

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: P181413

Luminaire Tested: **ICS-F04-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181413
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-F04-LED-E1-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4425.5 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 102.2
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



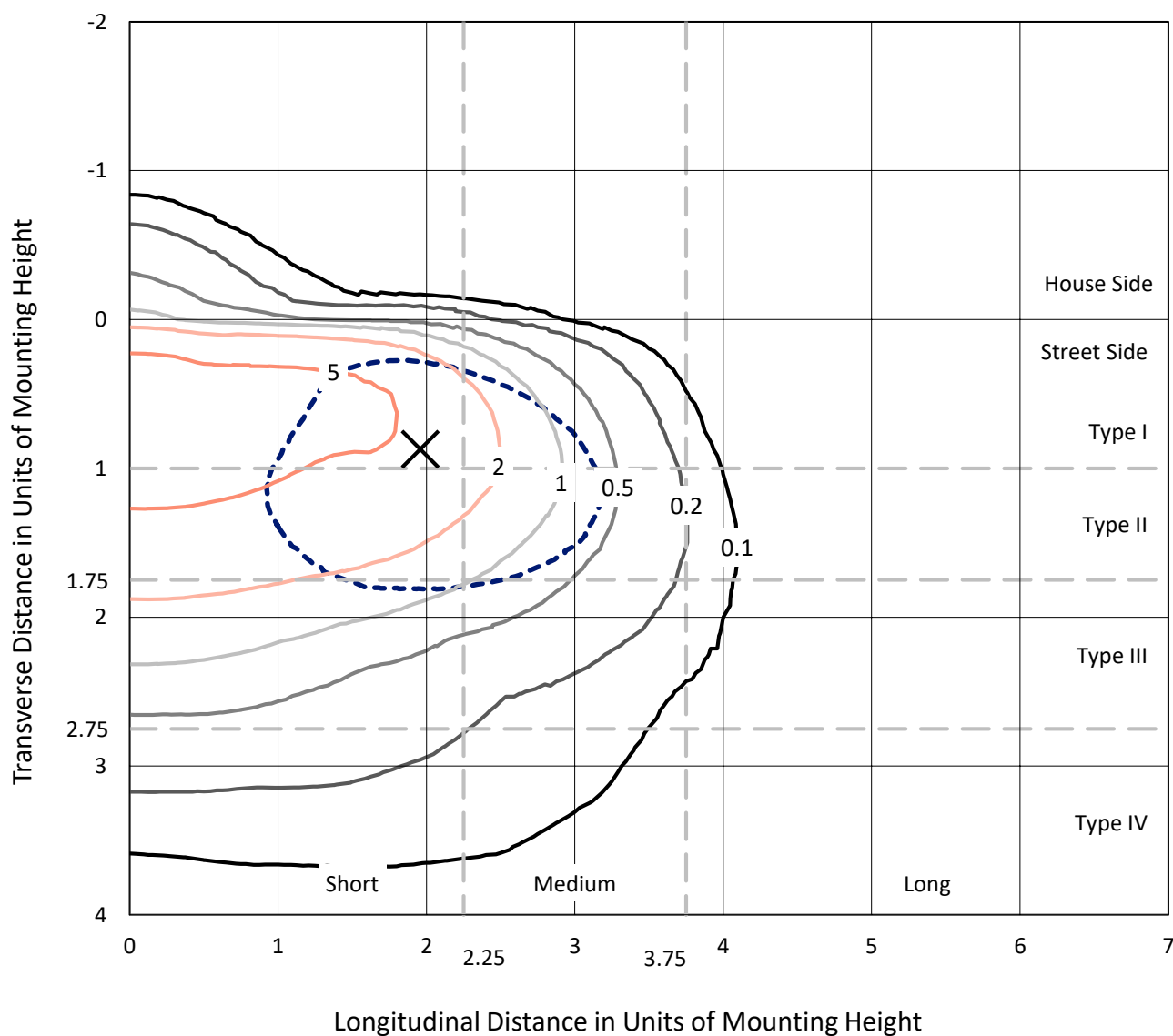
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

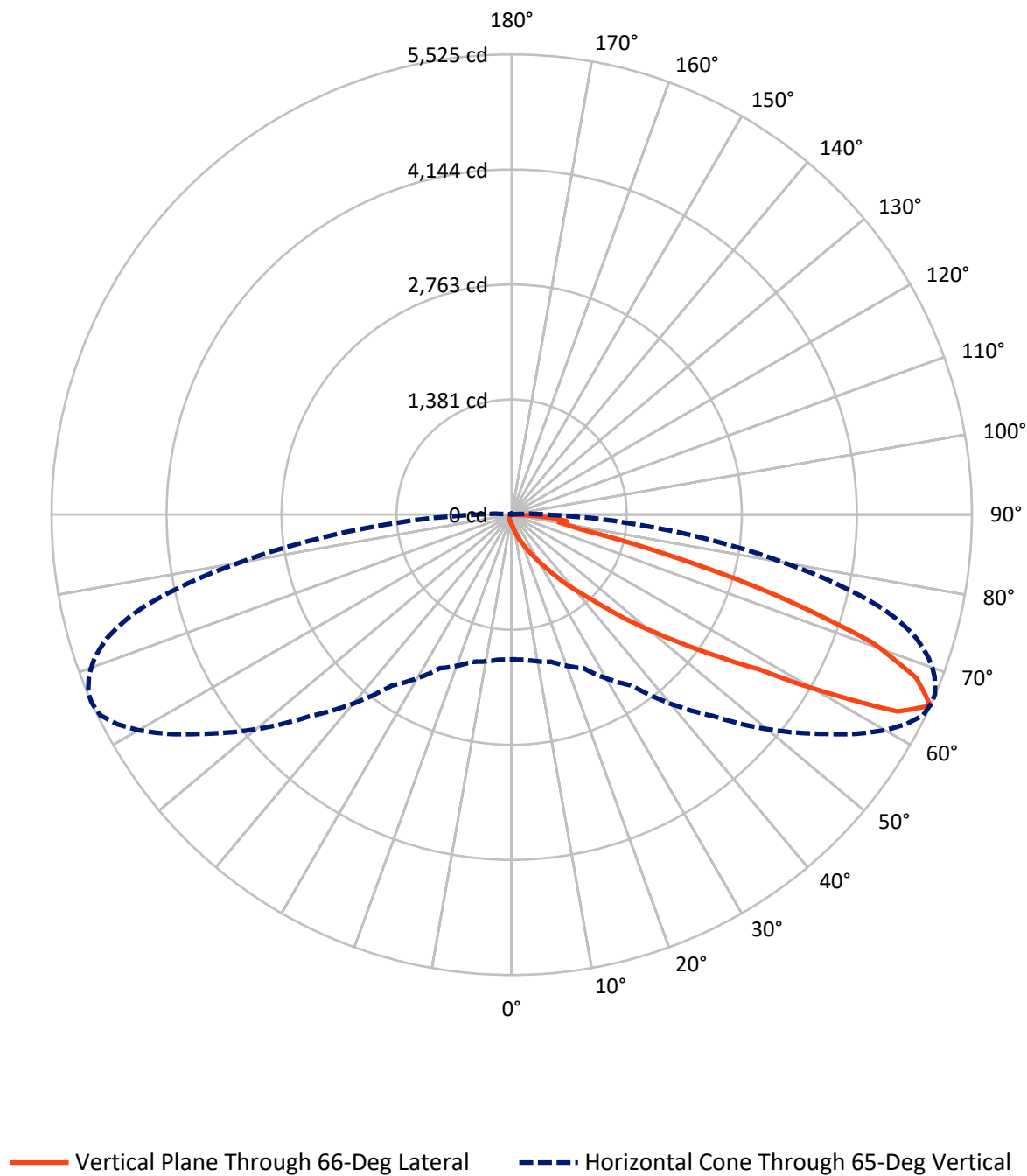


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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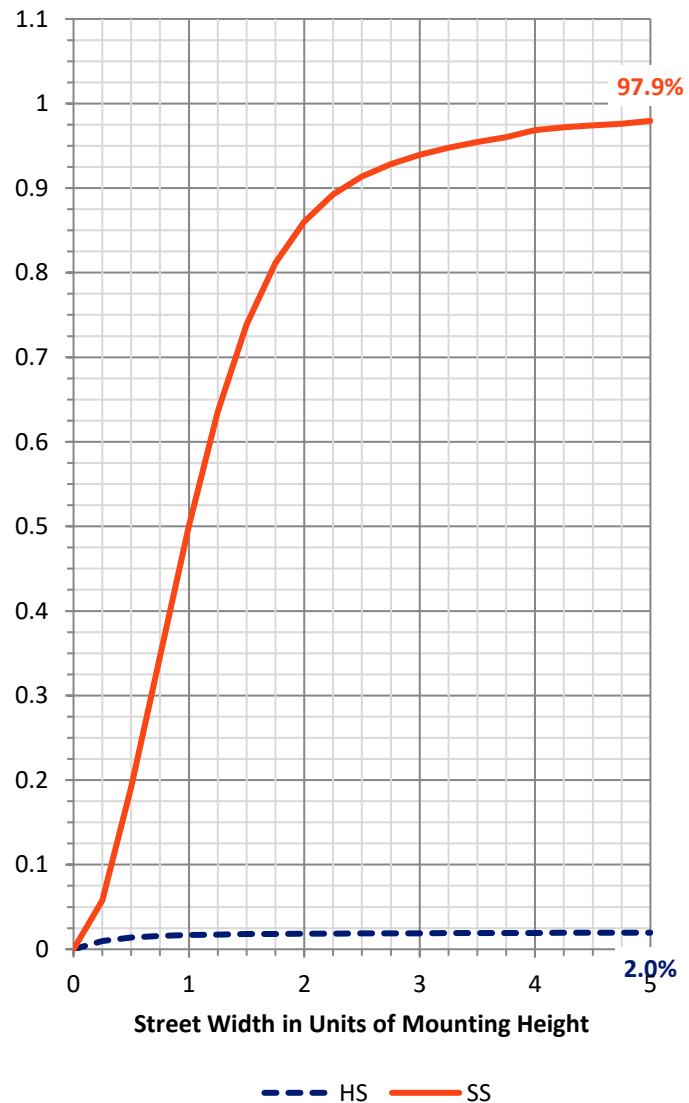
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	88.8	0.0	88.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4336.7	0.0	4336.7
	% Fixture	98.0	0.0	98.0
Total	Lumens	4425.5	0.0	4425.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.3
10°-20°	72.0	1.6
20°-30°	164.4	3.7
30°-40°	312.7	7.1
40°-50°	627.7	14.2
50°-60°	1110.7	25.1
60°-70°	1451.2	32.8
70°-80°	596.7	13.5
80°-90°	75.2	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°	4425.5	100.0
0°-180°	4425.5	100.0

Coefficient of Utilization



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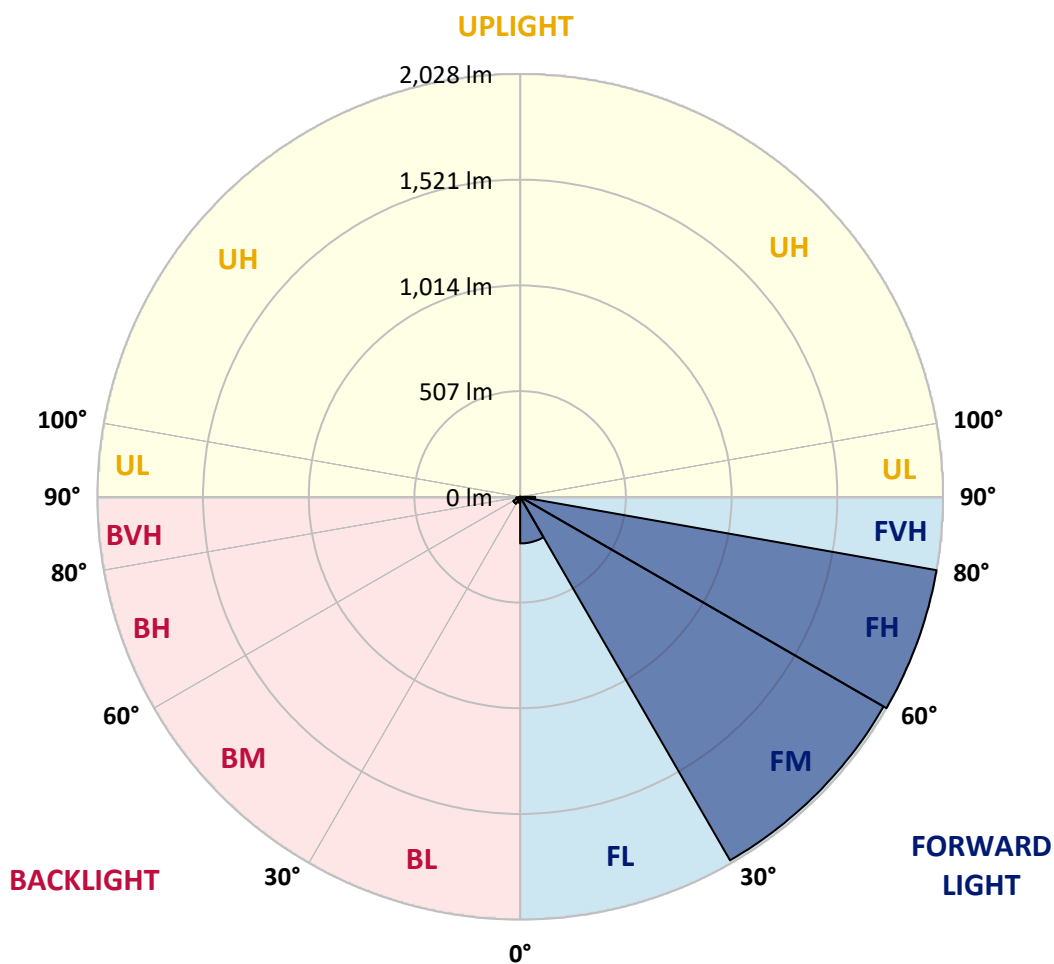
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.6	5.1			
FM	(30°-60°)	2013.1	45.5			
FH	(60°-80°)	2028.2	45.8			G2/5000
FVH	(80°-90°)	71.8	1.6			G1/100
BL	(0°-30°)	27.8	0.6	B0/110		
BM	(30°-60°)	38.1	0.9	B0/220		
BH	(60°-80°)	19.7	0.4	B0/110		G0/110
BVH	(80°-90°)	3.4	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°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	162.9	160.2	161.1	155.6	152.0	147.5	143.9	143.0	142.1	140.3	141.2
