

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: P181217

Luminaire Tested: **ICS-E03-LED-E1-T2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181217
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: ICS-E03-LED-E1-T2-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3949.1 lumens
Efficiency: N/A
Efficacy: 52.5 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



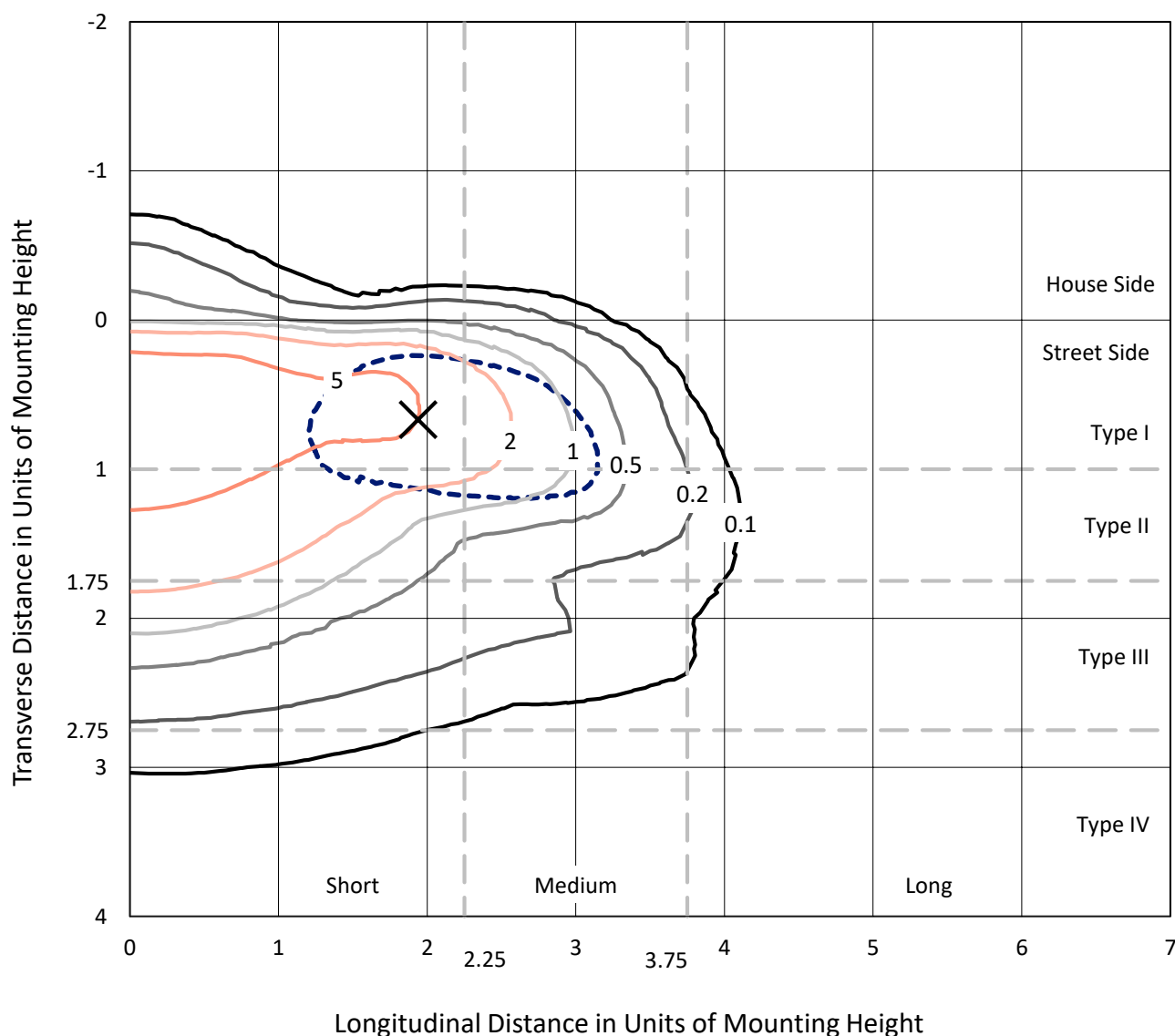
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

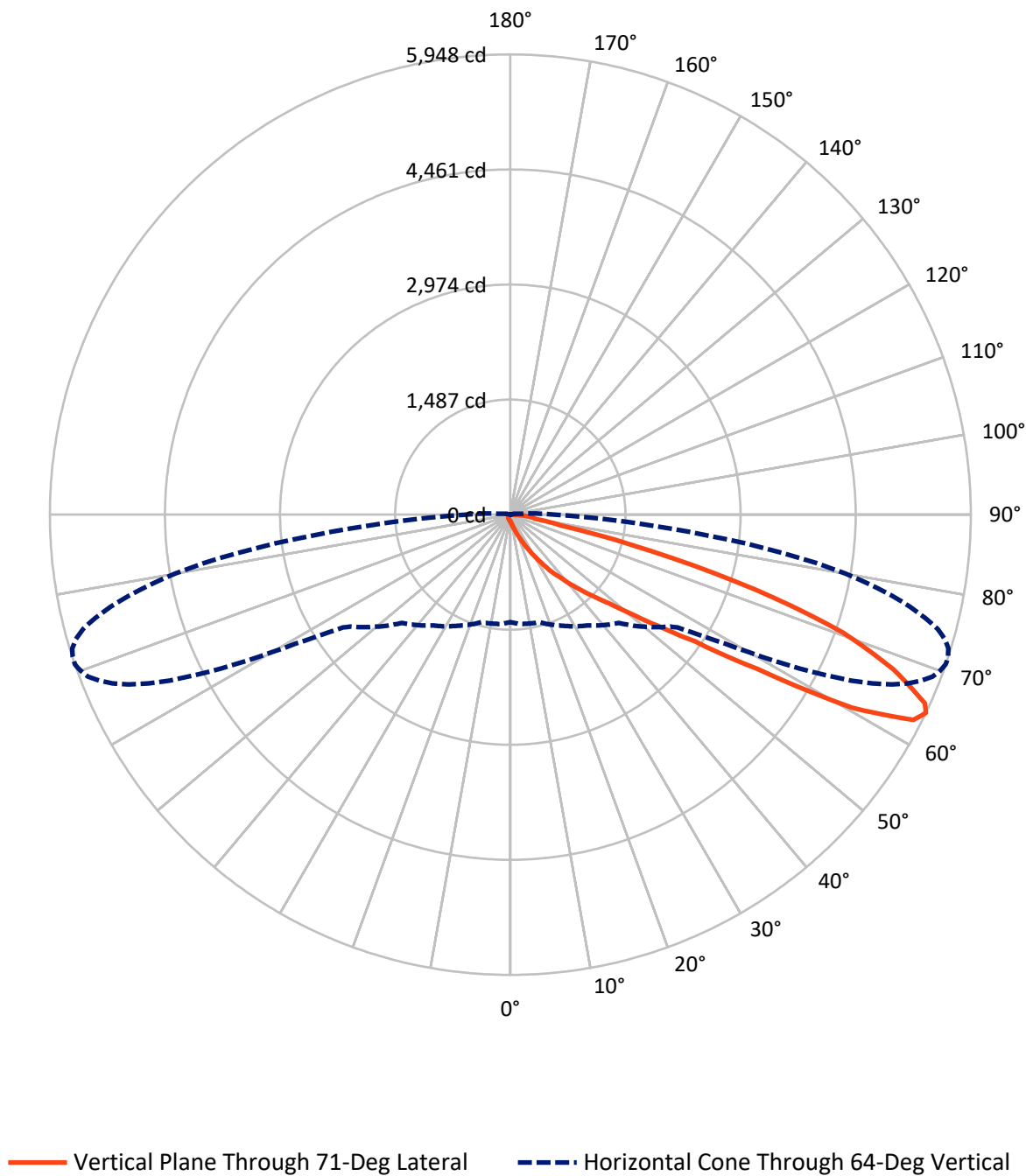


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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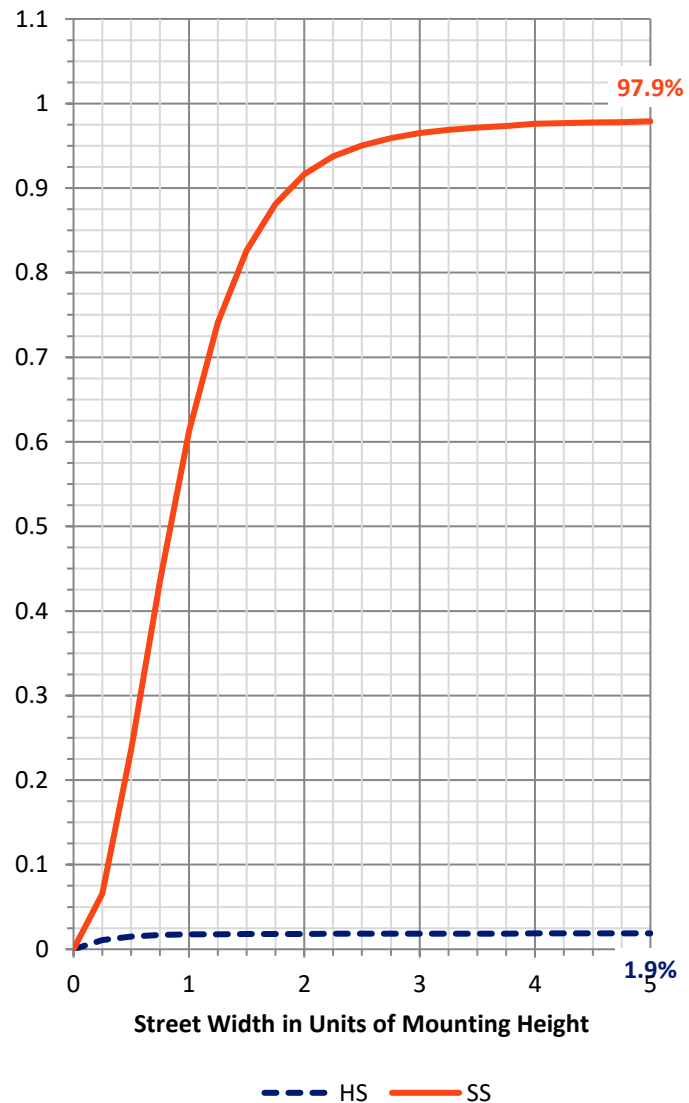
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.6	0.0	75.6
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3873.5	0.0	3873.5
	% Fixture	98.1	0.0	98.1
Total	Lumens	3949.1	0.0	3949.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.3
10°-20°	71.4	1.8
20°-30°	182.4	4.6
30°-40°	368.9	9.3
40°-50°	674.3	17.1
50°-60°	1050.5	26.6
60°-70°	1167.7	29.6
70°-80°	380.8	9.6
80°-90°	41.0	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°	3949.1	100.0
0°-180°	3949.1	100.0

Coefficient of Utilization



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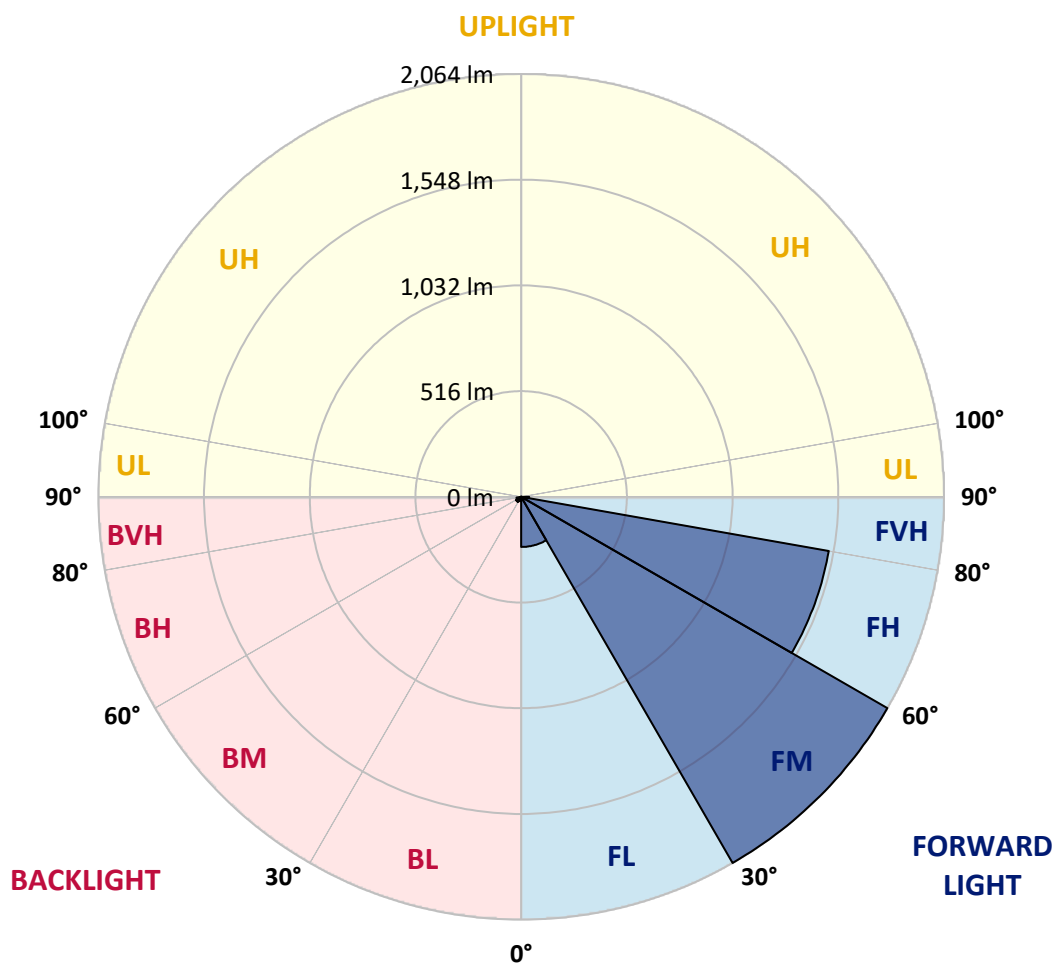
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.8	6.2			
FM	(30°-60°)	2064.5	52.3			
FH	(60°-80°)	1525.2	38.6			G1/1800
FVH	(80°-90°)	39.0	1.0			G1/100
BL	(0°-30°)	21.1	0.5	B0/110		
BM	(30°-60°)	29.2	0.7	B0/220		
BH	(60°-80°)	23.3	0.6	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	118.4	116.7	116.7	114.3	111.0	107.7	104.4	103.6	102.8	101.9	101.9
5°	185.8	179.2	176.7	167.7	156.2	142.2	129.9	126.6	126.6	124.1	122.5
