

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: P181198

Luminaire Tested: **ICM-F06-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181198
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-F06-LED-E1-T2-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6227.1 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

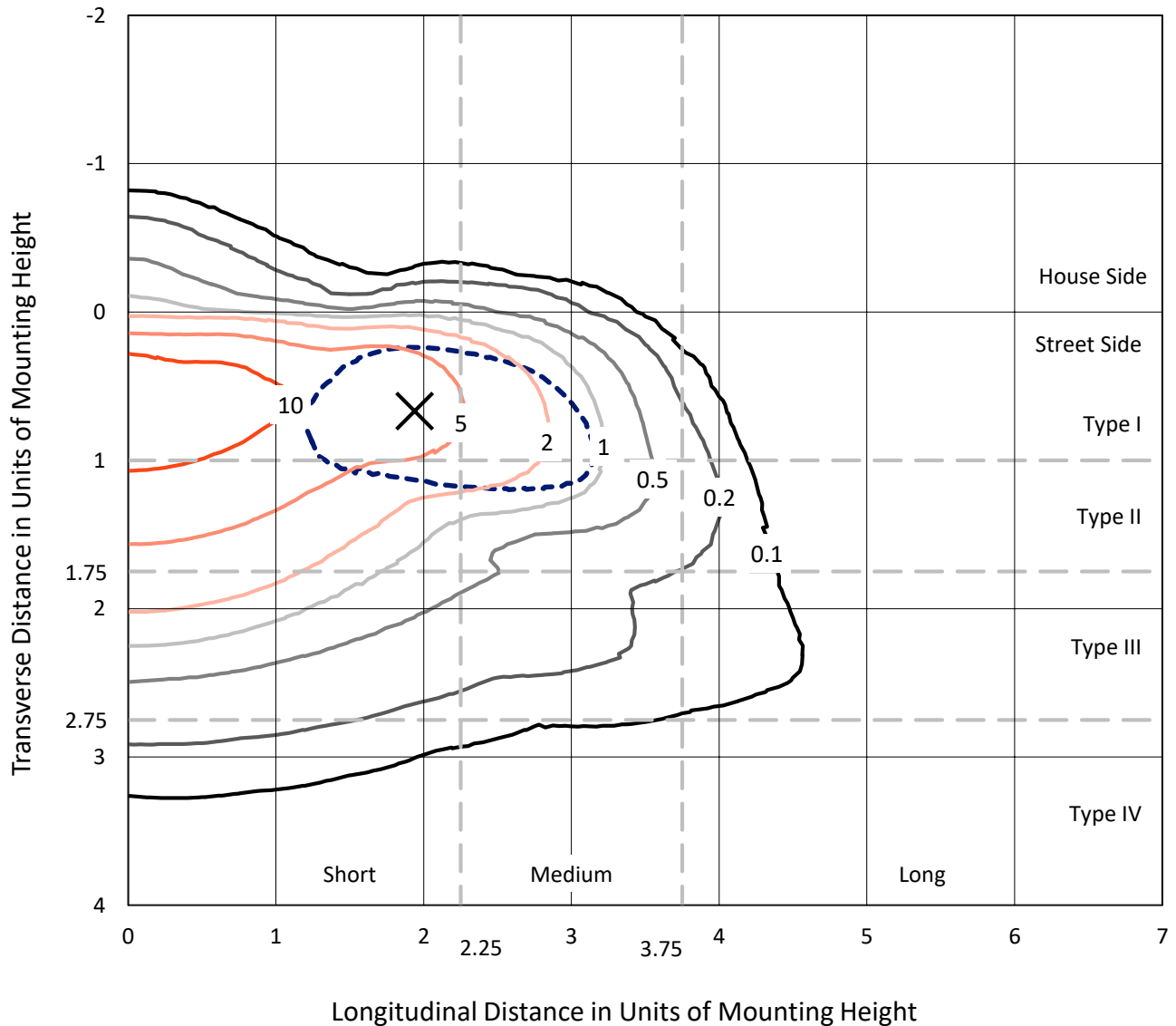
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

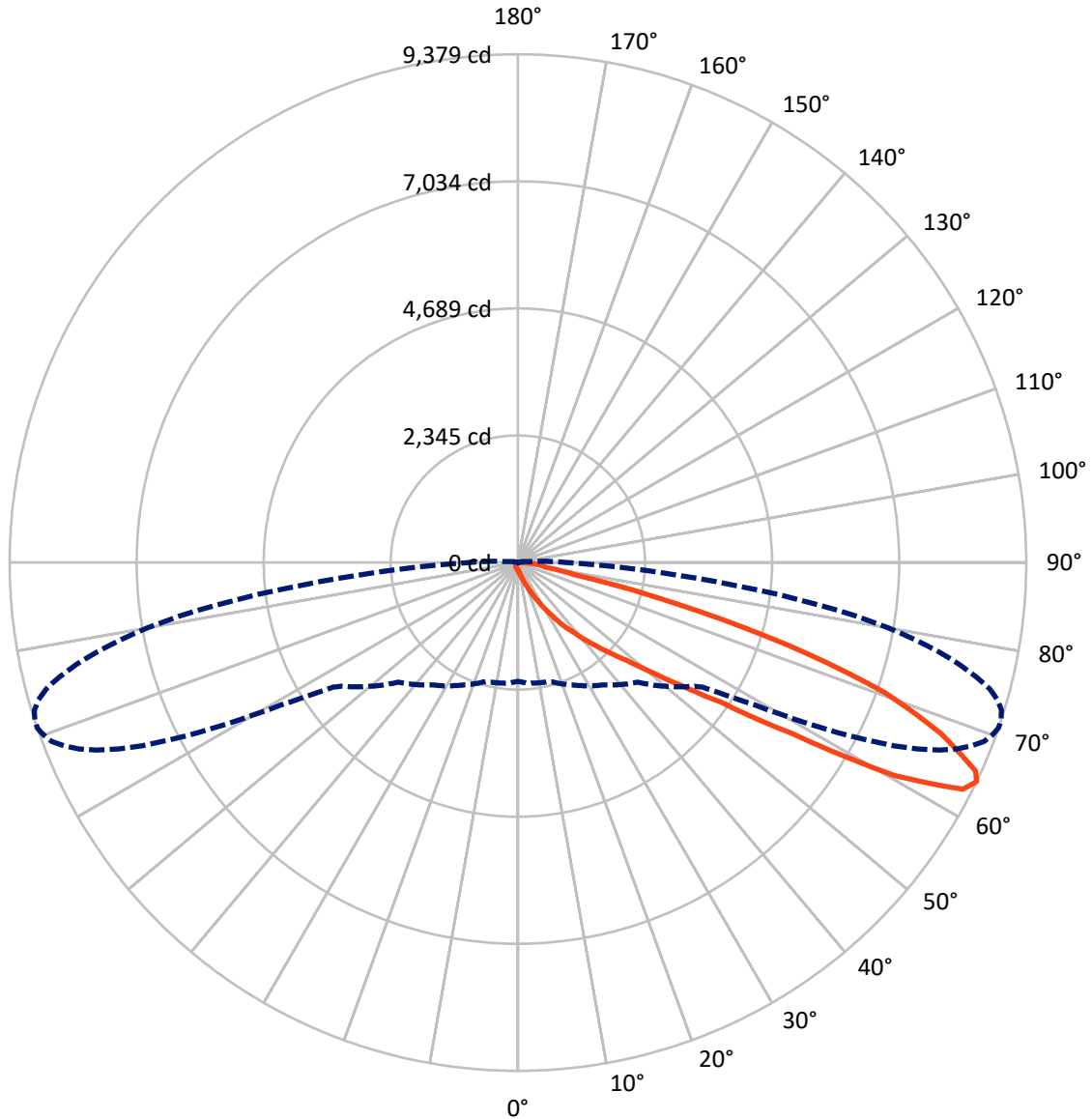
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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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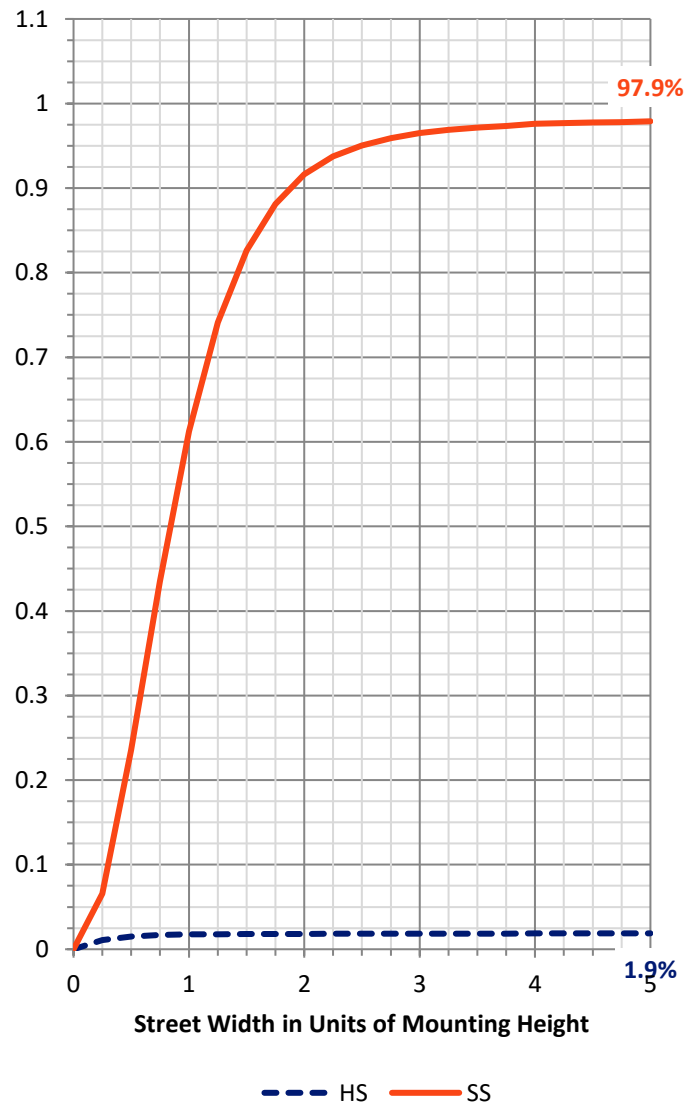
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	119.3	0.0	119.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6107.9	0.0	6107.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	6227.1	0.0	6227.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.3
10°-20°	112.6	1.8
20°-30°	287.6	4.6
30°-40°	581.7	9.3
40°-50°	1063.3	17.1
50°-60°	1656.5	26.6
60°-70°	1841.3	29.6
70°-80°	600.5	9.6
80°-90°	64.6	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°	6227.1	100.0
0°-180°	6227.1	100.0



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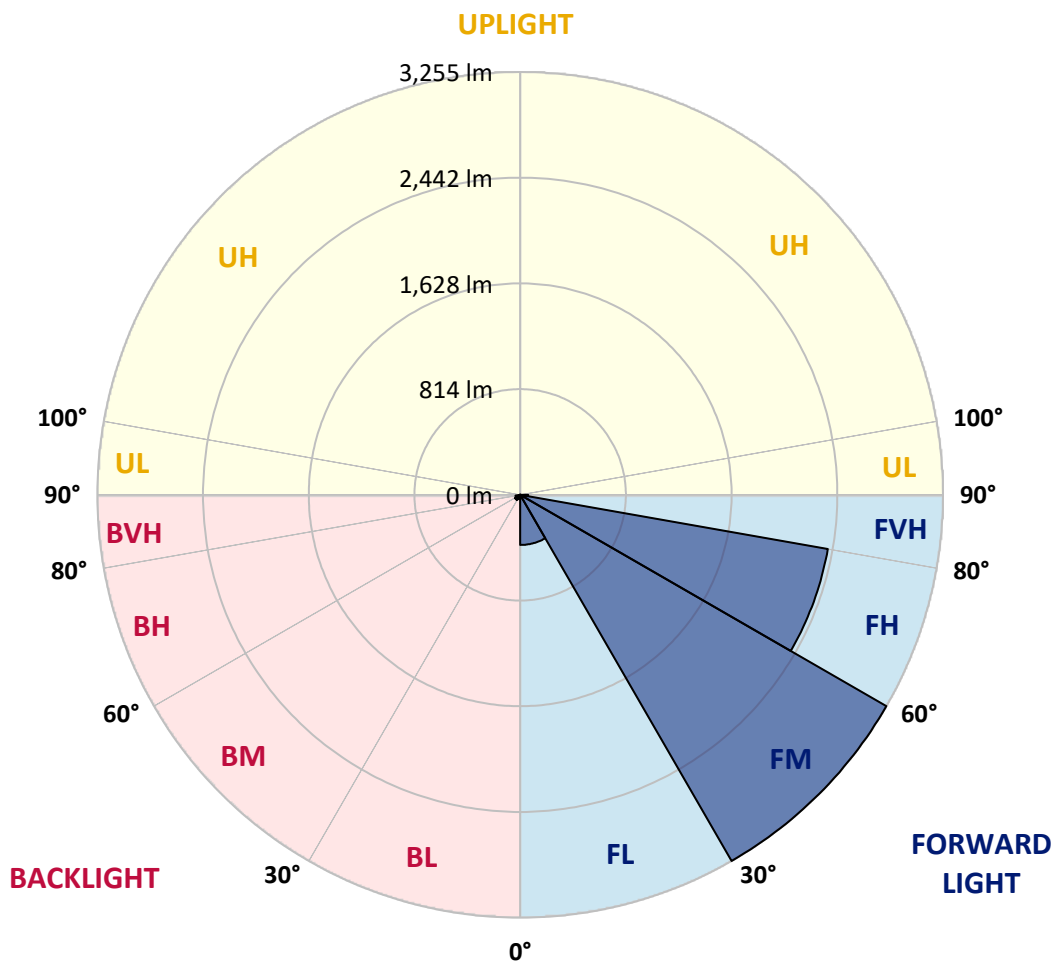
CATALOG NUMBER: ICM-F06-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.0	6.2			
FM (30°-60°)	3255.4	52.3			
FH (60°-80°)	2405.0	38.6			G2/5000
FVH (80°-90°)	61.5	1.0			G1/100
BL (0°-30°)	33.2	0.5	B0/110		
BM (30°-60°)	46.1	0.7	B0/220		
BH (60°-80°)	36.8	0.6	B0/110		G0/110
BVH (80°-90°)	3.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	186.7	184.1	184.1	180.2	175.0	169.8	164.7	163.3	162.0	160.7	160.7
5°	292.9	282.6	278.7	264.5	246.3	224.3	204.8	199.6	199.6	195.7	193.1
