

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: P180613

Luminaire Tested: **ICM-F06-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180613
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
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-SL3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7988.8 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - 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

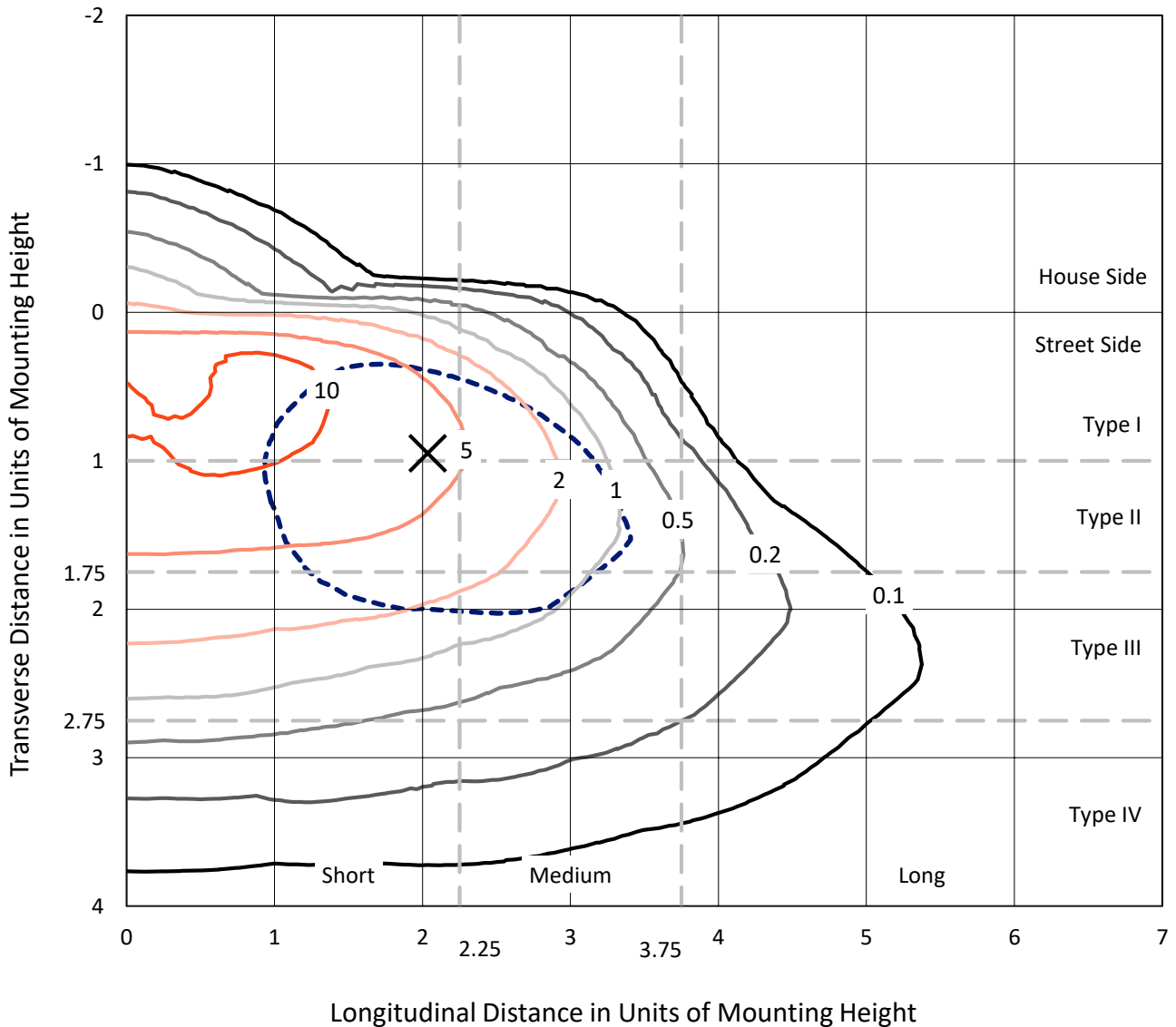


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

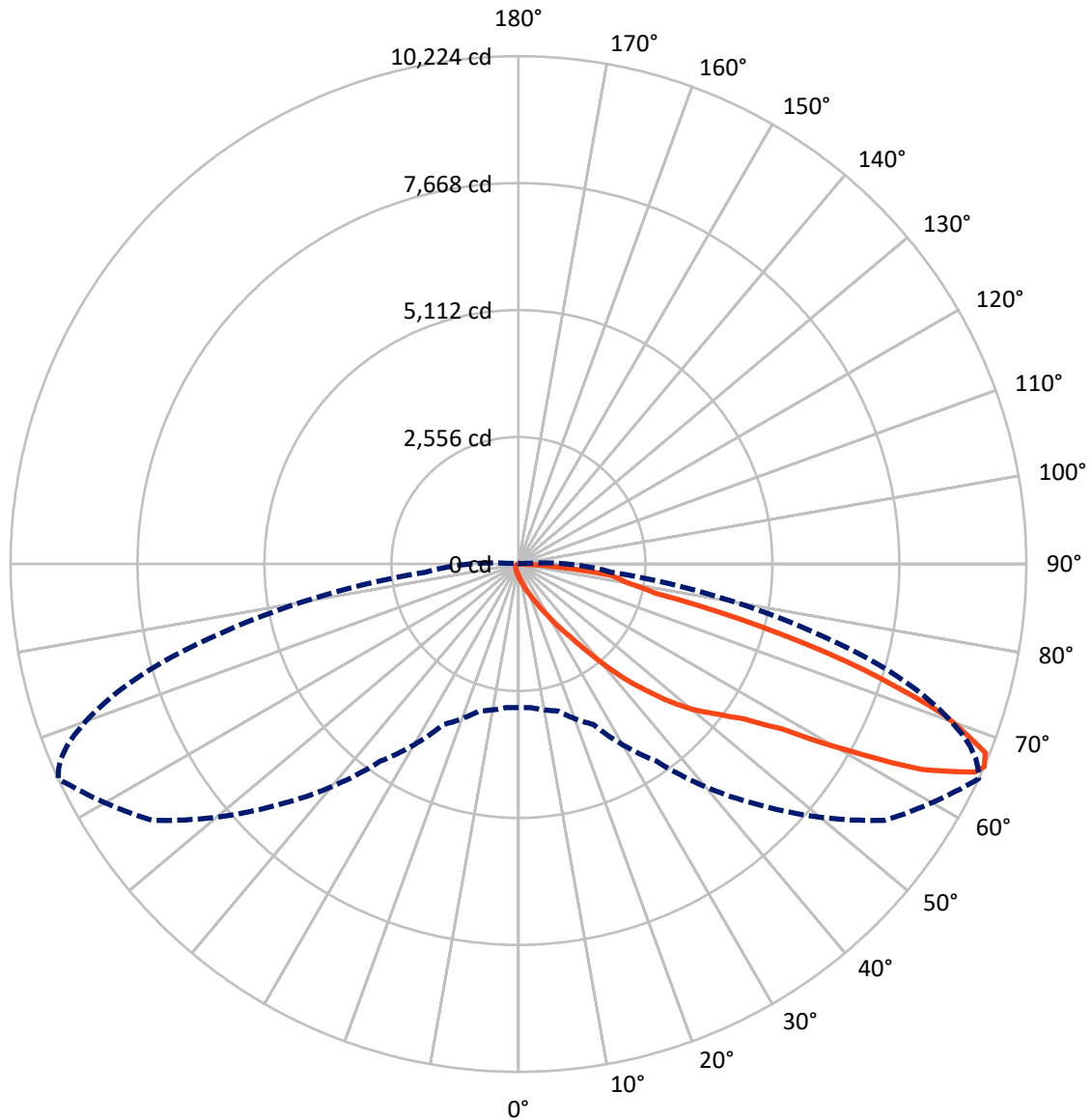


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	173.1	0.0	173.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	7815.7	0.0	7815.7
	% Fixture	97.8	0.0	97.8
Total	Lumens	7988.8	0.0	7988.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.3
10°-20°	114.5	1.4
20°-30°	246.9	3.1
30°-40°	527.2	6.6
40°-50°	1165.9	14.6
50°-60°	1975.8	24.7
60°-70°	2636.5	33.0
70°-80°	1161.4	14.5
80°-90°	133.8	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°	7988.8	100.0
0°-180°	7988.8	100.0

Coefficient of Utilization



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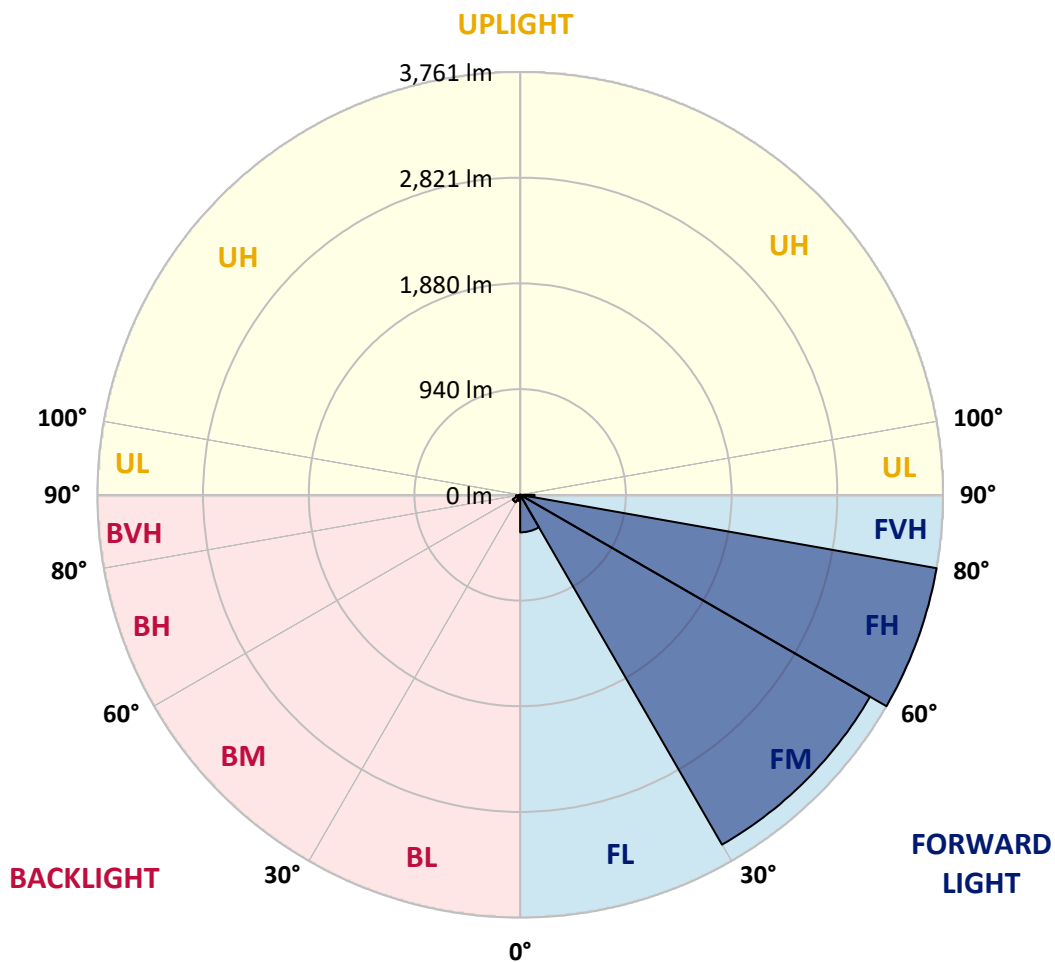
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.7	4.2			
FM	(30°-60°)	3592.8	45.0			
FH	(60°-80°)	3760.7	47.1			G2/5000
FVH	(80°-90°)	128.4	1.6			G2/225
BL	(0°-30°)	54.6	0.7	B0/110		
BM	(30°-60°)	76.0	1.0	B0/220		
BH	(60°-80°)	37.2	0.5	B0/110		G0/110
BVH	(80°-90°)	5.3	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°	65°	66°	67°	68°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	304.1	302.6	296.5	296.5	287.2	281.0	273.4	265.7	265.7	264.2	262.6
