

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: P181398

Luminaire Tested: **ICS-E03-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181398
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-E03-LED-E1-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4020.6 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

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



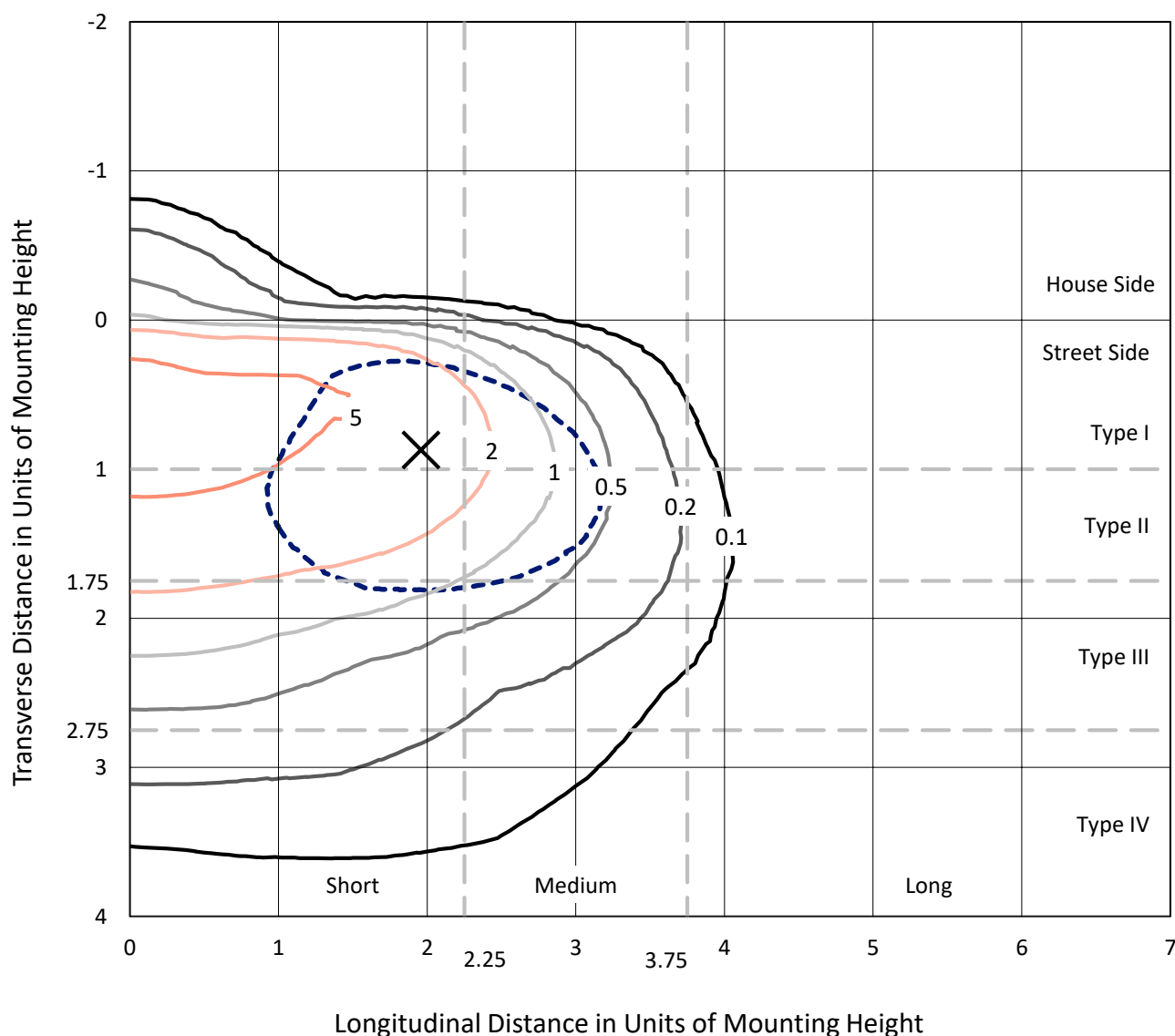
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

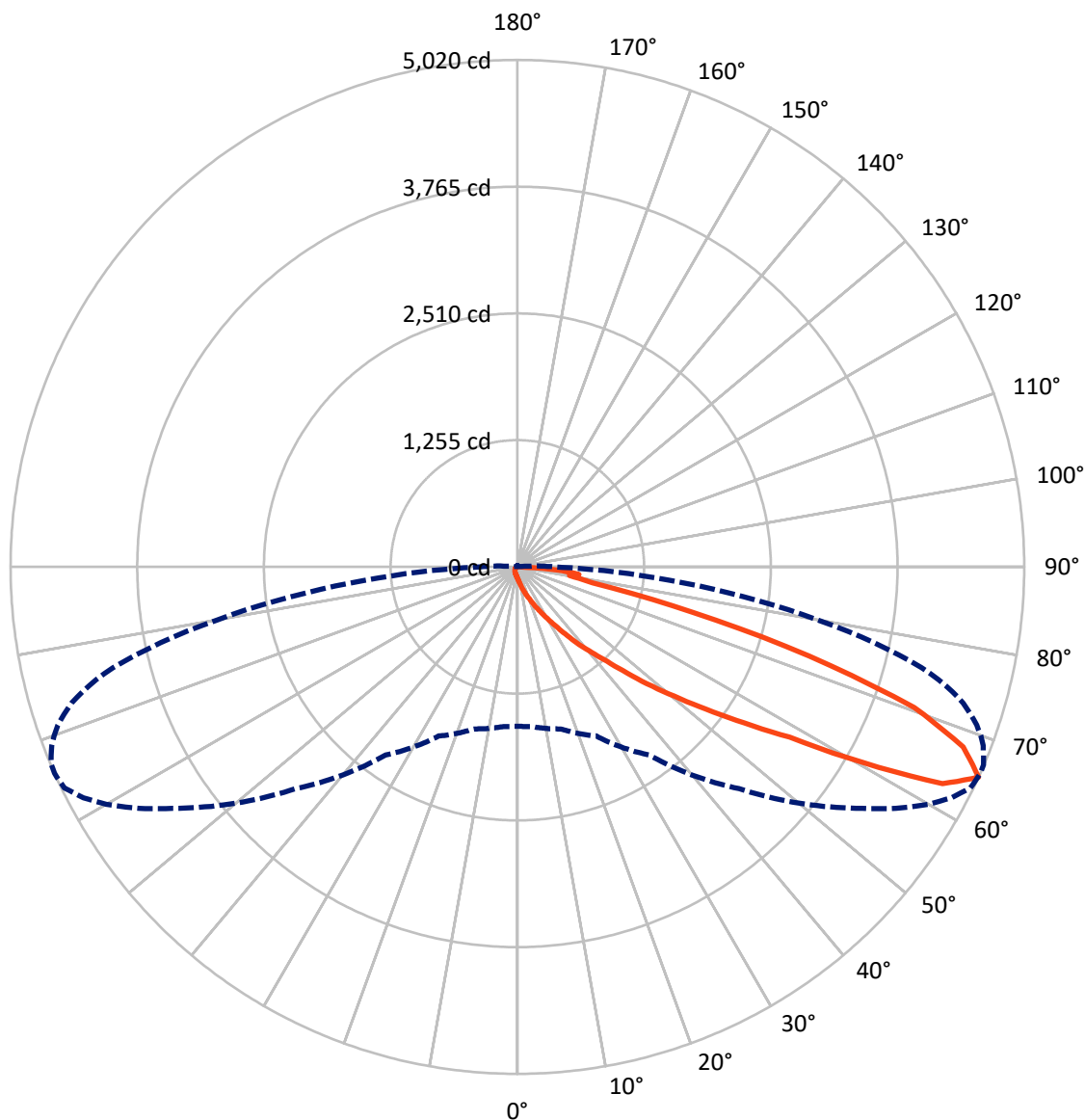


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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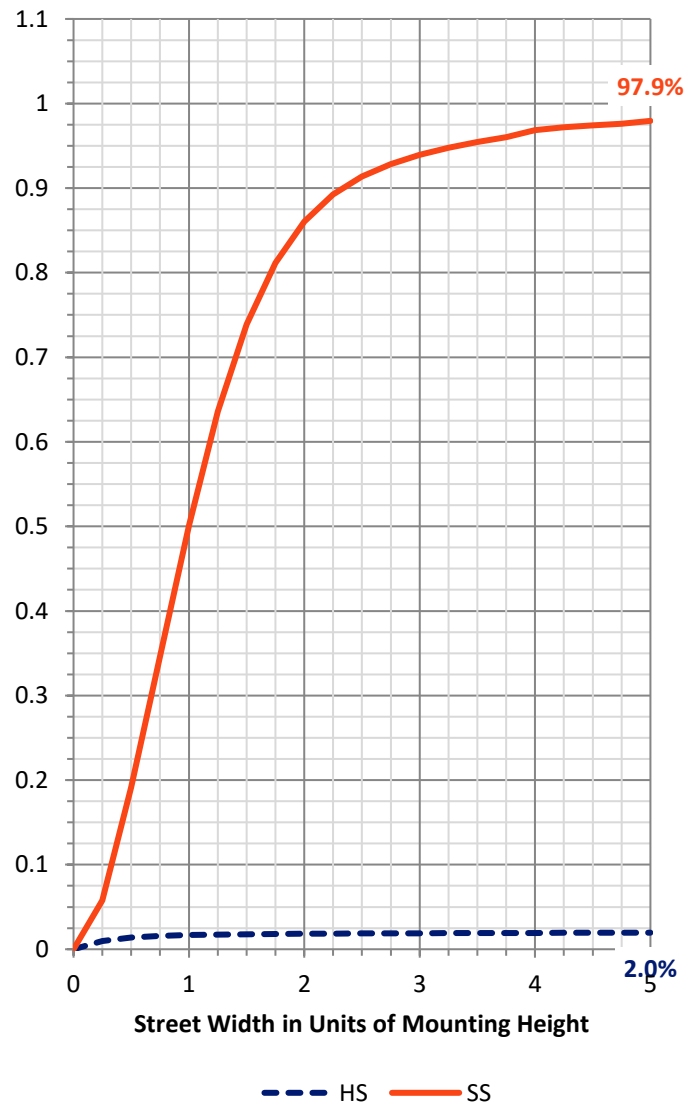
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	80.7	0.0	80.7
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	3939.9	0.0	3939.9
	% Fixture	98.0	0.0	98.0
Total	Lumens	4020.6	0.0	4020.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.3
10°-20°	65.4	1.6
20°-30°	149.4	3.7
30°-40°	284.1	7.1
40°-50°	570.3	14.2
50°-60°	1009.1	25.1
60°-70°	1318.4	32.8
70°-80°	542.1	13.5
80°-90°	68.3	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°	4020.6	100.0
0°-180°	4020.6	100.0

Coefficient of Utilization



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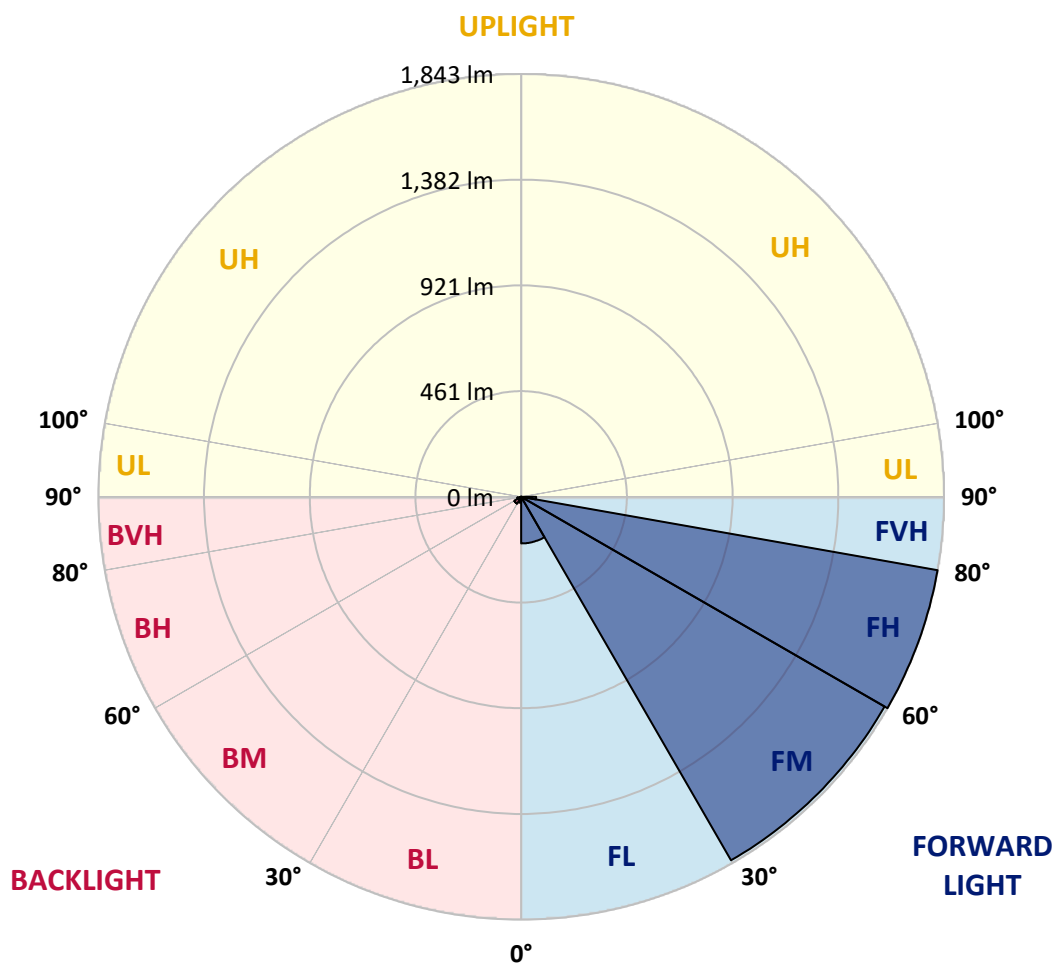
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.2	5.1			
FM	(30°-60°)	1828.9	45.5			
FH	(60°-80°)	1842.6	45.8			G2/5000
FVH	(80°-90°)	65.2	1.6			G1/100
BL	(0°-30°)	25.2	0.6	B0/110		
BM	(30°-60°)	34.6	0.9	B0/220		
BH	(60°-80°)	17.9	0.4	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	148.0	145.5	146.3	141.4	138.1	134.0	130.7	129.9	129.1	127.4	128.2
