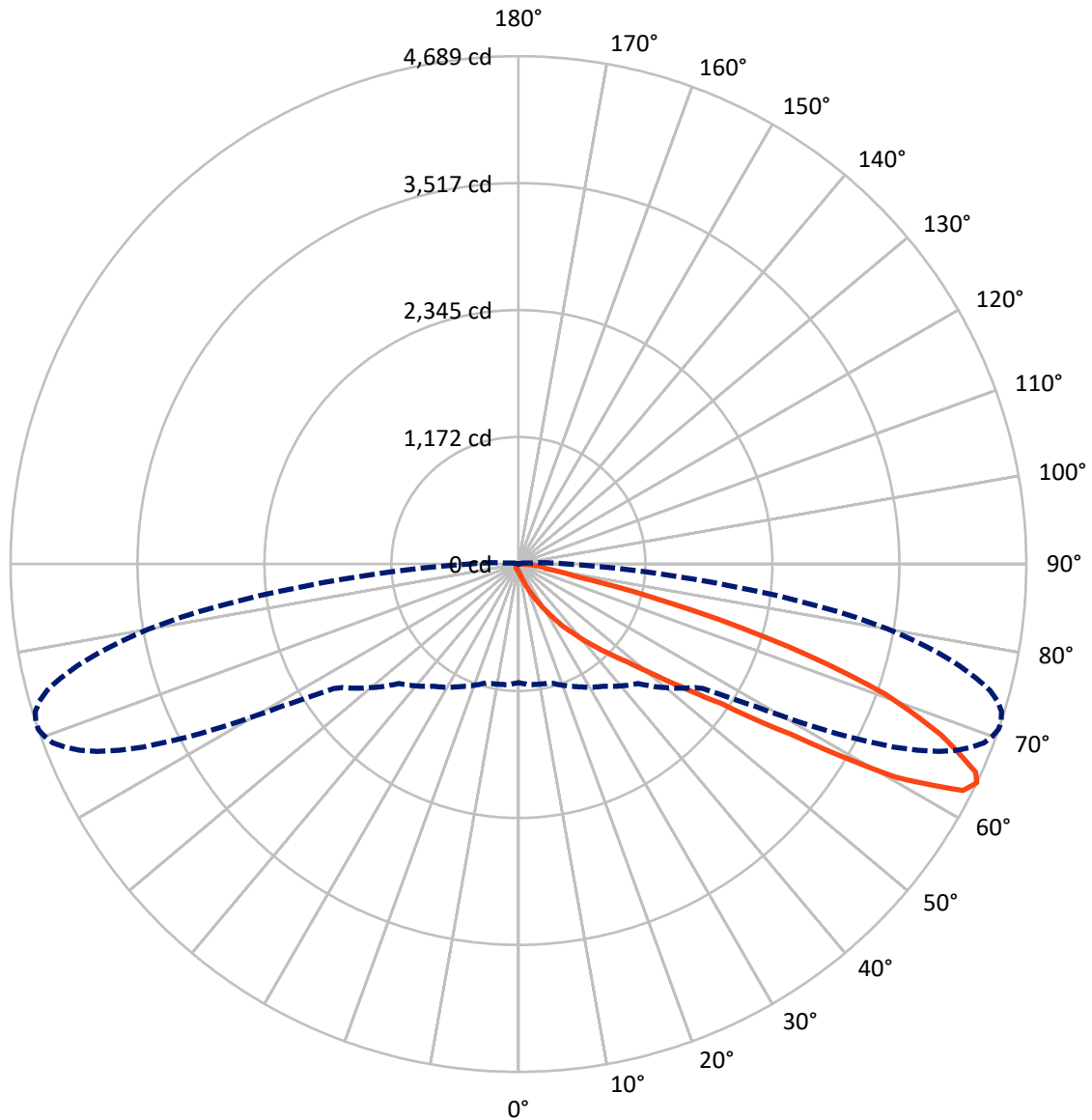
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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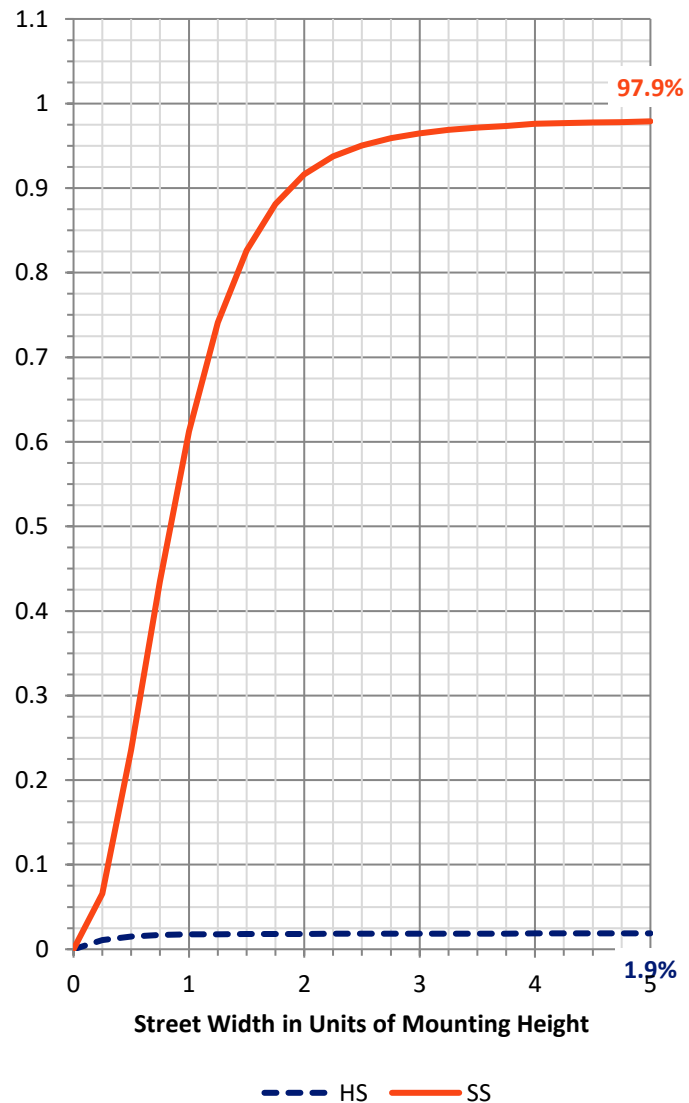
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.7	0.0	59.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3053.9	0.0	3053.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	3113.6	0.0	3113.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	56.3	1.8
20°-30°	143.8	4.6
30°-40°	290.8	9.3
40°-50°	531.6	17.1
50°-60°	828.3	26.6
60°-70°	920.7	29.6
70°-80°	300.3	9.6
80°-90°	32.3	1.0
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°	3113.6	100.0
0°-180°	3113.6	100.0



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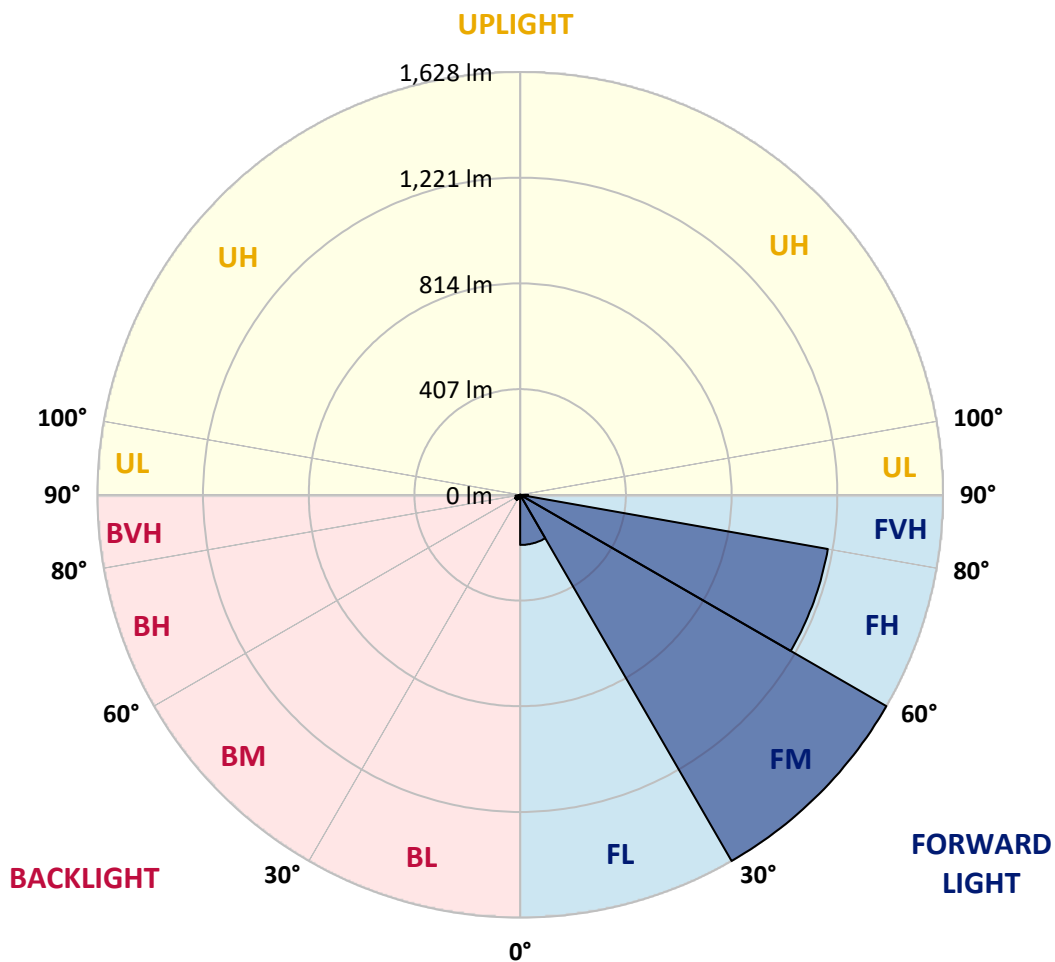
CATALOG NUMBER: ICM-F03-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.0	6.2			
FM (30°-60°)	1627.7	52.3			
FH (60°-80°)	1202.5	38.6			G1/1800
FVH (80°-90°)	30.8	1.0			G1/100
BL (0°-30°)	16.6	0.5	B0/110		
BM (30°-60°)	23.1	0.7	B0/220		
BH (60°-80°)	18.4	0.6	B0/110		G0/110
BVH (80°-90°)	1.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	93.3	92.0	92.0	90.0	87.5	84.9	82.3	81.7	81.0	80.4	80.4
5°	146.5	141.3	139.3	132.2	123.2	112.1	102.4	99.8	99.8	97.9	96.6
7.5°	230.0	227.5	213.9	206.8	185.4	158.8	130.9	128.4	127.7	125.1	121.2
10°	337.0	331.8	322.1	301.4	262.5	216.5	176.9	170.4	166.0	160.7	155.5
12.5°	444.0	437.5	423.3	389.5	350.6	291.6	228.2	222.3	215.2	208.1	199.6
15°	550.9	546.3	524.4	490.6	440.1	369.4	289.0	278.7	272.8	258.6	252.1
17.5°	643.6	637.8	620.3	582.1	529.5	451.7	356.5	343.5	333.8	325.4	309.8
