

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: P181388

Luminaire Tested: **ICS-E02-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181388
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: ICS-E02-LED-E1-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2680.4 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 52.1
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



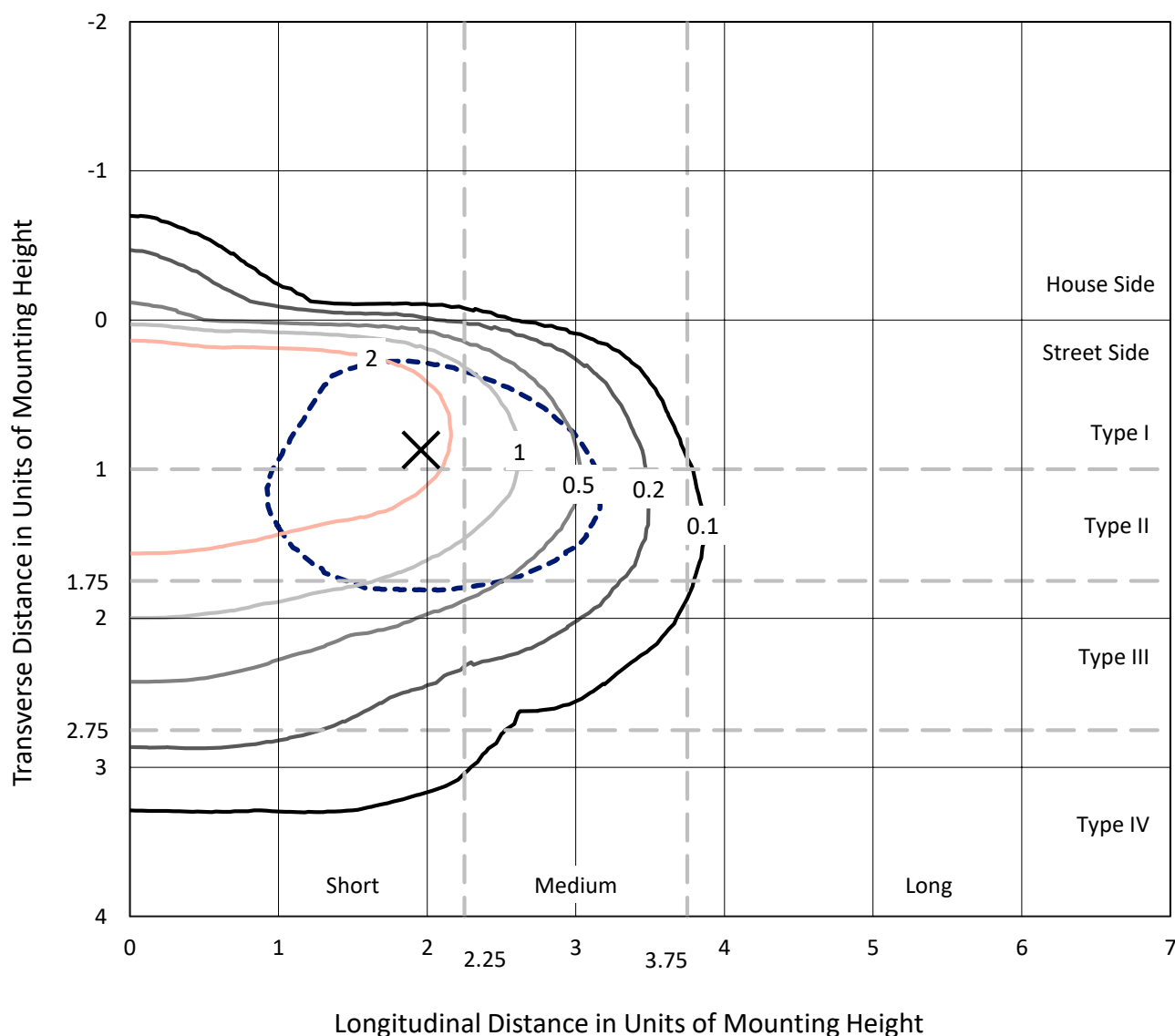
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

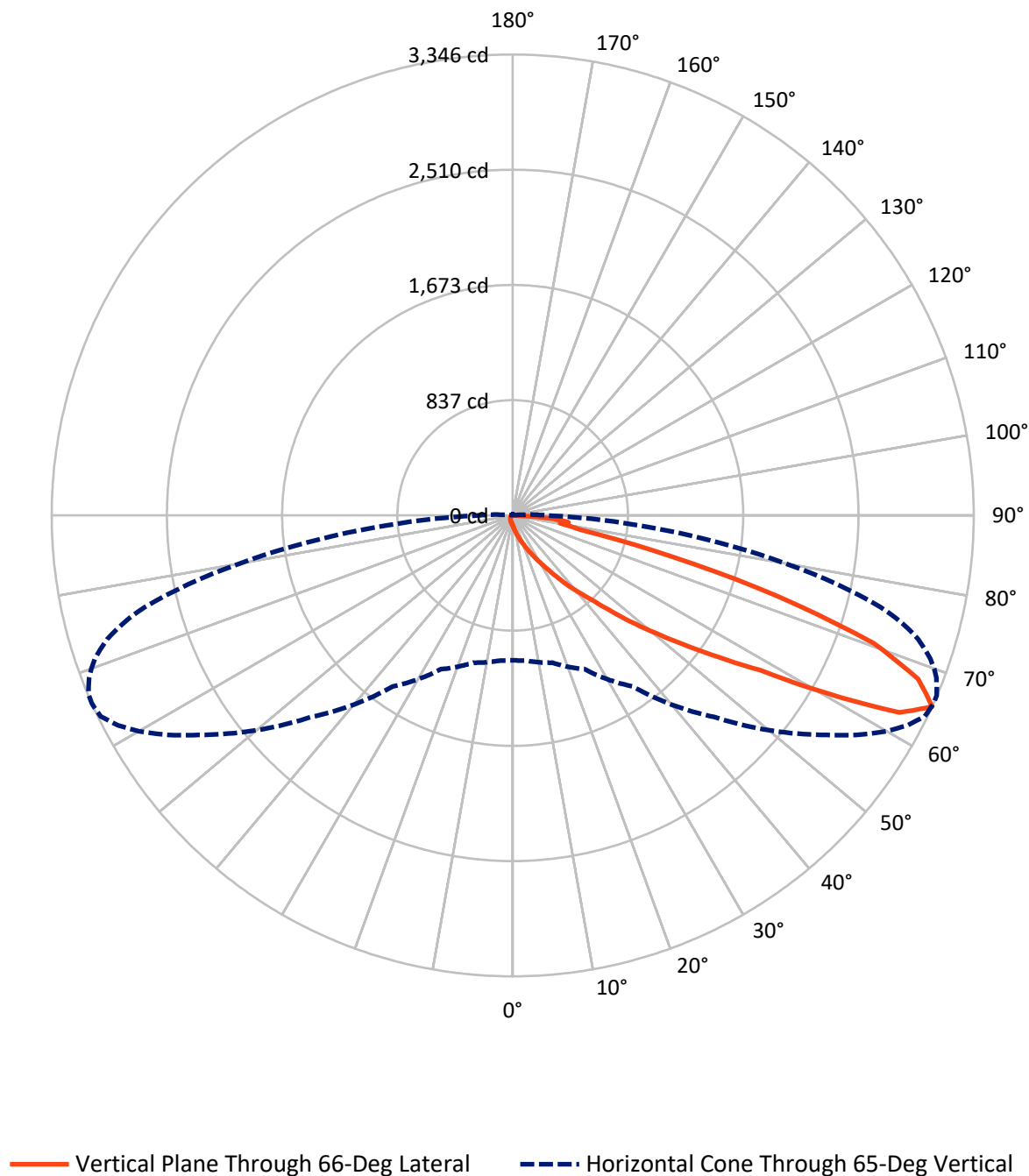


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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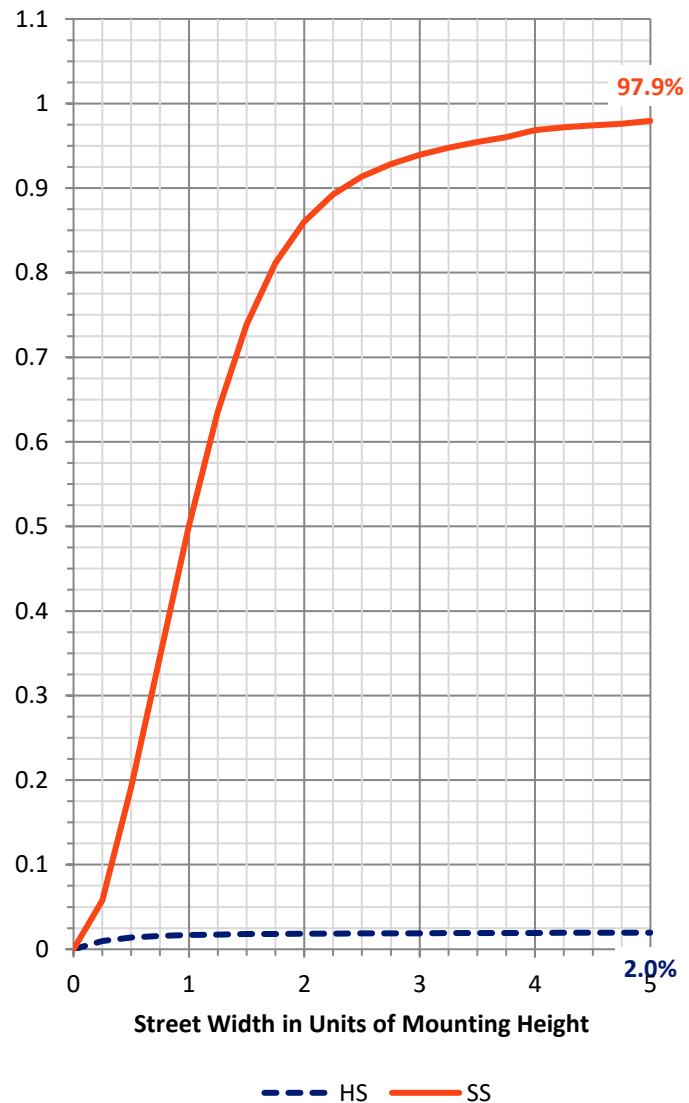
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	53.8	0.0	53.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	2626.6	0.0	2626.6
	% Fixture	98.0	0.0	98.0
Total	Lumens	2680.4	0.0	2680.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	43.6	1.6
20°-30°	99.6	3.7
30°-40°	189.4	7.1
40°-50°	380.2	14.2
50°-60°	672.7	25.1
60°-70°	878.9	32.8
70°-80°	361.4	13.5
80°-90°	45.5	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°	2680.4	100.0
0°-180°	2680.4	100.0

Coefficient of Utilization



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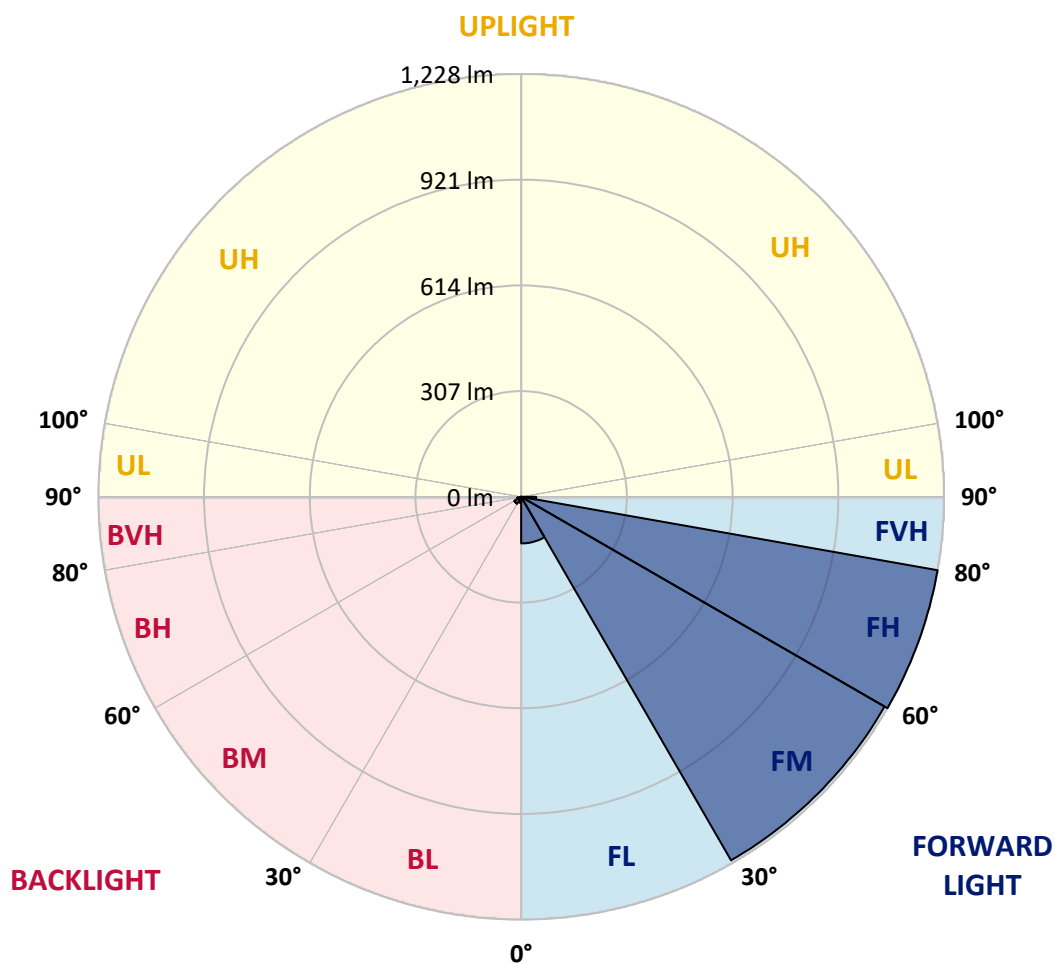
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.4	5.1			
FM	(30°-60°)	1219.3	45.5			
FH	(60°-80°)	1228.4	45.8			G1/1800
FVH	(80°-90°)	43.5	1.6			G1/100
BL	(0°-30°)	16.8	0.6	B0/110		
BM	(30°-60°)	23.0	0.9	B0/220		
BH	(60°-80°)	11.9	0.4	B0/110		G0/110
BVH	(80°-90°)	2.0	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°	56°	57°	58°	59°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	98.6	97.0	97.6	94.3	92.1	89.3	87.1	86.6	86.0	84.9	85.5