7.5°	460.2	455.0	427.7	413.5	370.7	317.6	261.9	256.7	255.4	250.1	242.4
10°	674.1	663.7	644.3	602.8	525.0	432.9	353.9	340.9	331.8	321.5	311.1
12.5°	887.9	875.0	846.4	779.1	701.3	583.4	456.3	444.7	430.3	416.1	399.3
15°	1101.9	1092.8	1048.7	981.3	880.2	738.9	578.1	557.4	545.8	517.2	504.3
17.5°	1287.2	1275.5	1240.6	1164.0	1059.1	903.4	712.9	687.0	667.5	650.7	619.6
20°	1447.9	1436.3	1402.5	1339.1	1221.0	1068.1	858.1	845.1	810.1	784.3	766.1
22.5°	1546.4	1542.5	1520.5	1459.5	1354.6	1218.5	1024.0	1003.3	980.0	944.9	924.2
25°	1607.4	1603.5	1590.5	1547.7	1476.5	1376.7	1206.8	1180.9	1160.2	1129.0	1103.1
27.5°	1670.9	1668.3	1657.9	1620.3	1582.7	1520.5	1392.2	1378.0	1332.6	1314.4	1289.8
30°	1775.9	1764.2	1773.3	1755.2	1707.2	1668.3	1578.8	1558.1	1538.7	1507.5	1485.5
32.5°	1943.1	1923.6	1943.1	1923.6	1902.9	1856.3	1770.7	1764.2	1744.8	1725.3	1694.2
35°	2147.9	2140.1	2155.6	2172.6	2155.6	2093.5	1989.8	1970.3	1962.5	1931.5	1919.7
37.5°	2354.0	2368.3	2396.8	2434.3	2424.0	2378.6	2232.2	2214.0	2199.7	2172.6	2151.8
40°	2575.6	2576.9	2637.9	2692.3	2719.6	2692.3	2499.2	2484.9	2465.5	2426.6	2421.4
42.5°	2816.8	2806.4	2851.7	2912.7	2968.4	3006.1	2851.7	2824.6	2797.3	2753.2	2723.5
45°	3030.6	3030.6	3067.0	3124.0	3209.5	3304.2	3223.8	3195.3	3169.3	3133.0	3099.4
47.5°	3188.8	3190.1	3212.1	3295.1	3428.6	3569.9	3572.5	3577.7	3558.3	3515.5	3516.8
50°	3300.3	3286.0	3315.8	3396.2	3550.4	3772.1	3931.6	3940.7	3956.2	3921.2	3931.6
52.5°	3382.0	3375.5	3394.9	3462.3	3616.6	3887.5	4225.8	4264.7	4288.0	4293.2	4336.0
55°	3339.2	3343.1	3389.7	3486.9	3652.9	3963.9	4476.0	4539.5	4594.0	4640.6	4693.8
57.5°	3197.9	3209.5	3291.2	3442.9	3660.7	4026.2	4741.7	4838.9	4941.3	5065.8	5170.8
60°	2972.3	2999.6	3109.7	3322.3	3585.4	3944.5	4820.8	4969.9	5126.7	5315.9	5527.3