7.5°	291.8	288.5	271.3	262.2	235.1	201.4	166.1	162.8	161.9	158.7	153.7
10°	427.5	420.9	408.6	382.3	332.9	274.6	224.4	216.2	210.4	203.9	197.3
12.5°	563.1	554.9	536.8	494.1	444.7	369.9	289.4	282.0	272.9	263.9	253.2
15°	698.8	693.0	665.0	622.3	558.2	468.6	366.6	353.5	346.1	328.0	319.8
17.5°	816.3	808.9	786.7	738.2	671.6	573.0	452.1	435.7	423.4	412.7	392.9
20°	918.2	910.8	889.5	849.2	774.4	677.4	544.2	536.0	513.8	497.3	485.8
22.5°	980.7	978.3	964.3	925.6	859.1	772.7	649.4	636.3	621.5	599.3	586.1
25°	1019.4	1016.9	1008.7	981.5	936.3	873.0	765.3	748.9	735.7	716.0	699.6
27.5°	1059.6	1058.0	1051.4	1027.6	1003.7	964.3	882.9	873.8	845.1	833.6	817.9
30°	1126.2	1118.8	1124.6	1113.1	1082.7	1058.0	1001.3	988.1	975.8	956.1	942.1
32.5°	1232.3	1219.9	1232.3	1219.9	1206.8	1177.2	1122.9	1118.8	1106.5	1094.2	1074.4
35°	1362.2	1357.2	1367.1	1377.8	1367.1	1327.6	1261.9	1249.5	1244.6	1224.9	1217.5
37.5°	1492.9	1501.9	1520.0	1543.8	1537.3	1508.5	1415.6	1404.1	1395.0	1377.8	1364.6
40°	1633.4	1634.3	1672.9	1707.4	1724.7	1707.4	1584.9	1575.9	1563.6	1538.9	1535.6
42.5°	1786.3	1779.8	1808.5	1847.2	1882.5	1906.4	1808.5	1791.3	1774.0	1746.1	1727.1
45°	1922.0	1922.0	1945.0	1981.2	2035.4	2095.4	2044.5	2026.4	2009.9	1986.9	1965.5
47.5°	2022.3	2023.1	2037.1	2089.7	2174.3	2264.0	2265.6	2268.9	2256.6	2229.4	2230.2
50°	2093.0	2083.9	2102.8	2153.8	2251.6	2392.2	2493.3	2499.1	2508.9	2486.7	2493.3
52.5°	2144.8	2140.6	2153.0	2195.7	2293.5	2465.4	2679.9	2704.6	2719.4	2722.7	2749.8
55°	2117.6	2120.1	2149.7	2211.3	2316.6	2513.9	2838.6	2878.9	2913.4	2943.0	2976.7
57.5°	2028.0	2035.4	2087.2	2183.4	2321.5	2553.3	3007.1	3068.8	3133.7	3212.6	3279.2
60°	1885.0	1902.2	1972.1	2106.9	2273.8	2501.5	3057.2	3151.8	3251.2	3371.3	3505.3
