

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: P181199

Luminaire Tested: **ICM-F06-LED-E1-T2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181199
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: ICM-F06-LED-E1-T2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6738.9 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

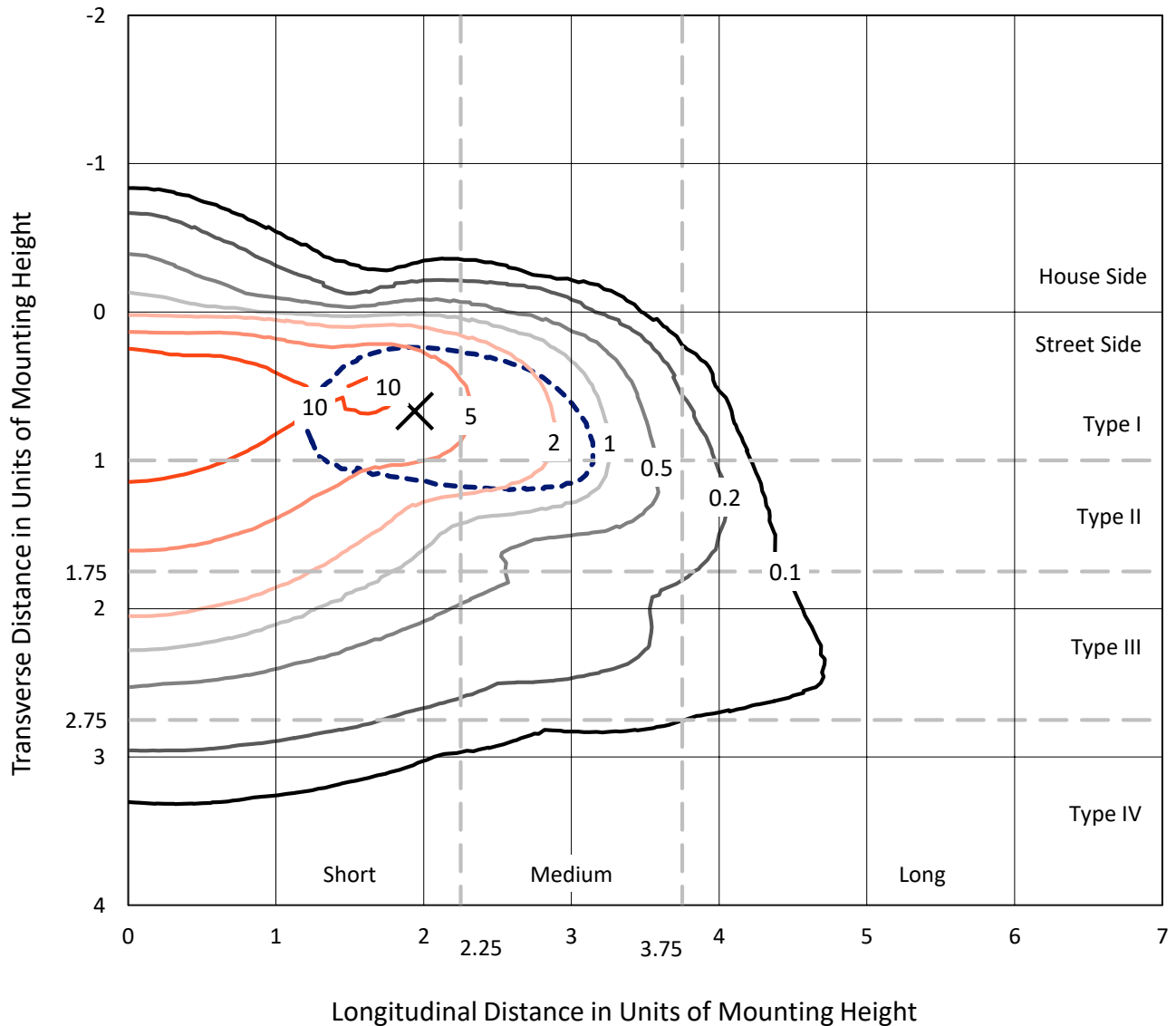
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

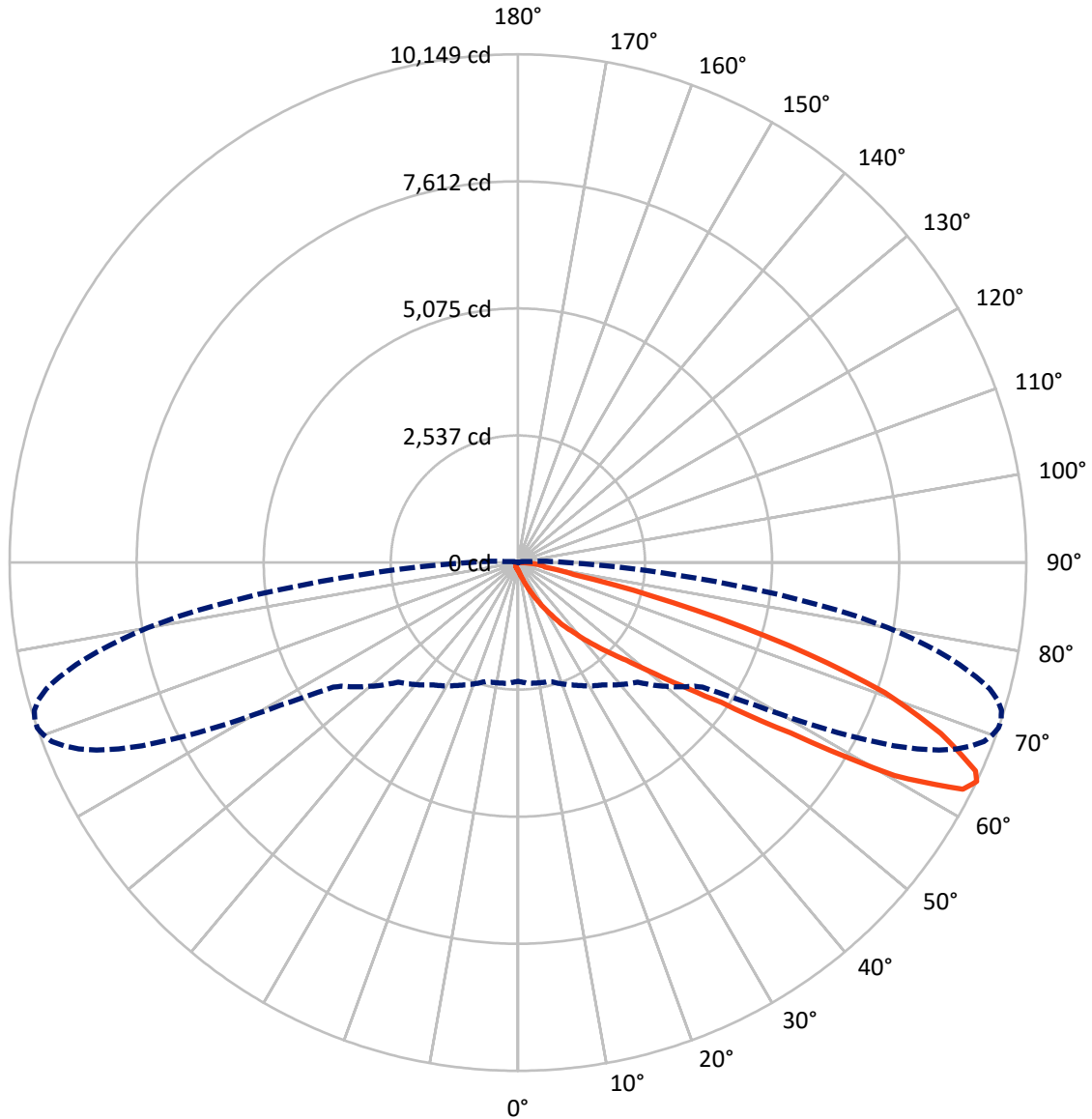
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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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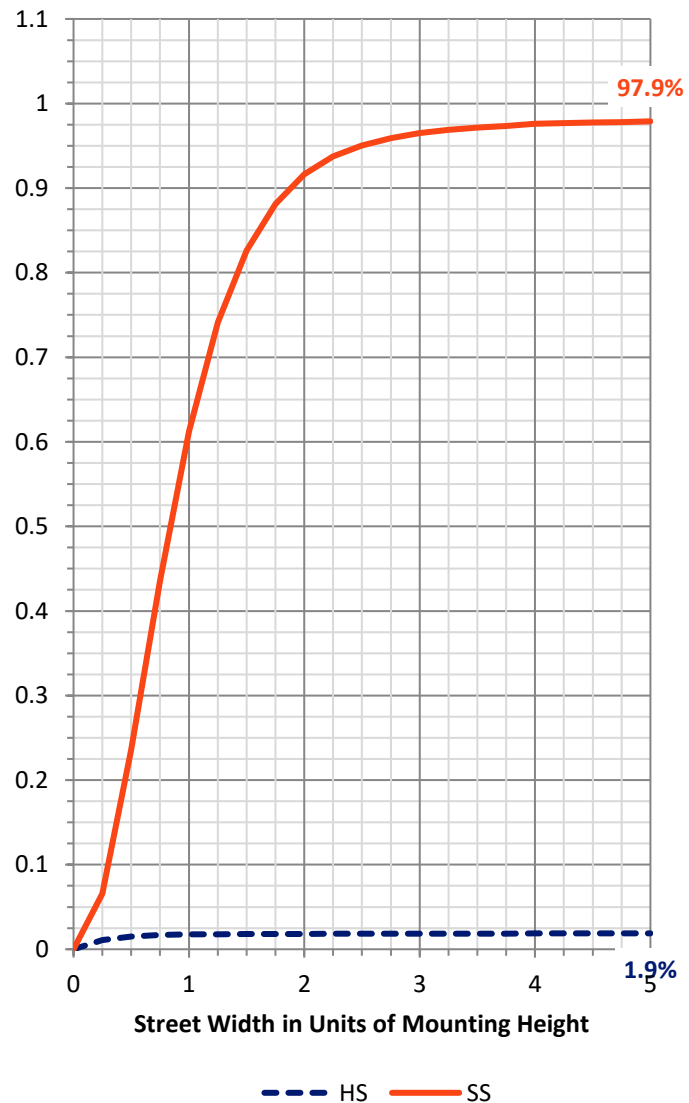
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.0	0.0	129.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6609.8	0.0	6609.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	6738.9	0.0	6738.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.3
10°-20°	121.8	1.8
20°-30°	311.2	4.6
30°-40°	629.5	9.3
40°-50°	1150.7	17.1
50°-60°	1792.7	26.6
60°-70°	1992.6	29.6
70°-80°	649.8	9.6
80°-90°	69.9	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°	6738.9	100.0
0°-180°	6738.9	100.0



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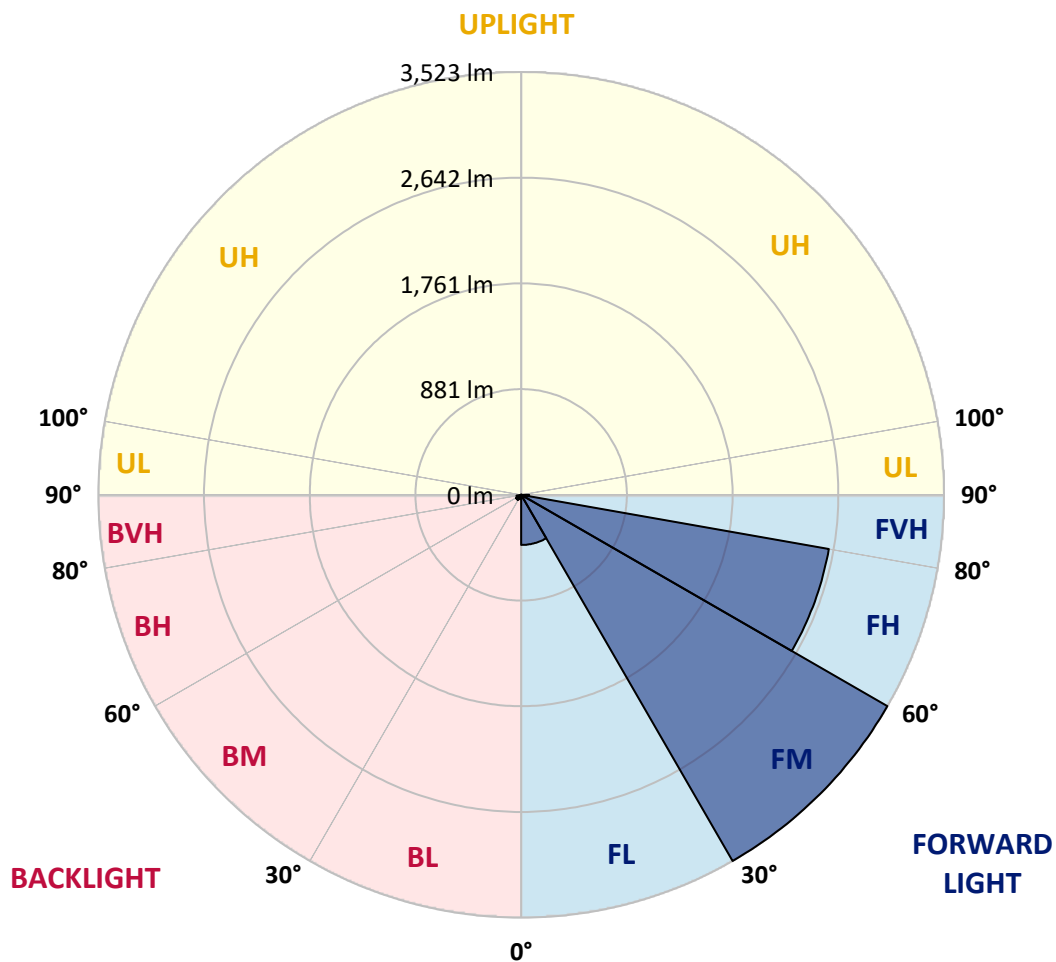
CATALOG NUMBER: ICM-F06-LED-E1-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	417.8	6.2			
FM	(30°-60°)	3522.9	52.3			
FH	(60°-80°)	2602.6	38.6			G2/5000
FVH	(80°-90°)	66.5	1.0			G1/100
BL	(0°-30°)	35.9	0.5	B0/110		
BM	(30°-60°)	49.9	0.7	B0/220		
BH	(60°-80°)	39.8	0.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	202.0	199.2	199.2	195.0	189.4	183.7	178.1	176.7	175.3	174.0	174.0
5°	317.0	305.8	301.6	286.1	266.5	242.7	221.7	216.0	216.0	211.8	209.0
7.5°	498.0	492.4	462.9	447.4	401.2	343.7	283.4	277.8	276.4	270.7	262.3