5°	141.9	140.3	136.5	129.9	123.9	114.5	105.2	104.7	103.0	101.4	100.3
7.5°	197.3	194.6	190.2	179.2	164.4	148.0	129.3	127.7	125.5	123.3	121.1
10°	261.4	259.8	251.6	238.9	216.5	189.6	158.4	156.7	151.8	149.1	146.9
12.5°	328.8	321.7	318.4	296.5	270.7	234.0	194.0	188.0	184.1	180.3	174.8
15°	379.8	380.9	373.2	355.7	325.5	282.8	232.9	226.3	220.9	213.7	207.2
17.5°	425.8	423.6	415.4	404.5	376.0	332.7	274.6	265.8	257.0	253.2	243.9
20°	463.1	462.0	455.4	445.0	423.1	381.4	318.4	311.3	301.4	294.8	284.4
22.5°	492.7	492.7	488.9	482.8	461.4	428.0	365.0	357.3	347.5	339.2	327.7
25°	516.3	515.7	516.3	513.5	499.3	468.6	412.7	403.9	395.7	385.8	374.9
27.5°	543.1	544.2	543.1	541.5	535.4	510.8	460.9	454.9	445.6	435.1	424.2
30°	584.8	581.5	580.9	579.8	572.7	557.4	510.8	503.6	496.5	489.4	481.7
32.5°	628.6	623.1	621.5	621.5	616.5	602.8	568.3	564.5	554.1	548.6	542.0
35°	678.5	676.3	674.1	674.6	672.4	658.2	629.7	630.8	627.5	616.5	610.0
37.5°	751.4	751.9	748.1	741.0	741.0	728.3	711.9	709.7	701.5	698.8	694.9
40°	855.5	852.8	849.5	839.0	835.2	813.8	798.5	793.0	786.4	785.9	781.5
42.5°	976.1	972.8	972.8	965.1	957.4	931.7	902.6	898.8	891.7	893.9	892.2
45°	1087.9	1090.6	1094.4	1099.9	1101.0	1090.1	1047.9	1042.9	1039.1	1036.9	1035.2
47.5°	1184.3	1189.2	1201.9	1225.4	1255.6	1259.4	1226.0	1212.8	1210.1	1206.2	1202.9
50°	1253.4	1260.5	1289.0	1335.0	1393.7	1429.8	1411.8	1400.8	1400.2	1389.8	1388.7
52.5°	1292.8	1300.5	1347.1	1416.7	1507.7	1578.4	1600.8	1600.3	1599.2	1589.9	1586.0
55°	1301.6	1309.8	1365.7	1460.5	1590.4	1712.6	1798.7	1800.9	1805.8	1803.1	1803.1