20°	724.0	718.1	701.3	669.5	610.5	534.0	429.0	422.6	405.1	392.1	383.1
22.5°	773.2	771.3	760.3	729.8	677.3	609.2	512.0	501.7	490.0	472.5	462.1
25°	803.7	801.8	795.3	773.9	738.2	688.3	603.4	590.4	580.1	564.6	551.5
27.5°	835.4	834.1	828.9	810.1	791.4	760.3	696.1	688.9	666.2	657.2	644.9
30°	887.9	882.1	886.6	877.6	853.6	834.1	789.4	779.1	769.3	753.8	742.8
32.5°	971.5	961.9	971.5	961.9	951.4	928.1	885.3	882.1	872.4	862.7	847.1
35°	1074.0	1070.1	1077.9	1086.2	1077.9	1046.7	994.9	985.1	981.3	965.7	959.9
37.5°	1177.0	1184.1	1198.4	1217.2	1212.0	1189.3	1116.1	1107.0	1099.9	1086.2	1075.9
40°	1287.8	1288.5	1319.0	1346.1	1359.8	1346.1	1249.6	1242.4	1232.8	1213.3	1210.7
42.5°	1408.4	1403.2	1425.9	1456.4	1484.2	1503.0	1425.9	1412.3	1398.7	1376.7	1361.7
45°	1515.4	1515.4	1533.5	1562.0	1604.8	1652.1	1611.9	1597.7	1584.7	1566.5	1549.7
47.5°	1594.4	1595.1	1606.1	1647.5	1714.3	1784.9	1786.2	1788.8	1779.1	1757.7	1758.3
50°	1650.1	1643.0	1657.9	1698.1	1775.3	1886.1	1965.8	1970.3	1978.1	1960.6	1965.8
52.5°	1691.0	1687.7	1697.5	1731.2	1808.3	1943.7	2112.9	2132.4	2144.0	2146.6	2168.0
55°	1669.6	1671.5	1694.9	1743.5	1826.4	1982.0	2238.0	2269.8	2296.9	2320.3	2346.9
57.5°	1598.9	1604.8	1645.6	1721.4	1830.3	2013.1	2370.9	2419.5	2470.7	2532.9	2585.4
60°	1486.1	1499.7	1554.9	1661.1	1792.8	1972.3	2410.4	2484.9	2563.4	2658.0	2763.6
62.5°	1320.8	1323.4	1359.8	1462.8	1608.0	1755.2	2228.9	2324.2	2427.9	2564.7	2712.4
64°	1094.7	1118.1	1134.9	1248.3	1378.0	1561.3	1989.1	2055.2	2199.7	2367.6	2553.6
65°	903.4	931.4	944.9	1058.4	1206.8	1381.8	1780.4	1851.1	2003.4	2173.9	2405.9
67.5°	532.7	514.0	553.5	620.3	744.7	952.1	1201.0	1254.8	1368.2	1571.1	1756.5