10°	729.5	718.2	697.2	652.3	568.1	468.6	383.0	368.9	359.1	347.9	336.7
12.5°	960.9	946.9	916.0	843.1	758.9	631.3	493.8	481.1	465.8	450.3	432.1
15°	1192.4	1182.5	1134.9	1061.9	952.5	799.6	625.7	603.2	590.6	559.7	545.7
17.5°	1392.9	1380.4	1342.4	1259.7	1146.1	977.8	771.5	743.4	722.4	704.2	670.5
20°	1566.9	1554.2	1517.8	1449.1	1321.4	1155.9	928.7	914.6	876.7	848.7	829.0
22.5°	1673.5	1669.3	1645.5	1579.5	1465.9	1318.6	1108.2	1085.8	1060.5	1022.6	1000.2
25°	1739.5	1735.3	1721.2	1674.9	1597.8	1489.8	1306.0	1278.0	1255.4	1221.9	1193.8
27.5°	1808.2	1805.4	1794.2	1753.5	1712.8	1645.5	1506.6	1491.2	1442.1	1422.4	1395.7
30°	1921.8	1909.2	1919.0	1899.4	1847.5	1805.4	1708.6	1686.1	1665.1	1631.5	1607.6
32.5°	2102.8	2081.8	2102.8	2081.8	2059.3	2008.8	1916.2	1909.2	1888.2	1867.1	1833.4
35°	2324.4	2316.0	2332.9	2351.1	2332.9	2265.5	2153.3	2132.2	2123.8	2090.2	2077.5
37.5°	2547.5	2562.9	2593.8	2634.4	2623.2	2574.2	2415.6	2395.9	2380.6	2351.1	2328.7
40°	2787.4	2788.8	2854.7	2913.6	2943.1	2913.6	2704.6	2689.1	2668.1	2626.1	2620.4
42.5°	3048.3	3037.0	3086.2	3152.0	3212.4	3253.0	3086.2	3056.7	3027.2	2979.6	2947.3
45°	3279.7	3279.7	3319.0	3380.7	3473.3	3575.7	3488.8	3457.9	3429.8	3390.5	3354.1
47.5°	3450.8	3452.3	3476.1	3565.9	3710.3	3863.3	3866.1	3871.7	3850.6	3804.4	3805.8
50°	3571.5	3556.0	3588.3	3675.3	3842.3	4082.1	4254.6	4264.5	4281.3	4243.5	4254.6
52.5°	3659.8	3652.9	3673.9	3746.8	3913.8	4207.0	4573.1	4615.2	4640.4	4646.1	4692.3
55°	3613.6	3617.8	3668.3	3773.5	3953.0	4289.7	4843.8	4912.6	4971.5	5022.0	5079.5
57.5°	3460.7	3473.3	3561.7	3725.8	3961.5	4357.0	5131.4	5236.6	5347.4	5482.1	5595.8
60°	3216.6	3246.1	3365.3	3595.4	3880.1	4268.7	5217.0	5378.3	5548.0	5752.9	5981.5
62.5°	2858.9	2864.5	2943.1	3166.1	3480.3	3798.7	4824.2	5030.4	5254.8	5550.8	5870.6