57.5°	1277.5	1287.9	1348.7	1466.0	1633.7	1818.9	2006.9	2019.5	2025.6	2046.9	2071.6
60°	1233.1	1240.8	1301.6	1432.6	1641.4	1915.9	2277.7	2317.7	2348.9	2391.1	2431.1
62.5°	1150.9	1166.2	1224.3	1366.8	1618.4	2027.7	2601.0	2675.0	2735.8	2799.9	2877.2
65°	1051.1	1057.7	1107.0	1231.4	1515.3	2070.5	2779.7	2852.0	2929.8	2998.3	3067.4
67.5°	926.2	931.7	974.4	1027.6	1250.6	1870.5	2603.7	2683.8	2753.9	2810.3	2900.8
70°	606.7	618.7	723.4	776.0	874.1	1382.7	2129.1	2206.4	2260.1	2298.5	2403.2
72.5°	444.5	452.1	494.3	602.8	627.0	817.1	1498.3	1582.2	1601.9	1674.3	1723.0
75°	271.3	290.5	385.8	516.3	611.1	559.5	897.7	938.2	983.7	1036.3	1082.9
77.5°	54.8	62.5	126.0	355.7	537.6	597.9	536.0	543.7	566.1	571.1	588.6
80°	8.8	9.3	16.4	153.5	311.3	483.4	536.0	528.9	516.3	507.5	498.7
82.5°	3.8	4.4	7.1	38.9	66.3	161.1	463.6	499.8	541.5	564.5	570.5
85°	1.6	1.6	2.7	7.7	9.9	11.0	78.4	103.6	184.7	245.5	282.8
87.5°	1.1	1.1	1.6	1.6	2.2	2.7	3.8	3.8	4.4	4.9	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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	85.5	84.9	84.9	83.3	83.3	82.8	82.8	82.2	82.2	81.1	81.7
5°	99.7	98.6	97.6	95.9	95.4	94.3	93.2	91.5	91.0	89.9	89.3
7.5°	118.9	117.8	115.6	112.3	110.2	108.0	105.8	103.6	101.9	100.3	99.2
10°	142.5	139.2	138.1	131.5	128.8	124.4	121.7	119.5	116.2	113.4	111.8
12.5°	171.0	168.2	162.8	154.0	149.6	145.8	140.8	136.5	133.2	128.2	125.0
15°	200.6	198.4	190.7	180.9	175.4	168.2	163.3	158.9	151.8	148.5	142.5
17.5°	237.8	231.3	223.6	209.4	202.2	196.2	187.4	180.9	176.5	166.6	161.1
20°	276.2	269.1	259.2	243.3	233.5	224.1	217.0	208.3	198.9	192.4	183.0
22.5°	320.1	308.5	300.9	281.1	269.6	259.8	247.7	238.4	229.1	218.7	208.3