5°	234.4	231.6	225.3	214.4	204.5	189.1	173.7	172.8	170.1	167.4	165.6
7.5°	325.7	321.2	314.0	295.9	271.5	244.3	213.5	210.8	207.2	203.6	200.0
10°	431.6	428.9	415.3	394.5	357.4	313.1	261.5	258.8	250.6	246.1	242.5
12.5°	542.9	531.1	525.7	489.5	447.0	386.4	320.3	310.4	304.0	297.7	288.6
15°	627.1	628.9	616.2	587.2	537.5	466.9	384.6	373.7	364.7	352.9	342.0
17.5°	703.1	699.4	685.9	667.8	620.7	549.2	453.3	438.8	424.4	418.0	402.7
20°	764.6	762.8	751.9	734.7	698.5	629.8	525.7	513.9	497.7	486.8	469.6
22.5°	813.5	813.5	807.1	797.2	761.9	706.7	602.6	590.0	573.7	560.1	541.1
25°	852.4	851.5	852.4	847.8	824.3	773.6	681.3	666.9	653.3	637.0	618.9
27.5°	896.7	898.5	896.7	894.0	884.0	843.3	761.0	751.0	735.6	718.4	700.3
30°	965.5	960.0	959.1	957.3	945.6	920.2	843.3	831.5	819.8	808.0	795.4
32.5°	1037.9	1028.8	1026.1	1026.1	1017.9	995.3	938.3	932.0	914.8	905.7	894.9
35°	1120.2	1116.6	1113.0	1113.9	1110.2	1086.7	1039.7	1041.5	1036.0	1017.9	1007.1
37.5°	1240.5	1241.4	1235.1	1223.3	1223.3	1202.5	1175.4	1171.8	1158.2	1153.7	1147.3
40°	1412.5	1407.9	1402.5	1385.3	1379.0	1343.7	1318.4	1309.3	1298.4	1297.5	1290.3
42.5°	1611.5	1606.1	1606.1	1593.4	1580.8	1538.2	1490.3	1483.9	1472.2	1475.8	1473.1
45°	1796.1	1800.6	1807.0	1816.0	1817.8	1799.7	1730.1	1721.9	1715.6	1712.0	1709.2
47.5°	1955.4	1963.5	1984.3	2023.2	2073.0	2079.3	2024.1	2002.4	1997.9	1991.6	1986.1
50°	2069.4	2081.1	2128.2	2204.2	2301.0	2360.7	2330.9	2312.8	2311.9	2294.7	2292.9
52.5°	2134.5	2147.2	2224.1	2339.0	2489.2	2605.9	2643.0	2642.1	2640.3	2624.9	2618.6
55°	2149.0	2162.6	2254.9	2411.4	2625.8	2827.6	2969.7	2973.3	2981.5	2976.9	2976.9
57.5°	2109.2	2126.4	2226.8	2420.5	2697.3	3003.2	3313.5	3334.3	3344.3	3379.6	3420.3