5°	402.4	393.2	391.6	374.8	360.9	340.9	322.5	298.0	294.9	291.8	290.2
7.5°	511.4	509.9	496.1	476.1	448.5	411.6	374.8	334.8	328.7	325.6	319.4
10°	652.7	645.0	626.6	592.8	551.4	502.2	442.3	379.4	371.7	365.5	362.4
12.5°	787.9	774.1	763.4	720.3	668.1	595.9	523.7	433.1	427.0	419.3	407.0
15°	913.9	901.6	883.2	846.2	787.9	697.3	612.8	502.2	486.9	476.1	466.9
17.5°	1012.1	1004.5	983.0	941.5	878.5	798.6	697.3	572.8	560.6	546.8	529.9
20°	1105.9	1095.1	1061.3	1004.5	936.8	875.4	797.1	665.0	648.1	631.3	612.8
22.5°	1194.9	1184.2	1128.8	1035.2	963.0	936.8	909.2	769.5	743.4	729.5	711.1
25°	1319.4	1296.3	1210.2	1061.3	964.6	984.5	1032.1	904.7	880.1	860.1	830.9
27.5°	1486.7	1456.0	1320.8	1099.7	970.7	1036.8	1173.4	1068.9	1042.9	1019.8	987.5
30°	1675.6	1655.6	1494.4	1191.8	1015.2	1113.5	1331.6	1277.9	1247.2	1219.4	1181.1
32.5°	1866.1	1838.4	1678.7	1366.9	1135.0	1262.5	1529.7	1520.5	1480.6	1454.4	1413.0
35°	2033.5	2019.6	1901.4	1654.1	1408.4	1523.5	1793.9	1804.7	1769.3	1741.7	1695.6
37.5°	2147.2	2147.2	2124.1	1962.8	1843.1	1929.0	2182.4	2184.0	2148.7	2085.7	2062.7
40°	2205.5	2222.4	2305.3	2336.0	2329.9	2440.5	2692.4	2664.8	2635.6	2603.3	2526.5
42.5°	2325.3	2340.7	2517.3	2729.2	2867.5	3013.4	3186.9	3177.7	3142.3	3084.0	3013.4
45°	2528.0	2548.0	2758.4	3094.8	3378.9	3586.3	3696.9	3653.8	3618.5	3563.2	3526.3
47.5°	2786.1	2824.5	3062.5	3478.7	3821.2	4163.7	4278.9	4165.2	4134.5	4091.6	4031.7
50°	3060.9	3097.9	3351.3	3827.4	4214.4	4623.0	4814.9	4623.0	4578.4	4564.6	4497.1