25°	366.6	355.1	345.8	323.3	311.3	301.4	287.2	274.0	262.5	251.0	238.9
27.5°	415.4	405.0	394.6	371.6	361.2	347.5	334.3	319.0	304.2	293.7	277.3
30°	471.9	463.1	451.6	426.9	415.4	401.2	387.5	369.4	355.1	340.9	325.0
32.5°	532.7	525.6	513.5	491.6	477.9	465.8	451.0	433.5	413.2	398.4	379.8
35°	606.7	594.6	587.5	566.7	556.3	543.1	527.8	512.4	491.0	470.2	454.3
37.5°	691.1	685.6	676.3	656.6	648.9	635.2	625.3	610.0	593.5	567.2	550.2
40°	777.7	773.8	765.6	745.9	738.2	728.9	717.4	702.6	682.9	669.2	643.9
42.5°	887.8	881.8	875.2	856.6	841.8	830.3	825.3	812.7	791.9	774.4	754.7
45°	1027.6	1024.8	1016.1	997.4	982.6	975.0	967.3	945.9	932.2	914.7	901.0
47.5°	1196.4	1187.6	1183.2	1162.4	1157.5	1151.4	1131.7	1119.6	1099.9	1086.2	1069.2
50°	1378.9	1369.6	1370.1	1344.9	1346.0	1341.6	1326.8	1312.6	1295.6	1283.5	1273.1
52.5°	1575.1	1579.5	1568.5	1576.2	1567.4	1557.5	1554.8	1537.3	1522.5	1521.9	1507.7
55°	1816.2	1809.1	1811.8	1819.5	1807.4	1818.4	1812.9	1790.4	1791.0	1795.4	1778.9
57.5°	2075.4	2085.8	2108.3	2113.2	2134.1	2119.8	2157.1	2130.2	2146.7	2146.7	2135.7
60°	2455.8	2497.4	2551.7	2593.9	2632.8	2620.2	2669.0	2638.3	2660.2	2641.6	2632.2
62.5°	2913.9	2969.3	3033.4	3101.9	3141.4	3151.2	3144.1	3157.8	3136.4	3122.7	3087.1
65°	3134.2	3189.0	3244.9	3327.2	3338.1	3346.3	3343.0	3320.0	3293.7	3254.8	3208.2
67.5°	2951.2	3027.9	3059.2	3154.0	3185.8	3174.2	3178.1	3148.5	3107.4	3069.0	3000.5
70°	2447.0	2534.7	2551.1	2687.0	2724.9	2779.7	2759.9	2751.2	2706.2	2673.9	2598.3
72.5°	1781.7	1850.2	1844.7	1997.6	1991.0	2013.5	2066.7	2064.5	2017.3	2006.9	1943.3
75°	1096.6	1137.7	1135.5	1244.1	1198.6	1192.0	1206.8	1200.2	1155.8	1109.8	1070.3