60°	2035.9	2048.6	2149.0	2365.3	2710.0	3163.3	3760.5	3826.6	3878.2	3947.8	4013.9
62.5°	1900.2	1925.5	2021.4	2256.7	2672.0	3347.9	4294.4	4416.5	4517.0	4622.8	4750.4
65°	1735.5	1746.3	1827.8	2033.2	2501.9	3418.5	4589.4	4708.8	4837.3	4950.4	5064.4
67.5°	1529.2	1538.2	1608.8	1696.6	2064.8	3088.2	4298.9	4431.0	4546.8	4640.0	4789.3
70°	1001.7	1021.6	1194.4	1281.3	1443.2	2282.9	3515.3	3642.9	3731.6	3794.9	3967.7
72.5°	733.8	746.5	816.2	995.3	1035.1	1349.1	2473.8	2612.3	2644.9	2764.3	2844.8
75°	447.9	479.6	637.0	852.4	1008.9	923.8	1482.1	1549.1	1624.2	1711.1	1788.0
77.5°	90.5	103.2	208.1	587.2	887.6	987.2	884.9	897.6	934.7	942.8	971.8
80°	14.5	15.4	27.1	253.4	513.9	798.1	884.9	873.2	852.4	837.9	823.4
82.5°	6.3	7.2	11.8	64.2	109.5	266.0	765.5	825.2	894.0	932.0	941.9
85°	2.7	2.7	4.5	12.7	16.3	18.1	129.4	171.0	304.9	405.4	466.9
87.5°	1.8	1.8	2.7	2.7	3.6	4.5	6.3	6.3	7.2	8.1	11.8
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°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	141.2	140.3	140.3	137.5	137.5	136.6	136.6	135.7	135.7	133.9	134.8
5°	164.7	162.9	161.1	158.3	157.4	155.6	153.8	151.1	150.2	148.4	147.5
7.5°	196.4	194.5	190.9	185.5	181.9	178.3	174.6	171.0	168.3	165.6	163.8
10°	235.3	229.8	228.0	217.2	212.6	205.4	200.9	197.3	191.8	187.3	184.6
12.5°	282.3	277.8	268.7	254.3	247.0	240.7	232.5	225.3	219.9	211.7	206.3
15°	331.2	327.6	314.9	298.6	289.5	277.8	269.6	262.4	250.6	245.2	235.3
17.5°	392.7	381.8	369.2	345.6	333.9	323.9	309.5	298.6	291.4	275.1	266.0
20°	456.0	444.3	428.0	401.7	385.5	370.1	358.3	343.8	328.5	317.6	302.2
22.5°	528.4	509.4	496.8	464.2	445.2	428.9	409.0	393.6	378.2	361.0	343.8
25°	605.3	586.3	571.0	533.9	513.9	497.7	474.1	452.4	433.4	414.4	394.5
27.5°	685.9	668.7	651.5	613.5	596.3	573.7	552.0	526.6	502.2	485.0	457.8