52.5°	3299.1	3329.8	3574.0	4096.1	4515.5	4994.6	5274.2	5020.8	4988.5	4942.4	4893.2
55°	3440.4	3465.0	3693.8	4225.1	4719.7	5329.4	5718.1	5495.4	5447.8	5429.3	5358.6
57.5°	3487.9	3512.6	3718.3	4242.1	4830.4	5635.1	6257.2	6264.8	6207.9	6141.9	6120.4
60°	3487.9	3515.6	3689.1	4200.6	4937.8	5960.7	6975.9	7616.4	7493.5	7481.3	7402.9
62.5°	3343.6	3369.7	3544.8	4073.1	5082.2	6399.9	7977.4	9107.7	9072.4	8992.5	8863.5
65°	3030.3	3045.6	3217.6	3747.6	5026.9	6803.9	8845.1	10099.9	10043.0	9886.4	9720.5
66°	2888.9	2901.2	3062.5	3561.7	4845.7	6859.2	8998.7	10224.2	10130.6	9998.5	9811.1
67.5°	2684.7	2706.2	2819.8	3216.1	4411.0	6667.2	8901.9	10136.7	10055.3	9895.6	9708.2
70°	1792.4	1777.0	2177.9	2468.1	3360.5	5432.4	7986.6	9101.5	9103.1	9027.9	8952.6
72.5°	850.9	860.1	976.8	1519.0	2199.4	3629.2	6357.0	7264.7	7369.1	7233.9	7140.2
75°	611.3	625.1	695.7	929.2	1311.6	2177.9	4120.8	5080.7	5083.8	4844.1	4630.6
77.5°	178.1	185.9	261.1	572.8	983.0	1469.9	2366.8	2824.5	2758.4	2586.4	2425.1
80°	73.8	73.8	76.8	182.8	394.7	998.3	1655.6	2174.8	2167.1	2101.0	2005.9
82.5°	27.6	29.2	36.8	75.3	93.7	245.8	1104.3	1887.5	1883.0	1789.3	1721.7
85°	3.1	3.1	9.2	32.3	35.3	46.0	221.2	832.5	827.8	832.5	729.5
87.5°	0.0	0.0	1.6	3.1	4.7	6.1	9.2	32.3	35.3	33.8	30.7
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	262.6	259.5	259.5	258.0	258.0	258.0	256.5	255.0	255.0	253.4	251.9
5°	287.2	284.1	282.6	279.5	278.0	276.5	273.4	271.8	268.7	267.3	265.7
7.5°	316.4	310.2	308.7	304.1	299.5	296.5	293.4	288.7	285.7	279.5	278.0
10°	353.2	345.6	339.4	333.3	328.7	321.0	316.4	310.2	304.1	299.5	294.9
