

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: P181231

Luminaire Tested: **ICS-F04-LED-E1-T2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181231
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-F04-LED-E1-T2-HSS
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4759.2 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

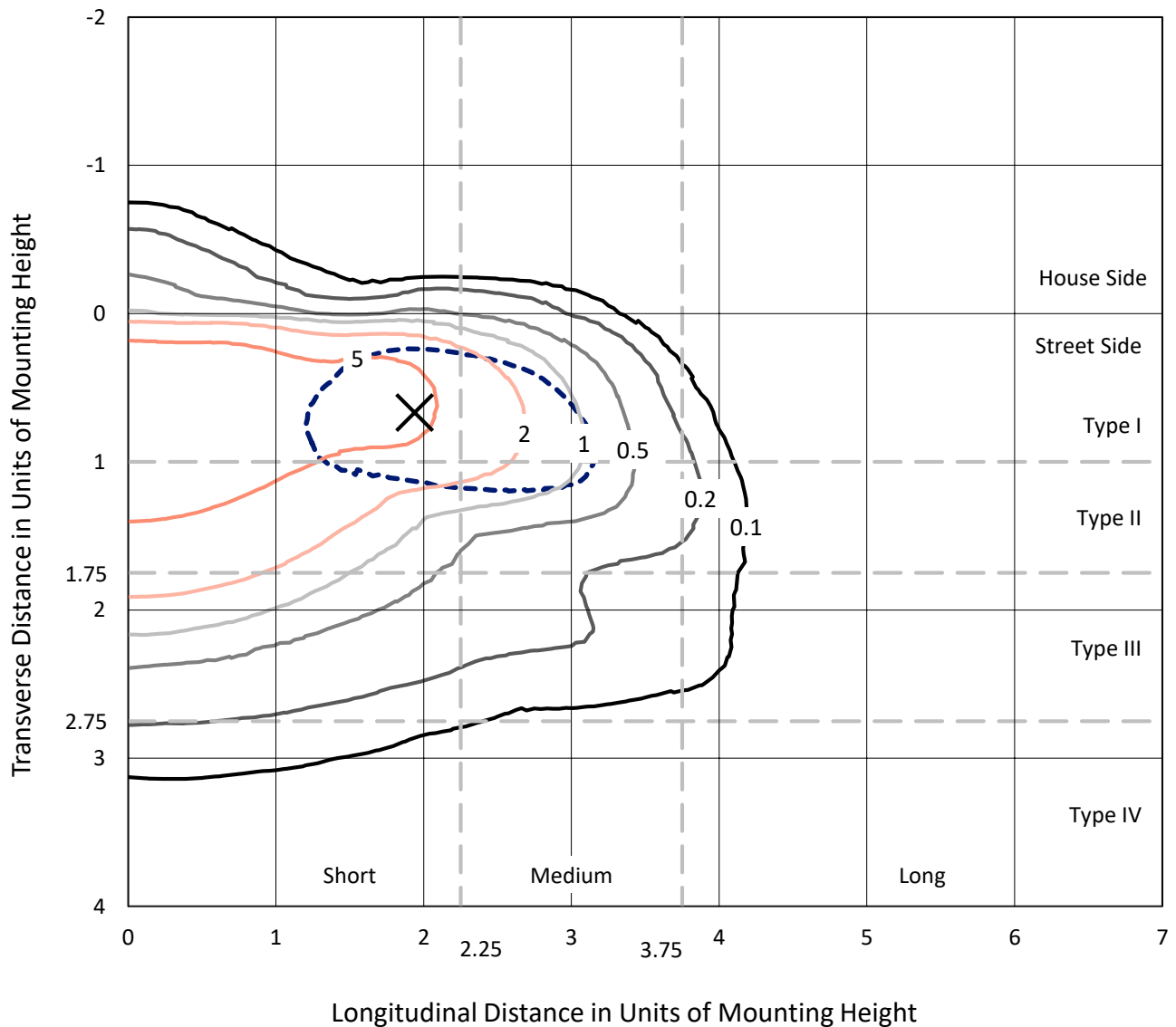
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

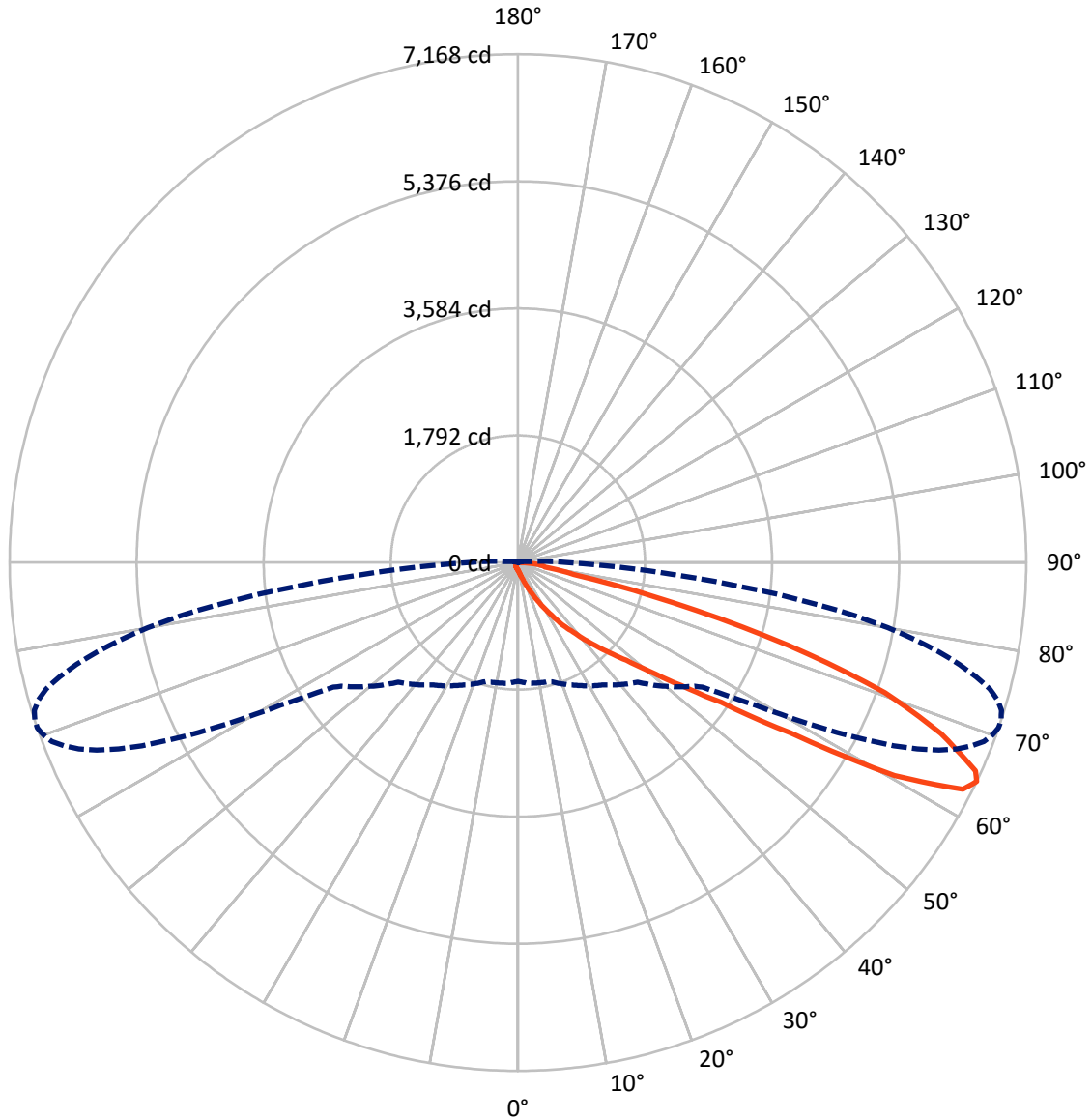


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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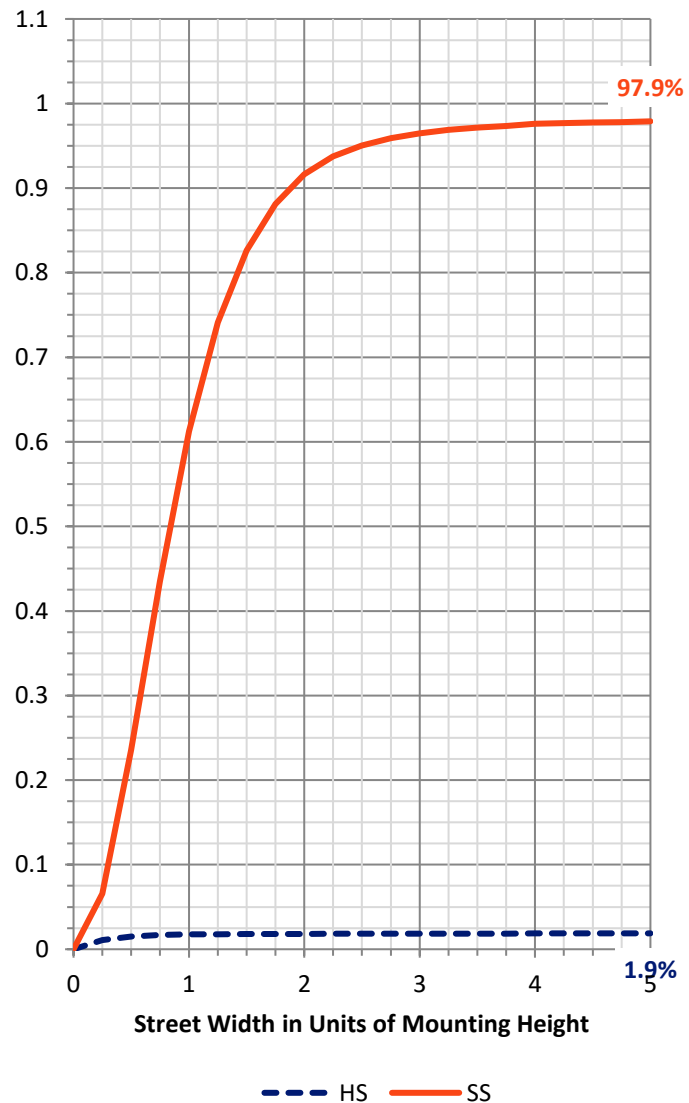
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.2	0.0	91.2
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4668.0	0.0	4668.0
	% Fixture	98.1	0.0	98.1
Total	Lumens	4759.2	0.0	4759.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.3
10°-20°	86.0	1.8
20°-30°	219.8	4.6
30°-40°	444.6	9.3
40°-50°	812.6	17.1
50°-60°	1266.0	26.6
60°-70°	1407.2	29.6
70°-80°	458.9	9.6
80°-90°	49.4	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°	4759.2	100.0
0°-180°	4759.2	100.0



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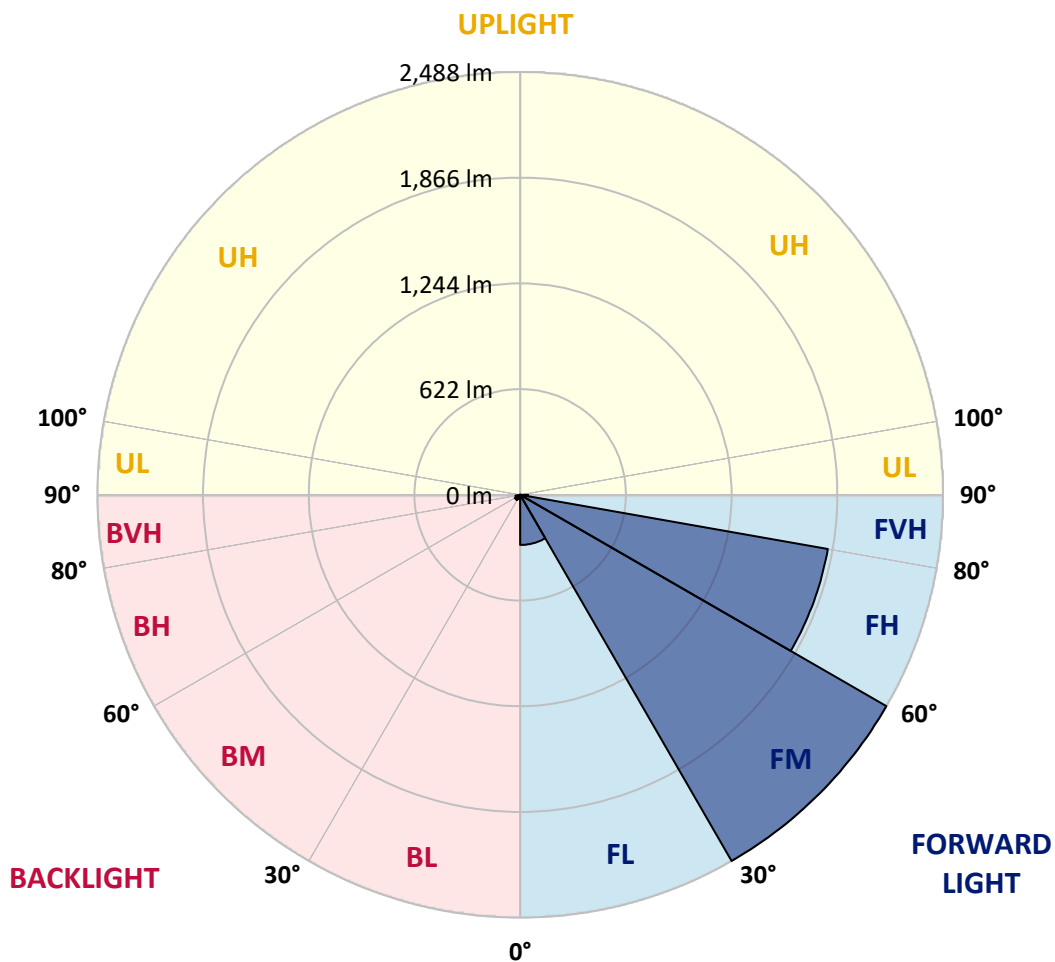
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.0	6.2			
FM (30°-60°)	2488.0	52.3			
FH (60°-80°)	1838.0	38.6			G2/5000
FVH (80°-90°)	47.0	1.0			G1/100
BL (0°-30°)	25.4	0.5	B0/110		
BM (30°-60°)	35.2	0.7	B0/220		
BH (60°-80°)	28.2	0.6	B0/110		G0/110
BVH (80°-90°)	2.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	142.7	140.7	140.7	137.7	133.7	129.8	125.8	124.8	123.8	122.8	122.8
5°	223.9	216.0	213.0	202.1	188.2	171.4	156.5	152.6	152.6	149.6	147.6
7.5°	351.7	347.7	326.9	316.0	283.3	242.7	200.1	196.2	195.2	191.2	185.3