70°	343.5	343.5	379.8	447.8	563.3	722.1	825.0	802.4	826.3	904.7	1035.7
72.5°	220.4	232.0	254.0	311.7	418.7	605.4	843.3	736.3	680.6	654.6	653.3
75°	100.5	107.0	130.9	165.3	223.6	394.7	850.3	803.7	752.5	703.3	665.0
77.5°	21.4	24.7	41.5	85.6	108.9	182.1	603.4	673.4	729.1	745.3	745.3
80°	11.0	11.6	17.5	40.2	46.7	61.6	232.7	306.0	377.2	471.2	569.7
82.5°	4.6	5.2	10.3	18.1	19.4	18.8	61.6	77.8	107.0	155.5	232.0
85°	1.3	1.3	4.6	7.2	10.3	8.5	13.6	15.5	20.1	29.2	55.7
87.5°	0.0	0.0	0.7	1.3	2.0	3.3	3.9	3.9	3.9	3.9	3.9
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	79.7	79.7	79.1	78.4	78.4	77.1	77.1	76.5	76.5	75.8	75.8
5°	95.9	94.6	93.3	91.3	90.7	89.4	88.2	86.9	85.6	84.9	83.6
7.5°	119.3	118.0	114.0	111.4	108.3	106.3	103.7	101.8	99.8	98.5	95.9
10°	150.3	145.9	143.9	134.8	132.8	128.4	124.5	121.9	116.7	113.4	110.1
12.5°	194.4	186.0	182.8	167.3	162.7	156.2	151.6	145.2	139.3	135.4	129.6
15°	244.4	237.9	225.6	210.0	201.6	194.4	183.4	178.2	170.4	162.0	153.6
17.5°	304.0	292.3	278.7	258.6	248.2	237.2	226.9	215.8	202.9	195.1	186.0
20°	373.3	361.0	344.2	318.9	306.6	295.5	277.4	269.6	254.0	238.5	226.9
22.5°	449.1	436.8	420.7	392.1	375.9	357.8	342.9	329.2	311.1	295.5	282.0
25°	534.7	520.5	508.1	475.1	455.0	436.2	420.0	396.0	380.5	362.3	343.5
27.5°	631.9	615.1	598.9	562.6	543.8	523.1	503.6	478.3	463.4	433.6	416.1
30°	731.7	711.0	694.1	657.2	640.4	619.0	592.4	569.7	544.5	524.4	495.8
32.5°	836.7	819.9	806.2	767.4	746.0	719.4	695.4	671.4	649.4	617.0	591.1
35°	948.8	934.0	919.1	885.3	866.5	846.4	819.3	790.1	759.6	725.9	702.6
37.5°	1066.8	1055.2	1043.4	1002.6	980.7	959.3	928.1	899.0	871.7	836.1	796.6