5°	212.9	210.4	204.7	194.8	185.8	171.8	157.8	157.0	154.5	152.1	150.4
7.5°	295.9	291.8	285.3	268.8	246.6	222.0	194.0	191.5	188.3	185.0	181.7
10°	392.1	389.7	377.3	358.4	324.7	284.4	237.6	235.1	227.7	223.6	220.3
12.5°	493.2	482.5	477.6	444.7	406.1	351.0	291.0	282.0	276.2	270.5	262.2
15°	569.7	571.3	559.8	533.5	488.3	424.2	349.4	339.5	331.3	320.6	310.7
17.5°	638.7	635.5	623.1	606.7	563.9	499.0	411.9	398.7	385.5	379.8	365.8
20°	694.6	693.0	683.1	667.5	634.6	572.2	477.6	466.9	452.1	442.3	426.6
22.5°	739.0	739.0	733.3	724.2	692.2	642.0	547.5	536.0	521.2	508.9	491.6
25°	774.4	773.6	774.4	770.3	748.9	702.9	619.0	605.9	593.5	578.7	562.3
27.5°	814.7	816.3	814.7	812.2	803.2	766.2	691.4	682.3	668.3	652.7	636.3
30°	877.1	872.2	871.4	869.7	859.1	836.0	766.2	755.5	744.8	734.1	722.6
32.5°	942.9	934.7	932.2	932.2	924.8	904.3	852.5	846.7	831.1	822.9	813.0
35°	1017.7	1014.4	1011.1	1012.0	1008.7	987.3	944.5	946.2	941.3	924.8	915.0
37.5°	1127.0	1127.9	1122.1	1111.4	1111.4	1092.5	1067.9	1064.6	1052.2	1048.1	1042.4
40°	1283.2	1279.1	1274.2	1258.6	1252.8	1220.8	1197.7	1189.5	1179.7	1178.8	1172.3
42.5°	1464.1	1459.2	1459.2	1447.6	1436.1	1397.5	1353.9	1348.2	1337.5	1340.8	1338.3
45°	1631.8	1635.9	1641.7	1649.9	1651.5	1635.1	1571.8	1564.4	1558.6	1555.3	1552.9
47.5°	1776.5	1783.9	1802.8	1838.1	1883.3	1889.1	1838.9	1819.2	1815.1	1809.4	1804.4
50°	1880.1	1890.7	1933.5	2002.5	2090.5	2144.8	2117.6	2101.2	2100.4	2084.7	2083.1
52.5°	1939.2	1950.7	2020.6	2125.0	2261.5	2367.5	2401.2	2400.4	2398.8	2384.8	2379.0
55°	1952.4	1964.7	2048.6	2190.8	2385.6	2568.9	2698.0	2701.3	2708.7	2704.6	2704.6
57.5°	1916.2	1931.8	2023.1	2199.0	2450.6	2728.4	3010.4	3029.3	3038.3	3070.4	3107.4