64°	2369.3	2419.8	2456.3	2701.8	2982.3	3379.3	4305.1	4448.2	4761.1	5124.4	5527.0
65°	1955.5	2015.8	2045.2	2290.7	2612.0	2990.7	3853.4	4006.4	4336.0	4705.0	5207.1
67.5°	1153.1	1112.4	1198.0	1342.4	1611.8	2060.7	2599.4	2715.8	2961.3	3400.4	3801.5
70°	743.4	743.4	822.1	969.3	1219.0	1562.7	1785.8	1736.7	1788.6	1958.2	2241.7
72.5°	476.9	502.2	549.9	674.7	906.2	1310.2	1825.0	1593.6	1472.9	1416.8	1414.1
75°	217.4	231.4	283.4	357.7	484.0	854.3	1840.5	1739.5	1628.7	1522.1	1439.3
77.5°	46.3	53.3	89.8	185.2	235.6	394.1	1306.0	1457.5	1578.1	1613.2	1613.2
80°	23.8	25.2	37.9	87.0	101.0	133.3	503.6	662.1	816.4	1019.8	1233.0
82.5°	9.9	11.3	22.4	39.3	42.0	40.7	133.3	168.4	231.4	336.7	502.2
85°	2.8	2.8	9.9	15.4	22.4	18.2	29.5	33.7	43.4	63.2	120.7
87.5°	0.0	0.0	1.4	2.8	4.2	7.0	8.4	8.4	8.4	8.4	8.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	172.6	172.6	171.2	169.8	169.8	167.0	167.0	165.5	165.5	164.1	164.1
5°	207.6	204.8	202.0	197.8	196.4	193.6	190.8	188.0	185.2	183.7	180.9
7.5°	258.1	255.4	246.9	241.3	234.2	230.0	224.5	220.3	216.0	213.2	207.6
10°	325.5	315.6	311.4	291.8	287.5	277.8	269.3	263.7	252.5	245.5	238.5
12.5°	420.8	402.6	395.6	362.0	352.1	338.0	328.3	314.2	301.6	293.2	280.6
15°	528.8	514.8	488.2	454.5	436.3	420.8	397.0	385.8	368.9	350.7	332.5
17.5°	657.9	632.7	603.2	559.7	537.3	513.4	491.0	467.2	439.1	422.2	402.6
20°	808.0	781.3	744.8	690.1	663.5	639.6	600.4	583.5	549.9	516.2	491.0
22.5°	972.1	945.5	910.4	848.7	813.6	774.3	742.1	712.7	673.3	639.6	610.2
25°	1157.3	1126.4	1099.8	1028.3	984.8	944.1	909.0	857.1	823.4	784.2	743.4
27.5°	1367.7	1331.3	1296.2	1217.6	1176.9	1132.0	1090.0	1035.3	1003.0	938.4	900.6
30°	1583.7	1538.9	1502.4	1422.4	1386.0	1339.6	1282.1	1233.0	1178.3	1134.9	1073.1
32.5°	1811.0	1774.5	1745.0	1660.9	1614.6	1557.1	1505.2	1453.3	1405.6	1335.5	1279.4