10°	515.2	507.2	492.4	460.7	401.2	330.9	270.5	260.5	253.6	245.7	237.8
12.5°	678.6	668.7	646.9	595.4	536.0	445.8	348.7	339.8	328.9	318.0	305.1
15°	842.1	835.1	801.5	749.9	672.7	564.7	441.8	426.0	417.1	395.3	385.4
17.5°	983.7	974.8	948.1	889.6	809.4	690.5	544.9	525.1	510.2	497.3	473.5
20°	1106.6	1097.7	1071.9	1023.4	933.2	816.3	655.8	645.9	619.2	599.4	585.5
22.5°	1181.9	1178.9	1162.1	1115.5	1035.3	931.2	782.6	766.8	749.0	722.2	706.4
25°	1228.4	1225.5	1215.6	1182.9	1128.4	1052.1	922.3	902.5	886.7	862.9	843.1
27.5°	1277.0	1275.0	1267.1	1238.4	1209.6	1162.1	1064.0	1053.1	1018.4	1004.6	985.7
30°	1357.2	1348.3	1355.3	1341.4	1304.7	1275.0	1206.7	1190.8	1175.9	1152.2	1135.3
32.5°	1485.0	1470.2	1485.0	1470.2	1454.3	1418.7	1353.3	1348.3	1333.5	1318.6	1294.8
35°	1641.6	1635.6	1647.5	1660.4	1647.5	1600.0	1520.7	1505.8	1499.9	1476.1	1467.2
37.5°	1799.1	1810.0	1831.8	1860.5	1852.6	1817.9	1706.0	1692.1	1681.2	1660.4	1644.5
40°	1968.5	1969.5	2016.0	2057.7	2078.5	2057.7	1910.0	1899.1	1884.3	1854.6	1850.6
42.5°	2152.8	2144.8	2179.5	2226.1	2268.7	2297.4	2179.5	2158.7	2137.9	2104.2	2081.4
45°	2316.2	2316.2	2344.0	2387.5	2452.9	2525.3	2463.8	2442.0	2422.2	2394.5	2368.7
47.5°	2437.1	2438.1	2454.9	2518.3	2620.4	2728.3	2730.3	2734.3	2719.4	2686.7	2687.7
50°	2522.3	2511.4	2534.2	2595.6	2713.5	2882.9	3004.7	3011.7	3023.6	2996.8	3004.7
52.5°	2584.7	2579.7	2594.6	2646.1	2764.0	2971.1	3229.6	3259.3	3277.2	3281.1	3313.8
55°	2552.0	2555.0	2590.6	2664.9	2791.7	3029.5	3420.8	3469.4	3511.0	3546.6	3587.3
57.5°	2444.0	2452.9	2515.3	2631.3	2797.7	3077.1	3623.9	3698.2	3776.5	3871.6	3951.8
60°	2271.6	2292.4	2376.7	2539.1	2740.2	3014.7	3684.4	3798.3	3918.2	4062.8	4224.3
62.5°	2019.0	2023.0	2078.5	2236.0	2457.9	2682.8	3407.0	3552.6	3711.1	3920.1	4146.0