62.5°	1675.4	1678.6	1724.7	1855.4	2039.5	2226.1	2827.1	2947.9	3079.4	3252.9	3440.3
64°	1388.5	1418.1	1439.4	1583.3	1747.7	1980.3	2522.9	2606.8	2790.1	3003.0	3238.9
65°	1146.0	1181.3	1198.6	1342.4	1530.7	1752.6	2258.2	2347.8	2541.0	2757.2	3051.5
67.5°	675.7	651.9	702.0	786.7	944.5	1207.6	1523.3	1591.5	1735.4	1992.7	2227.8
70°	435.7	435.7	481.7	568.0	714.4	915.8	1046.5	1017.7	1048.1	1147.6	1313.7
72.5°	279.5	294.3	322.2	395.4	531.1	767.8	1069.5	933.9	863.2	830.3	828.6
75°	127.4	135.6	166.1	209.6	283.6	500.6	1078.5	1019.4	954.4	891.9	843.4
77.5°	27.1	31.2	52.6	108.5	138.1	231.0	765.3	854.1	924.8	945.4	945.4
80°	14.0	14.8	22.2	51.0	59.2	78.1	295.1	388.0	478.4	597.6	722.6
82.5°	5.8	6.6	13.2	23.0	24.7	23.8	78.1	98.6	135.6	197.3	294.3
85°	1.6	1.6	5.8	9.0	13.2	10.7	17.3	19.7	25.5	37.0	70.7
87.5°	0.0	0.0	0.8	1.6	2.5	4.1	4.9	4.9	4.9	4.9	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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	101.1	101.1	100.3	99.5	99.5	97.8	97.8	97.0	97.0	96.2	96.2
5°	121.7	120.0	118.4	115.9	115.1	113.4	111.8	110.2	108.5	107.7	106.0
7.5°	151.3	149.6	144.7	141.4	137.3	134.8	131.5	129.1	126.6	125.0	121.7
10°	190.7	185.0	182.5	171.0	168.5	162.8	157.8	154.5	148.0	143.9	139.8
12.5°	246.6	235.9	231.8	212.1	206.3	198.1	192.4	184.1	176.7	171.8	164.4
15°	309.9	301.7	286.1	266.3	255.7	246.6	232.6	226.1	216.2	205.5	194.8
17.5°	385.5	370.7	353.5	328.0	314.8	300.9	287.7	273.7	257.3	247.4	235.9
20°	473.5	457.9	436.5	404.5	388.8	374.9	351.8	342.0	322.2	302.5	287.7
22.5°	569.7	554.1	533.5	497.3	476.8	453.8	434.9	417.6	394.6	374.9	357.6
25°	678.2	660.1	644.5	602.6	577.1	553.2	532.7	502.3	482.5	459.5	435.7
27.5°	801.5	780.1	759.6	713.5	689.7	663.4	638.7	606.7	587.8	550.0	527.8