40°	1190.6	1179.6	1160.8	1127.1	1103.7	1084.3	1055.8	1028.6	991.6	952.1	917.1
42.5°	1346.1	1322.1	1306.0	1269.0	1244.4	1223.0	1197.8	1156.9	1125.8	1078.5	1044.8
45°	1528.3	1505.6	1479.1	1441.4	1411.0	1376.0	1340.3	1312.5	1273.6	1230.8	1187.4
47.5°	1733.1	1715.0	1683.8	1646.9	1616.5	1581.4	1539.3	1503.6	1456.4	1406.4	1347.5
50°	1958.6	1939.8	1919.1	1877.6	1847.2	1814.2	1781.0	1738.9	1696.2	1636.6	1575.6
52.5°	2168.0	2171.9	2159.5	2140.1	2125.2	2090.9	2060.4	2020.2	1982.6	1928.2	1880.8
55°	2374.7	2408.5	2421.4	2440.2	2446.7	2418.8	2418.2	2359.2	2336.5	2304.8	2277.5
57.5°	2647.6	2722.2	2781.1	2895.2	2943.2	2991.7	3000.9	2959.4	3002.2	2947.1	2965.9
60°	2879.6	3016.4	3162.9	3457.8	3605.5	3717.0	3806.4	3872.6	3915.4	3987.9	3991.8
62.5°	2900.4	3115.6	3338.5	3768.9	3971.1	4140.2	4301.6	4414.4	4503.8	4586.2	4606.3
64°	2801.2	3067.6	3338.5	3859.0	4065.7	4253.7	4400.8	4513.0	4604.3	4655.6	4689.2
65°	2621.0	2919.2	3230.9	3799.4	4012.6	4212.2	4352.9	4465.6	4551.8	4603.0	4638.0
67.5°	1941.8	2230.2	2543.3	3205.0	3540.8	3723.5	3903.7	4061.8	4131.2	4196.0	4208.3
70°	1183.4	1392.8	1608.7	2222.4	2534.2	2862.8	3065.7	3297.0	3459.1	3558.9	3591.9
72.5°	714.2	786.8	915.8	1245.7	1544.5	1775.3	2055.8	2276.9	2458.3	2558.8	2609.4
75°	635.8	626.7	643.6	781.0	887.3	1026.0	1127.7	1266.4	1378.6	1413.6	1479.1
77.5°	735.0	709.0	682.5	656.6	651.4	638.4	617.7	622.9	573.6	526.2	527.5
80°	654.6	716.8	753.8	726.5	665.0	602.8	526.2	431.0	337.0	278.7	254.0
82.5°	328.6	467.3	600.8	733.0	724.0	668.8	584.7	480.3	372.0	285.9	228.2
85°	101.1	179.5	252.7	351.3	407.6	399.9	351.3	341.6	243.7	189.9	146.5