62.5°	2641.8	2647.0	2719.6	2925.7	3216.0	3510.3	4457.8	4648.4	4855.8	5129.3	5424.9
64°	2189.4	2236.0	2269.8	2496.6	2755.8	3122.7	3978.3	4110.4	4399.5	4735.2	5107.3
65°	1807.0	1862.7	1890.0	2116.8	2413.6	2763.6	3560.9	3702.2	4006.7	4347.7	4811.8
67.5°	1065.5	1027.9	1107.0	1240.6	1489.4	1904.2	2402.0	2509.6	2736.4	3142.2	3512.9
70°	687.0	687.0	759.6	895.7	1126.4	1444.0	1650.1	1604.8	1652.8	1809.6	2071.5
72.5°	440.7	464.1	508.1	623.5	837.4	1210.7	1686.4	1472.6	1361.0	1309.2	1306.6
75°	200.9	213.9	261.9	330.5	447.2	789.4	1700.7	1607.4	1504.9	1406.4	1330.0
77.5°	42.8	49.3	83.0	171.1	217.8	364.3	1206.8	1346.8	1458.3	1490.7	1490.7
80°	22.0	23.3	35.0	80.4	93.3	123.2	465.4	611.8	754.4	942.4	1139.4
82.5°	9.1	10.3	20.7	36.3	38.9	37.6	123.2	155.5	213.9	311.1	464.1
85°	2.6	2.6	9.1	14.2	20.7	16.8	27.3	31.1	40.2	58.3	111.4
87.5°	0.0	0.0	1.3	2.6	3.9	6.5	7.8	7.8	7.8	7.8	7.8
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°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	159.4	159.4	158.1	156.8	156.8	154.2	154.2	152.9	152.9	151.6	151.6
5°	191.8	189.2	186.7	182.8	181.5	178.9	176.3	173.7	171.1	169.8	167.3
7.5°	238.5	235.9	228.2	223.0	216.5	212.6	207.4	203.5	199.6	197.0	191.8
10°	300.7	291.6	287.8	269.6	265.8	256.7	248.8	243.7	233.3	226.9	220.4
12.5°	388.8	372.0	365.6	334.4	325.4	312.4	303.4	290.3	278.7	270.9	259.3
15°	488.7	475.7	451.1	420.0	403.2	388.8	366.9	356.5	340.9	324.1	307.3
17.5°	607.9	584.7	557.4	517.2	496.5	474.4	453.7	431.6	405.8	390.1	372.0
20°	746.6	722.1	688.3	637.8	613.1	591.1	554.8	539.3	508.1	477.0	453.7
22.5°	898.3	873.7	841.3	784.3	751.8	715.5	685.7	658.5	622.2	591.1	563.9
25°	1069.4	1040.9	1016.3	950.1	910.0	872.4	840.0	792.0	760.9	724.7	687.0
27.5°	1263.8	1230.1	1197.8	1125.1	1087.5	1046.1	1007.2	956.7	926.8	867.2	832.2
30°	1463.5	1422.0	1388.3	1314.4	1280.7	1238.0	1184.8	1139.4	1088.8	1048.7	991.6
