

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: P181172

Luminaire Tested: **ICM-E03-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181172
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-E03-LED-E1-T2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4468.8 lumens
Efficiency: N/A
Efficacy: 59.4 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): 75.2
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

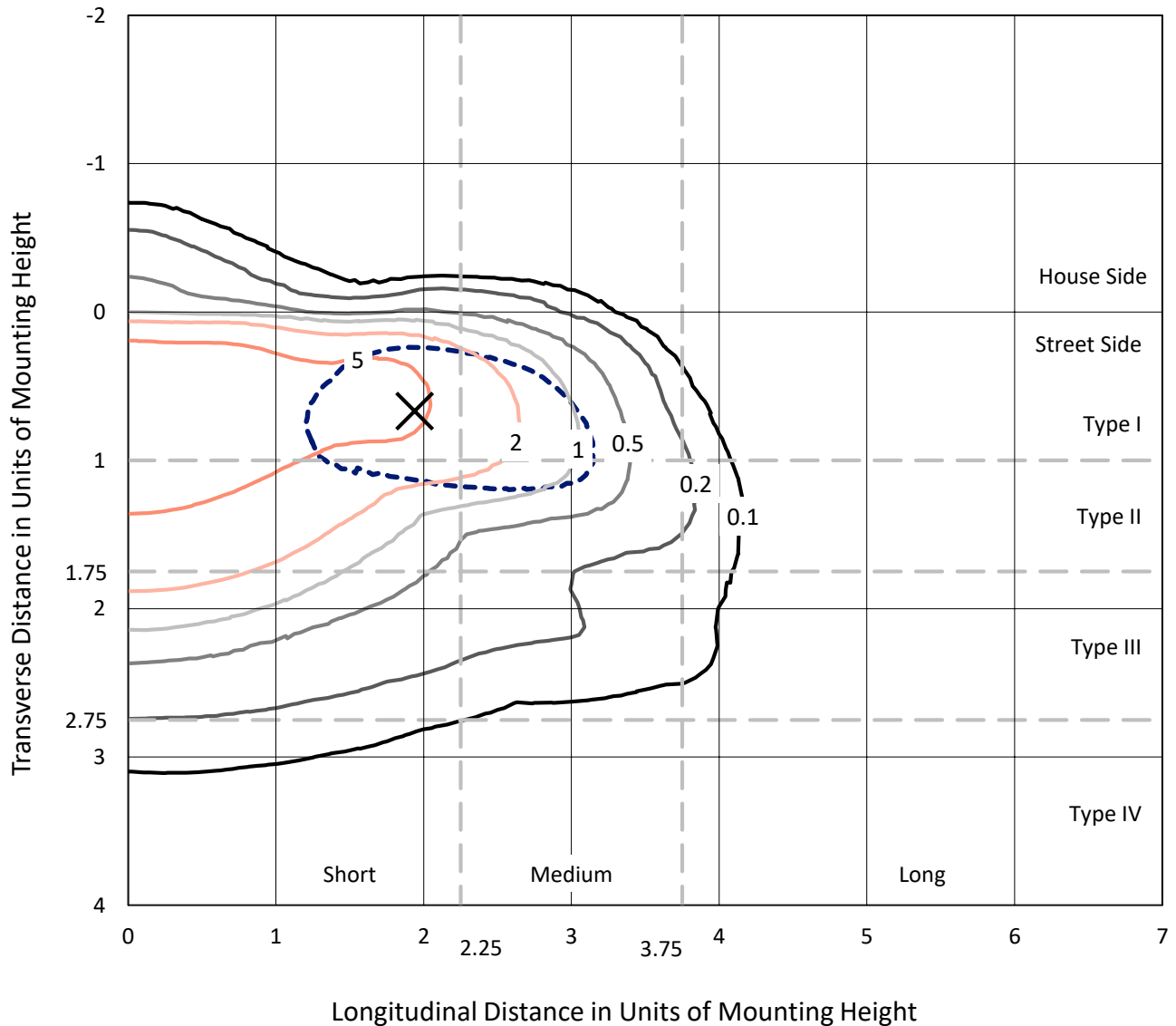


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Iso-Footcandle Lines of Horizontal Illumination

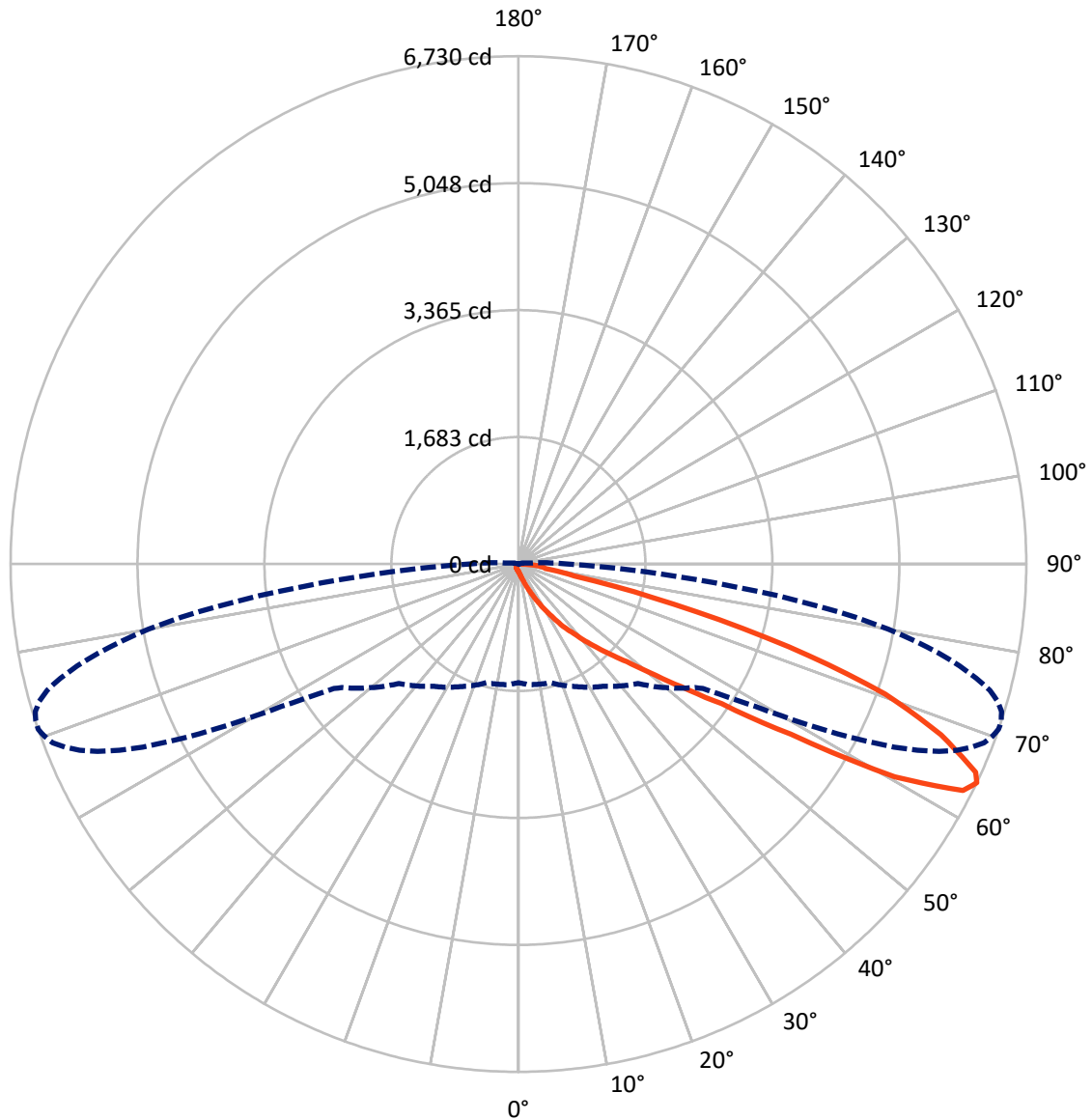
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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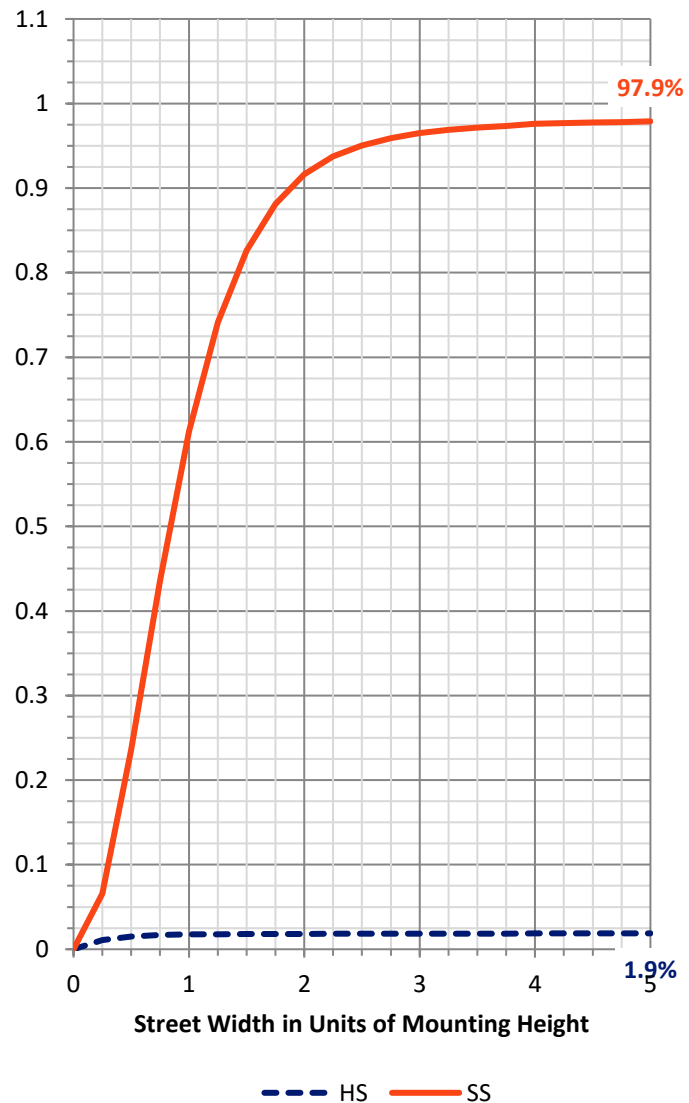
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.6	0.0	85.6
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4383.2	0.0	4383.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	4468.8	0.0	4468.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.3
10°-20°	80.8	1.8
20°-30°	206.4	4.6
30°-40°	417.4	9.3
40°-50°	763.0	17.1
50°-60°	1188.8	26.6
60°-70°	1321.4	29.6
70°-80°	430.9	9.6
80°-90°	46.4	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°	4468.8	100.0
0°-180°	4468.8	100.0



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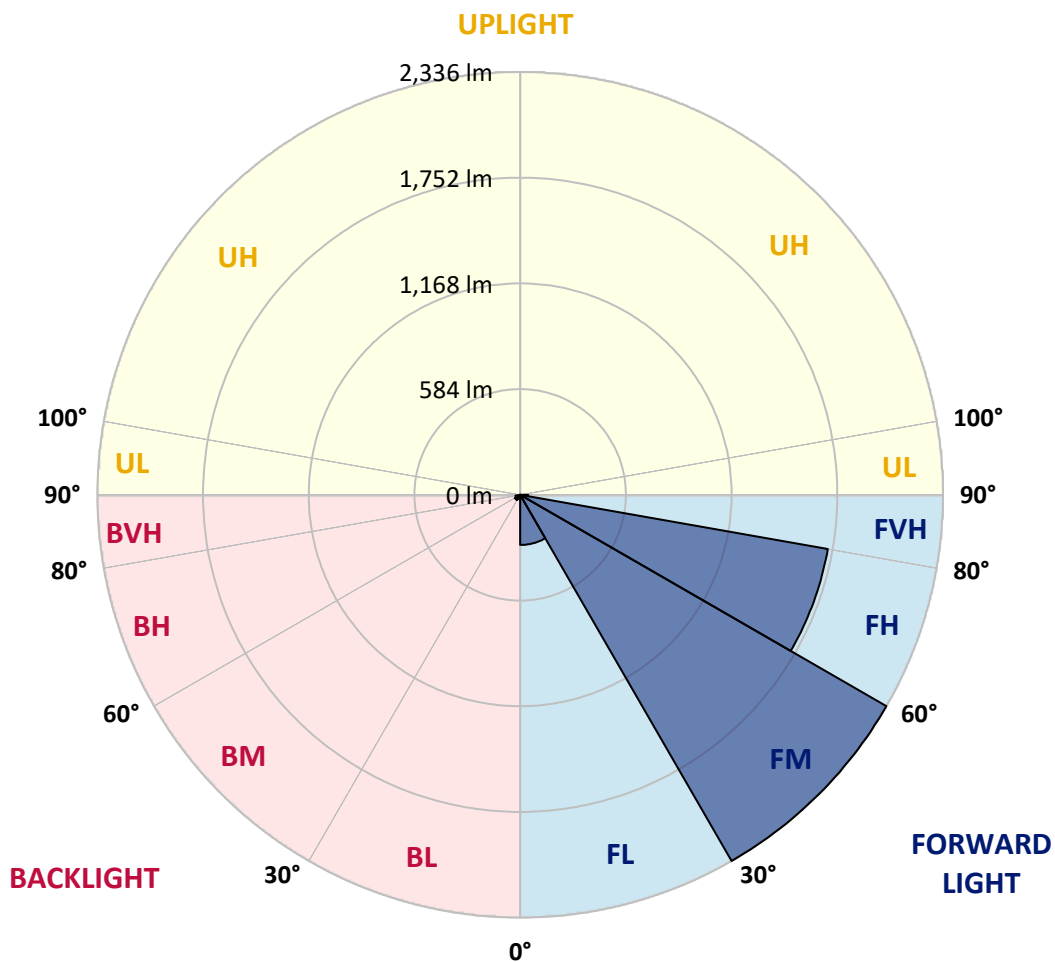
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.0	6.2			
FM (30°-60°)	2336.2	52.3			
FH (60°-80°)	1725.9	38.6			G1/1800
FVH (80°-90°)	44.1	1.0			G1/100
BL (0°-30°)	23.8	0.5	B0/110		
BM (30°-60°)	33.1	0.7	B0/220		
BH (60°-80°)	26.4	0.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	134.0	132.1	132.1	129.3	125.6	121.9	118.1	117.2	116.3	115.3	115.3
