

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: P181503

Luminaire Tested: **ICS-F03-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181503
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F03-LED-E1-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6278.5 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 78.3
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



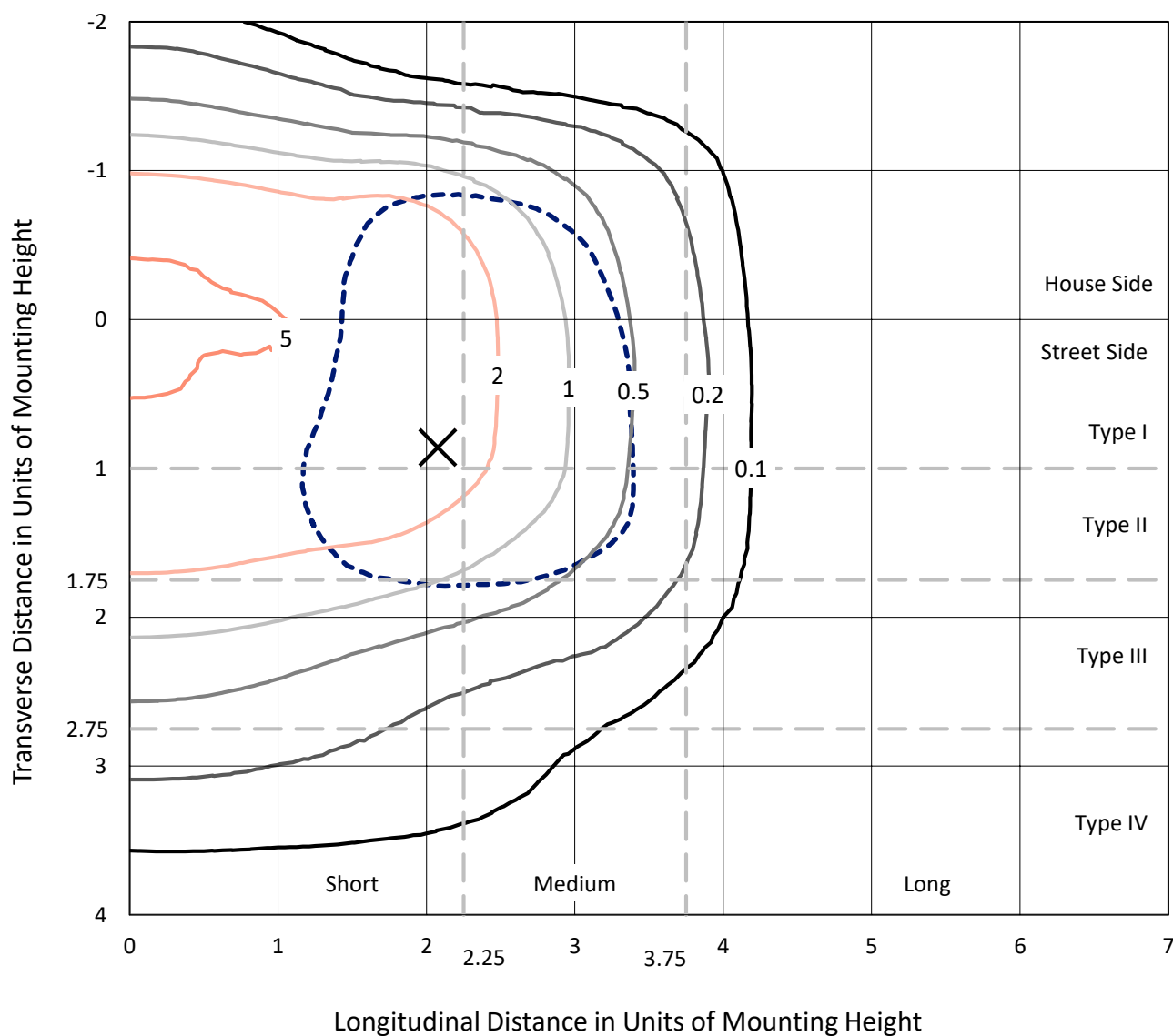
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

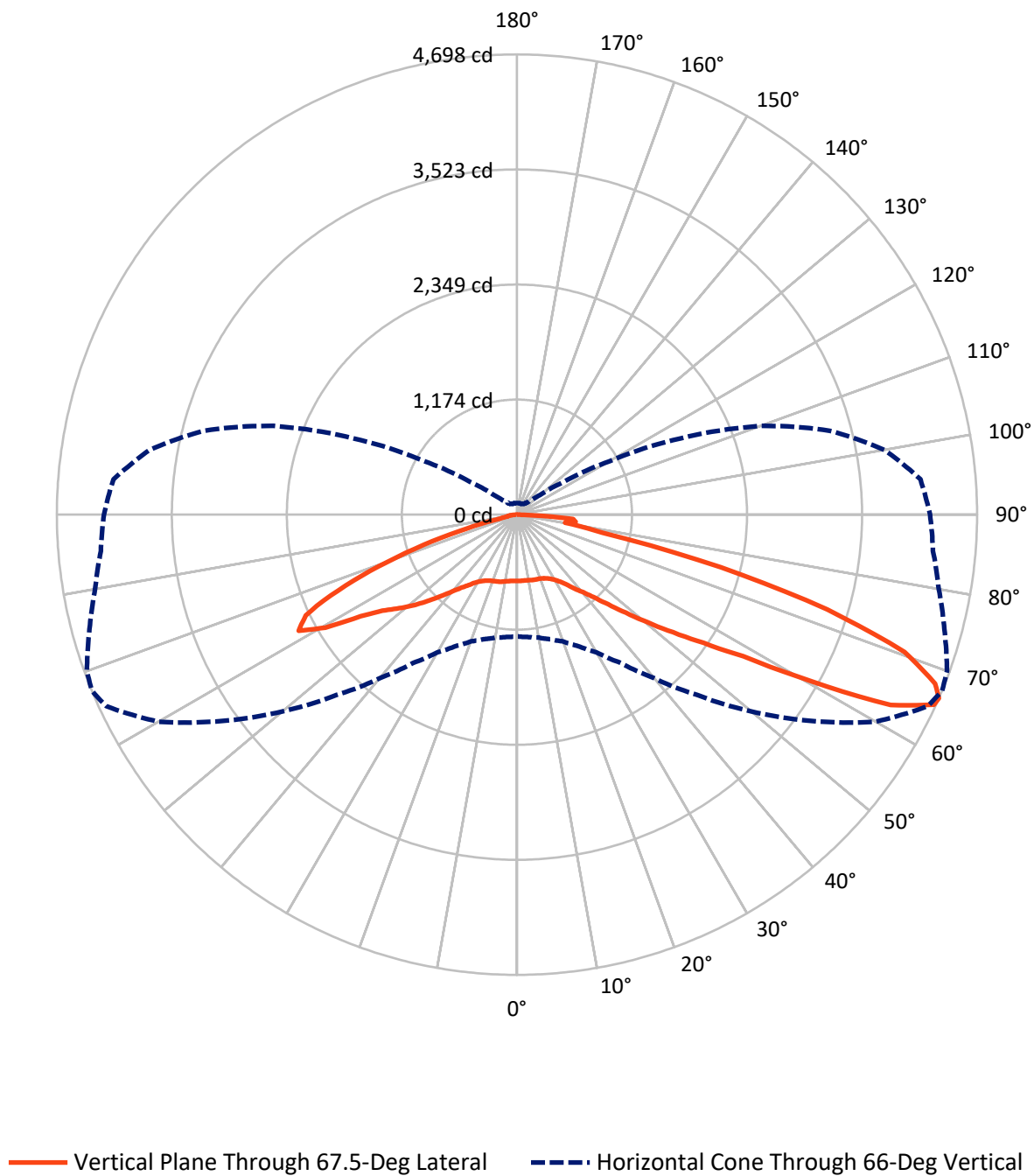


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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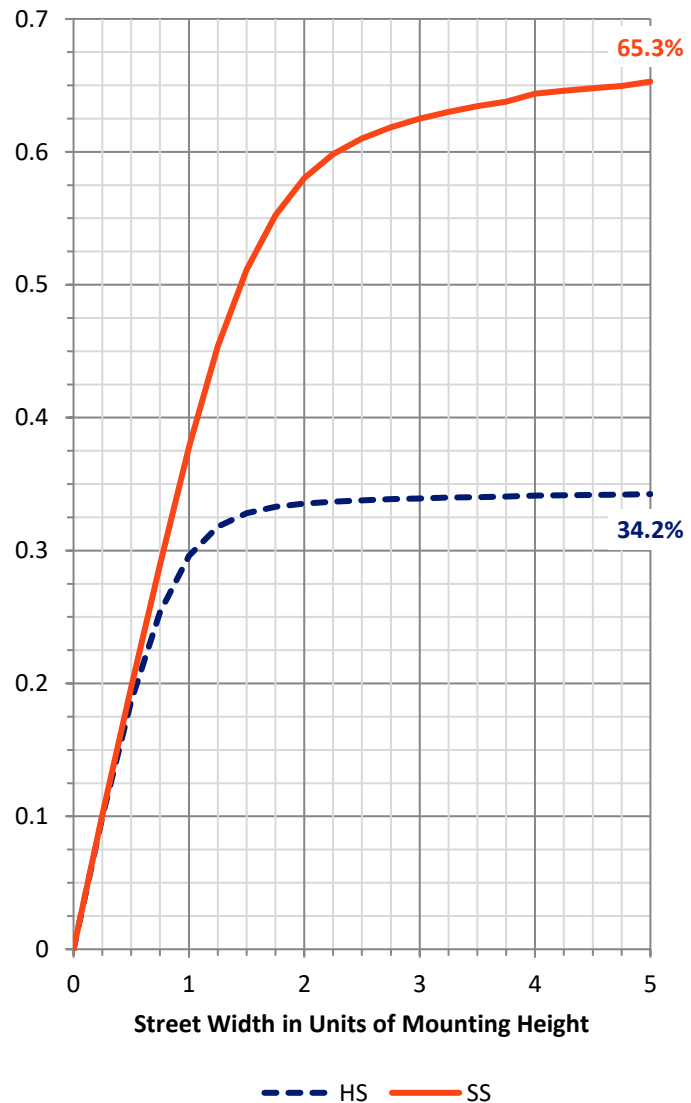
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2168.2	0.0	2168.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	4110.4	0.0	4110.4
	% Fixture	65.5	0.0	65.5
Total	Lumens	6278.5	0.0	6278.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.0
10°-20°	191.2	3.0
20°-30°	328.7	5.2
30°-40°	533.7	8.5
40°-50°	891.0	14.2
50°-60°	1403.1	22.3
60°-70°	1913.2	30.5
70°-80°	828.2	13.2
80°-90°	124.5	2.0
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°	6278.5	100.0
0°-180°	6278.5	100.0

Coefficient of Utilization



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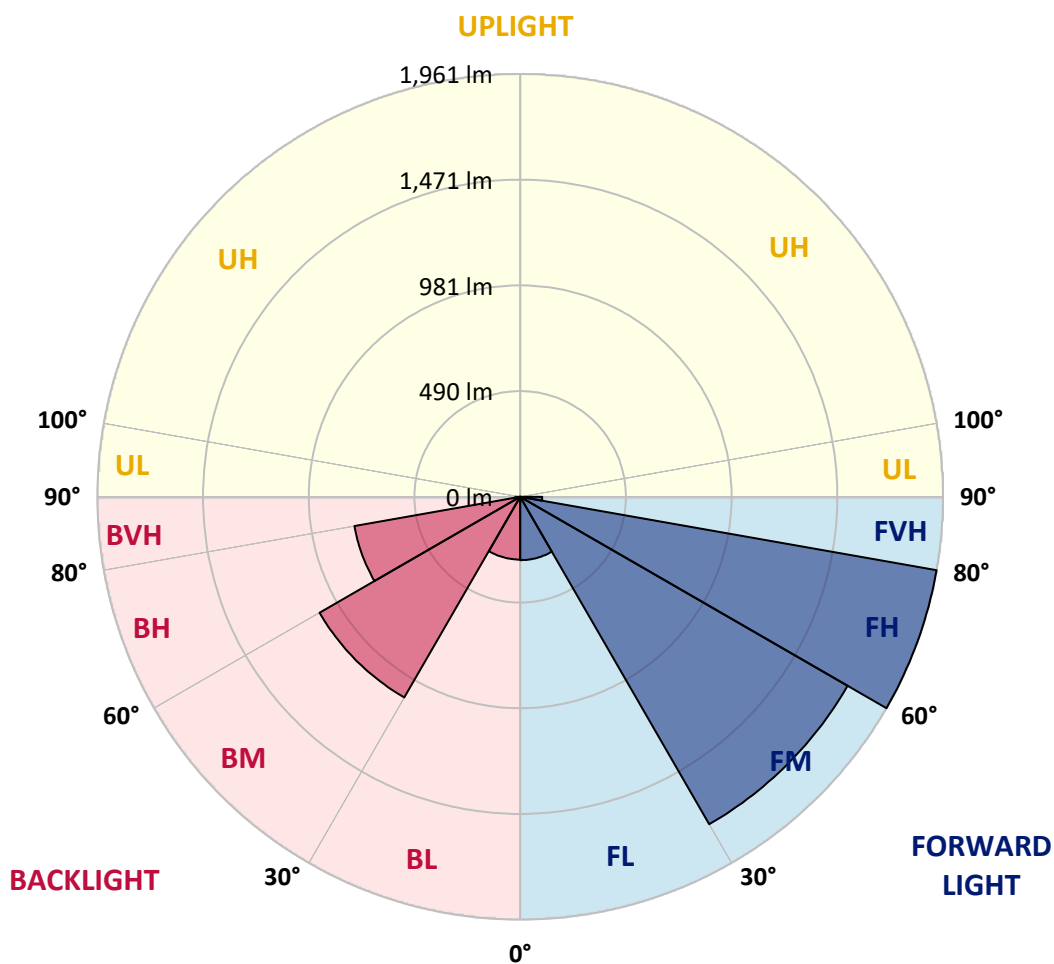
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.7	4.7			
FM	(30°-60°)	1753.4	27.9			
