

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: P181338

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181338
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: ICM-E03-LED-E1-T3-HSS-7030
Description: ICON SITE MEDIUM 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: 4155.5 lumens
Efficiency: N/A
Efficacy: 55.3 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

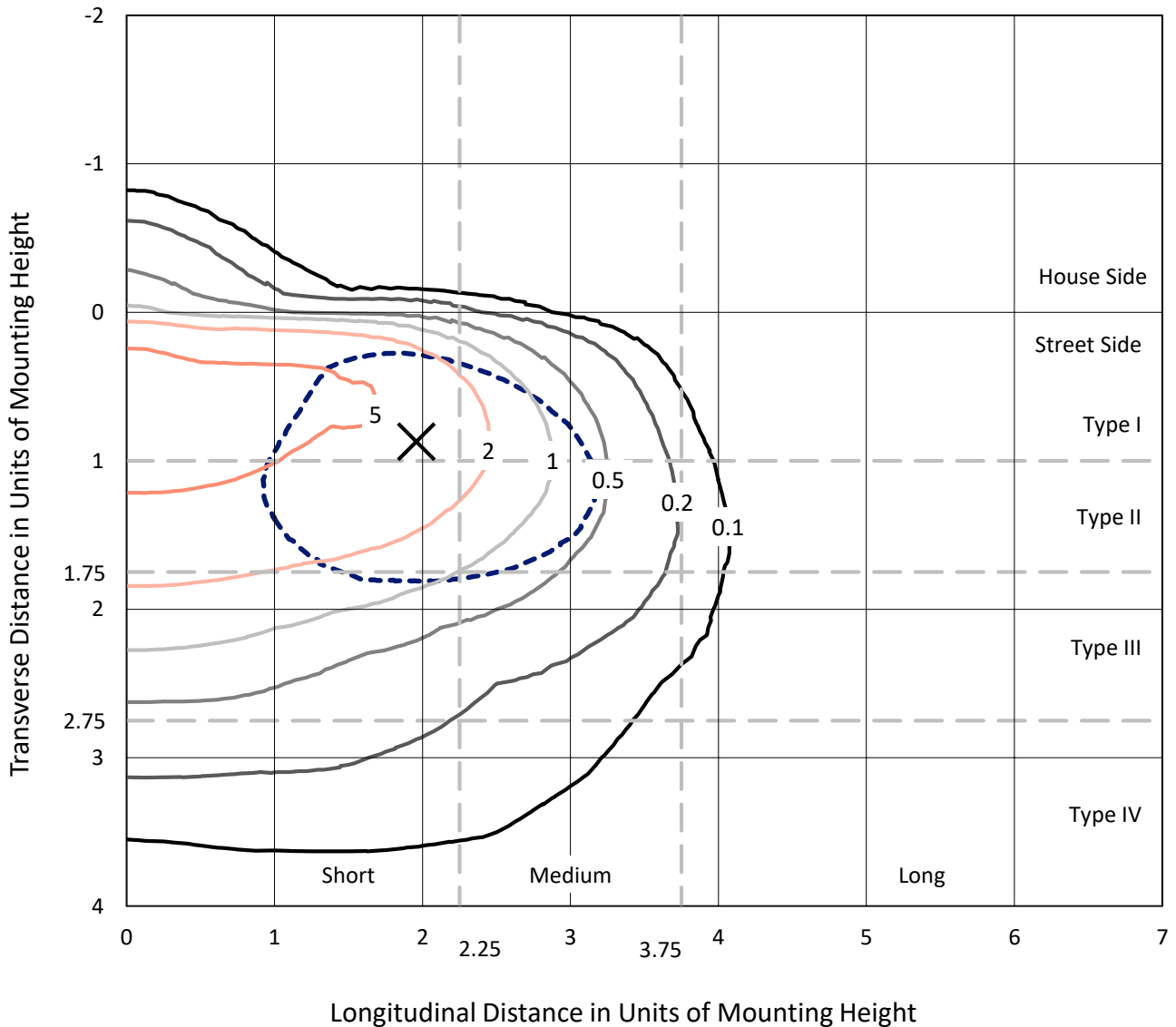
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

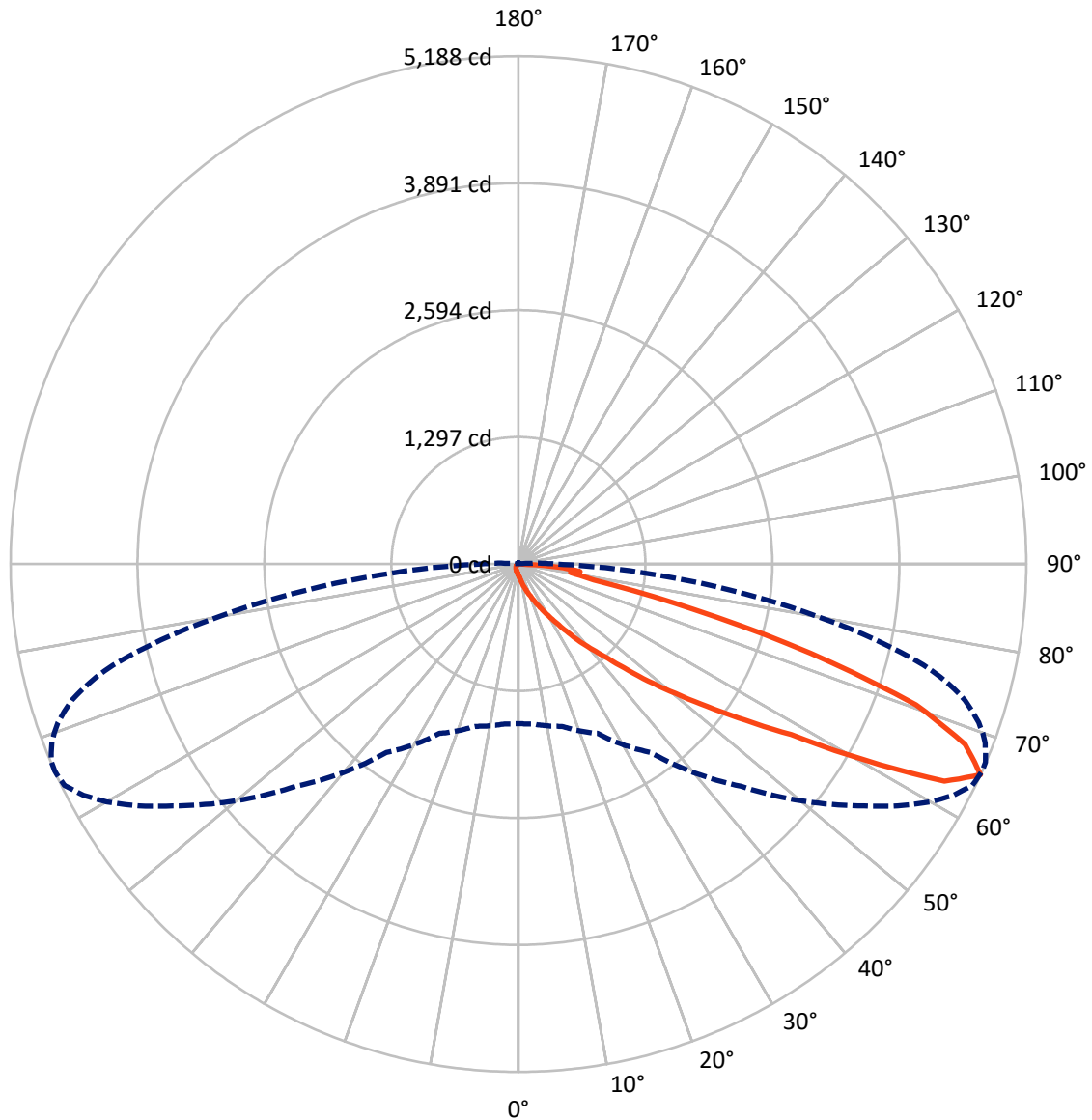
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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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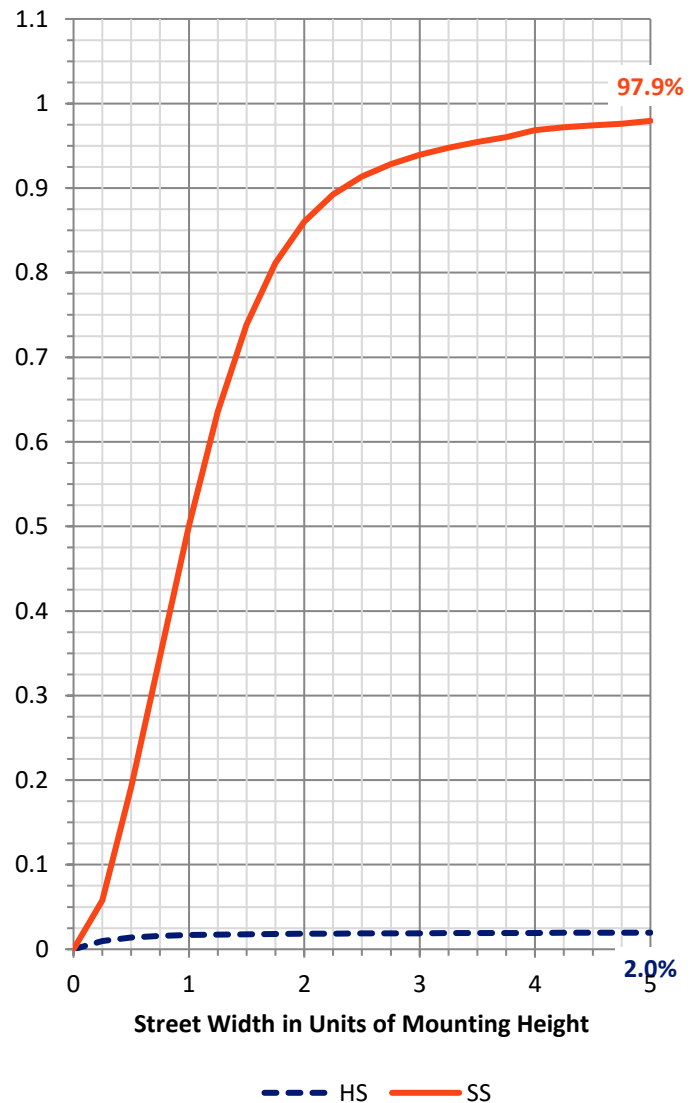
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	83.4	0.0	83.4
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4072.1	0.0	4072.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	4155.5	0.0	4155.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.3
10°-20°	67.6	1.6
20°-30°	154.4	3.7
30°-40°	293.7	7.1
40°-50°	589.4	14.2
50°-60°	1042.9	25.1
60°-70°	1362.6	32.8
70°-80°	560.3	13.5
80°-90°	70.6	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°	4155.5	100.0
0°-180°	4155.5	100.0



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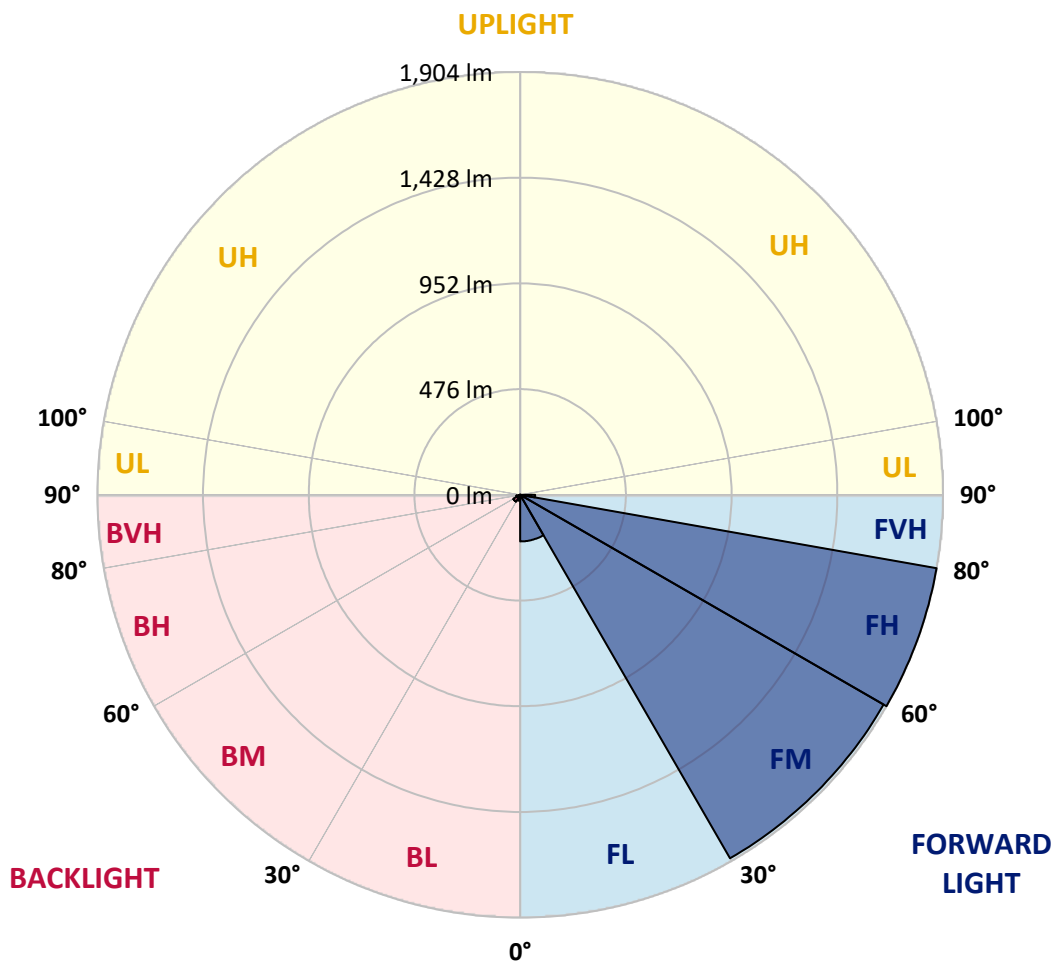
CATALOG NUMBER: ICM-E03-LED-E1-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.0	5.1			
FM	(30°-60°)	1890.2	45.5			
FH	(60°-80°)	1904.4	45.8			G2/5000
FVH	(80°-90°)	67.4	1.6			G1/100
BL	(0°-30°)	26.1	0.6	B0/110		
BM	(30°-60°)	35.7	0.9	B0/220		
BH	(60°-80°)	18.4	0.4	B0/110		G0/110