5°	210.2	202.8	200.0	189.8	176.7	160.9	147.0	143.3	143.3	140.5	138.6
7.5°	330.2	326.5	307.0	296.7	266.0	227.9	187.9	184.2	183.3	179.5	174.0
10°	483.7	476.3	462.3	432.6	376.7	310.7	254.0	244.7	238.1	230.7	223.3
12.5°	637.2	627.9	607.4	559.1	503.3	418.6	327.4	319.1	308.8	298.6	286.5
15°	790.7	784.2	752.6	704.2	631.6	530.2	414.9	400.0	391.6	371.2	361.9
17.5°	923.7	915.4	890.2	835.4	760.0	648.4	511.6	493.0	479.1	467.0	444.7
20°	1039.1	1030.7	1006.5	960.9	876.3	766.5	615.8	606.5	581.4	562.8	549.8
22.5°	1109.8	1107.0	1091.2	1047.4	972.1	874.4	734.9	720.0	703.3	678.1	663.3
25°	1153.5	1150.7	1141.4	1110.7	1059.5	987.9	866.1	847.4	832.6	810.2	791.6
27.5°	1199.1	1197.2	1189.8	1162.8	1135.8	1091.2	999.1	988.8	956.3	943.3	925.6
30°	1274.4	1266.1	1272.6	1259.5	1225.1	1197.2	1133.0	1118.1	1104.2	1081.9	1066.1
32.5°	1394.4	1380.5	1394.4	1380.5	1365.6	1332.1	1270.7	1266.1	1252.1	1238.1	1215.8
35°	1541.4	1535.8	1547.0	1559.1	1547.0	1502.3	1427.9	1414.0	1408.4	1386.1	1377.7
37.5°	1689.3	1699.5	1720.0	1747.0	1739.5	1707.0	1601.9	1588.8	1578.6	1559.1	1544.2
40°	1848.4	1849.3	1893.0	1932.1	1951.6	1932.1	1793.5	1783.3	1769.3	1741.4	1737.7
42.5°	2021.4	2014.0	2046.5	2090.2	2130.2	2157.2	2046.5	2027.0	2007.5	1975.8	1954.4
45°	2174.9	2174.9	2200.9	2241.9	2303.3	2371.2	2313.5	2293.0	2274.4	2248.4	2224.2
47.5°	2288.4	2289.3	2305.1	2364.7	2460.5	2561.9	2563.7	2567.5	2553.5	2522.8	2523.7
50°	2368.4	2358.2	2379.5	2437.2	2547.9	2707.0	2821.4	2827.9	2839.1	2814.0	2821.4
52.5°	2427.0	2422.3	2436.3	2484.7	2595.4	2789.8	3032.6	3060.5	3077.2	3080.9	3111.6
55°	2396.3	2399.1	2432.6	2502.3	2621.4	2844.7	3212.1	3257.7	3296.8	3330.3	3368.4
57.5°	2294.9	2303.3	2361.9	2470.7	2627.0	2889.3	3402.8	3472.6	3546.1	3635.4	3710.7
60°	2133.0	2152.6	2231.6	2384.2	2573.0	2830.7	3459.6	3566.5	3679.1	3814.9	3966.5