FH	(60°-80°)	1961.0	31.2			G2/5000
FVH	(80°-90°)	102.3	1.6			G2/225
BL	(0°-30°)	291.0	4.6	B1/500		
BM	(30°-60°)	1074.4	17.1	B2/2500		
BH	(60°-80°)	780.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	22.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6
2.5°	679.3	682.0	679.3	680.0	680.7	680.0	679.3	679.3	677.3	678.6	680.0
5°	676.6	678.6	678.0	678.6	679.3	678.6	678.0	678.6	677.3	678.0	680.0
7.5°	673.2	672.5	673.2	674.6	675.9	675.9	675.9	676.6	675.9	675.9	678.0
10°	663.0	663.7	665.1	667.1	667.8	669.8	669.8	671.8	672.5	673.9	676.6
12.5°	650.1	650.8	652.2	653.5	656.9	660.3	660.3	665.1	667.1	670.5	675.2
15°	640.6	641.3	642.7	644.0	646.7	650.1	652.2	657.6	661.0	667.1	673.9
17.5°	646.1	645.4	646.7	647.4	647.4	650.1	650.1	654.2	658.3	663.7	672.5
20°	661.7	661.7	663.0	663.0	662.3	663.7	661.0	661.0	661.7	664.4	670.5
22.5°	677.3	676.6	679.3	680.7	681.3	683.4	680.7	680.0	676.6	674.6	676.6
25°	692.2	691.5	694.9	697.0	700.3	702.4	702.4	702.4	699.7	696.3	694.2
27.5°	715.3	715.3	718.7	720.7	723.4	727.5	729.5	729.5	730.2	725.5	722.1
30°	754.0	754.6	755.3	758.0	760.7	762.1	764.8	766.9	768.9	766.2	760.7
32.5°	800.1	796.0	796.0	800.1	803.5	807.6	808.9	811.6	815.7	813.7	813.0
35°	855.1	853.7	852.4	853.7	857.8	862.5	868.0	872.7	870.0	874.1	872.0
37.5°	936.5	937.9	938.5	938.5	937.9	939.2	941.9	946.7	945.3	946.7	949.4
40°	1070.9	1066.1	1061.4	1062.1	1055.3	1056.6	1045.8	1050.5	1051.2	1046.4	1048.5