35°	2053.7	2021.4	1989.1	1916.2	1875.5	1832.0	1773.1	1710.0	1644.1	1571.1	1520.7
37.5°	2308.9	2283.7	2258.5	2170.2	2122.4	2076.1	2008.8	1945.7	1886.7	1809.6	1724.0
40°	2576.9	2553.0	2512.4	2439.5	2388.9	2346.9	2285.1	2226.2	2146.2	2060.7	1984.9
42.5°	2913.6	2861.7	2826.6	2746.6	2693.3	2647.1	2592.4	2504.0	2436.7	2334.2	2261.3
45°	3307.7	3258.7	3201.1	3119.8	3053.9	2978.2	2900.9	2840.7	2756.5	2663.9	2569.9
47.5°	3751.1	3711.7	3644.5	3564.5	3498.5	3422.8	3331.6	3254.4	3152.0	3044.0	2916.4
50°	4239.2	4198.5	4153.6	4063.8	3998.0	3926.4	3854.8	3763.7	3671.1	3542.1	3410.2
52.5°	4692.3	4700.8	4674.1	4632.0	4599.7	4525.4	4459.5	4372.5	4291.1	4173.3	4070.9
55°	5139.8	5212.8	5240.8	5281.5	5295.6	5235.2	5233.8	5106.2	5057.1	4988.3	4929.4
57.5°	5730.4	5891.7	6019.4	6266.3	6370.1	6475.3	6494.9	6405.2	6497.7	6378.5	6419.1
60°	6232.6	6528.6	6845.6	7483.9	7803.7	8045.0	8238.6	8381.6	8474.2	8631.3	8639.8
62.5°	6277.4	6743.2	7225.7	8157.2	8594.8	8961.0	9310.3	9554.4	9748.0	9926.1	9969.6
64°	6062.8	6639.4	7225.7	8352.2	8799.7	9206.5	9524.9	9767.6	9965.4	10076.2	10149.2
65°	5672.9	6318.2	6992.9	8223.1	8684.6	9116.7	9421.1	9665.2	9851.8	9962.6	10038.4
67.5°	4202.7	4827.0	5504.5	6936.8	7663.4	8059.0	8449.0	8791.3	8941.4	9081.6	9108.3
70°	2561.5	3014.6	3481.7	4810.2	5484.9	6196.1	6635.2	7136.0	7486.7	7702.7	7774.3
72.5°	1545.9	1703.0	1982.2	2696.2	3342.8	3842.3	4449.6	4928.0	5320.8	5538.2	5647.7
75°	1376.1	1356.5	1392.9	1690.3	1920.4	2220.6	2440.9	2741.0	2983.7	3059.5	3201.1
77.5°	1590.8	1534.6	1477.1	1421.0	1409.8	1381.8	1336.8	1348.1	1241.5	1139.1	1141.9
80°	1416.8	1551.5	1631.5	1572.6	1439.3	1304.6	1139.1	932.8	729.5	603.2	549.9
82.5°	711.2	1011.4	1300.4	1586.5	1566.9	1447.6	1265.3	1039.4	805.2	618.6	493.8
85°	218.8	388.6	547.1	760.3	882.3	865.5	760.3	739.3	527.4	411.0	317.0