12.5°	400.8	390.1	380.9	374.8	364.0	354.8	345.6	340.9	328.7	322.5	314.9
15°	453.1	440.8	430.0	417.8	410.0	394.7	382.4	368.7	362.4	351.7	339.4
17.5°	520.7	500.7	483.8	471.5	456.2	440.8	427.0	413.1	394.7	382.4	367.1
20°	592.8	575.9	552.9	531.4	513.0	494.5	474.6	456.2	439.3	419.3	400.8
22.5°	685.0	660.5	632.7	611.3	586.7	566.7	539.1	514.5	486.9	460.7	439.3
25°	801.7	769.5	743.4	712.7	683.4	652.7	619.0	588.3	552.9	528.4	491.4
27.5°	946.1	915.4	880.1	840.1	811.0	764.8	720.3	682.0	640.5	602.1	560.6
30°	1130.4	1085.9	1049.0	1010.6	952.3	907.7	855.4	803.3	746.4	708.0	645.0
32.5°	1351.5	1303.9	1248.7	1193.4	1139.6	1076.7	1012.1	947.6	884.7	814.1	749.5
35°	1621.9	1565.0	1502.1	1442.1	1359.3	1291.6	1210.2	1121.2	1050.5	969.1	887.7
37.5°	1979.7	1886.1	1830.8	1767.8	1655.6	1563.5	1472.9	1383.8	1259.4	1173.4	1058.2
40°	2428.2	2372.9	2282.3	2180.9	2079.5	1958.2	1835.4	1717.1	1572.8	1452.9	1319.4
42.5°	2955.0	2873.6	2781.5	2635.6	2532.7	2389.8	2250.1	2093.4	1916.8	1763.2	1606.5
45°	3449.6	3352.8	3282.2	3136.2	3028.8	2859.8	2690.8	2524.9	2320.7	2122.6	1941.3
47.5°	3984.0	3904.2	3787.5	3669.2	3560.1	3369.7	3186.9	2985.7	2770.7	2535.7	2300.8
50°	4454.0	4391.1	4311.2	4168.3	4047.0	3887.3	3672.3	3452.7	3180.8	2947.4	2680.1
52.5°	4853.3	4804.2	4692.1	4590.7	4481.7	4331.2	4139.2	3928.8	3635.4	3378.9	3074.8
55°	5324.9	5289.5	5191.2	5128.3	5031.5	4887.1	4707.5	4512.4	4202.2	3922.6	3578.5
57.5°	6097.4	6069.7	5983.8	5957.6	5862.5	5736.5	5515.3	5306.5	4943.9	4596.9	4203.7
60°	7376.8	7321.5	7195.6	7131.0	6929.8	6760.9	6473.7	6186.5	5748.8	5306.5	4833.4