42.5°	1205.2	1208.0	1210.0	1215.4	1210.7	1208.0	1197.8	1197.8	1192.4	1187.6	1186.2
45°	1350.5	1355.9	1356.6	1367.4	1363.4	1372.2	1379.7	1377.6	1368.8	1368.1	1358.6
47.5°	1466.5	1475.3	1484.8	1497.7	1507.9	1527.6	1550.7	1562.2	1569.0	1574.4	1563.6
50°	1553.4	1557.5	1581.9	1602.2	1624.6	1657.2	1689.1	1730.5	1763.8	1779.4	1794.3
52.5°	1600.2	1610.4	1636.9	1668.8	1708.1	1757.0	1808.6	1874.4	1931.4	1969.4	2003.3
55°	1610.4	1620.6	1650.4	1691.1	1744.8	1810.6	1884.6	1974.1	2059.6	2132.9	2204.2
57.5°	1581.9	1593.4	1625.3	1672.1	1735.3	1815.3	1908.3	2025.7	2143.8	2262.6	2367.7
60°	1529.6	1543.9	1573.1	1619.2	1689.1	1779.4	1890.7	2037.9	2203.5	2385.4	2586.9
62.5°	1443.4	1458.4	1485.5	1536.4	1608.4	1708.1	1837.1	2020.3	2254.4	2540.8	2898.4
65°	1305.0	1311.8	1345.0	1396.6	1460.4	1570.4	1712.2	1933.4	2238.1	2636.5	3129.2
66°	1242.6	1254.1	1274.5	1315.9	1376.9	1480.1	1622.6	1847.2	2176.4	2603.2	3123.1
67.5°	1144.9	1153.7	1167.2	1195.1	1232.4	1308.4	1443.4	1655.9	1987.7	2434.9	2993.4
70°	925.7	929.7	948.0	957.5	970.4	995.6	1044.4	1166.6	1425.1	1845.2	2415.9
72.5°	631.1	642.7	662.3	689.5	724.8	758.7	781.8	797.4	853.0	1100.7	1609.7
75°	462.8	475.0	500.2	536.1	597.9	668.5	741.7	775.7	752.6	720.7	896.5
77.5°	268.7	285.0	306.1	340.7	397.7	491.3	616.9	728.2	803.5	808.2	767.5
80°	113.3	115.4	128.3	145.9	181.2	247.0	344.7	504.9	671.8	784.5	811.0