32.5°	1673.5	1639.7	1612.6	1534.8	1492.0	1438.9	1390.9	1342.9	1298.9	1234.1	1182.1
35°	1897.7	1867.9	1838.1	1770.7	1733.1	1692.9	1638.4	1580.1	1519.2	1451.8	1405.1
37.5°	2133.7	2110.3	2087.0	2005.3	1961.2	1918.4	1856.3	1797.9	1743.5	1672.2	1593.1
40°	2381.2	2359.2	2321.6	2254.2	2207.5	2168.7	2111.6	2057.1	1983.3	1904.2	1834.2
42.5°	2692.3	2644.4	2611.9	2538.1	2488.9	2446.1	2395.5	2313.8	2251.6	2156.9	2089.6
45°	3056.6	3011.2	2958.1	2882.9	2822.0	2751.9	2680.7	2624.9	2547.2	2461.6	2374.7
47.5°	3466.2	3429.9	3367.6	3293.8	3232.9	3162.9	3078.6	3007.4	2912.7	2812.9	2694.9
50°	3917.3	3879.7	3838.3	3755.3	3694.3	3628.2	3562.2	3477.9	3392.3	3273.0	3151.2
52.5°	4336.0	4343.7	4319.1	4280.2	4250.4	4181.7	4120.8	4040.4	3965.2	3856.4	3761.8
55°	4749.5	4816.9	4842.8	4880.4	4893.4	4837.6	4836.3	4718.4	4673.1	4609.5	4555.1
57.5°	5295.2	5444.3	5562.3	5790.4	5886.4	5983.6	6001.7	5918.7	6004.3	5894.1	5931.7
60°	5759.3	6032.8	6325.7	6915.6	7211.1	7434.1	7613.0	7745.2	7830.7	7975.9	7983.7
62.5°	5800.8	6231.1	6677.1	7537.7	7942.2	8280.5	8603.3	8828.8	9007.7	9172.3	9212.5
64°	5602.5	6135.2	6677.1	7717.9	8131.4	8507.4	8801.6	9025.8	9208.6	9311.0	9378.5
65°	5242.1	5838.4	6461.9	7598.7	8025.2	8424.4	8705.7	8931.2	9103.6	9206.0	9276.1
67.5°	3883.6	4460.4	5086.5	6410.0	7081.4	7447.0	7807.4	8123.7	8262.4	8392.0	8416.6
70°	2367.0	2785.7	3217.3	4444.9	5068.4	5725.6	6131.3	6594.1	6918.2	7117.7	7183.9
72.5°	1428.5	1573.7	1831.6	2491.5	3088.9	3550.4	4111.7	4553.8	4916.7	5117.6	5218.7
75°	1271.6	1253.5	1287.2	1562.0	1774.6	2052.0	2255.5	2532.9	2757.1	2827.2	2958.1
77.5°	1470.0	1418.1	1364.9	1313.1	1302.7	1276.8	1235.4	1245.7	1147.2	1052.6	1055.2
80°	1309.2	1433.7	1507.5	1453.1	1330.0	1205.5	1052.6	862.1	674.1	557.4	508.1