62.5°	8746.8	8591.7	8352.1	8146.3	7860.6	7567.2	7183.3	6744.0	6231.0	5705.8	5162.1
65°	9485.5	9221.4	8918.8	8591.7	8221.5	7789.9	7306.1	6779.3	6227.9	5673.5	5099.1
66°	9570.0	9272.1	8951.0	8587.0	8175.4	7716.2	7224.7	6671.9	6098.9	5558.3	4983.9
67.5°	9464.1	9152.2	8812.8	8408.9	7963.5	7487.4	6971.3	6396.9	5845.5	5297.2	4738.2
70°	8722.2	8412.0	8109.4	7684.0	7209.3	6730.2	6241.8	5599.8	5077.6	4573.8	4076.2
72.5°	6965.2	6754.7	6455.3	6091.3	5629.0	5066.8	4659.8	4085.4	3632.3	3143.9	2758.4
75°	4352.7	4056.2	3686.1	3222.3	2869.0	2412.9	2174.8	1738.6	1480.6	1254.8	1036.8
77.5°	2225.5	2002.8	1743.2	1482.1	1231.7	983.0	760.3	537.6	362.4	251.9	187.3
80°	1838.4	1641.9	1426.8	1188.8	967.6	751.1	540.7	368.7	235.0	153.6	119.8
82.5°	1519.0	1353.1	1161.1	939.9	748.0	589.8	410.0	267.3	165.9	107.5	84.5
85°	646.6	586.7	453.1	359.4	270.3	199.6	139.7	93.7	66.0	53.8	49.1
87.5°	27.6	30.7	29.2	23.1	16.9	16.9	15.3	12.3	12.3	12.3	12.3
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
2.5°	251.9	250.3	248.8	248.8	247.3	245.8	236.6	228.8	219.6	213.5	207.4
5°	262.6	261.1	258.0	256.5	253.4	251.9	231.9	215.0	201.2	190.4	182.8
7.5°	273.4	271.8	267.3	262.6	261.1	258.0	225.8	204.3	185.9	173.6	165.9
10°	287.2	282.6	278.0	271.8	267.3	262.6	219.6	192.0	172.0	161.3	153.6
12.5°	307.2	299.5	291.8	284.1	278.0	270.3	216.6	181.2	161.3	149.0	141.3
15°	330.2	319.4	310.2	301.0	290.2	282.6	210.4	172.0	152.1	139.7	130.5
17.5°	351.7	339.4	325.6	311.8	301.0	290.2	204.3	162.8	142.8	130.5	121.3
20°	382.4	364.0	347.1	330.2	314.9	301.0	195.1	153.6	135.2	121.3	112.1
22.5°	416.2	394.7	373.2	350.1	330.2	311.8	187.3	145.9	127.4	113.7	102.9