77.5°	580.9	599.6	579.8	547.5	544.2	507.5	497.1	496.5	462.5	420.9	390.2
80°	489.4	470.2	447.2	400.1	372.7	348.0	325.0	303.6	280.6	249.9	212.6
82.5°	571.6	562.3	545.8	486.7	458.2	408.8	372.1	337.6	295.4	263.6	215.9
85°	278.4	277.9	291.0	285.0	274.6	272.4	236.2	228.5	211.5	194.0	162.2
87.5°	7.7	5.5	6.6	5.5	6.6	7.1	4.9	11.5	7.1	6.6	7.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	81.1	80.6	80.0	80.0	79.5	79.5	78.9	78.4	78.4	77.8	77.8
5°	88.2	87.1	86.6	86.0	84.9	84.4	83.3	82.8	81.7	81.1	80.0
7.5°	97.0	95.9	93.7	92.6	91.0	90.4	87.7	86.6	85.5	84.4	82.8
10°	108.0	105.2	103.0	100.8	98.1	95.9	93.7	92.1	89.9	87.1	86.0
12.5°	121.7	117.8	114.5	110.7	107.4	104.1	100.3	97.6	94.3	91.5	88.8
15°	137.0	131.5	127.1	121.7	116.2	112.3	108.5	104.7	100.3	96.5	93.2
17.5°	154.5	147.4	141.4	134.8	128.8	123.3	116.7	111.8	106.9	101.4	97.0
20°	173.2	166.1	157.8	150.7	141.9	135.9	127.7	121.1	114.0	108.5	102.5
22.5°	197.8	188.5	178.1	168.2	158.9	149.6	140.8	132.6	123.9	115.6	109.6
25°	226.9	215.4	202.2	192.4	179.2	168.8	157.8	147.4	138.1	127.7	117.8
27.5°	263.1	247.7	233.5	219.8	205.5	192.4	178.1	166.1	153.5	141.4	130.4
30°	305.3	290.5	269.1	253.7	239.5	221.4	207.2	191.3	177.0	159.5	147.4
32.5°	361.2	342.0	319.5	299.2	280.6	260.3	240.6	220.3	201.7	185.8	167.7
35°	434.0	411.6	384.7	359.0	338.1	313.5	288.3	265.3	243.9	220.9	198.4
37.5°	526.1	505.3	476.2	445.0	417.1	387.5	361.2	328.8	300.3	272.4	243.9
40°	617.6	598.5	568.3	534.9	498.7	464.7	431.3	394.6	358.4	323.3	293.7
42.5°	730.5	702.0	669.7	631.9	596.8	556.3	514.6	472.4	429.1	386.9	344.7
45°	872.5	850.6	805.1	764.5	722.9	675.2	623.7	575.4	520.1	470.2	414.3