64°	1673.3	1708.9	1734.7	1908.1	2106.2	2386.6	3040.4	3141.5	3362.4	3619.0	3903.3
65°	1381.0	1423.6	1444.4	1617.8	1844.7	2112.1	2721.4	2829.4	3062.2	3322.8	3677.4
67.5°	814.3	785.6	846.0	948.1	1138.3	1455.3	1835.7	1918.0	2091.3	2401.4	2684.8
70°	525.1	525.1	580.5	684.6	860.9	1103.6	1261.1	1226.5	1263.1	1383.0	1583.1
72.5°	336.8	354.7	388.3	476.5	640.0	925.3	1288.9	1125.4	1040.2	1000.6	998.6
75°	153.6	163.5	200.1	252.6	341.8	603.3	1299.8	1228.4	1150.2	1074.9	1016.4
77.5°	32.7	37.6	63.4	130.8	166.4	278.4	922.3	1029.3	1114.5	1139.3	1139.3
80°	16.8	17.8	26.7	61.4	71.3	94.1	355.7	467.6	576.6	720.2	870.8
82.5°	6.9	7.9	15.9	27.7	29.7	28.7	94.1	118.9	163.5	237.8	354.7
85°	2.0	2.0	6.9	10.9	15.9	12.9	20.8	23.8	30.7	44.6	85.2
87.5°	0.0	0.0	1.0	2.0	3.0	5.0	5.9	5.9	5.9	5.9	5.9
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°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	121.9	121.9	120.9	119.9	119.9	117.9	117.9	116.9	116.9	115.9	115.9
5°	146.6	144.6	142.7	139.7	138.7	136.7	134.7	132.8	130.8	129.8	127.8
7.5°	182.3	180.3	174.4	170.4	165.4	162.5	158.5	155.5	152.6	150.6	146.6
10°	229.8	222.9	219.9	206.1	203.1	196.2	190.2	186.2	178.3	173.4	168.4
12.5°	297.2	284.3	279.4	255.6	248.7	238.8	231.8	221.9	213.0	207.1	198.1
15°	373.5	363.6	344.8	321.0	308.1	297.2	280.4	272.4	260.5	247.7	234.8
17.5°	464.6	446.8	426.0	395.3	379.4	362.6	346.7	329.9	310.1	298.2	284.3
20°	570.6	551.8	526.1	487.4	468.6	451.8	424.0	412.1	388.3	364.6	346.7
22.5°	686.5	667.7	643.0	599.4	574.6	546.9	524.1	503.3	475.5	451.8	430.9
25°	817.3	795.5	776.7	726.2	695.5	666.7	642.0	605.3	581.5	553.8	525.1
27.5°	965.9	940.2	915.4	859.9	831.2	799.5	769.8	731.1	708.3	662.8	636.0
30°	1118.5	1086.8	1061.0	1004.6	978.8	946.1	905.5	870.8	832.2	801.5	757.9