30°	779.1	764.6	745.6	704.9	685.9	662.3	639.7	609.9	586.3	562.8	536.6
32.5°	879.5	867.7	847.8	811.6	789.0	769.1	744.7	715.7	682.3	657.8	627.1
35°	1001.7	981.8	970.0	935.6	918.4	896.7	871.4	846.0	810.7	776.4	750.1
37.5°	1141.0	1132.0	1116.6	1084.0	1071.3	1048.7	1032.4	1007.1	979.9	936.5	908.5
40°	1284.0	1277.6	1264.1	1231.5	1218.8	1203.4	1184.4	1160.0	1127.4	1104.8	1063.2
42.5°	1465.8	1455.9	1445.0	1414.3	1389.8	1370.8	1362.7	1341.9	1307.5	1278.5	1246.0
45°	1696.6	1692.1	1677.6	1646.8	1622.4	1609.7	1597.0	1561.8	1539.1	1510.2	1487.6
47.5°	1975.3	1960.8	1953.6	1919.2	1911.0	1901.1	1868.5	1848.6	1816.0	1793.4	1765.3
50°	2276.6	2261.2	2262.1	2220.5	2222.3	2215.1	2190.6	2167.1	2139.0	2119.1	2101.9
52.5°	2600.5	2607.8	2589.7	2602.3	2587.8	2571.6	2567.0	2538.1	2513.6	2512.7	2489.2
55°	2998.6	2986.9	2991.4	3004.1	2984.2	3002.3	2993.2	2956.1	2957.0	2964.3	2937.1
57.5°	3426.6	3443.8	3480.9	3489.1	3523.5	3499.9	3561.5	3517.1	3544.3	3544.3	3526.2
60°	4054.6	4123.4	4212.9	4282.6	4346.9	4326.0	4406.6	4355.9	4392.1	4361.3	4346.0
62.5°	4811.0	4902.4	5008.3	5121.4	5186.6	5202.8	5191.1	5213.7	5178.4	5155.8	5097.0
65°	5174.8	5265.3	5357.6	5493.3	5511.4	5525.0	5519.5	5481.5	5438.1	5373.9	5296.9
67.5°	4872.6	4999.2	5050.8	5207.4	5259.8	5240.8	5247.2	5198.3	5130.5	5067.1	4954.0
70°	4040.1	4184.9	4212.0	4436.4	4498.9	4589.4	4556.8	4542.3	4468.1	4414.7	4289.9
72.5°	2941.6	3054.7	3045.7	3298.1	3287.3	3324.4	3412.2	3408.5	3330.7	3313.5	3208.6
75°	1810.6	1878.5	1874.8	2054.0	1978.9	1968.0	1992.5	1981.6	1908.3	1832.3	1767.2
77.5°	959.1	989.9	957.3	903.9	898.5	837.9	820.7	819.8	763.7	694.9	644.2
80°	808.0	776.4	738.4	660.5	615.3	574.6	536.6	501.3	463.3	412.6	351.1