62.5°	1895.8	1899.5	1951.6	2099.5	2307.9	2519.1	3199.1	3335.8	3484.7	3681.0	3893.0
64°	1571.2	1604.7	1628.8	1791.6	1977.7	2240.9	2854.9	2949.8	3157.2	3398.2	3665.1
65°	1296.8	1336.8	1356.3	1519.1	1732.1	1983.3	2555.4	2656.8	2875.4	3120.0	3453.0
67.5°	764.7	737.7	794.4	890.2	1068.8	1366.5	1723.7	1800.9	1963.7	2254.9	2520.9
70°	493.0	493.0	545.1	642.8	808.4	1036.3	1184.2	1151.6	1186.1	1298.6	1486.5
72.5°	316.3	333.0	364.7	447.4	600.9	868.8	1210.2	1056.8	976.8	939.5	937.7
75°	144.2	153.5	187.9	237.2	320.9	566.5	1220.5	1153.5	1080.0	1009.3	954.4
77.5°	30.7	35.3	59.5	122.8	156.3	261.4	866.1	966.5	1046.5	1069.8	1069.8
80°	15.8	16.7	25.1	57.7	67.0	88.4	334.0	439.1	541.4	676.3	817.7
82.5°	6.5	7.4	14.9	26.0	27.9	27.0	88.4	111.6	153.5	223.3	333.0
85°	1.9	1.9	6.5	10.2	14.9	12.1	19.5	22.3	28.8	41.9	80.0
87.5°	0.0	0.0	0.9	1.9	2.8	4.7	5.6	5.6	5.6	5.6	5.6
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°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	114.4	114.4	113.5	112.6	112.6	110.7	110.7	109.8	109.8	108.8	108.8
5°	137.7	135.8	134.0	131.2	130.2	128.4	126.5	124.7	122.8	121.9	120.0
7.5°	171.2	169.3	163.7	160.0	155.3	152.6	148.8	146.0	143.3	141.4	137.7
10°	215.8	209.3	206.5	193.5	190.7	184.2	178.6	174.9	167.4	162.8	158.1
12.5°	279.1	267.0	262.3	240.0	233.5	224.2	217.7	208.4	200.0	194.4	186.0
15°	350.7	341.4	323.7	301.4	289.3	279.1	263.3	255.8	244.7	232.6	220.5
17.5°	436.3	419.5	400.0	371.2	356.3	340.5	325.6	309.8	291.2	280.0	267.0
20°	535.8	518.1	494.0	457.7	440.0	424.2	398.1	387.0	364.7	342.3	325.6
22.5°	644.7	627.0	603.7	562.8	539.5	513.5	492.1	472.6	446.5	424.2	404.7
25°	767.4	747.0	729.3	681.9	653.0	626.1	602.8	568.4	546.0	520.0	493.0
27.5°	907.0	882.8	859.5	807.4	780.5	750.7	722.8	686.5	665.1	622.3	597.2
