

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: P181358

Luminaire Tested: **ICM-E05-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181358
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E05-LED-E1-T3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6925.8 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

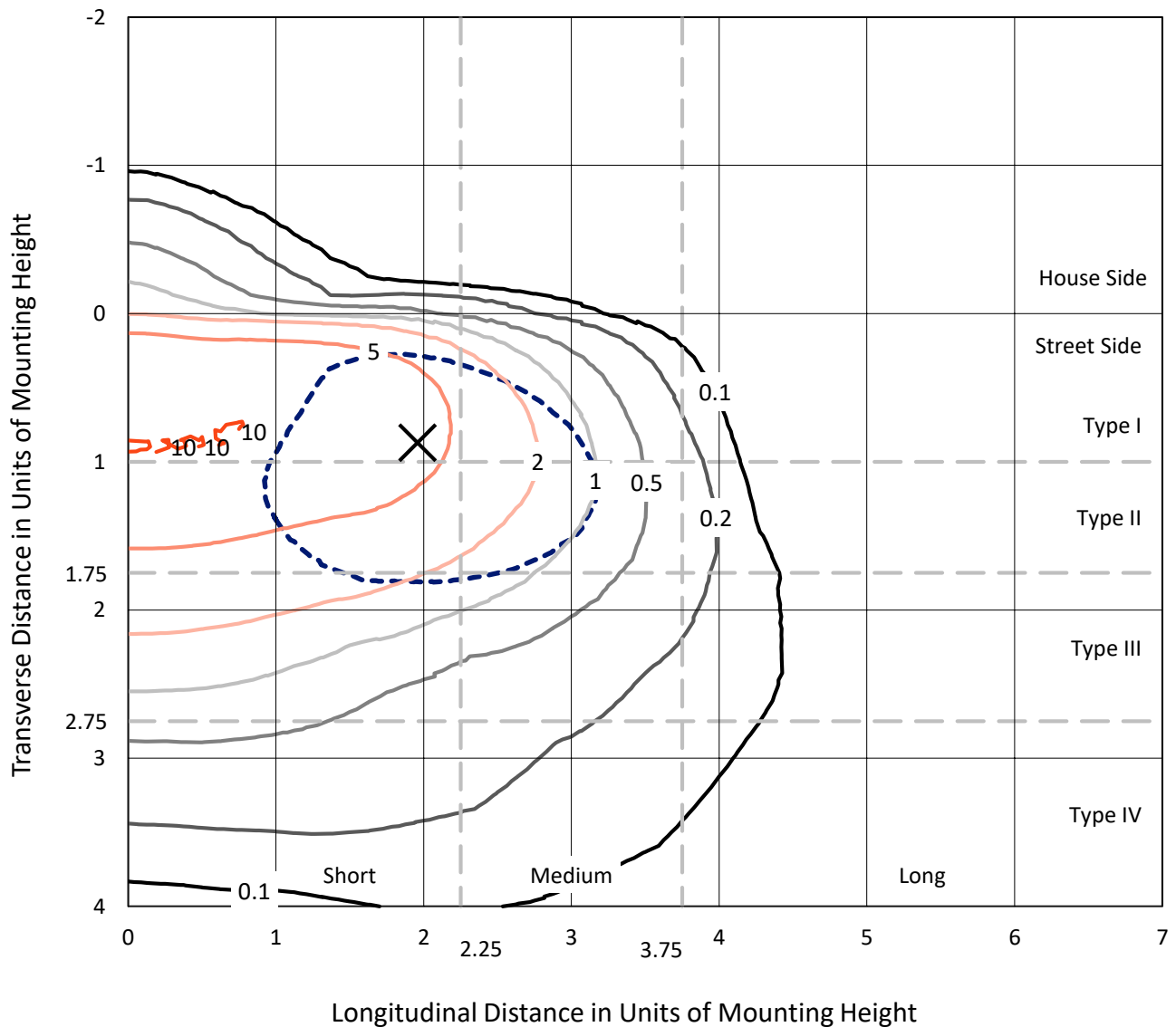
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

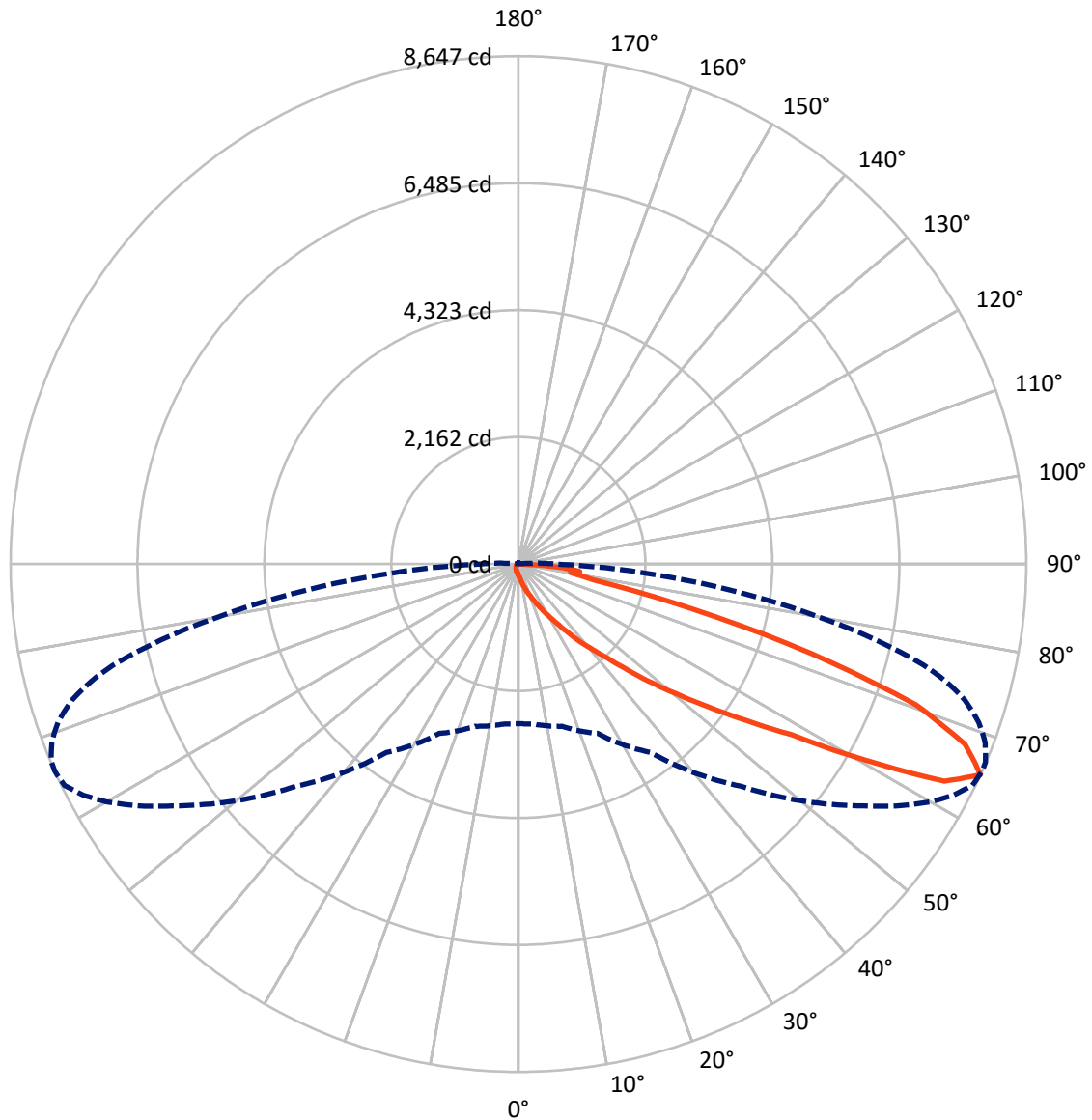
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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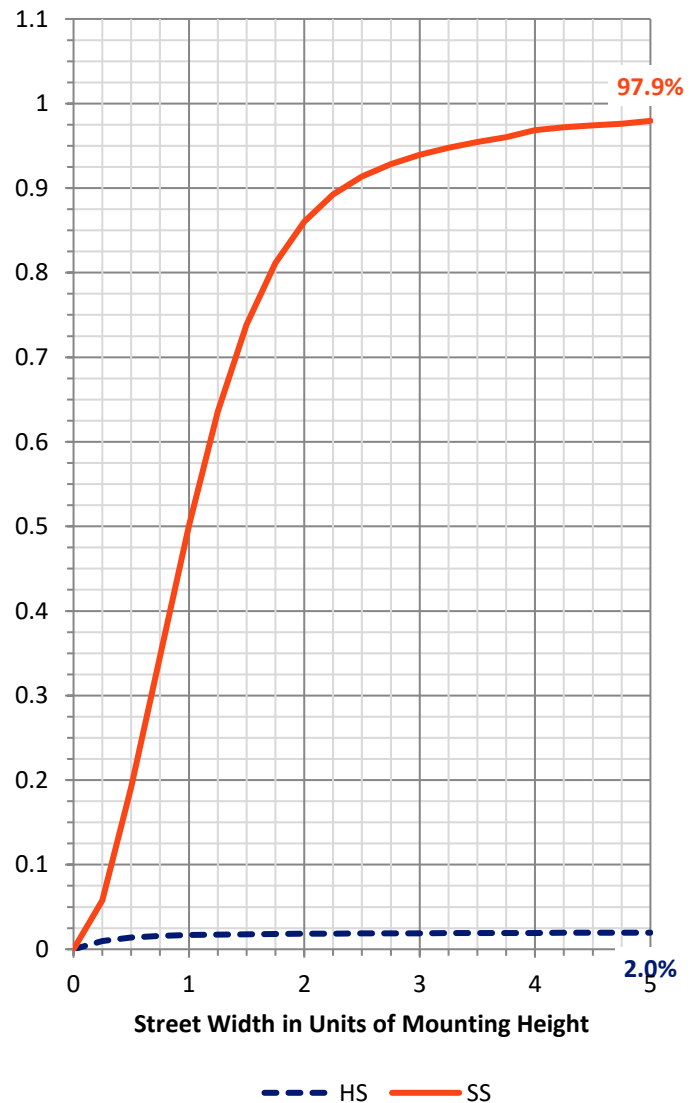
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	139.0	0.0	139.0
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	6786.8	0.0	6786.8
	% Fixture	98.0	0.0	98.0
Total	Lumens	6925.8	0.0	6925.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.3
10°-20°	112.6	1.6
20°-30°	257.3	3.7
30°-40°	489.4	7.1
40°-50°	982.3	14.2
50°-60°	1738.2	25.1
60°-70°	2271.0	32.8
70°-80°	933.8	13.5
80°-90°	117.6	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°	6925.8	100.0
0°-180°	6925.8	100.0



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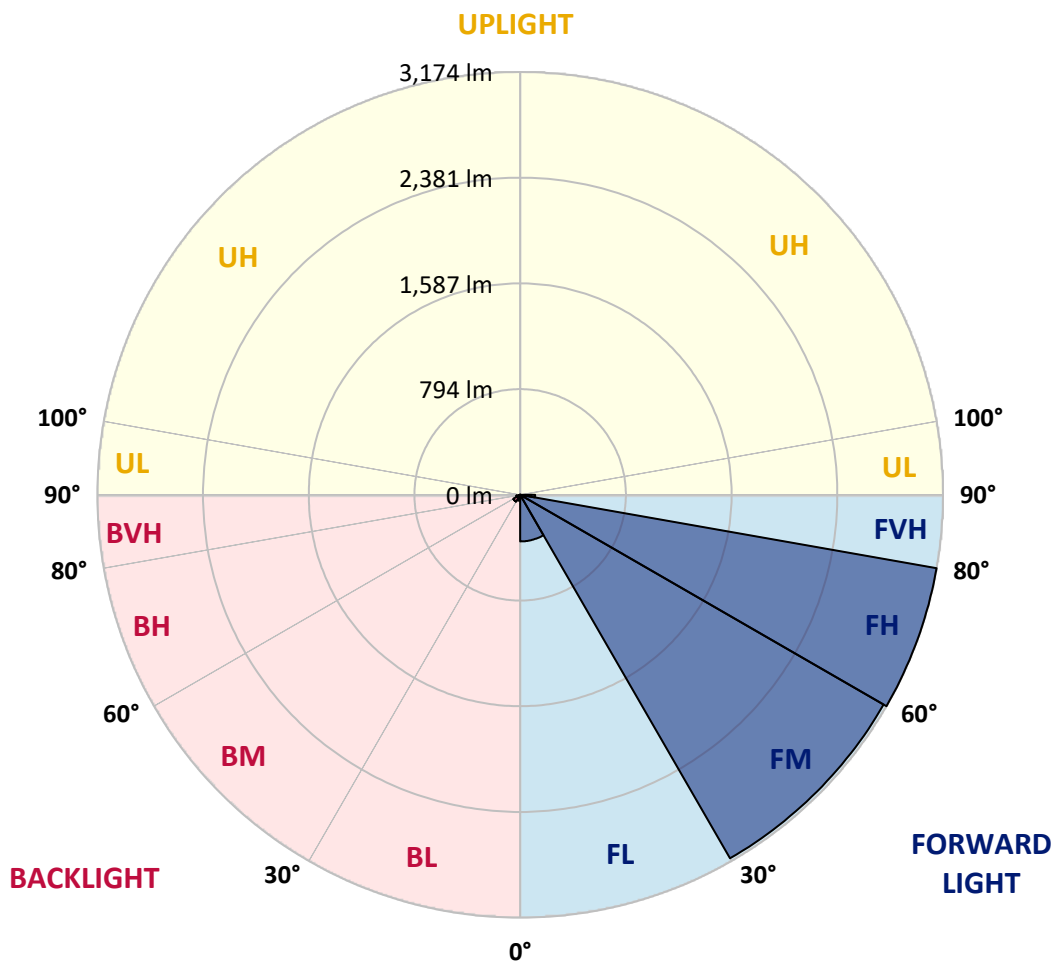
CATALOG NUMBER: ICM-E05-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.0	5.1			
FM	(30°-60°)	3150.4	45.5			
FH	(60°-80°)	3174.1	45.8			G2/5000
FVH	(80°-90°)	112.4	1.6			G2/225
BL	(0°-30°)	43.5	0.6	B0/110		
BM	(30°-60°)	59.5	0.9	B0/220		
BH	(60°-80°)	30.7	0.4	B0/110		G0/110
BVH	(80°-90°)	5.3	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	254.9	250.6	252.1	243.5	237.9	230.8	225.1	223.7	222.3	219.4	220.9
5°	366.8	362.5	352.6	335.6	320.0	296.0	271.9	270.4	266.2	262.0	259.2
7.5°	509.8	502.7	491.4	463.1	424.8	382.3	334.2	330.0	324.3	318.6	312.9