82.5°	943.7	928.4	901.2	803.5	756.4	675.0	614.4	557.4	487.7	435.2	356.5
85°	459.7	458.8	480.5	470.5	453.3	449.7	390.0	377.3	349.3	320.3	267.8
87.5°	12.7	9.0	10.9	9.0	10.9	11.8	8.1	19.0	11.8	10.9	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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	133.9	133.0	132.1	132.1	131.2	131.2	130.3	129.4	129.4	128.5	128.5
5°	145.7	143.9	143.0	142.1	140.3	139.3	137.5	136.6	134.8	133.9	132.1
7.5°	160.2	158.3	154.7	152.9	150.2	149.3	144.8	143.0	141.2	139.3	136.6
10°	178.3	173.7	170.1	166.5	162.0	158.3	154.7	152.0	148.4	143.9	142.1
12.5°	200.9	194.5	189.1	182.8	177.3	171.9	165.6	161.1	155.6	151.1	146.6
15°	226.2	217.2	209.9	200.9	191.8	185.5	179.2	172.8	165.6	159.3	153.8
17.5°	255.2	243.4	233.4	222.6	212.6	203.6	192.7	184.6	176.4	167.4	160.2
20°	285.9	274.2	260.6	248.8	234.4	224.4	210.8	200.0	188.2	179.2	169.2
22.5°	326.6	311.3	294.1	277.8	262.4	247.0	232.5	219.0	204.5	190.9	181.0
25°	374.6	355.6	333.9	317.6	295.9	278.7	260.6	243.4	228.0	210.8	194.5
27.5°	434.3	409.0	385.5	362.8	339.3	317.6	294.1	274.2	253.4	233.4	215.4
30°	504.0	479.6	444.3	418.9	395.4	365.6	342.0	315.8	292.3	263.3	243.4
32.5°	596.3	564.6	527.5	494.0	463.3	429.8	397.2	363.7	333.0	306.7	276.9
35°	716.6	679.5	635.2	592.7	558.3	517.6	475.9	437.9	402.7	364.7	327.6
37.5°	868.6	834.3	786.3	734.7	688.6	639.7	596.3	542.9	495.9	449.7	402.7
40°	1019.8	988.1	938.3	883.1	823.4	767.3	712.1	651.5	591.8	533.9	485.0
42.5°	1206.2	1159.1	1105.7	1043.3	985.4	918.4	849.6	780.0	708.5	638.8	569.1
45°	1440.5	1404.3	1329.2	1262.3	1193.5	1114.8	1029.7	950.1	858.7	776.4	684.1
47.5°	1725.5	1660.4	1605.2	1543.7	1457.7	1381.7	1273.1	1179.0	1065.0	955.5	845.1
50°	2062.1	2025.9	1952.6	1875.7	1782.5	1692.1	1586.2	1450.5	1313.8	1197.1	1046.0