32.5°	1279.0	1253.2	1232.4	1173.0	1140.3	1099.7	1063.0	1026.3	992.7	943.1	903.5
35°	1450.4	1427.6	1404.8	1353.3	1324.5	1293.8	1252.2	1207.6	1161.1	1109.6	1073.9
37.5°	1630.7	1612.8	1595.0	1532.6	1498.9	1466.2	1418.7	1374.1	1332.5	1278.0	1217.6
40°	1819.9	1803.0	1774.3	1722.8	1687.1	1657.4	1613.8	1572.2	1515.7	1455.3	1401.8
42.5°	2057.7	2021.0	1996.2	1939.8	1902.1	1869.4	1830.8	1768.4	1720.8	1648.5	1597.0
45°	2336.0	2301.4	2260.7	2203.3	2156.7	2103.2	2048.7	2006.1	1946.7	1881.3	1814.9
47.5°	2649.1	2621.3	2573.8	2517.3	2470.8	2417.3	2352.9	2298.4	2226.1	2149.8	2059.6
50°	2993.8	2965.1	2933.4	2870.0	2823.4	2772.9	2722.4	2658.0	2592.6	2501.5	2408.4
52.5°	3313.8	3319.8	3301.0	3271.2	3248.5	3195.9	3149.4	3088.0	3030.5	2947.3	2875.0
55°	3629.9	3681.4	3701.2	3729.9	3739.8	3697.2	3696.2	3606.1	3571.4	3522.9	3481.3
57.5°	4046.9	4160.9	4251.0	4425.4	4498.7	4573.0	4586.9	4523.5	4588.8	4504.6	4533.4
60°	4401.6	4610.6	4834.5	5285.3	5511.2	5681.6	5818.3	5919.3	5984.7	6095.7	6101.6
62.5°	4433.3	4762.2	5103.0	5760.8	6069.9	6328.5	6575.2	6747.5	6884.3	7010.1	7040.8
64°	4281.7	4688.9	5103.0	5898.5	6214.6	6501.9	6726.7	6898.1	7037.8	7116.1	7167.6
65°	4006.3	4462.0	4938.6	5807.4	6133.3	6438.5	6653.4	6825.8	6957.6	7035.8	7089.3
67.5°	2968.1	3408.9	3887.4	4898.9	5412.1	5691.5	5966.9	6208.6	6314.6	6413.7	6432.5
70°	1809.0	2129.0	2458.9	3397.1	3873.6	4375.9	4685.9	5039.6	5287.3	5439.8	5490.4
72.5°	1091.7	1202.7	1399.8	1904.1	2360.8	2713.5	3142.4	3480.3	3757.7	3911.2	3988.5
75°	971.9	958.0	983.7	1193.8	1356.2	1568.3	1723.8	1935.8	2107.2	2160.7	2260.7
77.5°	1123.4	1083.8	1043.2	1003.6	995.6	975.8	944.1	952.0	876.8	804.4	806.4
80°	1000.6	1095.7	1152.2	1110.6	1016.4	921.3	804.4	658.8	515.2	426.0	388.3