87.5°	4.6	4.6	4.6	3.9	4.6	4.6	4.6	5.2	5.2	5.9	5.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	75.8	75.2	74.5	73.9	73.9	73.9	73.2	73.2	72.6	72.6	71.9
5°	83.6	82.3	81.7	80.4	80.4	79.1	78.4	77.8	76.5	75.8	75.2
7.5°	94.0	92.7	90.7	88.8	88.2	86.2	84.3	83.0	81.7	80.4	79.1
10°	107.6	105.0	101.1	98.5	96.6	94.0	91.3	89.4	86.9	84.3	83.0
12.5°	125.1	119.9	116.0	111.4	107.6	103.7	99.2	96.6	94.0	90.0	87.5
15°	145.2	140.0	135.4	127.7	121.2	116.0	112.1	106.3	101.8	96.6	92.7
17.5°	179.5	166.0	156.8	149.0	142.6	132.8	125.1	118.6	112.7	106.3	101.8
20°	213.2	201.6	189.2	180.2	166.0	157.5	147.2	138.0	127.7	119.9	112.1
22.5°	262.5	247.6	232.0	218.4	199.0	187.3	173.7	162.0	149.0	136.1	127.7
25°	324.7	302.7	282.0	262.5	244.4	226.9	209.3	190.5	176.9	161.4	147.2
27.5°	390.1	365.6	345.5	320.2	296.8	275.4	253.4	233.3	210.0	189.9	173.0
30°	472.5	438.8	415.4	385.0	361.7	331.8	304.7	278.0	249.5	226.2	202.2
32.5°	556.1	533.4	493.9	467.9	432.9	397.3	368.7	338.3	303.4	272.8	243.7
35°	666.2	627.4	594.3	558.0	519.8	482.9	446.0	402.5	366.9	329.2	293.6
37.5°	763.5	724.0	685.7	638.4	595.0	556.1	511.4	466.0	423.9	379.2	336.4
40°	876.3	827.0	781.7	737.6	683.8	637.8	591.1	534.7	486.1	436.8	386.3
42.5°	999.4	949.5	895.7	845.1	786.1	729.8	672.1	615.7	561.3	501.7	442.7
45°	1134.2	1081.8	1021.5	963.7	899.6	837.4	768.7	703.9	639.7	572.9	504.9
47.5°	1301.4	1234.1	1178.3	1106.3	1026.6	961.2	876.9	803.1	729.8	652.0	575.5
50°	1518.0	1441.4	1361.0	1281.3	1193.2	1110.2	1016.9	929.4	831.5	744.7	657.2
52.5°	1805.0	1748.0	1654.7	1563.3	1455.7	1350.1	1221.7	1108.3	982.6	871.7	764.7
55°	2212.8	2175.1	2094.2	1994.3	1900.3	1746.1	1598.2	1422.0	1258.7	1099.3	948.8
57.5°	2950.9	2910.1	2820.0	2796.0	2651.5	2538.1	2365.0	2136.9	1860.1	1616.5	1373.4