60°	1849.6	1861.1	1952.4	2148.9	2462.1	2873.9	3416.5	3476.5	3523.3	3586.6	3646.7
62.5°	1726.3	1749.3	1836.5	2050.2	2427.5	3041.6	3901.5	4012.5	4103.7	4199.9	4315.8
65°	1576.7	1586.6	1660.6	1847.2	2273.0	3105.7	4169.5	4278.0	4394.7	4497.5	4601.1
67.5°	1389.3	1397.5	1461.6	1541.4	1875.9	2805.7	3905.6	4025.6	4130.9	4215.5	4351.2
70°	910.0	928.1	1085.1	1164.0	1311.2	2074.1	3193.7	3309.6	3390.2	3447.7	3604.7
72.5°	666.7	678.2	741.5	904.3	940.4	1225.7	2247.5	2373.3	2402.9	2511.4	2584.6
75°	406.9	435.7	578.7	774.4	916.6	839.3	1346.5	1407.4	1475.6	1554.5	1624.4
77.5°	82.2	93.7	189.1	533.5	806.4	896.9	804.0	815.5	849.2	856.6	882.9
80°	13.2	14.0	24.7	230.2	466.9	725.1	804.0	793.3	774.4	761.2	748.1
82.5°	5.8	6.6	10.7	58.4	99.5	241.7	695.5	749.7	812.2	846.7	855.8
85°	2.5	2.5	4.1	11.5	14.8	16.4	117.6	155.4	277.0	368.3	424.2
87.5°	1.6	1.6	2.5	2.5	3.3	4.1	5.8	5.8	6.6	7.4	10.7
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	128.2	127.4	127.4	125.0	125.0	124.1	124.1	123.3	123.3	121.7	122.5
5°	149.6	148.0	146.3	143.9	143.0	141.4	139.8	137.3	136.5	134.8	134.0
7.5°	178.4	176.7	173.5	168.5	165.2	161.9	158.7	155.4	152.9	150.4	148.8
10°	213.7	208.8	207.2	197.3	193.2	186.6	182.5	179.2	174.3	170.2	167.7
12.5°	256.5	252.4	244.2	231.0	224.4	218.7	211.3	204.7	199.8	192.4	187.4
15°	300.9	297.6	286.1	271.3	263.1	252.4	245.0	238.4	227.7	222.8	213.7
17.5°	356.8	346.9	335.4	314.0	303.3	294.3	281.1	271.3	264.7	249.9	241.7
20°	414.3	403.6	388.8	365.0	350.2	336.2	325.5	312.4	298.4	288.5	274.6
22.5°	480.1	462.8	451.3	421.7	404.5	389.7	371.6	357.6	343.6	328.0	312.4
25°	550.0	532.7	518.7	485.0	466.9	452.1	430.8	411.0	393.8	376.5	358.4
27.5°	623.1	607.5	591.9	557.4	541.7	521.2	501.5	478.4	456.2	440.6	416.0