30°	1050.2	1020.5	996.3	943.3	919.1	888.4	850.2	817.7	781.4	752.6	711.6
32.5°	1200.9	1176.8	1157.2	1101.4	1070.7	1032.6	998.1	963.7	932.1	885.6	848.4
35°	1361.9	1340.5	1319.1	1270.7	1243.7	1214.9	1175.8	1134.0	1090.2	1041.9	1008.4
37.5°	1531.2	1514.4	1497.7	1439.1	1407.5	1376.8	1332.1	1290.2	1251.2	1200.0	1143.3
40°	1708.8	1693.0	1666.1	1617.7	1584.2	1556.3	1515.4	1476.3	1423.3	1366.5	1316.3
42.5°	1932.1	1897.7	1874.4	1821.4	1786.1	1755.4	1719.1	1660.5	1615.8	1547.9	1499.5
45°	2193.5	2160.9	2122.8	2068.8	2025.1	1974.9	1923.7	1883.7	1827.9	1766.5	1704.2
47.5°	2487.5	2461.4	2416.8	2363.7	2320.0	2269.8	2209.3	2158.2	2090.2	2018.6	1934.0
50°	2811.2	2784.2	2754.4	2694.9	2651.2	2603.7	2556.3	2495.8	2434.4	2348.9	2261.4
52.5°	3111.6	3117.2	3099.6	3071.6	3050.3	3000.9	2957.2	2899.6	2845.6	2767.5	2699.6
55°	3408.4	3456.8	3475.4	3502.3	3511.6	3471.6	3470.7	3386.1	3353.5	3307.9	3268.9
57.5°	3800.0	3907.0	3991.7	4155.4	4224.2	4294.0	4307.0	4247.5	4308.9	4229.8	4256.8
60°	4133.0	4329.3	4539.6	4962.8	5174.9	5334.9	5463.3	5558.2	5619.6	5723.8	5729.3
62.5°	4162.8	4471.7	4791.7	5409.3	5699.6	5942.4	6174.0	6335.9	6464.2	6582.4	6611.2
64°	4020.5	4402.8	4791.7	5538.6	5835.4	6105.2	6316.3	6477.2	6608.4	6681.9	6730.3
65°	3761.9	4189.8	4637.2	5453.1	5759.1	6045.6	6247.5	6409.3	6533.1	6606.6	6656.8
67.5°	2787.0	3200.9	3650.3	4600.0	5081.9	5344.2	5602.8	5829.8	5929.3	6022.4	6040.0
70°	1698.6	1999.1	2308.9	3189.8	3637.2	4108.9	4400.0	4732.1	4964.7	5107.9	5155.4
72.5°	1025.1	1129.3	1314.4	1787.9	2216.8	2547.9	2950.7	3267.9	3528.4	3672.6	3745.1
75°	912.6	899.5	923.7	1120.9	1273.5	1472.6	1618.6	1817.7	1978.6	2028.8	2122.8
77.5°	1054.9	1017.7	979.5	942.3	934.9	916.3	886.5	894.0	823.3	755.4	757.2
80°	939.5	1028.8	1081.9	1042.8	954.4	865.1	755.4	618.6	483.7	400.0	364.7