BVH	(80°-90°)	3.2	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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	152.9	150.4	151.3	146.1	142.7	138.5	135.1	134.2	133.4	131.7	132.6
5°	220.1	217.5	211.5	201.4	192.0	177.6	163.2	162.2	159.7	157.2	155.4
7.5°	305.9	301.6	294.8	277.9	254.9	229.4	200.6	198.0	194.6	191.2	187.8
10°	405.3	402.7	390.0	370.4	335.6	294.0	245.6	243.0	235.4	231.1	227.7
12.5°	509.8	498.7	493.7	459.6	419.7	362.8	300.7	291.4	285.5	279.5	271.1
15°	588.8	590.5	578.6	551.4	504.7	438.4	361.1	350.9	342.4	331.4	321.1
17.5°	660.2	656.7	644.0	627.1	582.9	515.7	425.7	412.1	398.5	392.6	378.0
20°	718.0	716.3	706.1	689.9	655.9	591.4	493.7	482.6	467.3	457.1	440.9
22.5°	763.8	763.8	757.9	748.6	715.4	663.5	565.9	554.0	538.7	526.0	508.1
25°	800.4	799.5	800.4	796.1	774.1	726.4	639.8	626.1	613.4	598.1	581.1
27.5°	842.0	843.7	842.0	839.4	830.1	791.8	714.5	705.2	690.8	674.6	657.6
30°	906.5	901.5	900.7	898.9	887.9	864.1	791.8	780.8	769.8	758.7	746.8
32.5°	974.5	966.1	963.4	963.4	955.8	934.6	881.0	875.2	859.0	850.5	840.3
35°	1051.8	1048.5	1045.0	1045.9	1042.5	1020.4	976.2	978.0	972.8	955.8	945.7
37.5°	1164.8	1165.7	1159.7	1148.7	1148.7	1129.1	1103.6	1100.3	1087.5	1083.3	1077.3
40°	1326.2	1322.1	1316.9	1300.8	1294.8	1261.7	1238.0	1229.4	1219.3	1218.3	1211.5
42.5°	1513.2	1508.1	1508.1	1496.2	1484.3	1444.4	1399.4	1393.4	1382.3	1385.8	1383.2
45°	1686.5	1690.8	1696.8	1705.2	1706.9	1690.0	1624.5	1616.8	1610.9	1607.5	1604.9
47.5°	1836.1	1843.7	1863.3	1899.8	1946.5	1952.5	1900.7	1880.2	1876.0	1870.1	1864.9
50°	1943.1	1954.2	1998.3	2069.7	2160.6	2216.7	2188.7	2171.6	2170.8	2154.7	2152.9
52.5°	2004.3	2016.2	2088.4	2196.3	2337.3	2446.9	2481.8	2480.9	2479.3	2464.8	2458.8
55°	2017.9	2030.6	2117.3	2264.3	2465.6	2655.1	2788.5	2791.9	2799.6	2795.3	2795.3