30°	707.8	694.6	677.4	640.4	623.1	601.7	581.2	554.1	532.7	511.3	487.5
32.5°	799.0	788.4	770.3	737.4	716.8	698.8	676.6	650.2	619.8	597.6	569.7
35°	910.0	891.9	881.2	850.0	834.4	814.7	791.6	768.6	736.6	705.3	681.5
37.5°	1036.6	1028.4	1014.4	984.8	973.3	952.8	938.0	915.0	890.3	850.8	825.3
40°	1166.5	1160.7	1148.4	1118.8	1107.3	1093.3	1076.1	1053.9	1024.3	1003.7	965.9
42.5°	1331.7	1322.7	1312.8	1284.9	1262.7	1245.4	1238.0	1219.1	1187.9	1161.6	1132.0
45°	1541.4	1537.3	1524.1	1496.1	1474.0	1462.4	1450.9	1418.9	1398.3	1372.0	1351.5
47.5°	1794.6	1781.4	1774.8	1743.6	1736.2	1727.1	1697.6	1679.5	1649.9	1629.3	1603.8
50°	2068.3	2054.3	2055.2	2017.3	2019.0	2012.4	1990.2	1968.8	1943.3	1925.3	1909.6
52.5°	2362.6	2369.2	2352.7	2364.2	2351.1	2336.3	2332.2	2305.9	2283.7	2282.9	2261.5
55°	2724.3	2713.6	2717.7	2729.2	2711.2	2727.6	2719.4	2685.7	2686.5	2693.1	2668.4
57.5°	3113.1	3128.8	3162.5	3169.9	3201.1	3179.7	3235.6	3195.3	3220.0	3220.0	3203.6
60°	3683.7	3746.1	3827.5	3890.8	3949.2	3930.3	4003.4	3957.4	3990.3	3962.3	3948.4
62.5°	4370.9	4453.9	4550.1	4652.9	4712.0	4726.8	4716.2	4736.7	4704.6	4684.1	4630.7
65°	4701.4	4783.6	4867.4	4990.7	5007.2	5019.5	5014.6	4980.0	4940.6	4882.2	4812.3
67.5°	4426.8	4541.9	4588.7	4731.0	4778.6	4761.4	4767.1	4722.7	4661.1	4603.5	4500.8
70°	3670.5	3802.0	3826.7	4030.6	4087.3	4169.5	4139.9	4126.7	4059.3	4010.8	3897.4
72.5°	2672.5	2775.3	2767.1	2996.4	2986.5	3020.2	3100.0	3096.7	3026.0	3010.4	2915.0
75°	1644.9	1706.6	1703.3	1866.1	1797.8	1788.0	1810.2	1800.3	1733.7	1664.7	1605.5
77.5°	871.4	899.3	869.7	821.2	816.3	761.2	745.6	744.8	693.8	631.3	585.3
80°	734.1	705.3	670.8	600.1	559.0	522.0	487.5	455.4	420.9	374.9	319.0