60°	4013.9	3934.2	3846.0	3829.8	3660.0	3540.8	3369.0	3126.0	2865.4	2476.5	2145.3
62.5°	4607.6	4583.6	4512.3	4424.8	4277.7	4100.7	3907.6	3672.3	3407.8	3067.0	2672.9
64°	4687.3	4665.2	4603.7	4505.1	4357.4	4181.7	3967.8	3733.2	3468.1	3157.0	2797.3
65°	4637.3	4606.3	4553.8	4463.0	4325.6	4157.1	3941.9	3704.0	3435.1	3135.6	2801.2
67.5°	4234.9	4220.6	4172.7	4088.4	4002.2	3850.5	3661.3	3448.7	3228.9	2932.1	2658.0
70°	3595.8	3585.4	3524.5	3490.8	3348.2	3252.3	3099.4	2932.1	2737.7	2531.0	2297.6
72.5°	2665.8	2630.7	2581.5	2530.3	2433.7	2302.2	2182.9	2004.7	1904.2	1729.9	1598.2
75°	1413.6	1391.5	1315.1	1208.1	1088.8	1027.3	903.4	792.7	704.6	665.0	569.7
77.5°	488.7	445.3	402.5	354.5	281.3	221.7	176.9	141.3	111.4	98.5	82.3
80°	243.7	231.4	217.8	190.5	160.1	129.0	101.1	79.7	65.5	55.7	49.9
82.5°	197.7	175.0	156.2	136.7	109.5	90.0	71.3	58.3	48.0	42.1	36.9
85°	116.7	89.4	68.1	61.6	48.0	41.5	35.6	30.4	26.0	24.7	22.7
87.5°	4.6	5.9	5.9	4.6	5.9	5.2	5.2	4.6	4.6	4.6	4.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	71.9	71.3	71.3	70.6	70.0	70.0	70.0	69.4	68.1	65.5	63.5
5°	74.5	73.9	73.2	71.9	71.3	70.6	70.0	70.0	66.8	62.2	59.0
7.5°	77.8	76.5	75.2	73.9	73.2	71.9	70.6	70.0	65.5	59.6	56.4
10°	81.0	79.1	77.1	76.5	74.5	73.2	71.3	70.0	64.8	57.7	53.1
12.5°	84.9	82.3	79.7	77.8	75.2	73.9	71.9	70.0	63.5	55.7	50.5
15°	89.4	85.6	82.3	80.4	77.8	74.5	71.9	70.0	62.2	53.8	48.0
17.5°	95.3	90.7	86.9	83.0	79.1	75.8	73.2	70.6	60.3	51.2	44.7
20°	104.4	98.5	92.0	87.5	82.3	78.4	73.9	70.6	59.0	48.7	42.1
22.5°	116.7	107.6	100.5	92.7	86.2	81.0	75.8	71.9	57.0	46.0	38.9
25°	134.1	122.5	110.8	101.1	92.7	85.6	79.1	73.9	55.7	44.1	36.9