82.5°	471.6	670.7	862.3	1052.1	1039.1	960.0	839.1	689.3	534.0	410.2	327.4
85°	145.1	257.7	362.8	504.2	585.1	574.0	504.2	490.2	349.8	272.6	210.2
87.5°	6.5	6.5	6.5	5.6	6.5	6.5	6.5	7.4	7.4	8.4	8.4
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°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	108.8	107.9	107.0	106.0	106.0	106.0	105.1	105.1	104.2	104.2	103.3
5°	120.0	118.1	117.2	115.3	115.3	113.5	112.6	111.6	109.8	108.8	107.9
7.5°	134.9	133.0	130.2	127.4	126.5	123.7	120.9	119.1	117.2	115.3	113.5
10°	154.4	150.7	145.1	141.4	138.6	134.9	131.2	128.4	124.7	120.9	119.1
12.5°	179.5	172.1	166.5	160.0	154.4	148.8	142.3	138.6	134.9	129.3	125.6
15°	208.4	200.9	194.4	183.3	174.0	166.5	160.9	152.6	146.0	138.6	133.0
17.5°	257.7	238.1	225.1	214.0	204.7	190.7	179.5	170.2	161.9	152.6	146.0
20°	306.0	289.3	271.6	258.6	238.1	226.0	211.2	198.1	183.3	172.1	160.9
22.5°	376.7	355.4	333.0	313.5	285.6	268.8	249.3	232.6	214.0	195.4	183.3
25°	466.0	434.4	404.7	376.7	350.7	325.6	300.5	273.5	254.0	231.6	211.2
27.5°	560.0	524.7	495.8	459.5	426.0	395.4	363.7	334.9	301.4	272.6	248.4
30°	678.1	629.8	596.3	552.6	519.1	476.3	437.2	399.1	358.1	324.7	290.2
32.5°	798.1	765.6	708.8	671.6	621.4	570.2	529.3	485.6	435.4	391.6	349.8
35°	956.3	900.5	853.0	800.9	746.1	693.0	640.0	577.7	526.5	472.6	421.4
37.5°	1095.8	1039.1	984.2	916.3	854.0	798.1	734.0	668.8	608.4	544.2	482.8
40°	1257.7	1187.0	1121.9	1058.6	981.4	915.4	848.4	767.4	697.7	627.0	554.4
42.5°	1434.4	1362.8	1285.6	1213.0	1128.4	1047.4	964.7	883.7	805.6	720.0	635.4
45°	1627.9	1552.6	1466.1	1383.3	1291.2	1201.9	1103.3	1010.2	918.1	822.3	724.7
47.5°	1867.9	1771.2	1691.2	1587.9	1473.5	1379.5	1258.6	1152.6	1047.4	935.8	826.1