57.5°	1980.5	1996.7	2091.0	2272.8	2532.8	2819.9	3111.4	3130.9	3140.2	3173.4	3211.6
60°	1911.6	1923.5	2017.9	2220.9	2544.7	2970.3	3531.1	3593.1	3641.5	3706.9	3769.0
62.5°	1784.2	1808.0	1898.1	2119.0	2508.9	3143.6	4032.4	4147.1	4241.3	4340.8	4460.6
65°	1629.6	1639.8	1716.3	1909.1	2349.2	3209.9	4309.3	4421.5	4542.2	4648.3	4755.4
67.5°	1435.9	1444.4	1510.6	1593.0	1938.9	2899.8	4036.6	4160.7	4269.4	4357.0	4497.1
70°	940.6	959.3	1121.5	1203.1	1355.2	2143.6	3300.9	3420.6	3503.9	3563.4	3725.6
72.5°	689.0	700.9	766.3	934.6	972.0	1266.8	2322.9	2452.9	2483.5	2595.6	2671.3
75°	420.6	450.3	598.1	800.4	947.4	867.4	1391.7	1454.6	1525.1	1606.6	1678.9
77.5°	84.9	96.8	195.4	551.4	833.5	927.0	831.0	842.8	877.7	885.3	912.5
80°	13.6	14.4	25.5	237.9	482.6	749.4	831.0	819.9	800.4	786.8	773.1
82.5°	6.0	6.8	11.1	60.3	102.8	249.8	718.8	774.9	839.4	875.2	884.5
85°	2.5	2.5	4.3	11.9	15.3	17.0	121.5	160.6	286.3	380.7	438.4
87.5°	1.7	1.7	2.5	2.5	3.4	4.3	6.0	6.0	6.8	7.6	11.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	132.6	131.7	131.7	129.1	129.1	128.3	128.3	127.4	127.4	125.8	126.6
5°	154.6	152.9	151.3	148.7	147.8	146.1	144.5	141.9	141.0	139.3	138.5
7.5°	184.4	182.7	179.3	174.1	170.8	167.3	164.0	160.6	158.0	155.4	153.8
10°	220.9	215.8	214.1	203.9	199.6	192.8	188.7	185.2	180.1	175.9	173.3
12.5°	265.1	260.8	252.4	238.8	231.9	226.0	218.3	211.5	206.4	198.8	193.7
15°	311.0	307.5	295.6	280.4	271.9	260.8	253.2	246.4	235.4	230.2	220.9
17.5°	368.7	358.5	346.6	324.6	313.5	304.2	290.6	280.4	273.6	258.3	249.8
20°	428.2	417.2	401.9	377.2	362.0	347.5	336.5	322.9	308.4	298.2	283.8
22.5°	496.2	478.3	466.4	435.8	418.0	402.7	384.0	369.6	355.2	339.0	322.9
25°	568.4	550.6	536.1	501.3	482.6	467.3	445.2	424.8	407.0	389.1	370.4