82.5°	857.4	843.4	818.8	730.0	687.2	613.3	558.2	506.4	443.1	395.4	323.9
85°	417.6	416.8	436.5	427.5	411.9	408.6	354.3	342.8	317.3	291.0	243.3
87.5°	11.5	8.2	9.9	8.2	9.9	10.7	7.4	17.3	10.7	9.9	11.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	121.7	120.8	120.0	120.0	119.2	119.2	118.4	117.6	117.6	116.7	116.7
5°	132.4	130.7	129.9	129.1	127.4	126.6	125.0	124.1	122.5	121.7	120.0
7.5°	145.5	143.9	140.6	138.9	136.5	135.6	131.5	129.9	128.2	126.6	124.1
10°	161.9	157.8	154.5	151.3	147.1	143.9	140.6	138.1	134.8	130.7	129.1
12.5°	182.5	176.7	171.8	166.1	161.1	156.2	150.4	146.3	141.4	137.3	133.2
15°	205.5	197.3	190.7	182.5	174.3	168.5	162.8	157.0	150.4	144.7	139.8
17.5°	231.8	221.1	212.1	202.2	193.2	185.0	175.1	167.7	160.3	152.1	145.5
20°	259.8	249.1	236.8	226.1	212.9	203.9	191.5	181.7	171.0	162.8	153.7
22.5°	296.8	282.8	267.2	252.4	238.4	224.4	211.3	198.9	185.8	173.5	164.4
25°	340.3	323.1	303.3	288.5	268.8	253.2	236.8	221.1	207.2	191.5	176.7
27.5°	394.6	371.6	350.2	329.6	308.3	288.5	267.2	249.1	230.2	212.1	195.7
30°	457.9	435.7	403.6	380.6	359.2	332.1	310.7	286.9	265.5	239.2	221.1
32.5°	541.7	513.0	479.3	448.8	420.9	390.5	360.9	330.5	302.5	278.7	251.6
35°	651.1	617.4	577.1	538.4	507.2	470.2	432.4	397.9	365.8	331.3	297.6
37.5°	789.2	757.9	714.4	667.5	625.6	581.2	541.7	493.2	450.5	408.6	365.8
40°	926.5	897.7	852.5	802.3	748.1	697.1	647.0	591.9	537.6	485.0	440.6
42.5°	1095.8	1053.1	1004.6	947.8	895.2	834.4	771.9	708.6	643.7	580.4	517.1
45°	1308.7	1275.8	1207.6	1146.8	1084.3	1012.8	935.5	863.2	780.1	705.3	621.5
47.5°	1567.7	1508.5	1458.3	1402.4	1324.3	1255.3	1156.6	1071.1	967.6	868.1	767.8
50°	1873.5	1840.6	1774.0	1704.1	1619.5	1537.3	1441.1	1317.8	1193.6	1087.6	950.3