27.5°	153.6	140.0	124.5	112.7	101.1	90.7	83.6	77.1	55.7	42.8	35.0
30°	180.8	161.4	142.6	127.7	112.1	100.5	90.0	81.7	55.7	42.1	33.0
32.5°	213.9	191.8	167.9	146.5	128.4	111.4	98.5	87.5	57.0	40.8	31.7
35°	259.9	227.5	199.0	172.4	148.5	129.0	112.1	97.2	59.0	40.2	29.8
37.5°	296.2	257.3	221.0	190.5	162.7	138.7	117.3	101.1	57.0	37.6	27.9
40°	339.6	295.5	251.4	213.2	181.5	150.3	125.8	106.3	55.7	34.3	25.3
42.5°	392.1	337.0	285.9	242.4	202.9	166.0	136.7	112.7	55.7	32.4	23.3
45°	441.4	381.1	324.1	269.6	223.6	182.8	147.2	119.9	55.1	30.4	20.7
47.5°	502.3	431.0	364.3	301.4	248.2	198.3	158.1	126.4	54.4	28.6	18.8
50°	574.2	487.4	412.2	337.0	272.2	217.1	171.1	133.5	53.1	26.6	16.8
52.5°	654.0	560.7	464.7	377.9	302.0	237.2	183.4	140.0	51.2	24.7	14.9
55°	795.3	666.9	553.5	446.0	347.4	267.1	201.6	149.7	49.3	22.7	12.9
57.5°	1134.2	921.7	760.9	598.9	457.6	342.9	250.8	177.6	46.7	20.1	10.3
60°	1781.0	1430.4	1157.6	908.0	692.2	526.2	369.4	262.5	49.9	16.8	9.1
62.5°	2284.7	1881.5	1534.1	1221.0	948.2	720.7	538.0	392.1	71.9	14.9	7.2
64°	2416.2	2007.9	1637.2	1309.2	1025.3	790.7	600.2	443.4	92.7	14.9	6.5
65°	2435.6	2046.8	1674.1	1341.6	1051.9	809.5	618.3	460.2	101.1	15.5	5.9
67.5°	2355.3	2024.1	1685.1	1355.3	1072.0	835.4	643.0	486.7	114.0	14.9	4.6
70°	2057.1	1813.5	1534.8	1267.7	1011.1	794.0	618.3	471.8	119.3	14.2	3.9
72.5°	1399.9	1232.1	1067.4	878.2	703.9	580.1	451.1	332.5	83.6	11.6	3.3
75°	466.6	455.0	407.0	308.5	259.3	210.6	168.6	129.6	31.7	7.2	3.3
77.5°	77.8	66.8	58.3	55.7	46.7	45.4	39.5	31.7	13.6	4.6	3.3
80°	45.4	41.5	36.3	32.4	28.6	25.3	21.4	18.1	8.5	3.3	3.9
82.5°	33.7	29.8	26.6	23.3	20.1	17.5	14.9	12.3	4.6	3.3	3.9