82.5°	25.8	31.9	40.7	48.2	59.0	81.4	120.8	200.9	363.1	569.4	742.4
85°	9.5	9.5	12.9	19.0	21.7	24.4	31.9	50.9	86.9	160.2	333.9
87.5°	0.0	0.7	1.4	1.4	2.7	3.4	5.4	7.5	6.8	6.1	20.4
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6
2.5°	678.6	678.0	676.6	676.6	676.6	676.6	675.2	675.9	674.6	675.2	675.2
5°	678.0	678.0	677.3	675.9	676.6	676.6	677.3	675.9	675.9	676.6	675.9
7.5°	678.0	677.3	677.3	677.3	678.0	677.3	678.0	678.0	678.0	678.6	678.6
10°	678.0	678.0	679.3	680.0	680.0	680.7	682.7	682.7	683.4	684.1	685.4
12.5°	678.6	681.3	683.4	685.4	686.1	687.5	690.8	690.8	692.2	694.2	694.9
15°	679.3	683.4	687.5	688.8	690.2	692.9	696.3	697.6	699.7	701.7	703.1
17.5°	678.6	684.1	688.8	690.8	692.9	696.3	700.3	701.7	704.4	707.1	709.8
20°	678.0	685.4	692.9	695.6	698.3	703.1	708.5	711.9	714.6	718.7	721.4
22.5°	682.0	690.8	701.0	705.1	709.8	716.0	723.4	727.5	730.9	735.0	737.0
25°	694.9	701.7	713.9	720.7	726.8	737.0	747.2	751.9	756.0	759.4	760.1
27.5°	716.6	718.7	733.6	742.4	751.2	767.5	779.7	783.1	790.6	793.3	792.6
30°	751.9	748.5	760.7	774.3	787.2	809.6	824.5	833.4	840.1	840.1	834.7
32.5°	802.8	797.4	800.8	816.4	831.3	863.9	881.5	893.1	897.8	896.5	884.9
35°	869.3	865.9	863.9	876.1	899.9	937.9	960.9	967.0	974.5	973.2	958.2
37.5°	948.0	945.3	945.3	959.6	982.7	1039.0	1064.1	1068.2	1067.5	1056.6	1028.8
40°	1041.0	1039.7	1033.6	1041.7	1061.4	1134.7	1168.6	1174.0	1166.6	1148.9	1116.3