30°	928.1	901.8	880.4	833.6	812.2	785.1	751.4	722.6	690.5	665.0	628.9
32.5°	1061.3	1039.9	1022.6	973.3	946.2	912.5	882.1	851.7	823.7	782.6	749.7
35°	1203.5	1184.6	1165.7	1122.9	1099.1	1073.6	1039.1	1002.1	963.5	920.7	891.1
37.5°	1353.1	1338.3	1323.5	1271.7	1243.8	1216.6	1177.2	1140.2	1105.7	1060.5	1010.3
40°	1510.1	1496.1	1472.3	1429.6	1400.0	1375.3	1339.1	1304.6	1257.8	1207.6	1163.2
42.5°	1707.4	1677.0	1656.5	1609.6	1578.4	1551.2	1519.2	1467.4	1427.9	1367.9	1325.2
45°	1938.4	1909.6	1875.9	1828.3	1789.6	1745.2	1700.0	1664.7	1615.3	1561.1	1506.0
47.5°	2198.2	2175.2	2135.7	2088.9	2050.2	2005.8	1952.4	1907.2	1847.2	1783.9	1709.1
50°	2484.3	2460.4	2434.1	2381.5	2342.9	2300.9	2259.0	2205.6	2151.3	2075.7	1998.4
52.5°	2749.8	2754.7	2739.1	2714.4	2695.5	2652.0	2613.3	2562.4	2514.7	2445.6	2385.6
55°	3012.0	3054.8	3071.2	3095.1	3103.3	3067.9	3067.1	2992.3	2963.5	2923.2	2888.7
57.5°	3358.1	3452.7	3527.5	3672.1	3733.0	3794.6	3806.1	3753.5	3807.8	3737.9	3761.7
60°	3652.4	3825.9	4011.7	4385.7	4573.1	4714.5	4828.0	4911.8	4966.1	5058.1	5063.1
62.5°	3678.7	3951.6	4234.4	4780.3	5036.8	5251.3	5456.0	5599.1	5712.5	5816.9	5842.4
64°	3552.9	3890.8	4234.4	4894.5	5156.8	5395.2	5581.8	5724.0	5839.9	5904.9	5947.6
65°	3324.4	3702.6	4098.0	4818.9	5089.4	5342.6	5521.0	5664.0	5773.3	5838.3	5882.7
67.5°	2462.9	2828.7	3225.8	4065.1	4490.9	4722.7	4951.3	5151.9	5239.8	5322.0	5337.6
70°	1501.1	1766.6	2040.4	2818.8	3214.3	3631.0	3888.3	4181.8	4387.3	4513.9	4555.9
72.5°	905.9	998.0	1161.6	1580.0	1959.0	2251.6	2607.6	2887.9	3118.1	3245.5	3309.6
75°	806.4	794.9	816.3	990.6	1125.4	1301.3	1430.4	1606.3	1748.5	1792.9	1875.9
77.5°	932.2	899.3	865.6	832.7	826.2	809.7	783.4	790.0	727.5	667.5	669.2
80°	830.3	909.2	956.1	921.5	843.4	764.5	667.5	546.7	427.5	353.5	322.2