10°	675.4	671.2	650.0	617.4	559.4	490.0	409.2	405.0	392.3	385.2	379.5
12.5°	849.7	831.3	822.7	766.1	699.5	604.7	501.3	485.7	475.8	465.9	451.7
15°	981.3	984.2	964.4	919.0	841.1	730.7	601.9	584.8	570.7	552.3	535.3
17.5°	1100.3	1094.6	1073.4	1045.0	971.4	859.5	709.4	686.8	664.1	654.2	630.1
20°	1196.6	1193.8	1176.8	1149.9	1093.2	985.6	822.7	804.3	778.8	761.9	734.9
22.5°	1273.0	1273.0	1263.1	1247.5	1192.3	1106.0	943.1	923.3	897.8	876.6	846.8
25°	1334.0	1332.5	1334.0	1326.8	1290.1	1210.7	1066.3	1043.6	1022.4	996.9	968.6
27.5°	1403.4	1406.1	1403.4	1399.1	1383.5	1319.7	1190.9	1175.4	1151.3	1124.4	1096.0
30°	1510.9	1502.4	1501.0	1498.1	1479.8	1440.1	1319.7	1301.3	1283.0	1264.6	1244.8
32.5°	1624.2	1610.1	1605.8	1605.8	1593.0	1557.7	1468.5	1458.5	1431.6	1417.5	1400.5
35°	1753.0	1747.5	1741.8	1743.2	1737.5	1700.7	1627.1	1629.9	1621.4	1593.0	1576.1
37.5°	1941.4	1942.8	1932.9	1914.5	1914.5	1882.0	1839.5	1833.8	1812.6	1805.5	1795.5
40°	2210.4	2203.4	2194.9	2168.0	2158.1	2102.8	2063.2	2049.0	2032.0	2030.6	2019.3
42.5°	2522.0	2513.5	2513.5	2493.7	2473.9	2407.3	2332.2	2322.3	2303.9	2309.6	2305.3
45°	2810.9	2818.0	2827.8	2842.1	2844.9	2816.6	2707.5	2694.7	2684.9	2679.2	2674.9
47.5°	3060.1	3072.9	3105.4	3166.3	3244.2	3254.1	3167.7	3133.7	3126.6	3116.8	3108.2
50°	3238.5	3257.0	3330.5	3449.5	3601.0	3694.5	3647.7	3619.5	3618.1	3591.1	3588.3
52.5°	3340.5	3360.3	3480.7	3660.5	3895.6	4078.3	4136.3	4134.9	4132.0	4107.9	4098.1
55°	3363.1	3384.4	3528.8	3773.8	4109.4	4425.1	4647.5	4653.1	4665.9	4658.8	4658.8
57.5°	3300.9	3327.7	3485.0	3787.9	4221.2	4699.8	5185.6	5218.2	5233.7	5289.0	5352.7
60°	3186.2	3206.0	3363.1	3701.6	4241.0	4950.5	5885.2	5988.5	6069.2	6178.3	6281.6