82.5°	657.2	934.6	1201.6	1466.1	1447.9	1337.8	1169.2	960.6	744.1	571.6	456.3
85°	202.2	359.1	505.6	702.6	815.4	799.8	702.6	683.2	487.4	379.8	292.9
87.5°	9.1	9.1	9.1	7.8	9.1	9.1	9.1	10.3	10.3	11.6	11.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	151.6	150.3	149.0	147.8	147.8	147.8	146.5	146.5	145.2	145.2	143.9
5°	167.3	164.7	163.3	160.7	160.7	158.1	156.8	155.5	152.9	151.6	150.3
7.5°	188.0	185.4	181.5	177.6	176.3	172.4	168.6	166.0	163.3	160.7	158.1
10°	215.2	210.0	202.2	197.0	193.1	188.0	182.8	178.9	173.7	168.6	166.0
12.5°	250.1	239.8	232.0	223.0	215.2	207.4	198.3	193.1	188.0	180.2	175.0
15°	290.3	280.0	270.9	255.4	242.4	232.0	224.3	212.6	203.5	193.1	185.4
17.5°	359.1	331.8	313.7	298.1	285.2	265.8	250.1	237.2	225.6	212.6	203.5
20°	426.5	403.2	378.5	360.4	331.8	315.0	294.2	276.1	255.4	239.8	224.3
22.5°	525.0	495.2	464.1	436.8	398.0	374.6	347.4	324.1	298.1	272.2	255.4
25°	649.4	605.4	563.9	525.0	488.7	453.7	418.7	381.1	353.9	322.8	294.2
27.5°	780.4	731.1	690.9	640.4	593.7	550.9	506.8	466.6	420.0	379.8	346.1
30°	944.9	877.6	830.9	770.0	723.4	663.7	609.2	556.1	499.1	452.4	404.5
32.5°	1112.2	1066.8	987.7	935.9	865.9	794.6	737.6	676.7	606.6	545.8	487.4
35°	1332.6	1254.8	1188.7	1116.1	1039.6	965.7	891.8	804.9	733.7	658.5	587.2
37.5°	1527.0	1447.9	1371.5	1276.8	1190.0	1112.2	1022.7	932.0	847.7	758.3	672.7
40°	1752.6	1654.1	1563.3	1475.2	1367.5	1275.5	1182.1	1069.4	972.2	873.7	772.6
42.5°	1998.8	1899.0	1791.5	1690.3	1572.4	1459.5	1344.2	1231.4	1122.5	1003.3	885.3
45°	2268.5	2163.5	2042.9	1927.5	1799.2	1674.8	1537.4	1407.7	1279.4	1145.9	1009.8
47.5°	2602.9	2468.1	2356.6	2212.8	2053.3	1922.3	1753.9	1606.1	1459.5	1304.0	1151.1
50°	3035.8	2882.9	2722.2	2562.7	2386.4	2220.5	2033.9	1858.8	1663.1	1489.4	1314.4
52.5°	3610.1	3496.0	3309.3	3126.6	2911.4	2700.1	2443.5	2216.6	1965.1	1743.5	1529.6