82.5°	416.8	592.7	762.0	929.7	918.2	848.4	741.5	609.1	471.9	362.5	289.4
85°	128.2	227.7	320.6	445.6	517.1	507.2	445.6	433.2	309.1	240.9	185.8
87.5°	5.8	5.8	5.8	4.9	5.8	5.8	5.8	6.6	6.6	7.4	7.4
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°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	96.2	95.4	94.5	93.7	93.7	93.7	92.9	92.9	92.1	92.1	91.2
5°	106.0	104.4	103.6	101.9	101.9	100.3	99.5	98.6	97.0	96.2	95.4
7.5°	119.2	117.6	115.1	112.6	111.8	109.3	106.9	105.2	103.6	101.9	100.3
10°	136.5	133.2	128.2	125.0	122.5	119.2	115.9	113.4	110.2	106.9	105.2
12.5°	158.7	152.1	147.1	141.4	136.5	131.5	125.8	122.5	119.2	114.3	111.0
15°	184.1	177.6	171.8	161.9	153.7	147.1	142.2	134.8	129.1	122.5	117.6
17.5°	227.7	210.4	198.9	189.1	180.9	168.5	158.7	150.4	143.0	134.8	129.1
20°	270.5	255.7	240.0	228.5	210.4	199.8	186.6	175.1	161.9	152.1	142.2
22.5°	332.9	314.0	294.3	277.0	252.4	237.6	220.3	205.5	189.1	172.6	161.9
25°	411.9	383.9	357.6	332.9	309.9	287.7	265.5	241.7	224.4	204.7	186.6
27.5°	494.9	463.6	438.2	406.1	376.5	349.4	321.4	295.9	266.3	240.9	219.5
30°	599.3	556.5	526.9	488.3	458.7	420.9	386.4	352.7	316.5	286.9	256.5
32.5°	705.3	676.6	626.4	593.5	549.1	503.9	467.8	429.1	384.7	346.1	309.1
35°	845.1	795.8	753.8	707.8	659.3	612.4	565.6	510.5	465.3	417.6	372.4
37.5°	968.4	918.2	869.7	809.7	754.7	705.3	648.6	591.1	537.6	480.9	426.6
40°	1111.4	1048.9	991.4	935.5	867.3	808.9	749.7	678.2	616.5	554.1	489.9
42.5°	1267.6	1204.3	1136.1	1072.0	997.2	925.6	852.5	781.0	711.9	636.3	561.5
45°	1438.6	1372.0	1295.6	1222.4	1141.0	1062.1	975.0	892.8	811.4	726.7	640.4
47.5°	1650.7	1565.2	1494.5	1403.3	1302.1	1219.1	1112.2	1018.5	925.6	827.0	730.0
50°	1925.3	1828.3	1726.3	1625.2	1513.4	1408.2	1289.8	1178.8	1054.7	944.5	833.6