47.5°	1045.1	1005.7	972.2	935.0	882.9	836.9	771.1	714.1	645.0	578.7	511.9
50°	1249.0	1227.1	1182.7	1136.1	1079.6	1024.8	960.7	878.5	795.8	725.1	633.5
52.5°	1487.4	1456.1	1428.2	1380.0	1322.4	1252.3	1179.4	1090.1	988.7	888.9	791.4
55°	1770.2	1748.2	1721.4	1683.0	1609.6	1530.1	1442.4	1335.6	1215.6	1081.3	967.8
57.5°	2135.2	2112.1	2086.4	2007.5	1957.6	1860.0	1732.9	1622.2	1492.9	1320.8	1179.9
60°	2633.3	2602.1	2565.9	2501.8	2397.7	2271.1	2134.6	1970.8	1812.4	1624.4	1439.7
62.5°	3059.2	3009.3	2932.0	2849.3	2724.3	2579.1	2407.5	2214.6	2034.3	1822.8	1617.3
65°	3146.8	3078.3	2987.4	2879.4	2750.6	2586.7	2407.5	2222.9	2010.8	1811.8	1605.2
67.5°	2918.9	2839.4	2746.2	2625.7	2502.9	2334.1	2179.6	1991.6	1792.1	1620.0	1435.3
70°	2544.0	2426.2	2330.8	2202.6	2078.2	1945.5	1782.8	1641.9	1479.7	1321.3	1179.9
72.5°	1910.5	1794.3	1707.7	1605.2	1531.2	1390.9	1271.5	1166.2	1070.3	951.9	847.3
75°	1029.8	942.6	884.5	838.0	771.6	679.0	622.0	549.7	509.1	459.8	412.1
77.5°	335.9	295.9	252.6	210.4	180.9	135.9	131.5	104.7	98.6	95.9	74.0
80°	172.1	132.6	95.9	69.1	52.6	46.6	44.4	42.2	40.0	38.4	35.6
82.5°	172.6	125.0	86.0	59.7	43.3	36.2	34.0	32.9	31.2	29.6	27.4
85°	126.0	93.2	64.1	43.8	30.1	24.1	23.0	21.4	20.3	19.7	17.5
87.5°	8.2	6.0	5.5	4.9	4.9	4.9	5.5	4.9	5.5	5.5	4.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	77.3	76.7	76.7	76.2	75.6	75.6	75.1	75.1	73.4	70.7	68.5
5°	79.5	78.4	77.8	77.3	76.7	75.6	75.1	74.5	71.8	66.3	61.9
7.5°	81.1	80.0	79.5	78.4	76.7	76.2	75.1	74.0	69.6	61.9	57.0
10°	83.9	82.2	80.6	78.9	77.3	76.2	74.5	73.4	66.9	58.1	53.2
12.5°	86.6	84.4	82.2	79.5	77.8	76.2	74.5	72.3	64.7	54.8	49.3
15°	89.9	86.6	83.9	81.1	78.4	76.2	73.4	71.8	62.5	52.1	47.1