27.5°	644.0	627.9	611.7	576.1	559.9	538.7	518.2	494.5	471.5	455.4	430.0
30°	731.5	718.0	700.1	661.9	644.0	622.0	600.7	572.7	550.6	528.5	503.8
32.5°	825.9	814.8	796.1	762.1	740.8	722.1	699.3	672.1	640.7	617.7	588.8
35°	940.6	921.9	910.8	878.5	862.4	842.0	818.2	794.4	761.3	729.0	704.4
37.5°	1071.4	1062.9	1048.5	1017.9	1006.0	984.8	969.4	945.7	920.2	879.4	853.0
40°	1205.6	1199.7	1187.0	1156.4	1144.5	1130.1	1112.2	1089.2	1058.6	1037.4	998.3
42.5°	1376.4	1367.1	1356.8	1328.0	1305.0	1287.2	1279.5	1260.0	1227.7	1200.6	1170.0
45°	1593.0	1588.8	1575.3	1546.3	1523.4	1511.5	1499.6	1466.4	1445.2	1418.1	1396.8
47.5°	1854.7	1841.1	1834.3	1802.1	1794.4	1785.0	1754.5	1735.8	1705.2	1684.0	1657.6
50°	2137.7	2123.3	2124.1	2085.0	2086.7	2079.9	2056.9	2034.9	2008.6	1989.9	1973.7
52.5°	2441.9	2448.7	2431.6	2443.5	2430.0	2414.6	2410.4	2383.2	2360.3	2359.5	2337.3
55°	2815.6	2804.7	2808.9	2820.8	2802.1	2819.1	2810.6	2775.7	2776.6	2783.4	2757.9
57.5°	3217.6	3233.7	3268.6	3276.2	3308.5	3286.3	3344.1	3302.5	3328.0	3328.0	3311.0
60°	3807.2	3871.7	3955.9	4021.3	4081.6	4062.1	4137.7	4090.2	4124.1	4095.2	4080.8
62.5°	4517.5	4603.3	4702.7	4809.0	4870.1	4885.4	4874.4	4895.6	4862.4	4841.2	4786.0
65°	4859.1	4944.0	5030.6	5158.1	5175.1	5187.8	5182.7	5147.1	5106.3	5046.0	4973.8
67.5°	4575.3	4694.3	4742.6	4889.6	4938.9	4921.1	4927.0	4881.1	4817.4	4758.0	4651.7
70°	3793.6	3929.5	3955.0	4165.8	4224.4	4309.3	4278.7	4265.1	4195.5	4145.3	4028.1
72.5°	2762.2	2868.4	2859.8	3096.9	3086.7	3121.5	3203.9	3200.6	3127.5	3111.4	3012.8
75°	1700.1	1763.8	1760.5	1928.7	1858.2	1847.9	1870.9	1860.7	1791.9	1720.5	1659.4
77.5°	900.7	929.5	898.9	848.7	843.7	786.8	770.6	769.8	717.1	652.6	604.9
80°	758.7	729.0	693.3	620.2	577.8	539.5	503.8	470.7	435.0	387.4	329.7