62.5°	2973.7	3013.3	3163.5	3531.6	4181.6	5239.4	6720.6	6911.8	7069.0	7234.6	7434.3
65°	2716.0	2732.9	2860.4	3181.9	3915.4	5349.9	7182.3	7369.2	7570.3	7747.2	7925.6
67.5°	2393.1	2407.3	2517.8	2655.1	3231.5	4833.0	6727.7	6934.5	7115.7	7261.5	7495.2
70°	1567.5	1598.7	1869.2	2005.1	2258.6	3572.7	5501.3	5701.1	5839.8	5938.9	6209.4
72.5°	1148.4	1168.3	1277.3	1557.7	1620.0	2111.4	3871.5	4088.1	4139.1	4326.1	4452.1
75°	700.9	750.5	996.9	1334.0	1578.9	1445.8	2319.5	2424.3	2541.8	2677.8	2798.2
77.5°	141.6	161.4	325.7	919.0	1389.1	1544.9	1384.9	1404.8	1462.8	1475.5	1520.8
80°	22.7	24.1	42.5	396.5	804.3	1248.9	1384.9	1366.5	1334.0	1311.3	1288.6
82.5°	10.0	11.3	18.4	100.6	171.3	416.3	1198.0	1291.4	1399.1	1458.5	1474.1
85°	4.3	4.3	7.1	19.8	25.5	28.3	202.5	267.6	477.2	634.4	730.7
87.5°	2.8	2.8	4.3	4.3	5.7	7.1	10.0	10.0	11.3	12.7	18.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	220.9	219.4	219.4	215.3	215.3	213.9	213.9	212.4	212.4	209.6	211.0
5°	257.7	254.9	252.1	247.8	246.4	243.5	240.7	236.5	235.1	232.2	230.8
7.5°	307.3	304.5	298.8	290.3	284.7	279.0	273.3	267.6	263.4	259.2	256.3
10°	368.2	359.7	356.8	339.8	332.7	321.5	314.3	308.7	300.2	293.1	288.8
12.5°	441.8	434.7	420.6	398.0	386.6	376.7	363.9	352.6	344.1	331.4	322.9
15°	518.2	512.7	492.7	467.3	453.1	434.7	422.0	410.7	392.3	383.7	368.2
17.5°	614.6	597.6	577.8	540.9	522.5	507.0	484.3	467.3	456.0	430.5	416.3
20°	713.7	695.3	669.8	628.7	603.3	579.2	560.7	538.1	514.0	497.0	472.9
22.5°	827.0	797.2	777.4	726.4	696.7	671.2	640.1	616.0	591.9	565.0	538.1
25°	947.4	917.6	893.5	835.4	804.3	778.8	742.1	708.0	678.3	648.6	617.4
27.5°	1073.4	1046.4	1019.5	960.1	933.2	897.8	863.8	824.1	785.9	759.0	716.6
30°	1219.3	1196.6	1166.8	1103.1	1073.4	1036.6	1001.1	954.4	917.6	880.7	839.7