17.5°	93.2	89.3	85.5	81.7	78.9	75.6	73.4	70.7	60.3	49.9	44.4
20°	97.0	91.5	87.7	83.3	79.5	75.6	72.3	69.6	58.1	47.1	41.7
22.5°	102.5	95.9	89.9	84.9	80.0	76.2	72.3	68.5	55.9	44.9	39.5
25°	109.6	101.4	94.3	88.2	82.2	77.3	72.9	69.1	54.3	43.3	36.7
27.5°	120.0	109.6	101.9	93.7	86.0	80.0	74.5	70.1	53.2	41.7	35.1
30°	132.6	122.2	110.2	100.3	92.1	83.9	77.8	71.2	52.1	40.0	32.9
32.5°	151.3	136.5	122.2	110.2	98.6	89.3	80.6	74.0	51.5	37.3	30.7
35°	178.1	157.8	140.8	125.0	109.1	97.6	87.1	78.4	51.0	35.1	28.5
37.5°	216.5	192.4	170.4	148.0	128.2	111.8	97.6	86.0	51.0	33.4	26.3
40°	257.6	226.3	198.4	170.4	145.2	124.4	105.2	91.0	49.9	31.2	24.1
42.5°	304.2	265.8	227.4	192.9	161.7	134.8	112.3	94.8	47.1	29.0	21.9
45°	366.6	316.2	270.2	225.8	185.2	150.2	121.7	99.2	44.4	27.4	19.7
47.5°	445.0	386.4	326.6	270.7	217.6	173.2	135.4	106.3	42.7	25.2	18.1
50°	561.7	478.4	399.5	328.3	260.9	202.8	155.6	116.7	41.1	23.6	16.4
52.5°	690.0	587.5	494.9	403.4	319.5	242.8	179.2	130.4	39.5	21.9	14.8
55°	846.2	720.1	607.2	488.3	380.9	289.4	208.3	145.8	37.3	20.3	13.7
57.5°	1039.1	879.6	745.9	600.7	465.8	349.6	247.2	171.5	35.1	18.1	12.1
60°	1254.5	1074.2	905.9	735.5	572.2	429.7	304.7	208.3	32.9	15.9	10.4
62.5°	1409.6	1211.7	1019.4	828.1	648.9	489.4	351.3	236.8	29.6	13.7	9.3
65°	1407.9	1207.3	1013.9	825.3	651.1	491.6	352.9	242.2	26.3	12.1	8.2
67.5°	1254.5	1085.7	913.0	743.7	591.3	447.2	326.6	224.7	22.5	11.0	7.1
70°	1032.0	897.7	761.2	627.0	504.7	383.1	282.2	195.7	19.2	9.9	6.0
72.5°	753.6	655.5	572.2	477.3	394.0	302.5	225.2	153.5	15.3	8.2	5.5
75°	374.3	334.9	287.2	257.6	219.8	179.8	139.8	89.3	12.6	6.6	4.9
77.5°	71.2	63.6	60.8	52.6	48.2	42.7	37.8	26.9	9.9	4.9	4.4