82.5°	886.1	871.7	846.2	754.5	710.3	633.9	576.9	523.4	458.0	408.7	334.8
85°	431.6	430.8	451.2	441.8	425.7	422.2	366.2	354.3	328.0	300.7	251.5
87.5°	11.9	8.5	10.2	8.5	10.2	11.1	7.6	17.9	11.1	10.2	11.9
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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	125.8	124.9	124.0	124.0	123.2	123.2	122.3	121.5	121.5	120.7	120.7
5°	136.7	135.1	134.2	133.4	131.7	130.9	129.1	128.3	126.6	125.8	124.0
7.5°	150.4	148.7	145.3	143.6	141.0	140.2	135.9	134.2	132.6	130.9	128.3
10°	167.3	163.2	159.7	156.4	152.1	148.7	145.3	142.7	139.3	135.1	133.4
12.5°	188.7	182.7	177.6	171.6	166.5	161.4	155.4	151.3	146.1	141.9	137.7
15°	212.4	203.9	197.1	188.7	180.1	174.1	168.2	162.2	155.4	149.5	144.5
17.5°	239.6	228.6	219.2	209.0	199.6	191.2	180.9	173.3	165.7	157.2	150.4
20°	268.5	257.4	244.7	233.7	220.1	210.7	198.0	187.8	176.7	168.2	158.9
22.5°	306.7	292.3	276.1	260.8	246.4	231.9	218.3	205.6	192.0	179.3	170.0
25°	351.7	333.9	313.5	298.2	277.9	261.7	244.7	228.6	214.1	198.0	182.7
27.5°	407.8	384.0	362.0	340.7	318.6	298.2	276.1	257.4	237.9	219.2	202.2
30°	473.2	450.3	417.2	393.4	371.3	343.3	321.1	296.6	274.4	247.3	228.6
32.5°	559.9	530.1	495.4	463.9	435.0	403.5	373.0	341.6	312.7	288.0	260.0
35°	672.9	638.1	596.5	556.5	524.2	486.0	446.9	411.3	378.0	342.4	307.5
37.5°	815.6	783.4	738.3	689.9	646.6	600.7	559.9	509.8	465.6	422.2	378.0
40°	957.5	927.8	881.0	829.2	773.1	720.5	668.7	611.7	555.6	501.3	455.4
42.5°	1132.6	1088.4	1038.2	979.6	925.2	862.4	797.8	732.4	665.3	599.8	534.4
45°	1352.7	1318.6	1248.1	1185.2	1120.7	1046.7	966.9	892.1	806.3	729.0	642.3
47.5°	1620.3	1559.1	1507.3	1449.5	1368.8	1297.4	1195.4	1107.1	1000.0	897.2	793.6