52.5°	2455.7	2404.2	2358.0	2278.4	2183.4	2067.6	1947.2	1799.7	1632.3	1467.7	1306.6
55°	2922.6	2886.4	2842.1	2778.8	2657.5	2526.3	2381.5	2205.1	2006.9	1785.3	1597.9
57.5°	3525.3	3487.3	3444.7	3314.4	3232.1	3071.0	2861.1	2678.3	2464.8	2180.7	1948.1
60°	4347.8	4296.2	4236.5	4130.6	3958.7	3749.7	3524.4	3253.8	2992.3	2681.9	2377.0
62.5°	5050.8	4968.5	4840.9	4704.3	4498.0	4258.2	3975.0	3656.5	3358.8	3009.5	2670.2
65°	5195.6	5082.5	4932.3	4754.0	4541.4	4270.9	3975.0	3670.0	3319.9	2991.4	2650.3
67.5°	4819.2	4688.0	4534.2	4335.1	4132.4	3853.7	3598.6	3288.2	2958.8	2674.7	2369.8
70°	4200.3	4005.7	3848.3	3636.6	3431.2	3212.2	2943.4	2710.9	2443.1	2181.6	1948.1
72.5°	3154.3	2962.5	2819.5	2650.3	2528.1	2296.5	2099.2	1925.5	1767.2	1571.7	1398.9
75°	1700.2	1556.3	1460.4	1383.5	1274.0	1121.1	1027.0	907.6	840.6	759.2	680.4
77.5°	554.7	488.6	417.1	347.5	298.6	224.4	217.2	172.8	162.9	158.3	122.2
80°	284.1	219.0	158.3	114.0	86.9	76.9	73.3	69.7	66.1	63.3	58.8
82.5°	285.0	206.3	142.1	98.6	71.5	59.7	56.1	54.3	51.6	48.9	45.2
85°	208.1	153.8	105.9	72.4	49.8	39.8	38.0	35.3	33.5	32.6	29.0
87.5°	13.6	10.0	9.0	8.1	8.1	8.1	9.0	8.1	9.0	9.0	8.1
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°	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	127.6	126.7	126.7	125.8	124.9	124.9	124.0	124.0	121.2	116.7	113.1
5°	131.2	129.4	128.5	127.6	126.7	124.9	124.0	123.1	118.5	109.5	102.2
7.5°	133.9	132.1	131.2	129.4	126.7	125.8	124.0	122.2	114.9	102.2	94.1
10°	138.4	135.7	133.0	130.3	127.6	125.8	123.1	121.2	110.4	95.9	87.8
12.5°	143.0	139.3	135.7	131.2	128.5	125.8	123.1	119.4	106.8	90.5	81.4
15°	148.4	143.0	138.4	133.9	129.4	125.8	121.2	118.5	103.2	86.0	77.8
17.5°	153.8	147.5	141.2	134.8	130.3	124.9	121.2	116.7	99.5	82.3	73.3