32.5°	1376.4	1358.0	1326.8	1270.2	1234.8	1203.6	1165.4	1120.1	1067.7	1029.5	981.3
35°	1567.5	1536.4	1518.1	1464.2	1437.3	1403.4	1363.6	1324.0	1268.8	1215.0	1173.9
37.5°	1785.7	1771.5	1747.5	1696.5	1676.6	1641.2	1615.7	1576.1	1533.6	1465.6	1421.7
40°	2009.4	1999.5	1978.2	1927.3	1907.5	1883.4	1853.6	1815.4	1764.4	1729.0	1663.8
42.5°	2294.0	2278.4	2261.4	2213.3	2175.1	2145.3	2132.6	2100.0	2046.2	2000.8	1949.9
45°	2655.1	2648.0	2625.4	2577.2	2539.0	2519.2	2499.4	2444.1	2408.7	2363.4	2328.0
47.5°	3091.3	3068.6	3057.2	3003.5	2990.7	2975.1	2924.1	2893.0	2842.1	2806.6	2762.7
50°	3562.8	3538.7	3540.1	3475.0	3477.8	3466.5	3428.3	3391.5	3347.6	3316.4	3289.5
52.5°	4069.7	4081.0	4052.8	4072.6	4049.9	4024.4	4017.3	3972.0	3933.8	3932.4	3895.6
55°	4692.8	4674.4	4681.5	4701.3	4670.2	4698.4	4684.3	4626.3	4627.7	4639.0	4596.5
57.5°	5362.6	5389.5	5447.6	5460.3	5514.1	5477.3	5573.6	5504.2	5546.7	5546.7	5518.4
60°	6345.3	6453.0	6593.2	6702.2	6802.7	6770.2	6896.2	6816.9	6873.5	6825.3	6801.3
62.5°	7529.2	7672.2	7837.9	8014.8	8116.8	8142.3	8124.0	8159.3	8104.0	8068.7	7976.6
65°	8098.5	8240.1	8384.4	8596.9	8625.2	8646.5	8637.9	8578.5	8510.5	8409.9	8289.6
67.5°	7625.4	7823.7	7904.4	8149.4	8231.5	8201.8	8211.7	8135.2	8029.1	7929.9	7752.9
70°	6322.6	6549.2	6591.8	6942.9	7040.6	7182.3	7131.3	7108.6	6992.5	6909.0	6713.5
72.5°	4603.6	4780.6	4766.4	5161.5	5144.5	5202.5	5339.9	5334.3	5212.5	5185.6	5021.3
75°	2833.5	2939.7	2934.1	3214.4	3096.9	3079.9	3118.2	3101.1	2986.4	2867.6	2765.6
77.5°	1501.0	1549.1	1498.1	1414.6	1406.1	1311.3	1284.4	1283.0	1195.2	1087.5	1008.2
80°	1264.6	1215.0	1155.5	1033.7	962.9	899.2	839.7	784.5	725.0	645.7	549.4
82.5°	1476.9	1452.8	1410.4	1257.5	1183.8	1056.4	961.5	872.3	763.3	681.1	558.0
85°	719.4	718.0	751.9	736.4	709.4	703.8	610.3	590.5	546.6	501.3	419.2