55°	4425.4	4350.3	4188.2	3988.6	3800.7	3492.1	3196.6	2844.0	2517.3	2198.4	1897.7
57.5°	5901.9	5820.2	5640.0	5592.0	5303.0	5076.1	4730.1	4273.8	3720.3	3232.9	2746.8
60°	8027.8	7868.3	7692.0	7659.6	7320.0	7081.4	6738.0	6251.9	5730.7	4953.1	4290.6
62.5°	9215.1	9167.1	9024.5	8849.5	8555.3	8201.4	7815.1	7344.6	6815.8	6133.9	5345.8
64°	9374.6	9330.5	9207.3	9010.3	8714.8	8363.5	7935.7	7466.5	6936.3	6314.1	5594.6
65°	9274.8	9212.5	9107.5	8926.0	8651.2	8314.2	7883.9	7408.1	6870.2	6271.3	5602.5
67.5°	8469.7	8441.3	8345.4	8176.8	8004.4	7701.1	7322.6	6897.4	6458.0	5864.3	5315.9
70°	7191.7	7170.9	7049.1	6981.6	6696.5	6504.6	6198.7	5864.3	5475.4	5061.9	4595.3
72.5°	5331.5	5261.5	5163.0	5060.6	4867.5	4604.3	4365.8	4009.3	3808.4	3459.7	3196.6
75°	2827.2	2783.1	2630.2	2416.2	2177.7	2054.6	1807.0	1585.3	1409.0	1330.0	1139.4
77.5°	977.4	890.5	804.9	709.0	562.6	443.4	353.9	282.6	223.0	197.0	164.7
80°	487.4	462.8	435.5	381.1	320.2	258.0	202.2	159.4	130.9	111.4	99.8
82.5°	395.4	350.0	312.4	273.5	219.1	180.2	142.6	116.7	95.9	84.3	73.9
85°	233.3	178.9	136.1	123.2	95.9	83.0	71.3	60.9	51.8	49.3	45.4
87.5°	9.1	11.6	11.6	9.1	11.6	10.3	10.3	9.1	9.1	9.1	9.1
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°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	143.9	142.6	142.6	141.3	140.0	140.0	140.0	138.7	136.1	130.9	127.1
5°	149.0	147.8	146.5	143.9	142.6	141.3	140.0	140.0	133.5	124.5	118.0
7.5°	155.5	152.9	150.3	147.8	146.5	143.9	141.3	140.0	130.9	119.3	112.7
10°	162.0	158.1	154.2	152.9	149.0	146.5	142.6	140.0	129.6	115.3	106.3
12.5°	169.8	164.7	159.4	155.5	150.3	147.8	143.9	140.0	127.1	111.4	101.1
15°	178.9	171.1	164.7	160.7	155.5	149.0	143.9	140.0	124.5	107.6	95.9
17.5°	190.5	181.5	173.7	166.0	158.1	151.6	146.5	141.3	120.6	102.4	89.4