85°	19.4	16.8	14.9	12.9	10.3	9.1	7.8	6.5	3.3	3.3	3.3
87.5°	3.9	3.9	3.3	3.3	3.3	3.3	3.3	2.6	3.3	3.3	2.6
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):

	125°	135°	145°	155°	165°	175°	180°
0°	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2.5°	62.2	60.3	59.6	59.6	59.6	59.6	59.6
5°	57.0	55.1	53.8	53.1	53.1	53.1	53.1
7.5°	53.1	50.5	49.3	48.0	48.0	47.3	47.3
10°	49.3	46.7	44.7	43.4	42.8	42.8	42.8
12.5°	46.0	43.4	40.8	39.5	39.5	38.9	38.9
15°	43.4	39.5	37.6	36.3	36.3	35.6	35.6
17.5°	40.2	36.9	35.0	33.7	33.0	33.0	33.0
20°	36.9	33.7	31.7	31.1	30.4	30.4	29.8
22.5°	34.3	31.1	29.2	28.6	27.9	27.9	27.3
25°	31.7	28.6	26.6	26.0	25.3	24.7	24.7
27.5°	29.8	26.6	24.7	23.3	22.7	22.0	22.0
30°	27.9	24.0	22.0	20.7	20.1	19.4	19.4
32.5°	26.0	22.0	19.4	18.1	17.5	16.8	16.8
35°	23.3	19.4	16.8	16.2	15.5	14.9	14.2
37.5°	21.4	16.8	14.9	13.6	12.9	12.3	12.3
40°	18.8	14.9	12.9	11.6	10.3	9.8	9.8
42.5°	16.8	12.9	11.0	9.1	8.5	7.8	7.8
45°	14.9	11.6	9.1	7.2	6.5	5.9	5.9
47.5°	12.9	9.8	7.2	5.9	5.2	4.6	4.6
50°	11.0	7.8	5.2	3.9	4.6	3.9	3.9
52.5°	9.8	5.9	3.9	3.9	3.9	3.9	3.9
55°	7.8	4.6	3.3	3.3	3.9	3.9	3.9
57.5°	6.5	3.3	2.6	3.3	3.3	3.3	3.3
60°	4.6	2.6	2.6	3.3	3.3	3.3	3.3
62.5°	3.9	2.6	2.6	2.6	3.3	3.3	3.3
64°	3.3	2.6	2.6	2.6	3.3	3.3	3.3
65°	3.3	2.6	2.6	2.6	3.3	3.3	3.3
67.5°	3.3	2.6	2.6	2.6	3.3	3.3	3.3
70°	2.6	2.6	2.6	2.6	3.3	3.3	3.3
72.5°	2.6	2.6	2.6	2.6	3.3	3.3	3.3
75°	2.6	2.6	2.6	2.6	3.3	3.3	3.3
77.5°	2.6	2.6	2.6	3.3	3.3	3.3	3.3
80°	2.6	2.6	2.6	3.3	3.3	3.3	3.3
82.5°	2.6	2.6	2.6	3.3	3.3	3.3	3.3
85°	2.6	2.6	2.6	3.3	3.3	3.3	3.3
87.5°	2.6	2.6	2.6	3.3	3.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)