50°	2178.6	2068.8	1953.5	1839.1	1712.6	1593.5	1459.5	1334.0	1193.5	1068.8	943.3
52.5°	2590.7	2508.9	2374.9	2243.7	2089.3	1937.7	1753.5	1590.7	1410.2	1251.2	1097.7
55°	3175.8	3121.9	3005.6	2862.3	2727.5	2506.1	2294.0	2040.9	1806.5	1577.7	1361.9
57.5°	4235.4	4176.8	4047.5	4013.0	3805.6	3642.8	3394.4	3067.0	2669.8	2320.0	1971.2
60°	5761.0	5646.5	5520.0	5496.8	5253.1	5081.9	4835.4	4486.5	4112.6	3554.4	3079.1
62.5°	6613.1	6578.6	6476.3	6350.7	6139.6	5885.6	5608.4	5270.7	4891.2	4401.9	3836.3
64°	6727.5	6695.9	6607.5	6466.1	6254.0	6001.9	5694.9	5358.2	4977.7	4531.2	4014.9
65°	6655.9	6611.2	6535.9	6405.6	6208.4	5966.5	5657.7	5316.3	4930.3	4500.5	4020.5
67.5°	6078.2	6057.7	5988.9	5867.9	5744.2	5526.5	5254.9	4949.8	4634.4	4208.4	3814.9
70°	5161.0	5146.1	5058.6	5010.3	4805.6	4667.9	4448.4	4208.4	3929.3	3632.6	3297.7
72.5°	3826.1	3775.8	3705.1	3631.7	3493.0	3304.2	3133.0	2877.2	2733.0	2482.8	2294.0
75°	2028.8	1997.2	1887.5	1734.0	1562.8	1474.4	1296.8	1137.7	1011.2	954.4	817.7
77.5°	701.4	639.1	577.7	508.8	403.7	318.1	254.0	202.8	160.0	141.4	118.1
80°	349.8	332.1	312.6	273.5	229.8	185.1	145.1	114.4	94.0	80.0	71.6
82.5°	283.7	251.2	224.2	196.3	157.2	129.3	102.3	83.7	68.8	60.5	53.0
85°	167.4	128.4	97.7	88.4	68.8	59.5	51.2	43.7	37.2	35.3	32.6
87.5°	6.5	8.4	8.4	6.5	8.4	7.4	7.4	6.5	6.5	6.5	6.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	103.3	102.3	102.3	101.4	100.5	100.5	100.5	99.5	97.7	94.0	91.2
5°	107.0	106.0	105.1	103.3	102.3	101.4	100.5	100.5	95.8	89.3	84.7
7.5°	111.6	109.8	107.9	106.0	105.1	103.3	101.4	100.5	94.0	85.6	80.9
10°	116.3	113.5	110.7	109.8	107.0	105.1	102.3	100.5	93.0	82.8	76.3
12.5°	121.9	118.1	114.4	111.6	107.9	106.0	103.3	100.5	91.2	80.0	72.6
15°	128.4	122.8	118.1	115.3	111.6	107.0	103.3	100.5	89.3	77.2	68.8
17.5°	136.7	130.2	124.7	119.1	113.5	108.8	105.1	101.4	86.5	73.5	64.2