42.5°	1174.7	1166.6	1147.6	1152.3	1167.2	1238.5	1282.6	1297.5	1290.1	1272.4	1219.5
45°	1349.1	1340.3	1308.4	1304.3	1312.5	1374.9	1431.9	1435.3	1433.9	1411.6	1349.1
47.5°	1554.1	1540.5	1506.6	1495.7	1493.0	1550.7	1605.6	1611.1	1607.7	1574.4	1491.0
50°	1776.0	1756.3	1733.9	1726.4	1715.6	1757.0	1812.6	1813.3	1799.7	1753.6	1675.5
52.5°	2012.8	2006.0	2002.0	1994.5	1989.7	2025.7	2059.6	2039.3	2018.9	1970.7	1902.9
55°	2251.7	2279.5	2308.0	2310.7	2318.9	2357.6	2356.9	2301.2	2286.3	2259.8	2192.7
57.5°	2505.5	2608.7	2698.2	2726.1	2753.2	2825.1	2818.4	2763.4	2744.4	2711.8	2656.2
60°	2850.9	3129.2	3387.7	3449.5	3492.2	3578.4	3570.3	3485.4	3524.8	3522.1	3450.2
62.5°	3334.8	3797.6	4185.1	4280.1	4310.0	4319.5	4267.9	4176.3	4215.0	4258.4	4037.2
65°	3662.6	4206.8	4604.5	4677.8	4681.9	4568.5	4453.9	4346.0	4336.5	4299.1	3982.9
66°	3670.0	4227.2	4626.2	4697.5	4672.4	4517.6	4372.4	4263.8	4217.0	4134.9	3807.1
67.5°	3538.4	4100.3	4529.9	4605.2	4550.2	4331.0	4130.8	3991.0	3899.4	3766.4	3477.3
70°	2971.7	3528.9	4058.2	4198.7	4216.3	3889.2	3611.7	3447.4	3323.9	3141.4	2892.3
72.5°	2209.6	2713.2	3180.1	3314.4	3383.0	3121.7	2887.6	2762.7	2593.7	2401.7	2224.6
75°	1385.1	1740.7	2053.5	2147.9	2083.4	1881.2	1740.7	1688.4	1522.2	1407.5	1326.7
77.5°	792.0	903.3	928.4	892.4	816.4	625.0	444.5	329.1	285.7	316.2	348.8
80°	773.0	708.5	564.6	496.8	449.9	309.5	181.9	124.9	103.8	106.5	115.4