52.5°	2231.1	2184.2	2142.3	2069.9	1983.6	1878.4	1769.1	1635.1	1483.0	1333.4	1187.1
55°	2655.3	2622.4	2582.1	2524.5	2414.4	2295.2	2163.7	2003.4	1823.3	1621.9	1451.8
57.5°	3202.7	3168.2	3129.6	3011.2	2936.4	2790.1	2599.4	2433.3	2239.3	1981.2	1769.9
60°	3950.0	3903.1	3848.9	3752.7	3596.5	3406.6	3201.9	2956.1	2718.6	2436.6	2159.6
62.5°	4588.7	4513.9	4398.0	4273.9	4086.5	3868.6	3611.3	3321.9	3051.5	2734.2	2425.9
65°	4720.3	4617.5	4481.0	4319.1	4125.9	3880.1	3611.3	3334.3	3016.1	2717.7	2407.8
67.5°	4378.3	4259.1	4119.3	3938.5	3754.3	3501.2	3269.3	2987.4	2688.1	2430.0	2153.0
70°	3816.0	3639.3	3496.2	3303.9	3117.3	2918.3	2674.2	2462.9	2219.6	1982.0	1769.9
72.5°	2865.7	2691.4	2561.5	2407.8	2296.8	2086.4	1907.2	1749.3	1605.5	1427.9	1270.9
75°	1544.7	1413.9	1326.8	1256.9	1157.5	1018.5	933.0	824.5	763.7	689.7	618.2
77.5°	503.9	443.9	379.0	315.7	271.3	203.9	197.3	157.0	148.0	143.9	111.0
80°	258.1	198.9	143.9	103.6	78.9	69.9	66.6	63.3	60.0	57.5	53.4
82.5°	258.9	187.4	129.1	89.6	64.9	54.3	51.0	49.3	46.9	44.4	41.1
85°	189.1	139.8	96.2	65.8	45.2	36.2	34.5	32.1	30.4	29.6	26.3
87.5°	12.3	9.0	8.2	7.4	7.4	7.4	8.2	7.4	8.2	8.2	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	115.9	115.1	115.1	114.3	113.4	113.4	112.6	112.6	110.2	106.0	102.8
5°	119.2	117.6	116.7	115.9	115.1	113.4	112.6	111.8	107.7	99.5	92.9
7.5°	121.7	120.0	119.2	117.6	115.1	114.3	112.6	111.0	104.4	92.9	85.5
10°	125.8	123.3	120.8	118.4	115.9	114.3	111.8	110.2	100.3	87.1	79.7
12.5°	129.9	126.6	123.3	119.2	116.7	114.3	111.8	108.5	97.0	82.2	74.0
15°	134.8	129.9	125.8	121.7	117.6	114.3	110.2	107.7	93.7	78.1	70.7
17.5°	139.8	134.0	128.2	122.5	118.4	113.4	110.2	106.0	90.4	74.8	66.6