82.5°	502.3	714.3	918.4	1120.5	1106.6	1022.4	893.6	734.1	568.7	436.9	348.7
85°	154.5	274.4	386.4	537.0	623.1	611.3	537.0	522.1	372.5	290.3	223.9
87.5°	6.9	6.9	6.9	5.9	6.9	6.9	6.9	7.9	7.9	8.9	8.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	115.9	114.9	113.9	112.9	112.9	112.9	111.9	111.9	111.0	111.0	110.0
5°	127.8	125.8	124.8	122.8	122.8	120.9	119.9	118.9	116.9	115.9	114.9
7.5°	143.6	141.7	138.7	135.7	134.7	131.8	128.8	126.8	124.8	122.8	120.9
10°	164.5	160.5	154.5	150.6	147.6	143.6	139.7	136.7	132.8	128.8	126.8
12.5°	191.2	183.3	177.3	170.4	164.5	158.5	151.6	147.6	143.6	137.7	133.7
15°	221.9	214.0	207.1	195.2	185.3	177.3	171.4	162.5	155.5	147.6	141.7
17.5°	274.4	253.6	239.7	227.9	218.0	203.1	191.2	181.3	172.4	162.5	155.5
20°	325.9	308.1	289.3	275.4	253.6	240.7	224.9	211.0	195.2	183.3	171.4
22.5°	401.2	378.4	354.7	333.9	304.1	286.3	265.5	247.7	227.9	208.0	195.2
25°	496.3	462.6	430.9	401.2	373.5	346.7	320.0	291.3	270.5	246.7	224.9
27.5°	596.4	558.7	528.0	489.4	453.7	421.0	387.4	356.6	321.0	290.3	264.5
30°	722.2	670.7	635.0	588.5	552.8	507.2	465.6	425.0	381.4	345.7	309.1
32.5°	850.0	815.3	754.9	715.3	661.8	607.3	563.7	517.1	463.6	417.1	372.5
35°	1018.4	959.0	908.5	853.0	794.5	738.1	681.6	615.2	560.7	503.3	448.8
37.5°	1167.0	1106.6	1048.1	975.8	909.4	850.0	781.6	712.3	647.9	579.6	514.2
40°	1339.4	1264.1	1194.8	1127.4	1045.2	974.8	903.5	817.3	743.0	667.7	590.4
42.5°	1527.6	1451.4	1369.1	1291.9	1201.7	1115.5	1027.3	941.1	857.9	766.8	676.6
45°	1733.7	1653.5	1561.3	1473.1	1375.1	1280.0	1175.0	1075.9	977.8	875.8	771.7
47.5°	1989.3	1886.3	1801.1	1691.1	1569.2	1469.2	1340.4	1227.5	1115.5	996.6	879.7
50°	2320.2	2203.3	2080.4	1958.6	1823.8	1697.0	1554.4	1420.6	1271.0	1138.3	1004.6
52.5°	2759.1	2671.9	2529.2	2389.5	2225.1	2063.6	1867.4	1694.1	1501.9	1332.5	1169.0