80°	32.9	30.1	27.4	24.7	21.9	18.6	16.4	14.2	7.7	3.8	4.9
82.5°	25.8	23.6	20.8	18.6	16.4	14.2	12.1	10.4	4.9	3.3	4.9
85°	17.0	14.8	13.2	11.5	9.9	8.8	7.7	6.6	3.3	3.3	3.3
87.5°	4.9	4.9	4.4	4.4	3.8	3.8	3.3	3.3	2.7	2.7	2.7
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°	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2.5°	66.3	63.6	62.5	61.9	61.9	62.5	61.9
5°	58.6	55.9	54.8	53.7	53.7	53.7	54.3
7.5°	53.7	51.0	49.3	48.8	48.2	48.8	48.8
10°	49.3	47.1	44.9	43.8	43.8	43.8	43.8
12.5°	46.0	43.3	41.1	40.6	40.0	40.0	40.0
15°	43.3	40.0	38.4	37.3	36.7	36.7	37.3
17.5°	40.0	37.3	35.1	34.5	34.5	34.5	34.5
20°	37.8	34.5	32.9	31.8	31.8	31.8	31.8
22.5°	35.1	32.3	30.1	29.0	29.0	29.0	29.0
25°	32.9	30.1	28.0	26.9	26.9	26.9	26.9
27.5°	30.7	28.0	25.8	24.7	24.7	24.7	24.7
30°	28.5	25.8	23.6	22.5	22.5	22.5	22.5
32.5°	26.9	23.6	21.4	20.3	20.3	20.8	20.3
35°	24.1	21.4	19.2	18.1	18.1	18.1	18.1
37.5°	21.9	19.2	17.0	15.9	15.9	15.9	15.3
40°	20.3	17.0	14.8	13.7	13.2	13.2	13.2
42.5°	17.5	14.2	12.6	11.5	11.0	11.0	11.0
45°	15.9	12.6	10.4	9.3	9.3	9.3	9.3
47.5°	14.2	11.0	8.8	7.7	7.7	8.2	8.2
50°	12.6	9.3	7.1	7.1	7.1	7.7	7.7
52.5°	11.0	8.2	6.6	6.6	7.1	7.7	7.7
55°	9.9	7.1	6.0	6.6	7.1	7.7	7.7
57.5°	8.8	6.0	6.0	6.6	7.1	7.7	7.7
60°	7.7	5.5	5.5	6.0	7.1	7.7	7.7
62.5°	6.6	5.5	5.5	6.0	7.1	7.7	7.7
65°	6.0	5.5	5.5	6.0	7.1	7.7	7.7
67.5°	5.5	4.9	5.5	6.0	6.6	7.1	7.1
70°	4.9	4.9	5.5	6.0	6.6	7.1	7.1
72.5°	4.9	4.9	4.9	5.5	6.0	6.6	6.6
75°	4.9	4.9	4.9	5.5	6.0	6.6	6.6
77.5°	4.9	4.4	4.4	4.9	6.0	6.6	6.6
80°	4.9	4.4	4.4	4.9	5.5	6.6	6.6
82.5°	3.8	3.8	4.4	4.9	5.5	6.0	6.0
85°	3.3	3.8	3.8	4.4	4.9	6.0	6.0
87.5°	2.7	2.7	3.3	3.8	4.4	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)