20°	149.8	141.4	132.1	125.6	118.1	112.6	106.0	101.4	84.7	69.8	60.5
22.5°	167.4	154.4	144.2	133.0	123.7	116.3	108.8	103.3	81.9	66.0	55.8
25°	192.6	175.8	159.1	145.1	133.0	122.8	113.5	106.0	80.0	63.3	53.0
27.5°	220.5	200.9	178.6	161.9	145.1	130.2	120.0	110.7	80.0	61.4	50.2
30°	259.5	231.6	204.7	183.3	160.9	144.2	129.3	117.2	80.0	60.5	47.4
32.5°	307.0	275.4	240.9	210.2	184.2	160.0	141.4	125.6	81.9	58.6	45.6
35°	373.0	326.5	285.6	247.4	213.0	185.1	160.9	139.5	84.7	57.7	42.8
37.5°	425.1	369.3	317.2	273.5	233.5	199.1	168.4	145.1	81.9	54.0	40.0
40°	487.4	424.2	360.9	306.0	260.5	215.8	180.5	152.6	80.0	49.3	36.3
42.5°	562.8	483.7	410.2	347.9	291.2	238.1	196.3	161.9	80.0	46.5	33.5
45°	633.5	547.0	465.1	387.0	320.9	262.3	211.2	172.1	79.1	43.7	29.8
47.5°	720.9	618.6	522.8	432.6	356.3	284.7	227.0	181.4	78.1	40.9	27.0
50°	824.2	699.5	591.6	483.7	390.7	311.6	245.6	191.6	76.3	38.1	24.2
52.5°	938.6	804.7	667.0	542.3	433.5	340.5	263.3	200.9	73.5	35.3	21.4
55°	1141.4	957.2	794.4	640.0	498.6	383.3	289.3	214.9	70.7	32.6	18.6
57.5°	1627.9	1322.8	1092.1	859.5	656.7	492.1	360.0	254.9	67.0	28.8	14.9
60°	2556.3	2053.0	1661.4	1303.3	993.5	755.4	530.2	376.7	71.6	24.2	13.0
62.5°	3279.1	2700.5	2201.9	1752.6	1360.9	1034.4	772.1	562.8	103.3	21.4	10.2
64°	3467.9	2881.9	2349.8	1879.1	1471.6	1134.9	861.4	636.3	133.0	21.4	9.3
65°	3495.8	2937.7	2402.8	1925.6	1509.8	1161.9	887.4	660.5	145.1	22.3	8.4
67.5°	3380.5	2905.1	2418.6	1945.1	1538.6	1199.1	922.8	698.6	163.7	21.4	6.5
70°	2952.6	2602.8	2202.8	1819.5	1451.2	1139.5	887.4	677.2	171.2	20.5	5.6
72.5°	2009.3	1768.4	1532.1	1260.5	1010.2	832.6	647.4	477.2	120.0	16.7	4.7
75°	669.8	653.0	584.2	442.8	372.1	302.3	241.9	186.0	45.6	10.2	4.7
77.5°	111.6	95.8	83.7	80.0	67.0	65.1	56.7	45.6	19.5	6.5	4.7