52.5°	2289.4	2217.1	2098.7	1982.8	1846.3	1712.4	1549.6	1405.7	1246.2	1105.7	970.0
55°	2806.5	2758.8	2656.1	2529.5	2410.3	2214.6	2027.2	1803.6	1596.4	1394.2	1203.5
57.5°	3742.8	3691.0	3576.8	3546.4	3363.0	3219.2	2999.7	2710.3	2359.3	2050.2	1741.9
60°	5091.0	4989.9	4878.1	4857.6	4642.2	4490.9	4273.1	3964.8	3634.3	3141.1	2721.0
62.5°	5844.0	5813.6	5723.2	5612.2	5425.6	5201.2	4956.2	4657.8	4322.4	3890.0	3390.2
64°	5945.1	5917.2	5839.1	5714.1	5526.7	5303.9	5032.7	4735.1	4398.8	4004.3	3548.0
65°	5881.8	5842.4	5775.8	5660.7	5486.4	5272.7	4999.8	4698.1	4356.9	3977.1	3552.9
67.5°	5371.3	5353.3	5292.4	5185.6	5076.2	4883.9	4643.8	4374.2	4095.5	3719.0	3371.3
70°	4560.8	4547.6	4470.4	4427.6	4246.8	4125.1	3931.1	3719.0	3472.4	3210.1	2914.2
72.5°	3381.1	3336.7	3274.3	3209.3	3086.8	2920.0	2768.7	2542.6	2415.2	2194.1	2027.2
75°	1792.9	1765.0	1668.0	1532.3	1381.1	1303.0	1146.0	1005.4	893.6	843.4	722.6
77.5°	619.8	564.8	510.5	449.7	356.8	281.1	224.4	179.2	141.4	125.0	104.4
80°	309.1	293.5	276.2	241.7	203.0	163.6	128.2	101.1	83.0	70.7	63.3
82.5°	250.7	222.0	198.1	173.5	138.9	114.3	90.4	74.0	60.8	53.4	46.9
85°	148.0	113.4	86.3	78.1	60.8	52.6	45.2	38.6	32.9	31.2	28.8
87.5°	5.8	7.4	7.4	5.8	7.4	6.6	6.6	5.8	5.8	5.8	5.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	91.2	90.4	90.4	89.6	88.8	88.8	88.8	88.0	86.3	83.0	80.6
5°	94.5	93.7	92.9	91.2	90.4	89.6	88.8	88.8	84.7	78.9	74.8
7.5°	98.6	97.0	95.4	93.7	92.9	91.2	89.6	88.8	83.0	75.6	71.5
10°	102.8	100.3	97.8	97.0	94.5	92.9	90.4	88.8	82.2	73.2	67.4
12.5°	107.7	104.4	101.1	98.6	95.4	93.7	91.2	88.8	80.6	70.7	64.1
15°	113.4	108.5	104.4	101.9	98.6	94.5	91.2	88.8	78.9	68.2	60.8
17.5°	120.8	115.1	110.2	105.2	100.3	96.2	92.9	89.6	76.5	64.9	56.7