20°	160.2	151.1	144.8	137.5	131.2	124.9	119.4	114.9	95.9	77.8	68.8
22.5°	169.2	158.3	148.4	140.3	132.1	125.8	119.4	113.1	92.3	74.2	65.1
25°	181.0	167.4	155.6	145.7	135.7	127.6	120.3	114.0	89.6	71.5	60.6
27.5°	198.2	181.0	168.3	154.7	142.1	132.1	123.1	115.8	87.8	68.8	57.9
30°	219.0	201.8	181.9	165.6	152.0	138.4	128.5	117.6	86.0	66.1	54.3
32.5°	249.7	225.3	201.8	181.9	162.9	147.5	133.0	122.2	85.1	61.5	50.7
35°	294.1	260.6	232.5	206.3	180.1	161.1	143.9	129.4	84.2	57.9	47.1
37.5°	357.4	317.6	281.4	244.3	211.7	184.6	161.1	142.1	84.2	55.2	43.4
40°	425.3	373.7	327.6	281.4	239.8	205.4	173.7	150.2	82.3	51.6	39.8
42.5°	502.2	438.8	375.5	318.5	266.9	222.6	185.5	156.5	77.8	48.0	36.2
45°	605.3	522.1	446.1	372.8	305.8	247.9	200.9	163.8	73.3	45.2	32.6
47.5°	734.7	637.9	539.3	447.0	359.2	285.9	223.5	175.5	70.6	41.6	29.9
50°	927.5	789.9	659.6	542.0	430.7	334.8	257.0	192.7	67.9	38.9	27.1
52.5°	1139.2	970.0	817.1	666.0	527.5	400.8	295.9	215.4	65.1	36.2	24.4
55°	1397.1	1189.0	1002.6	806.2	628.9	477.8	343.8	240.7	61.5	33.5	22.6
57.5°	1715.6	1452.3	1231.5	991.7	769.1	577.3	408.1	283.2	57.9	29.9	19.9
60°	2071.2	1773.5	1495.7	1214.3	944.7	709.4	503.1	343.8	54.3	26.2	17.2
62.5°	2327.3	2000.6	1683.0	1367.2	1071.3	808.0	580.0	390.9	48.9	22.6	15.4
65°	2324.5	1993.4	1674.0	1362.7	1075.0	811.6	582.7	399.9	43.4	19.9	13.6
67.5°	2071.2	1792.5	1507.5	1227.9	976.3	738.4	539.3	371.0	37.1	18.1	11.8
70°	1703.8	1482.1	1256.8	1035.1	833.4	632.5	466.0	323.0	31.7	16.3	10.0
72.5°	1244.2	1082.2	944.7	788.1	650.6	499.5	371.9	253.4	25.3	13.6	9.0
75°	618.0	552.9	474.1	425.3	362.8	296.8	230.7	147.5	20.8	10.9	8.1
77.5°	117.6	105.0	100.4	86.9	79.6	70.6	62.4	44.3	16.3	8.1	7.2
80°	54.3	49.8	45.2	40.7	36.2	30.8	27.1	23.5	12.7	6.3	8.1