87.5°	19.8	14.1	17.0	14.1	17.0	18.4	12.7	29.8	18.4	17.0	19.8
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	209.6	208.2	206.7	206.7	205.3	205.3	203.9	202.5	202.5	201.1	201.1
5°	228.0	225.1	223.7	222.3	219.4	218.0	215.3	213.9	211.0	209.6	206.7
7.5°	250.6	247.8	242.1	239.4	235.1	233.7	226.6	223.7	220.9	218.0	213.9
10°	279.0	271.9	266.2	260.6	253.5	247.8	242.1	237.9	232.2	225.1	222.3
12.5°	314.3	304.5	296.0	286.0	277.6	269.0	259.2	252.1	243.5	236.5	229.4
15°	354.0	339.8	328.6	314.3	300.2	290.3	280.4	270.4	259.2	249.2	240.7
17.5°	399.4	380.9	365.3	348.4	332.7	318.6	301.6	288.8	276.1	262.0	250.6
20°	447.4	429.0	407.8	389.4	366.8	351.2	330.0	312.9	294.5	280.4	264.8
22.5°	511.2	487.2	460.2	434.7	410.7	386.6	363.9	342.7	320.0	298.8	283.3
25°	586.2	556.5	522.5	497.0	463.1	436.2	407.8	380.9	356.8	330.0	304.5
27.5°	679.7	640.1	603.3	567.8	531.0	497.0	460.2	429.0	396.5	365.3	337.0
30°	788.7	750.5	695.3	655.6	618.8	572.1	535.3	494.2	457.4	412.1	380.9
32.5°	933.2	883.6	825.6	773.1	725.0	672.7	621.7	569.2	521.1	480.0	433.3
35°	1121.5	1063.4	994.1	927.5	873.7	810.0	744.8	685.4	630.1	570.7	512.7
37.5°	1359.5	1305.6	1230.5	1149.9	1077.6	1001.1	933.2	849.7	776.0	703.8	630.1
40°	1595.9	1546.3	1468.5	1382.1	1288.6	1200.8	1114.4	1019.5	926.1	835.4	759.0
42.5°	1887.6	1814.0	1730.4	1632.8	1542.1	1437.3	1329.7	1220.7	1108.8	999.7	890.7
45°	2254.3	2197.7	2080.2	1975.4	1867.7	1744.6	1611.5	1486.9	1343.8	1215.0	1070.5
47.5°	2700.4	2598.4	2512.1	2415.8	2281.2	2162.3	1992.4	1845.1	1666.7	1495.4	1322.6
50°	3227.2	3170.5	3055.8	2935.5	2789.6	2648.0	2482.3	2270.0	2056.1	1873.4	1636.9
52.5°	3843.2	3762.4	3690.3	3565.6	3417.0	3235.6	3047.4	2816.6	2554.5	2296.9	2044.8