20°	132.4	125.0	116.7	111.0	104.4	99.5	93.7	89.6	74.8	61.7	53.4
22.5°	148.0	136.5	127.4	117.6	109.3	102.8	96.2	91.2	72.3	58.4	49.3
25°	170.2	155.4	140.6	128.2	117.6	108.5	100.3	93.7	70.7	55.9	46.9
27.5°	194.8	177.6	157.8	143.0	128.2	115.1	106.0	97.8	70.7	54.3	44.4
30°	229.4	204.7	180.9	161.9	142.2	127.4	114.3	103.6	70.7	53.4	41.9
32.5°	271.3	243.3	212.9	185.8	162.8	141.4	125.0	111.0	72.3	51.8	40.3
35°	329.6	288.5	252.4	218.7	188.3	163.6	142.2	123.3	74.8	51.0	37.8
37.5°	375.7	326.4	280.3	241.7	206.3	175.9	148.8	128.2	72.3	47.7	35.3
40°	430.8	374.9	319.0	270.5	230.2	190.7	159.5	134.8	70.7	43.6	32.1
42.5°	497.3	427.5	362.5	307.5	257.3	210.4	173.5	143.0	70.7	41.1	29.6
45°	559.8	483.4	411.0	342.0	283.6	231.8	186.6	152.1	69.9	38.6	26.3
47.5°	637.1	546.7	462.0	382.3	314.8	251.6	200.6	160.3	69.1	36.2	23.8
50°	728.3	618.2	522.8	427.5	345.3	275.4	217.0	169.3	67.4	33.7	21.4
52.5°	829.5	711.1	589.4	479.3	383.1	300.9	232.6	177.6	64.9	31.2	18.9
55°	1008.7	845.9	702.0	565.6	440.6	338.7	255.7	189.9	62.5	28.8	16.4
57.5°	1438.6	1169.0	965.1	759.6	580.4	434.9	318.1	225.2	59.2	25.5	13.2
60°	2259.0	1814.3	1468.2	1151.7	878.0	667.5	468.6	332.9	63.3	21.4	11.5
62.5°	2897.8	2386.4	1945.8	1548.8	1202.7	914.1	682.3	497.3	91.2	18.9	9.0
64°	3064.6	2546.7	2076.5	1660.6	1300.5	1002.9	761.2	562.3	117.6	18.9	8.2
65°	3089.3	2596.1	2123.4	1701.7	1334.2	1026.8	784.2	583.7	128.2	19.7	7.4
67.5°	2987.4	2567.3	2137.4	1718.9	1359.7	1059.6	815.5	617.4	144.7	18.9	5.8
70°	2609.2	2300.1	1946.6	1607.9	1282.4	1007.0	784.2	598.5	151.3	18.1	4.9
72.5°	1775.6	1562.7	1353.9	1113.9	892.8	735.7	572.2	421.7	106.0	14.8	4.1
75°	591.9	577.1	516.3	391.3	328.8	267.2	213.7	164.4	40.3	9.0	4.1
77.5°	98.6	84.7	74.0	70.7	59.2	57.5	50.1	40.3	17.3	5.8	4.1