82.5°	837.4	898.5	739.7	603.3	506.3	342.0	188.7	100.4	67.9	80.1	90.3
85°	544.3	757.4	682.0	574.8	465.5	292.5	155.4	52.3	34.6	45.5	62.4
87.5°	55.0	60.4	51.6	69.9	52.3	24.4	12.2	7.5	6.8	8.1	12.2
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6	676.6
2.5°	675.9	675.9	676.6	677.3	678.0	678.6	678.6	678.6	678.6	680.0	679.3
5°	677.3	678.6	680.0	680.7	682.0	682.0	684.1	683.4	683.4	685.4	686.1
7.5°	680.0	682.0	684.7	684.1	686.8	686.1	687.5	687.5	685.4	686.1	684.7
10°	686.1	688.8	690.2	688.1	688.8	686.1	685.4	682.0	678.0	675.9	673.2
12.5°	696.3	699.0	699.0	695.6	691.5	685.4	680.7	673.2	667.1	663.7	660.3
15°	705.1	707.8	707.1	701.7	695.6	686.1	679.3	670.5	661.7	656.2	652.8
17.5°	711.9	713.2	711.2	703.7	697.0	688.1	681.3	671.8	661.7	654.9	648.8
20°	722.1	720.7	716.0	706.5	699.0	690.8	685.4	677.3	665.7	656.9	648.1
22.5°	737.0	731.6	722.7	712.6	705.1	697.6	692.2	683.4	671.8	661.0	650.8
25°	756.7	745.8	733.6	722.7	716.0	707.8	701.7	692.2	680.0	667.8	655.6
27.5°	785.2	766.2	750.6	741.1	733.6	723.4	716.0	703.7	690.8	676.6	663.0
30°	817.1	791.3	776.4	768.9	760.7	749.9	738.4	722.7	707.8	692.2	675.9
32.5°	858.5	827.3	813.0	805.5	794.7	781.1	767.5	749.9	728.8	708.5	688.8
35°	912.8	880.9	865.9	854.4	839.5	821.8	802.1	778.4	749.9	722.7	697.6
37.5°	971.1	936.5	922.3	910.0	887.6	864.6	836.8	802.1	763.5	727.5	696.3
40°	1045.1	1013.2	994.9	973.8	947.4	907.3	863.9	813.7	764.1	720.0	683.4