55°	4573.9	4517.2	4447.8	4348.7	4158.9	3953.6	3727.1	3450.9	3140.9	2793.9	2500.8
57.5°	5517.0	5457.5	5390.9	5187.0	5058.2	4806.1	4477.6	4191.6	3857.3	3412.7	3048.8
60°	6804.1	6723.4	6630.0	6464.3	6195.2	5868.1	5515.6	5092.1	4682.9	4197.2	3720.0
62.5°	7904.4	7775.6	7575.9	7362.1	7039.2	6663.9	6220.7	5722.3	5256.4	4709.8	4178.8
65°	8131.0	7954.0	7718.9	7440.0	7107.2	6683.8	6220.7	5743.5	5195.5	4681.5	4147.7
67.5°	7541.9	7336.6	7095.9	6784.3	6467.1	6031.0	5631.7	5146.0	4630.5	4185.9	3708.7
70°	6573.3	6268.9	6022.5	5691.1	5369.7	5027.0	4606.4	4242.5	3823.4	3414.1	3048.8
72.5°	4936.4	4636.1	4412.4	4147.7	3956.5	3594.0	3285.2	3013.3	2765.6	2459.6	2189.2
75°	2660.8	2435.6	2285.5	2165.1	1993.8	1754.5	1607.3	1420.3	1315.5	1188.1	1064.8
77.5°	868.0	764.7	652.8	543.7	467.3	351.2	339.8	270.4	254.9	247.8	191.2
80°	444.7	342.7	247.8	178.4	135.9	120.4	114.7	109.0	103.3	99.2	92.0
82.5°	446.0	322.9	222.3	154.3	111.9	93.5	87.8	84.9	80.7	76.5	70.8
85°	325.7	240.7	165.7	113.3	77.9	62.3	59.4	55.3	52.4	51.0	45.3
87.5°	21.2	15.5	14.1	12.7	12.7	12.7	14.1	12.7	14.1	14.1	12.7
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°	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	199.6	198.2	198.2	196.8	195.4	195.4	194.0	194.0	189.8	182.7	177.0
5°	205.3	202.5	201.1	199.6	198.2	195.4	194.0	192.6	185.5	171.3	160.0
7.5°	209.6	206.7	205.3	202.5	198.2	196.8	194.0	191.2	179.8	160.0	147.3
10°	216.7	212.4	208.2	203.9	199.6	196.8	192.6	189.8	172.7	150.1	137.4
12.5°	223.7	218.0	212.4	205.3	201.1	196.8	192.6	186.9	167.1	141.6	127.4
15°	232.2	223.7	216.7	209.6	202.5	196.8	189.8	185.5	161.4	134.5	121.8
17.5°	240.7	230.8	220.9	211.0	203.9	195.4	189.8	182.7	155.7	128.8	114.7
20°	250.6	236.5	226.6	215.3	205.3	195.4	186.9	179.8	150.1	121.8	107.6