55°	3382.2	3324.7	3200.9	3048.3	2904.7	2668.9	2443.0	2173.6	1923.9	1680.2	1450.4
57.5°	4510.6	4448.2	4310.5	4273.8	4052.9	3879.5	3615.0	3266.3	2843.3	2470.8	2099.3
60°	6135.3	6013.5	5878.7	5854.0	5594.4	5412.1	5149.6	4778.1	4379.8	3785.4	3279.2
62.5°	7042.8	7006.1	6897.1	6763.4	6538.5	6268.1	5972.8	5613.2	5209.0	4687.9	4085.6
64°	7164.6	7130.9	7036.8	6886.2	6660.4	6391.9	6065.0	5706.3	5301.1	4825.6	4275.8
65°	7088.3	7040.8	6960.5	6821.8	6611.8	6354.2	6025.3	5661.8	5250.6	4792.9	4281.7
67.5°	6473.1	6451.3	6378.0	6249.2	6117.5	5885.7	5596.4	5271.4	4935.6	4481.9	4062.8
70°	5496.3	5480.5	5387.3	5335.8	5117.9	4971.3	4737.4	4481.9	4184.6	3868.6	3512.0
72.5°	4074.7	4021.2	3945.9	3867.6	3720.0	3518.9	3336.6	3064.2	2910.6	2644.1	2443.0
75°	2160.7	2127.0	2010.1	1846.6	1664.3	1570.2	1381.0	1211.6	1076.9	1016.4	870.8
77.5°	747.0	680.6	615.2	541.9	430.0	338.8	270.5	216.0	170.4	150.6	125.8
80°	372.5	353.7	332.9	291.3	244.7	197.1	154.5	121.9	100.1	85.2	76.3
82.5°	302.2	267.5	238.8	209.0	167.4	137.7	109.0	89.2	73.3	64.4	56.5
85°	178.3	136.7	104.0	94.1	73.3	63.4	54.5	46.6	39.6	37.6	34.7
87.5°	6.9	8.9	8.9	6.9	8.9	7.9	7.9	6.9	6.9	6.9	6.9
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°	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	110.0	109.0	109.0	108.0	107.0	107.0	107.0	106.0	104.0	100.1	97.1
5°	113.9	112.9	111.9	110.0	109.0	108.0	107.0	107.0	102.0	95.1	90.2
7.5°	118.9	116.9	114.9	112.9	111.9	110.0	108.0	107.0	100.1	91.1	86.2
10°	123.8	120.9	117.9	116.9	113.9	111.9	109.0	107.0	99.1	88.2	81.2
12.5°	129.8	125.8	121.9	118.9	114.9	112.9	110.0	107.0	97.1	85.2	77.3
15°	136.7	130.8	125.8	122.8	118.9	113.9	110.0	107.0	95.1	82.2	73.3
17.5°	145.6	138.7	132.8	126.8	120.9	115.9	111.9	108.0	92.1	78.3	68.4