50°	1936.3	1902.3	1833.5	1761.3	1673.8	1588.8	1489.4	1362.0	1233.7	1124.1	982.1
52.5°	2305.9	2257.5	2214.2	2139.4	2050.2	1941.4	1828.4	1690.0	1532.8	1378.1	1226.9
55°	2744.3	2710.3	2668.7	2609.2	2495.4	2372.2	2236.2	2070.5	1884.5	1676.3	1500.5
57.5°	3310.2	3274.5	3234.5	3112.2	3034.9	2883.6	2686.5	2514.9	2314.4	2047.6	1829.2
60°	4082.4	4034.1	3978.0	3878.5	3717.1	3520.9	3309.3	3055.3	2809.7	2518.3	2232.0
62.5°	4742.6	4665.3	4545.5	4417.2	4223.6	3998.4	3732.4	3433.3	3153.9	2825.9	2507.3
65°	4878.6	4772.4	4631.4	4463.9	4264.3	4010.3	3732.4	3446.1	3117.3	2808.9	2488.6
67.5°	4525.1	4402.0	4257.5	4070.6	3880.3	3618.6	3379.0	3087.6	2778.3	2511.6	2225.2
70°	3944.0	3761.3	3613.5	3414.7	3221.8	3016.2	2763.8	2545.5	2294.0	2048.5	1829.2
72.5°	2961.8	2781.7	2647.5	2488.6	2373.9	2156.4	1971.2	1808.0	1659.4	1475.8	1313.5
75°	1596.5	1461.4	1371.3	1299.1	1196.3	1052.7	964.4	852.2	789.3	712.8	638.9
77.5°	520.8	458.8	391.7	326.2	280.4	210.7	203.9	162.2	152.9	148.7	114.7
80°	266.8	205.6	148.7	107.1	81.6	72.2	68.8	65.4	62.0	59.4	55.3
82.5°	267.6	193.7	133.4	92.7	67.2	56.1	52.7	51.0	48.5	45.9	42.5
85°	195.4	144.5	99.4	68.0	46.7	37.4	35.7	33.1	31.4	30.6	27.2
87.5°	12.7	9.3	8.5	7.6	7.6	7.6	8.5	7.6	8.5	8.5	7.6
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	119.8	119.0	119.0	118.1	117.2	117.2	116.4	116.4	113.9	109.6	106.2
5°	123.2	121.5	120.7	119.8	119.0	117.2	116.4	115.5	111.3	102.8	96.0
7.5°	125.8	124.0	123.2	121.5	119.0	118.1	116.4	114.7	107.9	96.0	88.4
10°	130.0	127.4	124.9	122.3	119.8	118.1	115.5	113.9	103.6	90.0	82.4
12.5°	134.2	130.9	127.4	123.2	120.7	118.1	115.5	112.2	100.3	84.9	76.5
15°	139.3	134.2	130.0	125.8	121.5	118.1	113.9	111.3	96.8	80.7	73.0