22.5°	264.8	247.8	232.2	219.4	206.7	196.8	186.9	177.0	144.5	116.1	102.0
25°	283.3	262.0	243.5	228.0	212.4	199.6	188.4	178.4	140.2	111.9	94.9
27.5°	310.1	283.3	263.4	242.1	222.3	206.7	192.6	181.2	137.4	107.6	90.6
30°	342.7	315.8	284.7	259.2	237.9	216.7	201.1	184.1	134.5	103.3	84.9
32.5°	390.8	352.6	315.8	284.7	254.9	230.8	208.2	191.2	133.1	96.3	79.3
35°	460.2	407.8	363.9	322.9	281.8	252.1	225.1	202.5	131.7	90.6	73.7
37.5°	559.4	497.0	440.4	382.3	331.4	288.8	252.1	222.3	131.7	86.4	68.0
40°	665.6	584.8	512.7	440.4	375.3	321.5	271.9	235.1	128.8	80.7	62.3
42.5°	785.9	686.8	587.6	498.4	417.8	348.4	290.3	244.9	121.8	75.1	56.7
45°	947.4	817.0	698.1	583.4	478.6	388.0	314.3	256.3	114.7	70.8	51.0
47.5°	1149.9	998.3	844.0	699.5	562.1	447.4	349.8	274.7	110.4	65.1	46.7
50°	1451.5	1236.2	1032.3	848.2	674.1	523.9	402.1	301.6	106.2	60.9	42.5
52.5°	1782.8	1518.1	1278.7	1042.2	825.6	627.4	463.1	337.0	102.0	56.7	38.2
55°	2186.4	1860.7	1569.0	1261.7	984.2	747.6	538.1	376.7	96.3	52.4	35.4
57.5°	2684.9	2272.8	1927.3	1552.0	1203.6	903.4	638.6	443.3	90.6	46.7	31.2
60°	3241.3	2775.5	2340.8	1900.4	1478.3	1110.1	787.4	538.1	84.9	41.0	26.9
62.5°	3642.1	3130.9	2633.9	2139.6	1676.6	1264.6	907.7	611.7	76.5	35.4	24.1
65°	3637.9	3119.6	2619.7	2132.6	1682.2	1270.2	911.9	625.9	68.0	31.2	21.2
67.5°	3241.3	2805.2	2359.2	1921.6	1527.9	1155.5	844.0	580.6	58.0	28.3	18.4
70°	2666.4	2319.5	1966.9	1620.0	1304.2	989.9	729.3	505.5	49.6	25.5	15.5
72.5°	1947.1	1693.6	1478.3	1233.4	1018.1	781.7	582.0	396.5	39.6	21.2	14.1
75°	967.2	865.2	742.1	665.6	567.8	464.5	361.1	230.8	32.6	17.0	12.7
77.5°	184.1	164.3	157.2	135.9	124.7	110.4	97.7	69.4	25.5	12.7	11.3
80°	84.9	77.9	70.8	63.7	56.7	48.2	42.5	36.8	19.8	10.0	12.7
82.5°	66.5	60.9	53.8	48.2	42.5	36.8	31.2	26.9	12.7	8.5	12.7