20°	159.5	150.6	140.7	133.7	125.8	119.9	112.9	108.0	90.2	74.3	64.4
22.5°	178.3	164.5	153.6	141.7	131.8	123.8	115.9	110.0	87.2	70.3	59.4
25°	205.1	187.2	169.4	154.5	141.7	130.8	120.9	112.9	85.2	67.4	56.5
27.5°	234.8	214.0	190.2	172.4	154.5	138.7	127.8	117.9	85.2	65.4	53.5
30°	276.4	246.7	218.0	195.2	171.4	153.6	137.7	124.8	85.2	64.4	50.5
32.5°	326.9	293.2	256.6	223.9	196.2	170.4	150.6	133.7	87.2	62.4	48.5
35°	397.3	347.7	304.1	263.5	226.9	197.1	171.4	148.6	90.2	61.4	45.6
37.5°	452.7	393.3	337.8	291.3	248.7	212.0	179.3	154.5	87.2	57.5	42.6
40°	519.1	451.8	384.4	325.9	277.4	229.8	192.2	162.5	85.2	52.5	38.6
42.5°	599.4	515.2	436.9	370.5	310.1	253.6	209.0	172.4	85.2	49.5	35.7
45°	674.7	582.5	495.3	412.1	341.8	279.4	224.9	183.3	84.2	46.6	31.7
47.5°	767.8	658.8	556.8	460.7	379.4	303.1	241.7	193.2	83.2	43.6	28.7
50°	877.7	745.0	630.1	515.2	416.1	331.9	261.5	204.1	81.2	40.6	25.8
52.5°	999.6	856.9	710.3	577.6	461.7	362.6	280.4	214.0	78.3	37.6	22.8
55°	1215.6	1019.4	846.0	681.6	531.0	408.2	308.1	228.8	75.3	34.7	19.8
57.5°	1733.7	1408.8	1163.1	915.4	699.4	524.1	383.4	271.4	71.3	30.7	15.9
60°	2722.4	2186.4	1769.4	1387.9	1058.1	804.4	564.7	401.2	76.3	25.8	13.9
62.5°	3492.2	2876.0	2344.9	1866.4	1449.4	1101.6	822.3	599.4	110.0	22.8	10.9
64°	3693.3	3069.1	2502.5	2001.2	1567.3	1208.6	917.4	677.6	141.7	22.8	9.9
65°	3723.0	3128.6	2558.9	2050.7	1607.9	1237.4	945.1	703.4	154.5	23.8	8.9
67.5°	3600.1	3093.9	2575.8	2071.5	1638.6	1277.0	982.8	744.0	174.4	22.8	6.9
70°	3144.4	2771.9	2345.9	1937.8	1545.5	1213.6	945.1	721.2	182.3	21.8	5.9
72.5°	2139.9	1883.3	1631.7	1342.4	1075.9	886.7	689.5	508.2	127.8	17.8	5.0
75°	713.3	695.5	622.1	471.6	396.3	322.0	257.6	198.1	48.5	10.9	5.0
77.5°	118.9	102.0	89.2	85.2	71.3	69.3	60.4	48.5	20.8	6.9	5.0