17.5°	144.5	138.5	132.6	126.6	122.3	117.2	113.9	109.6	93.5	77.3	68.8
20°	150.4	141.9	135.9	129.1	123.2	117.2	112.2	107.9	90.0	73.0	64.6
22.5°	158.9	148.7	139.3	131.7	124.0	118.1	112.2	106.2	86.7	69.7	61.2
25°	170.0	157.2	146.1	136.7	127.4	119.8	113.0	107.1	84.1	67.2	56.9
27.5°	186.0	170.0	158.0	145.3	133.4	124.0	115.5	108.7	82.4	64.6	54.4
30°	205.6	189.5	170.8	155.4	142.7	130.0	120.7	110.4	80.7	62.0	51.0
32.5°	234.5	211.5	189.5	170.8	152.9	138.5	124.9	114.7	79.9	57.8	47.5
35°	276.1	244.7	218.3	193.7	169.1	151.3	135.1	121.5	79.0	54.4	44.2
37.5°	335.6	298.2	264.3	229.4	198.8	173.3	151.3	133.4	79.0	51.8	40.7
40°	399.4	350.9	307.5	264.3	225.1	192.8	163.2	141.0	77.3	48.5	37.4
42.5°	471.5	412.1	352.6	299.1	250.6	209.0	174.1	147.0	73.0	45.0	34.0
45°	568.4	490.2	418.9	350.0	287.2	232.8	188.7	153.8	68.8	42.5	30.6
47.5°	689.9	599.0	506.4	419.7	337.3	268.5	209.9	164.8	66.2	39.1	28.0
50°	870.9	741.8	619.4	508.9	404.5	314.3	241.3	180.9	63.7	36.6	25.5
52.5°	1069.7	910.8	767.3	625.3	495.4	376.4	277.9	202.2	61.2	34.0	23.0
55°	1311.8	1116.4	941.4	757.0	590.5	448.6	322.9	226.0	57.8	31.4	21.2
57.5°	1610.9	1363.6	1156.4	931.2	722.1	542.0	383.2	266.0	54.4	28.0	18.7
60°	1944.8	1665.3	1404.5	1140.2	887.0	666.1	472.4	322.9	51.0	24.7	16.2
62.5°	2185.2	1878.5	1580.3	1283.8	1006.0	758.7	544.7	367.1	45.9	21.2	14.4
65°	2182.7	1871.7	1571.8	1279.5	1009.4	762.1	547.2	375.5	40.7	18.7	12.7
67.5°	1944.8	1683.1	1415.5	1152.9	916.7	693.3	506.4	348.4	34.8	17.0	11.1
70°	1599.8	1391.7	1180.1	972.0	782.5	593.9	437.6	303.4	29.8	15.3	9.3
72.5°	1168.3	1016.2	887.0	740.0	610.9	469.0	349.2	237.9	23.8	12.7	8.5
75°	580.3	519.2	445.2	399.4	340.7	278.7	216.7	138.5	19.5	10.2	7.6
77.5°	110.4	98.5	94.3	81.6	74.8	66.2	58.6	41.7	15.3	7.6	6.8