80°	57.5	52.6	46.0	41.1	36.2	32.1	27.1	23.0	10.7	4.1	4.9
82.5°	42.7	37.8	33.7	29.6	25.5	22.2	18.9	15.6	5.8	4.1	4.9
85°	24.7	21.4	18.9	16.4	13.2	11.5	9.9	8.2	4.1	4.1	4.1
87.5°	4.9	4.9	4.1	4.1	4.1	4.1	4.1	3.3	4.1	4.1	3.3
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°	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2.5°	78.9	76.5	75.6	75.6	75.6	75.6	75.6
5°	72.3	69.9	68.2	67.4	67.4	67.4	67.4
7.5°	67.4	64.1	62.5	60.8	60.8	60.0	60.0
10°	62.5	59.2	56.7	55.1	54.3	54.3	54.3
12.5°	58.4	55.1	51.8	50.1	50.1	49.3	49.3
15°	55.1	50.1	47.7	46.0	46.0	45.2	45.2
17.5°	51.0	46.9	44.4	42.7	41.9	41.9	41.9
20°	46.9	42.7	40.3	39.5	38.6	38.6	37.8
22.5°	43.6	39.5	37.0	36.2	35.3	35.3	34.5
25°	40.3	36.2	33.7	32.9	32.1	31.2	31.2
27.5°	37.8	33.7	31.2	29.6	28.8	28.0	28.0
30°	35.3	30.4	28.0	26.3	25.5	24.7	24.7
32.5°	32.9	28.0	24.7	23.0	22.2	21.4	21.4
35°	29.6	24.7	21.4	20.6	19.7	18.9	18.1
37.5°	27.1	21.4	18.9	17.3	16.4	15.6	15.6
40°	23.8	18.9	16.4	14.8	13.2	12.3	12.3
42.5°	21.4	16.4	14.0	11.5	10.7	9.9	9.9
45°	18.9	14.8	11.5	9.0	8.2	7.4	7.4
47.5°	16.4	12.3	9.0	7.4	6.6	5.8	5.8
50°	14.0	9.9	6.6	4.9	5.8	4.9	4.9
52.5°	12.3	7.4	4.9	4.9	4.9	4.9	4.9
55°	9.9	5.8	4.1	4.1	4.9	4.9	4.9
57.5°	8.2	4.1	3.3	4.1	4.1	4.1	4.1
60°	5.8	3.3	3.3	4.1	4.1	4.1	4.1
62.5°	4.9	3.3	3.3	3.3	4.1	4.1	4.1
64°	4.1	3.3	3.3	3.3	4.1	4.1	4.1
65°	4.1	3.3	3.3	3.3	4.1	4.1	4.1
67.5°	4.1	3.3	3.3	3.3	4.1	4.1	4.1
70°	3.3	3.3	3.3	3.3	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	4.1	4.1	4.1
75°	3.3	3.3	3.3	3.3	4.1	4.1	4.1
77.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1
80°	3.3	3.3	3.3	4.1	4.1	4.1	4.1
82.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1
85°	3.3	3.3	3.3	4.1	4.1	4.1	4.1
87.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)