20°	145.5	137.3	131.5	125.0	119.2	113.4	108.5	104.4	87.1	70.7	62.5
22.5°	153.7	143.9	134.8	127.4	120.0	114.3	108.5	102.8	83.9	67.4	59.2
25°	164.4	152.1	141.4	132.4	123.3	115.9	109.3	103.6	81.4	64.9	55.1
27.5°	180.0	164.4	152.9	140.6	129.1	120.0	111.8	105.2	79.7	62.5	52.6
30°	198.9	183.3	165.2	150.4	138.1	125.8	116.7	106.9	78.1	60.0	49.3
32.5°	226.9	204.7	183.3	165.2	148.0	134.0	120.8	111.0	77.3	55.9	46.0
35°	267.2	236.8	211.3	187.4	163.6	146.3	130.7	117.6	76.5	52.6	42.7
37.5°	324.7	288.5	255.7	222.0	192.4	167.7	146.3	129.1	76.5	50.1	39.5
40°	386.4	339.5	297.6	255.7	217.8	186.6	157.8	136.5	74.8	46.9	36.2
42.5°	456.2	398.7	341.2	289.4	242.5	202.2	168.5	142.2	70.7	43.6	32.9
45°	550.0	474.3	405.3	338.7	277.9	225.2	182.5	148.8	66.6	41.1	29.6
47.5°	667.5	579.6	489.9	406.1	326.4	259.8	203.0	159.5	64.1	37.8	27.1
50°	842.6	717.7	599.3	492.4	391.3	304.2	233.5	175.1	61.7	35.3	24.7
52.5°	1035.0	881.2	742.3	605.0	479.3	364.2	268.8	195.7	59.2	32.9	22.2
55°	1269.3	1080.2	910.8	732.5	571.3	434.0	312.4	218.7	55.9	30.4	20.6
57.5°	1558.6	1319.4	1118.8	901.0	698.8	524.5	370.7	257.3	52.6	27.1	18.1
60°	1881.7	1611.2	1358.9	1103.2	858.2	644.5	457.1	312.4	49.3	23.8	15.6
62.5°	2114.3	1817.6	1529.0	1242.1	973.3	734.1	526.9	355.1	44.4	20.6	14.0
65°	2111.9	1811.0	1520.8	1238.0	976.6	737.4	529.4	363.4	39.5	18.1	12.3
67.5°	1881.7	1628.5	1369.6	1115.5	887.0	670.8	489.9	337.0	33.7	16.4	10.7
70°	1547.9	1346.5	1141.8	940.4	757.1	574.6	423.4	293.5	28.8	14.8	9.0
72.5°	1130.3	983.2	858.2	716.0	591.1	453.8	337.9	230.2	23.0	12.3	8.2
75°	561.5	502.3	430.8	386.4	329.6	269.6	209.6	134.0	18.9	9.9	7.4
77.5°	106.9	95.4	91.2	78.9	72.3	64.1	56.7	40.3	14.8	7.4	6.6