80°	51.0	46.7	42.5	38.2	34.0	28.9	25.5	22.0	11.9	6.0	7.6
82.5°	39.9	36.6	32.3	28.9	25.5	22.0	18.7	16.2	7.6	5.1	7.6
85°	26.3	23.0	20.4	17.9	15.3	13.6	11.9	10.2	5.1	5.1	5.1
87.5°	7.6	7.6	6.8	6.8	6.0	6.0	5.1	5.1	4.3	4.3	4.3
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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	102.8	98.5	96.8	96.0	96.0	96.8	96.0
5°	90.9	86.7	84.9	83.3	83.3	83.3	84.1
7.5°	83.3	79.0	76.5	75.6	74.8	75.6	75.6
10°	76.5	73.0	69.7	68.0	68.0	68.0	68.0
12.5°	71.3	67.2	63.7	62.9	62.0	62.0	62.0
15°	67.2	62.0	59.4	57.8	56.9	56.9	57.8
17.5°	62.0	57.8	54.4	53.5	53.5	53.5	53.5
20°	58.6	53.5	51.0	49.3	49.3	49.3	49.3
22.5°	54.4	50.1	46.7	45.0	45.0	45.0	45.0
25°	51.0	46.7	43.3	41.7	41.7	41.7	41.7
27.5°	47.5	43.3	39.9	38.2	38.2	38.2	38.2
30°	44.2	39.9	36.6	34.8	34.8	34.8	34.8
32.5°	41.7	36.6	33.1	31.4	31.4	32.3	31.4
35°	37.4	33.1	29.8	28.0	28.0	28.0	28.0
37.5°	34.0	29.8	26.3	24.7	24.7	24.7	23.8
40°	31.4	26.3	23.0	21.2	20.4	20.4	20.4
42.5°	27.2	22.0	19.5	17.9	17.0	17.0	17.0
45°	24.7	19.5	16.2	14.4	14.4	14.4	14.4
47.5°	22.0	17.0	13.6	11.9	11.9	12.7	12.7
50°	19.5	14.4	11.1	11.1	11.1	11.9	11.9
52.5°	17.0	12.7	10.2	10.2	11.1	11.9	11.9
55°	15.3	11.1	9.3	10.2	11.1	11.9	11.9
57.5°	13.6	9.3	9.3	10.2	11.1	11.9	11.9
60°	11.9	8.5	8.5	9.3	11.1	11.9	11.9
62.5°	10.2	8.5	8.5	9.3	11.1	11.9	11.9
65°	9.3	8.5	8.5	9.3	11.1	11.9	11.9
67.5°	8.5	7.6	8.5	9.3	10.2	11.1	11.1
70°	7.6	7.6	8.5	9.3	10.2	11.1	11.1
72.5°	7.6	7.6	7.6	8.5	9.3	10.2	10.2
75°	7.6	7.6	7.6	8.5	9.3	10.2	10.2
77.5°	7.6	6.8	6.8	7.6	9.3	10.2	10.2
80°	7.6	6.8	6.8	7.6	8.5	10.2	10.2
82.5°	6.0	6.0	6.8	7.6	8.5	9.3	9.3
85°	5.1	6.0	6.0	6.8	7.6	9.3	9.3
87.5°	4.3	4.3	5.1	6.0	6.8	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)