25°	459.3	433.1	403.9	374.8	351.7	327.2	179.7	138.2	119.8	106.0	95.3
27.5°	519.2	482.2	450.0	413.1	377.9	350.1	173.6	132.1	112.1	98.3	87.5
30°	600.6	546.8	496.1	456.2	414.7	374.8	167.4	124.4	106.0	90.6	78.3
32.5°	691.2	628.2	569.8	509.9	457.7	411.6	161.3	118.2	98.3	83.0	72.2
35°	803.3	723.4	645.0	575.9	513.0	451.5	155.2	112.1	92.2	75.3	64.5
37.5°	964.6	864.7	761.8	672.7	591.4	509.9	150.5	106.0	84.5	67.5	56.8
40°	1185.7	1056.7	930.7	809.4	703.4	602.1	144.4	99.8	78.3	61.4	50.7
42.5°	1425.3	1268.7	1102.8	966.1	820.2	692.7	138.2	93.7	72.2	55.3	44.6
45°	1723.3	1528.2	1327.0	1141.1	963.0	798.6	132.1	87.5	64.5	49.1	38.4
47.5°	2048.8	1800.0	1572.8	1339.3	1127.4	930.7	124.4	83.0	58.3	43.0	33.8
50°	2383.6	2121.0	1833.9	1568.1	1316.2	1062.8	116.7	75.3	52.2	38.4	27.6
52.5°	2744.6	2434.3	2141.0	1810.8	1517.4	1236.4	109.0	69.1	47.6	33.8	23.1
55°	3203.8	2856.8	2512.7	2142.5	1789.3	1437.6	101.4	61.4	41.5	29.2	18.4
57.5°	3781.3	3369.7	2947.4	2529.6	2101.0	1701.8	95.3	53.8	35.3	24.6	15.3
60°	4326.5	3845.8	3334.3	2853.7	2369.9	1904.5	86.0	47.6	30.7	20.0	15.3
62.5°	4609.1	4060.9	3509.4	2979.6	2463.5	1976.7	76.8	39.9	26.1	16.9	13.9
65°	4540.0	3981.0	3446.5	2912.0	2406.7	1930.6	67.5	35.3	23.1	15.3	13.9
66°	4440.2	3887.3	3349.7	2841.3	2359.1	1881.4	63.0	33.8	21.5	15.3	12.3
67.5°	4222.1	3687.7	3174.6	2701.6	2228.6	1787.7	56.8	30.7	20.0	13.9	12.3
70°	3606.3	3120.9	2710.8	2290.0	1904.5	1506.7	46.0	26.1	16.9	12.3	12.3
72.5°	2386.7	2056.6	1783.2	1534.3	1282.4	995.3	38.4	21.5	13.9	12.3	10.8
75°	900.0	814.1	698.8	628.2	548.3	480.7	30.7	13.9	10.8	10.8	10.8