20°	208.7	197.0	184.1	175.0	164.7	156.8	147.8	141.3	118.0	97.2	84.3
22.5°	233.3	215.2	200.9	185.4	172.4	162.0	151.6	143.9	114.0	92.0	77.8
25°	268.3	245.0	221.7	202.2	185.4	171.1	158.1	147.8	111.4	88.2	73.9
27.5°	307.3	280.0	248.8	225.6	202.2	181.5	167.3	154.2	111.4	85.6	70.0
30°	361.7	322.8	285.2	255.4	224.3	200.9	180.2	163.3	111.4	84.3	66.1
32.5°	427.7	383.7	335.7	292.9	256.7	223.0	197.0	175.0	114.0	81.7	63.5
35°	519.8	455.0	398.0	344.8	296.8	258.0	224.3	194.4	118.0	80.4	59.6
37.5°	592.4	514.6	442.0	381.1	325.4	277.4	234.6	202.2	114.0	75.2	55.7
40°	679.3	591.1	503.0	426.5	363.0	300.7	251.4	212.6	111.4	68.7	50.5
42.5°	784.3	674.1	571.6	484.8	405.8	331.8	273.5	225.6	111.4	64.8	46.7
45°	882.8	762.2	648.1	539.3	447.2	365.6	294.2	239.8	110.1	60.9	41.5
47.5°	1004.6	862.1	728.5	602.8	496.5	396.7	316.3	252.7	108.9	57.0	37.6
50°	1148.5	974.8	824.4	674.1	544.5	434.2	342.2	267.1	106.3	53.1	33.7
52.5°	1307.9	1121.3	929.4	755.7	604.1	474.4	366.9	280.0	102.4	49.3	29.8
55°	1590.5	1333.9	1107.0	891.8	694.8	534.0	403.2	299.4	98.5	45.4	26.0
57.5°	2268.5	1843.3	1521.8	1197.8	915.2	685.7	501.7	355.2	93.3	40.2	20.7
60°	3562.2	2860.9	2315.1	1816.1	1384.4	1052.6	738.9	525.0	99.8	33.7	18.1
62.5°	4569.3	3763.0	3068.2	2442.2	1896.4	1441.4	1075.9	784.3	143.9	29.8	14.2
64°	4832.5	4015.8	3274.3	2618.4	2050.7	1581.4	1200.4	886.6	185.4	29.8	12.9
65°	4871.4	4093.6	3348.2	2683.3	2103.8	1619.0	1236.7	920.4	202.2	31.1	11.6
67.5°	4710.6	4048.2	3370.3	2710.4	2144.0	1670.9	1285.9	973.5	228.2	29.8	9.1
70°	4114.4	3626.9	3069.5	2535.5	2022.2	1587.9	1236.7	943.6	238.5	28.6	7.8
72.5°	2799.9	2464.2	2134.9	1756.5	1407.7	1160.2	902.2	665.0	167.3	23.3	6.5
75°	933.3	910.0	814.1	617.0	518.5	421.3	337.0	259.3	63.5	14.2	6.5
77.5°	155.5	133.5	116.7	111.4	93.3	90.7	79.1	63.5	27.3	9.1	6.5