87.5°	9.9	9.9	9.9	8.4	9.9	9.9	9.9	11.3	11.3	12.7	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°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	164.1	162.7	161.3	159.9	159.9	159.9	158.5	158.5	157.1	157.1	155.7
5°	180.9	178.1	176.7	174.0	174.0	171.2	169.8	168.4	165.5	164.1	162.7
7.5°	203.4	200.6	196.4	192.2	190.8	186.6	182.3	179.5	176.7	174.0	171.2
10°	232.8	227.3	218.8	213.2	209.0	203.4	197.8	193.6	188.0	182.3	179.5
12.5°	270.7	259.5	251.1	241.3	232.8	224.5	214.6	209.0	203.4	195.0	189.4
15°	314.2	303.0	293.2	276.4	262.3	251.1	242.7	230.0	220.3	209.0	200.6
17.5°	388.6	359.1	339.4	322.6	308.7	287.5	270.7	256.7	244.1	230.0	220.3
20°	461.5	436.3	409.6	390.0	359.1	340.8	318.4	298.8	276.4	259.5	242.7
22.5°	568.1	535.9	502.2	472.7	430.7	405.4	375.9	350.7	322.6	294.6	276.4
25°	702.8	655.1	610.2	568.1	528.8	491.0	453.1	412.4	383.0	349.3	318.4
27.5°	844.5	791.2	747.7	692.9	642.5	596.2	548.5	505.0	454.5	411.0	374.5
30°	1022.6	949.7	899.2	833.2	782.8	718.2	659.4	601.8	540.1	489.6	437.7
32.5°	1203.6	1154.5	1068.9	1012.8	937.0	859.9	798.1	732.3	656.5	590.6	527.4
35°	1442.1	1357.9	1286.3	1207.8	1125.0	1045.1	965.1	871.2	794.0	712.7	635.4
37.5°	1652.5	1566.9	1484.2	1381.8	1287.7	1203.6	1106.8	1008.6	917.4	820.7	728.0
40°	1896.6	1790.0	1691.7	1596.4	1479.9	1380.4	1279.4	1157.3	1052.1	945.5	836.1
42.5°	2163.1	2055.1	1938.6	1829.2	1701.6	1579.5	1454.7	1332.7	1214.8	1085.8	958.1
45°	2454.9	2341.2	2210.8	2086.0	1947.1	1812.4	1663.7	1523.5	1384.6	1240.1	1092.8
47.5°	2816.8	2670.9	2550.2	2394.5	2222.1	2080.3	1898.0	1738.1	1579.5	1411.2	1245.7
50°	3285.3	3119.8	2945.9	2773.3	2582.5	2403.0	2200.9	2011.6	1799.7	1611.8	1422.4
52.5°	3906.7	3783.3	3581.3	3383.6	3150.6	2922.0	2644.3	2398.8	2126.6	1886.7	1655.3
55°	4789.1	4707.7	4532.4	4316.4	4113.0	3779.1	3459.3	3077.7	2724.2	2379.1	2053.7