85°	43.9	38.2	34.0	29.8	25.5	22.7	19.8	17.0	8.5	8.5	8.5
87.5°	12.7	12.7	11.3	11.3	10.0	10.0	8.5	8.5	7.1	7.1	7.1
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):

	125°	135°	145°	155°	165°	175°	180°
0°	192.6	192.6	192.6	192.6	192.6	192.6	192.6
2.5°	171.3	164.3	161.4	160.0	160.0	161.4	160.0
5°	151.5	144.5	141.6	138.8	138.8	138.8	140.2
7.5°	138.8	131.7	127.4	126.0	124.7	126.0	126.0
10°	127.4	121.8	116.1	113.3	113.3	113.3	113.3
12.5°	119.0	111.9	106.2	104.7	103.3	103.3	103.3
15°	111.9	103.3	99.2	96.3	94.9	94.9	96.3
17.5°	103.3	96.3	90.6	89.2	89.2	89.2	89.2
20°	97.7	89.2	84.9	82.1	82.1	82.1	82.1
22.5°	90.6	83.5	77.9	75.1	75.1	75.1	75.1
25°	84.9	77.9	72.2	69.4	69.4	69.4	69.4
27.5°	79.3	72.2	66.5	63.7	63.7	63.7	63.7
30°	73.7	66.5	60.9	58.0	58.0	58.0	58.0
32.5°	69.4	60.9	55.3	52.4	52.4	53.8	52.4
35°	62.3	55.3	49.6	46.7	46.7	46.7	46.7
37.5°	56.7	49.6	43.9	41.0	41.0	41.0	39.6
40°	52.4	43.9	38.2	35.4	34.0	34.0	34.0
42.5°	45.3	36.8	32.6	29.8	28.3	28.3	28.3
45°	41.0	32.6	26.9	24.1	24.1	24.1	24.1
47.5°	36.8	28.3	22.7	19.8	19.8	21.2	21.2
50°	32.6	24.1	18.4	18.4	18.4	19.8	19.8
52.5°	28.3	21.2	17.0	17.0	18.4	19.8	19.8
55°	25.5	18.4	15.5	17.0	18.4	19.8	19.8
57.5°	22.7	15.5	15.5	17.0	18.4	19.8	19.8
60°	19.8	14.1	14.1	15.5	18.4	19.8	19.8
62.5°	17.0	14.1	14.1	15.5	18.4	19.8	19.8
65°	15.5	14.1	14.1	15.5	18.4	19.8	19.8
67.5°	14.1	12.7	14.1	15.5	17.0	18.4	18.4
70°	12.7	12.7	14.1	15.5	17.0	18.4	18.4
72.5°	12.7	12.7	12.7	14.1	15.5	17.0	17.0
75°	12.7	12.7	12.7	14.1	15.5	17.0	17.0
77.5°	12.7	11.3	11.3	12.7	15.5	17.0	17.0
80°	12.7	11.3	11.3	12.7	14.1	17.0	17.0
82.5°	10.0	10.0	11.3	12.7	14.1	15.5	15.5
85°	8.5	10.0	10.0	11.3	12.7	15.5	15.5
87.5°	7.1	7.1	8.5	10.0	11.3	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)