42.5°	1138.7	1106.8	1079.7	1046.4	1000.3	938.5	876.8	811.6	751.9	701.7	662.3
45°	1262.9	1224.3	1177.4	1119.1	1044.4	958.2	877.5	798.7	728.8	673.2	631.1
47.5°	1414.9	1355.9	1279.2	1180.8	1073.6	963.7	866.6	773.0	692.9	632.5	585.7
50°	1595.5	1502.5	1376.3	1231.7	1088.5	955.5	839.5	734.3	642.0	577.5	521.9
52.5°	1801.8	1649.8	1463.8	1268.4	1087.8	928.4	793.3	675.9	575.5	503.5	450.6
55°	2044.0	1818.1	1554.1	1295.5	1068.8	878.1	722.7	593.8	493.4	426.9	378.0
57.5°	2399.0	2090.9	1711.5	1337.6	1030.8	800.8	627.1	495.4	407.2	344.1	302.7
60°	3047.7	2546.2	1995.2	1422.4	972.5	687.5	515.1	390.2	316.2	265.3	237.5
62.5°	3536.3	2898.4	2148.5	1403.4	855.1	547.7	382.1	284.3	232.8	198.2	180.5
65°	3466.4	2789.2	1985.0	1208.6	670.5	386.1	253.8	193.4	160.2	143.9	133.7
66°	3308.3	2646.7	1843.2	1087.8	579.6	321.0	209.0	162.2	137.8	126.2	119.4
67.5°	3008.4	2382.0	1589.4	891.7	445.2	232.8	157.4	128.3	112.0	107.2	102.5
70°	2500.8	1899.5	1115.7	519.2	227.3	129.6	99.8	89.6	85.5	84.8	83.5
72.5°	1916.5	1344.4	656.9	245.7	118.1	86.2	77.4	74.0	72.6	72.6	73.3
75°	1174.7	755.3	290.5	120.1	82.8	72.6	68.5	67.2	66.5	67.2	66.5
77.5°	392.2	240.2	124.2	90.9	75.3	67.2	64.5	63.1	63.1	63.1	63.1
80°	120.1	104.5	95.0	84.2	71.3	63.8	59.7	59.0	59.7	60.4	58.4
82.5°	90.3	85.5	80.1	74.6	64.5	57.0	55.6	55.6	55.6	53.6	50.9
85°	66.5	65.8	54.3	50.9	47.5	47.5	47.5	47.5	45.5	42.1	39.4
87.5°	12.2	11.5	12.2	12.9	19.0	20.4	20.4	21.7	23.8	22.4	22.4