57.5°	6386.9	6298.6	6103.6	6051.7	5738.8	5493.3	5118.7	4625.0	4026.0	3498.5	2972.5
60°	8687.5	8514.9	8324.1	8289.1	7921.5	7663.4	7291.7	6765.6	6201.7	5360.0	4643.2
62.5°	9972.4	9920.5	9766.2	9576.8	9258.4	8875.4	8457.4	7948.2	7375.9	6638.0	5785.1
64°	10145.0	10097.3	9964.0	9750.8	9430.9	9050.8	8587.9	8080.0	7506.3	6833.0	6054.5
65°	10036.9	9969.6	9856.0	9659.6	9362.2	8997.5	8531.8	8016.9	7434.7	6786.6	6062.8
67.5°	9165.8	9134.9	9031.1	8848.8	8662.2	8334.0	7924.3	7464.2	6988.7	6346.2	5752.9
70°	7782.7	7760.2	7628.3	7555.4	7246.8	7039.2	6708.1	6346.2	5925.3	5477.9	4972.9
72.5°	5769.7	5693.9	5587.3	5476.5	5267.5	4982.7	4724.6	4338.8	4121.4	3744.0	3459.3
75°	3059.5	3011.7	2846.2	2614.8	2356.7	2223.5	1955.5	1715.6	1524.8	1439.3	1233.0
77.5°	1057.7	963.7	871.2	767.4	608.8	479.7	383.0	305.8	241.3	213.2	178.1
80°	527.4	500.8	471.4	412.4	346.5	279.2	218.8	172.6	141.7	120.7	108.0
82.5°	427.8	378.8	338.0	296.0	237.0	195.0	154.3	126.2	103.8	91.2	80.0
85°	252.5	193.6	147.3	133.3	103.8	89.8	77.1	66.0	56.1	53.3	49.1
87.5°	9.9	12.7	12.7	9.9	12.7	11.3	11.3	9.9	9.9	9.9	9.9
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°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	155.7	154.3	154.3	152.9	151.5	151.5	151.5	150.1	147.3	141.7	137.5
5°	161.3	159.9	158.5	155.7	154.3	152.9	151.5	151.5	144.5	134.7	127.6
7.5°	168.4	165.5	162.7	159.9	158.5	155.7	152.9	151.5	141.7	129.0	122.0
10°	175.3	171.2	167.0	165.5	161.3	158.5	154.3	151.5	140.3	124.8	115.1
12.5°	183.7	178.1	172.6	168.4	162.7	159.9	155.7	151.5	137.5	120.7	109.4
15°	193.6	185.2	178.1	174.0	168.4	161.3	155.7	151.5	134.7	116.5	103.8
17.5°	206.2	196.4	188.0	179.5	171.2	164.1	158.5	152.9	130.4	110.8	96.8
20°	225.9	213.2	199.2	189.4	178.1	169.8	159.9	152.9	127.6	105.2	91.2