82.5°	42.5	38.9	34.4	30.8	27.1	23.5	19.9	17.2	8.1	5.4	8.1
85°	28.1	24.4	21.7	19.0	16.3	14.5	12.7	10.9	5.4	5.4	5.4
87.5°	8.1	8.1	7.2	7.2	6.3	6.3	5.4	5.4	4.5	4.5	4.5
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):

	125°	135°	145°	155°	165°	175°	180°
0°	123.1	123.1	123.1	123.1	123.1	123.1	123.1
2.5°	109.5	105.0	103.2	102.2	102.2	103.2	102.2
5°	96.8	92.3	90.5	88.7	88.7	88.7	89.6
7.5°	88.7	84.2	81.4	80.5	79.6	80.5	80.5
10°	81.4	77.8	74.2	72.4	72.4	72.4	72.4
12.5°	76.0	71.5	67.9	67.0	66.1	66.1	66.1
15°	71.5	66.1	63.3	61.5	60.6	60.6	61.5
17.5°	66.1	61.5	57.9	57.0	57.0	57.0	57.0
20°	62.4	57.0	54.3	52.5	52.5	52.5	52.5
22.5°	57.9	53.4	49.8	48.0	48.0	48.0	48.0
25°	54.3	49.8	46.1	44.3	44.3	44.3	44.3
27.5°	50.7	46.1	42.5	40.7	40.7	40.7	40.7
30°	47.1	42.5	38.9	37.1	37.1	37.1	37.1
32.5°	44.3	38.9	35.3	33.5	33.5	34.4	33.5
35°	39.8	35.3	31.7	29.9	29.9	29.9	29.9
37.5°	36.2	31.7	28.1	26.2	26.2	26.2	25.3
40°	33.5	28.1	24.4	22.6	21.7	21.7	21.7
42.5°	29.0	23.5	20.8	19.0	18.1	18.1	18.1
45°	26.2	20.8	17.2	15.4	15.4	15.4	15.4
47.5°	23.5	18.1	14.5	12.7	12.7	13.6	13.6
50°	20.8	15.4	11.8	11.8	11.8	12.7	12.7
52.5°	18.1	13.6	10.9	10.9	11.8	12.7	12.7
55°	16.3	11.8	10.0	10.9	11.8	12.7	12.7
57.5°	14.5	10.0	10.0	10.9	11.8	12.7	12.7
60°	12.7	9.0	9.0	10.0	11.8	12.7	12.7
62.5°	10.9	9.0	9.0	10.0	11.8	12.7	12.7
65°	10.0	9.0	9.0	10.0	11.8	12.7	12.7
67.5°	9.0	8.1	9.0	10.0	10.9	11.8	11.8
70°	8.1	8.1	9.0	10.0	10.9	11.8	11.8
72.5°	8.1	8.1	8.1	9.0	10.0	10.9	10.9
75°	8.1	8.1	8.1	9.0	10.0	10.9	10.9
77.5°	8.1	7.2	7.2	8.1	10.0	10.9	10.9
80°	8.1	7.2	7.2	8.1	9.0	10.9	10.9
82.5°	6.3	6.3	7.2	8.1	9.0	10.0	10.0
85°	5.4	6.3	6.3	7.2	8.1	10.0	10.0
87.5°	4.5	4.5	5.4	6.3	7.2	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)