80°	65.1	59.5	52.1	46.5	40.9	36.3	30.7	26.0	12.1	4.7	5.6
82.5°	48.4	42.8	38.1	33.5	28.8	25.1	21.4	17.7	6.5	4.7	5.6
85°	27.9	24.2	21.4	18.6	14.9	13.0	11.2	9.3	4.7	4.7	4.7
87.5°	5.6	5.6	4.7	4.7	4.7	4.7	4.7	3.7	4.7	4.7	3.7
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):

	125°	135°	145°	155°	165°	175°	180°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	89.3	86.5	85.6	85.6	85.6	85.6	85.6
5°	81.9	79.1	77.2	76.3	76.3	76.3	76.3
7.5°	76.3	72.6	70.7	68.8	68.8	67.9	67.9
10°	70.7	67.0	64.2	62.3	61.4	61.4	61.4
12.5°	66.0	62.3	58.6	56.7	56.7	55.8	55.8
15°	62.3	56.7	54.0	52.1	52.1	51.2	51.2
17.5°	57.7	53.0	50.2	48.4	47.4	47.4	47.4
20°	53.0	48.4	45.6	44.7	43.7	43.7	42.8
22.5°	49.3	44.7	41.9	40.9	40.0	40.0	39.1
25°	45.6	40.9	38.1	37.2	36.3	35.3	35.3
27.5°	42.8	38.1	35.3	33.5	32.6	31.6	31.6
30°	40.0	34.4	31.6	29.8	28.8	27.9	27.9
32.5°	37.2	31.6	27.9	26.0	25.1	24.2	24.2
35°	33.5	27.9	24.2	23.3	22.3	21.4	20.5
37.5°	30.7	24.2	21.4	19.5	18.6	17.7	17.7
40°	27.0	21.4	18.6	16.7	14.9	14.0	14.0
42.5°	24.2	18.6	15.8	13.0	12.1	11.2	11.2
45°	21.4	16.7	13.0	10.2	9.3	8.4	8.4
47.5°	18.6	14.0	10.2	8.4	7.4	6.5	6.5
50°	15.8	11.2	7.4	5.6	6.5	5.6	5.6
52.5°	14.0	8.4	5.6	5.6	5.6	5.6	5.6
55°	11.2	6.5	4.7	4.7	5.6	5.6	5.6
57.5°	9.3	4.7	3.7	4.7	4.7	4.7	4.7
60°	6.5	3.7	3.7	4.7	4.7	4.7	4.7
62.5°	5.6	3.7	3.7	3.7	4.7	4.7	4.7
64°	4.7	3.7	3.7	3.7	4.7	4.7	4.7
65°	4.7	3.7	3.7	3.7	4.7	4.7	4.7
67.5°	4.7	3.7	3.7	3.7	4.7	4.7	4.7
70°	3.7	3.7	3.7	3.7	4.7	4.7	4.7
72.5°	3.7	3.7	3.7	3.7	4.7	4.7	4.7
75°	3.7	3.7	3.7	3.7	4.7	4.7	4.7
77.5°	3.7	3.7	3.7	4.7	4.7	4.7	4.7
80°	3.7	3.7	3.7	4.7	4.7	4.7	4.7
82.5°	3.7	3.7	3.7	4.7	4.7	4.7	4.7
85°	3.7	3.7	3.7	4.7	4.7	4.7	4.7
87.5°	3.7	3.7	3.7	4.7	4.7	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)