22.5°	252.5	232.8	217.4	200.6	186.6	175.3	164.1	155.7	123.4	99.6	84.2
25°	290.4	265.1	239.9	218.8	200.6	185.2	171.2	159.9	120.7	95.3	80.0
27.5°	332.5	303.0	269.3	244.1	218.8	196.4	180.9	167.0	120.7	92.6	75.7
30°	391.4	349.3	308.7	276.4	242.7	217.4	195.0	176.7	120.7	91.2	71.5
32.5°	462.9	415.3	363.4	317.0	277.8	241.3	213.2	189.4	123.4	88.4	68.7
35°	562.5	492.4	430.7	373.1	321.2	279.2	242.7	210.4	127.6	87.0	64.6
37.5°	641.1	556.9	478.3	412.4	352.1	300.2	253.9	218.8	123.4	81.4	60.3
40°	735.1	639.6	544.3	461.5	392.7	325.5	272.1	230.0	120.7	74.3	54.7
42.5°	848.7	729.5	618.6	524.7	439.1	359.1	296.0	244.1	120.7	70.1	50.5
45°	955.3	824.8	701.4	583.5	484.0	395.6	318.4	259.5	119.3	66.0	44.9
47.5°	1087.2	932.8	788.4	652.3	537.3	429.2	342.2	273.6	117.9	61.8	40.7
50°	1242.9	1054.9	892.2	729.5	589.2	470.0	370.3	288.9	115.1	57.5	36.5
52.5°	1415.5	1213.4	1005.8	817.9	653.7	513.4	397.0	303.0	110.8	53.3	32.3
55°	1721.2	1443.5	1198.0	965.1	751.9	578.0	436.3	324.0	106.6	49.1	28.1
57.5°	2454.9	1994.8	1646.9	1296.2	990.3	742.1	542.9	384.4	101.0	43.4	22.4
60°	3854.8	3095.9	2505.4	1965.3	1498.1	1139.1	799.6	568.1	108.0	36.5	19.6
62.5°	4944.9	4072.3	3320.4	2642.8	2052.3	1559.9	1164.3	848.7	155.7	32.3	15.4
64°	5229.6	4345.8	3543.5	2833.6	2219.2	1711.4	1299.0	959.5	200.6	32.3	14.0
65°	5271.7	4430.0	3623.4	2903.7	2276.8	1752.1	1338.2	996.0	218.8	33.7	12.7
67.5°	5097.7	4380.9	3647.3	2933.2	2320.2	1808.2	1391.5	1053.5	246.9	32.3	9.9
70°	4452.5	3925.0	3321.8	2743.8	2188.4	1718.4	1338.2	1021.2	258.1	30.9	8.4
72.5°	3030.1	2666.7	2310.4	1900.8	1523.5	1255.4	976.4	719.6	180.9	25.2	7.0
75°	1010.1	984.8	880.9	667.7	561.1	455.9	364.7	280.6	68.7	15.4	7.0
77.5°	168.4	144.5	126.2	120.7	101.0	98.2	85.6	68.7	29.5	9.9	7.0
80°	98.2	89.8	78.5	70.1	61.8	54.7	46.3	39.3	18.2	7.0	8.4
82.5°	72.9	64.6	57.5	50.5	43.4	37.9	32.3	26.7	9.9	7.0	8.4