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):

	160°	165°	170°	175°	180°
0°	676.6	676.6	676.6	676.6	676.6
2.5°	679.3	678.6	680.7	679.3	680.0
5°	685.4	684.7	686.1	684.7	686.8
7.5°	683.4	682.0	681.3	682.0	682.7
10°	669.1	667.8	667.1	666.4	667.1
12.5°	656.9	654.2	654.2	652.8	653.5
15°	648.1	646.1	645.4	644.0	644.7
17.5°	644.0	640.6	639.3	637.9	637.9
20°	641.3	637.2	635.2	633.8	633.2
22.5°	641.3	635.2	632.5	631.1	630.4
25°	644.0	636.6	632.5	630.4	629.8
27.5°	649.4	639.9	635.2	632.5	632.5
30°	659.0	646.7	639.9	636.6	635.9
32.5°	668.5	652.2	642.7	638.6	637.2
35°	673.2	652.2	640.6	633.8	632.5
37.5°	667.8	643.3	629.1	618.9	616.9
40°	650.8	625.0	609.4	599.9	598.6
42.5°	628.4	603.3	585.0	578.2	576.2
45°	597.9	568.0	549.7	540.2	540.9
47.5°	545.6	515.1	498.8	490.0	491.3
50°	483.9	454.0	439.8	430.3	432.3
52.5°	416.0	388.9	375.3	370.5	369.2
55°	344.7	323.7	314.2	308.8	306.7
57.5°	279.6	264.7	257.9	251.1	251.8
60°	220.6	213.1	211.1	203.6	202.9
62.5°	173.7	169.0	166.9	161.5	162.2
65°	131.7	130.3	131.7	128.3	129.6
66°	118.8	119.4	119.4	117.4	118.8
67.5°	102.5	103.8	105.9	103.8	105.2
70°	84.8	86.2	87.5	87.5	87.5
72.5°	74.0	75.3	76.0	76.0	76.0
75°	67.9	68.5	69.2	67.9	67.9
77.5°	63.8	63.8	62.4	61.8	61.1
80°	57.7	57.0	55.0	53.6	53.6
82.5°	48.2	46.8	45.5	43.4	43.4
85°	36.6	35.3	33.9	31.2	29.9
87.5°	19.0	19.7	19.0	15.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)