80°	69.3	63.4	55.5	49.5	43.6	38.6	32.7	27.7	12.9	5.0	5.9
82.5°	51.5	45.6	40.6	35.7	30.7	26.7	22.8	18.8	6.9	5.0	5.9
85°	29.7	25.8	22.8	19.8	15.9	13.9	11.9	9.9	5.0	5.0	5.0
87.5°	5.9	5.9	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	4.0
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°	106.0	106.0	106.0	106.0	106.0	106.0	106.0
2.5°	95.1	92.1	91.1	91.1	91.1	91.1	91.1
5°	87.2	84.2	82.2	81.2	81.2	81.2	81.2
7.5°	81.2	77.3	75.3	73.3	73.3	72.3	72.3
10°	75.3	71.3	68.4	66.4	65.4	65.4	65.4
12.5°	70.3	66.4	62.4	60.4	60.4	59.4	59.4
15°	66.4	60.4	57.5	55.5	55.5	54.5	54.5
17.5°	61.4	56.5	53.5	51.5	50.5	50.5	50.5
20°	56.5	51.5	48.5	47.6	46.6	46.6	45.6
22.5°	52.5	47.6	44.6	43.6	42.6	42.6	41.6
25°	48.5	43.6	40.6	39.6	38.6	37.6	37.6
27.5°	45.6	40.6	37.6	35.7	34.7	33.7	33.7
30°	42.6	36.7	33.7	31.7	30.7	29.7	29.7
32.5°	39.6	33.7	29.7	27.7	26.7	25.8	25.8
35°	35.7	29.7	25.8	24.8	23.8	22.8	21.8
37.5°	32.7	25.8	22.8	20.8	19.8	18.8	18.8
40°	28.7	22.8	19.8	17.8	15.9	14.9	14.9
42.5°	25.8	19.8	16.8	13.9	12.9	11.9	11.9
45°	22.8	17.8	13.9	10.9	9.9	8.9	8.9
47.5°	19.8	14.9	10.9	8.9	7.9	6.9	6.9
50°	16.8	11.9	7.9	5.9	6.9	5.9	5.9
52.5°	14.9	8.9	5.9	5.9	5.9	5.9	5.9
55°	11.9	6.9	5.0	5.0	5.9	5.9	5.9
57.5°	9.9	5.0	4.0	5.0	5.0	5.0	5.0
60°	6.9	4.0	4.0	5.0	5.0	5.0	5.0
62.5°	5.9	4.0	4.0	4.0	5.0	5.0	5.0
64°	5.0	4.0	4.0	4.0	5.0	5.0	5.0
65°	5.0	4.0	4.0	4.0	5.0	5.0	5.0
67.5°	5.0	4.0	4.0	4.0	5.0	5.0	5.0
70°	4.0	4.0	4.0	4.0	5.0	5.0	5.0
72.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0
75°	4.0	4.0	4.0	4.0	5.0	5.0	5.0
77.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0
80°	4.0	4.0	4.0	5.0	5.0	5.0	5.0
82.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0
85°	4.0	4.0	4.0	5.0	5.0	5.0	5.0
87.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)