85°	42.0	36.5	32.3	28.1	22.4	19.6	16.8	14.0	7.0	7.0	7.0
87.5°	8.4	8.4	7.0	7.0	7.0	7.0	7.0	5.6	7.0	7.0	5.6
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°	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	134.7	130.4	129.0	129.0	129.0	129.0	129.0
5°	123.4	119.3	116.5	115.1	115.1	115.1	115.1
7.5°	115.1	109.4	106.6	103.8	103.8	102.4	102.4
10°	106.6	101.0	96.8	94.0	92.6	92.6	92.6
12.5°	99.6	94.0	88.4	85.6	85.6	84.2	84.2
15°	94.0	85.6	81.4	78.5	78.5	77.1	77.1
17.5°	87.0	80.0	75.7	72.9	71.5	71.5	71.5
20°	80.0	72.9	68.7	67.3	66.0	66.0	64.6
22.5°	74.3	67.3	63.2	61.8	60.3	60.3	58.9
25°	68.7	61.8	57.5	56.1	54.7	53.3	53.3
27.5°	64.6	57.5	53.3	50.5	49.1	47.7	47.7
30°	60.3	51.9	47.7	44.9	43.4	42.0	42.0
32.5°	56.1	47.7	42.0	39.3	37.9	36.5	36.5
35°	50.5	42.0	36.5	35.1	33.7	32.3	30.9
37.5°	46.3	36.5	32.3	29.5	28.1	26.7	26.7
40°	40.7	32.3	28.1	25.2	22.4	21.0	21.0
42.5°	36.5	28.1	23.8	19.6	18.2	16.8	16.8
45°	32.3	25.2	19.6	15.4	14.0	12.7	12.7
47.5°	28.1	21.0	15.4	12.7	11.3	9.9	9.9
50°	23.8	16.8	11.3	8.4	9.9	8.4	8.4
52.5°	21.0	12.7	8.4	8.4	8.4	8.4	8.4
55°	16.8	9.9	7.0	7.0	8.4	8.4	8.4
57.5°	14.0	7.0	5.6	7.0	7.0	7.0	7.0
60°	9.9	5.6	5.6	7.0	7.0	7.0	7.0
62.5°	8.4	5.6	5.6	5.6	7.0	7.0	7.0
64°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
65°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
67.5°	7.0	5.6	5.6	5.6	7.0	7.0	7.0
70°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
72.5°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	7.0	7.0	7.0
77.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
80°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
82.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
85°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
87.5°	5.6	5.6	5.6	7.0	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)