80°	90.7	83.0	72.6	64.8	57.0	50.5	42.8	36.3	16.8	6.5	7.8
82.5°	67.4	59.6	53.1	46.7	40.2	35.0	29.8	24.7	9.1	6.5	7.8
85°	38.9	33.7	29.8	26.0	20.7	18.1	15.5	12.9	6.5	6.5	6.5
87.5°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	5.2	6.5	6.5	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):

	125°	135°	145°	155°	165°	175°	180°
0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	124.5	120.6	119.3	119.3	119.3	119.3	119.3
5°	114.0	110.1	107.6	106.3	106.3	106.3	106.3
7.5°	106.3	101.1	98.5	95.9	95.9	94.6	94.6
10°	98.5	93.3	89.4	86.9	85.6	85.6	85.6
12.5°	92.0	86.9	81.7	79.1	79.1	77.8	77.8
15°	86.9	79.1	75.2	72.6	72.6	71.3	71.3
17.5°	80.4	73.9	70.0	67.4	66.1	66.1	66.1
20°	73.9	67.4	63.5	62.2	60.9	60.9	59.6
22.5°	68.7	62.2	58.3	57.0	55.7	55.7	54.4
25°	63.5	57.0	53.1	51.8	50.5	49.3	49.3
27.5°	59.6	53.1	49.3	46.7	45.4	44.1	44.1
30°	55.7	48.0	44.1	41.5	40.2	38.9	38.9
32.5°	51.8	44.1	38.9	36.3	35.0	33.7	33.7
35°	46.7	38.9	33.7	32.4	31.1	29.8	28.6
37.5°	42.8	33.7	29.8	27.3	26.0	24.7	24.7
40°	37.6	29.8	26.0	23.3	20.7	19.4	19.4
42.5°	33.7	26.0	22.0	18.1	16.8	15.5	15.5
45°	29.8	23.3	18.1	14.2	12.9	11.6	11.6
47.5°	26.0	19.4	14.2	11.6	10.3	9.1	9.1
50°	22.0	15.5	10.3	7.8	9.1	7.8	7.8
52.5°	19.4	11.6	7.8	7.8	7.8	7.8	7.8
55°	15.5	9.1	6.5	6.5	7.8	7.8	7.8
57.5°	12.9	6.5	5.2	6.5	6.5	6.5	6.5
60°	9.1	5.2	5.2	6.5	6.5	6.5	6.5
62.5°	7.8	5.2	5.2	5.2	6.5	6.5	6.5
64°	6.5	5.2	5.2	5.2	6.5	6.5	6.5
65°	6.5	5.2	5.2	5.2	6.5	6.5	6.5
67.5°	6.5	5.2	5.2	5.2	6.5	6.5	6.5
70°	5.2	5.2	5.2	5.2	6.5	6.5	6.5
72.5°	5.2	5.2	5.2	5.2	6.5	6.5	6.5
75°	5.2	5.2	5.2	5.2	6.5	6.5	6.5
77.5°	5.2	5.2	5.2	6.5	6.5	6.5	6.5
80°	5.2	5.2	5.2	6.5	6.5	6.5	6.5
82.5°	5.2	5.2	5.2	6.5	6.5	6.5	6.5
85°	5.2	5.2	5.2	6.5	6.5	6.5	6.5
87.5°	5.2	5.2	5.2	6.5	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)