80°	49.3	45.2	41.1	37.0	32.9	28.0	24.7	21.4	11.5	5.8	7.4
82.5°	38.6	35.3	31.2	28.0	24.7	21.4	18.1	15.6	7.4	4.9	7.4
85°	25.5	22.2	19.7	17.3	14.8	13.2	11.5	9.9	4.9	4.9	4.9
87.5°	7.4	7.4	6.6	6.6	5.8	5.8	4.9	4.9	4.1	4.1	4.1
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°	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2.5°	99.5	95.4	93.7	92.9	92.9	93.7	92.9
5°	88.0	83.9	82.2	80.6	80.6	80.6	81.4
7.5°	80.6	76.5	74.0	73.2	72.3	73.2	73.2
10°	74.0	70.7	67.4	65.8	65.8	65.8	65.8
12.5°	69.1	64.9	61.7	60.8	60.0	60.0	60.0
15°	64.9	60.0	57.5	55.9	55.1	55.1	55.9
17.5°	60.0	55.9	52.6	51.8	51.8	51.8	51.8
20°	56.7	51.8	49.3	47.7	47.7	47.7	47.7
22.5°	52.6	48.5	45.2	43.6	43.6	43.6	43.6
25°	49.3	45.2	41.9	40.3	40.3	40.3	40.3
27.5°	46.0	41.9	38.6	37.0	37.0	37.0	37.0
30°	42.7	38.6	35.3	33.7	33.7	33.7	33.7
32.5°	40.3	35.3	32.1	30.4	30.4	31.2	30.4
35°	36.2	32.1	28.8	27.1	27.1	27.1	27.1
37.5°	32.9	28.8	25.5	23.8	23.8	23.8	23.0
40°	30.4	25.5	22.2	20.6	19.7	19.7	19.7
42.5°	26.3	21.4	18.9	17.3	16.4	16.4	16.4
45°	23.8	18.9	15.6	14.0	14.0	14.0	14.0
47.5°	21.4	16.4	13.2	11.5	11.5	12.3	12.3
50°	18.9	14.0	10.7	10.7	10.7	11.5	11.5
52.5°	16.4	12.3	9.9	9.9	10.7	11.5	11.5
55°	14.8	10.7	9.0	9.9	10.7	11.5	11.5
57.5°	13.2	9.0	9.0	9.9	10.7	11.5	11.5
60°	11.5	8.2	8.2	9.0	10.7	11.5	11.5
62.5°	9.9	8.2	8.2	9.0	10.7	11.5	11.5
65°	9.0	8.2	8.2	9.0	10.7	11.5	11.5
67.5°	8.2	7.4	8.2	9.0	9.9	10.7	10.7
70°	7.4	7.4	8.2	9.0	9.9	10.7	10.7
72.5°	7.4	7.4	7.4	8.2	9.0	9.9	9.9
75°	7.4	7.4	7.4	8.2	9.0	9.9	9.9
77.5°	7.4	6.6	6.6	7.4	9.0	9.9	9.9
80°	7.4	6.6	6.6	7.4	8.2	9.9	9.9
82.5°	5.8	5.8	6.6	7.4	8.2	9.0	9.0
85°	4.9	5.8	5.8	6.6	7.4	9.0	9.0
87.5°	4.1	4.1	4.9	5.8	6.6	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)