77.5°	159.7	147.4	130.5	119.8	110.6	101.4	24.6	9.2	9.2	10.8	10.8
80°	107.5	99.8	90.6	83.0	76.8	69.1	16.9	7.7	9.2	9.2	10.8
82.5°	76.8	72.2	67.5	61.4	56.8	50.7	10.8	7.7	9.2	9.2	9.2
85°	46.0	43.0	39.9	36.8	32.3	30.7	7.7	7.7	7.7	9.2	9.2
87.5°	12.3	10.8	12.3	12.3	9.2	10.8	6.1	6.1	6.1	7.7	7.7
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):

	145°	155°	165°	175°	180°
0°	241.1	241.1	241.1	241.1	241.1
2.5°	204.3	204.3	201.2	205.8	205.8
5°	176.7	176.7	175.1	176.7	176.7
7.5°	161.3	159.7	159.7	159.7	161.3
10°	147.4	145.9	145.9	145.9	145.9
12.5°	135.2	133.6	132.1	133.6	133.6
15°	124.4	121.3	121.3	121.3	121.3
17.5°	115.2	112.1	110.6	110.6	110.6
20°	106.0	101.4	101.4	101.4	101.4
22.5°	96.7	92.2	92.2	92.2	92.2
25°	87.5	83.0	83.0	83.0	83.0
27.5°	79.9	75.3	75.3	75.3	75.3
30°	70.6	67.5	67.5	69.1	67.5
32.5°	64.5	59.9	59.9	61.4	61.4
35°	56.8	53.8	53.8	53.8	53.8
37.5°	49.1	46.0	46.0	46.0	46.0
40°	43.0	39.9	38.4	39.9	39.9
42.5°	36.8	33.8	32.3	32.3	32.3
45°	32.3	27.6	26.1	27.6	27.6
47.5°	26.1	23.1	23.1	24.6	24.6
50°	20.0	20.0	21.5	24.6	24.6
52.5°	18.4	18.4	21.5	24.6	24.6
55°	16.9	18.4	21.5	23.1	24.6
57.5°	15.3	18.4	21.5	23.1	23.1
60°	15.3	16.9	20.0	23.1	23.1
62.5°	13.9	15.3	18.4	21.5	21.5
65°	13.9	15.3	18.4	21.5	21.5
66°	13.9	15.3	18.4	21.5	21.5
67.5°	13.9	15.3	18.4	21.5	21.5
70°	13.9	15.3	18.4	20.0	20.0
72.5°	12.3	13.9	16.9	20.0	20.0
75°	12.3	13.9	16.9	20.0	20.0
77.5°	12.3	13.9	16.9	20.0	20.0
80°	12.3	13.9	16.9	18.4	20.0
82.5°	10.8	13.9	15.3	18.4	18.4
85°	10.8	12.3	15.3	16.9	18.4
87.5°	9.2	10.8	12.3	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)