

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: P180813

Luminaire Tested: **ICM-F06-LED-E1-SL4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180813
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
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-SL4-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 9375.6 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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

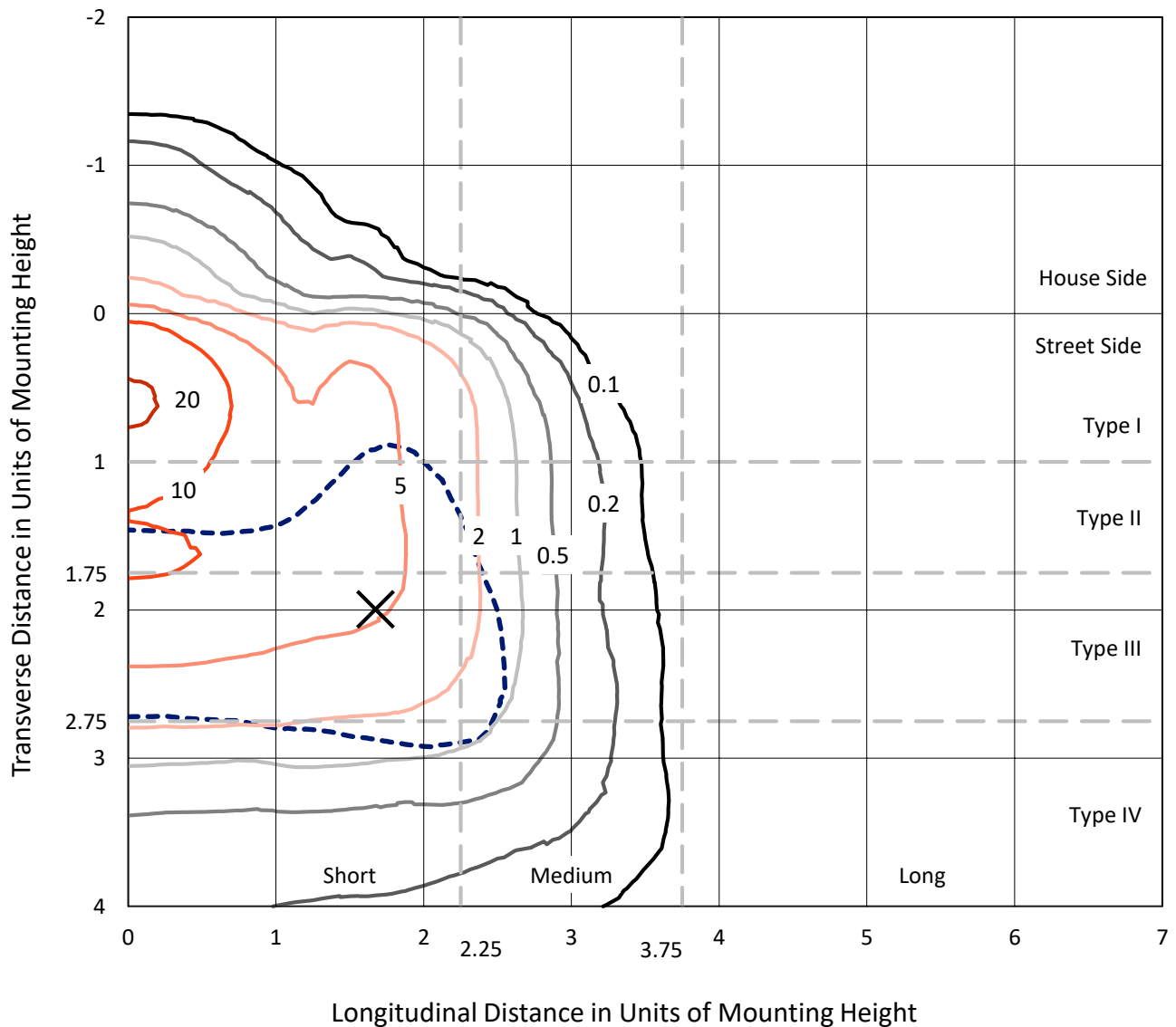


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

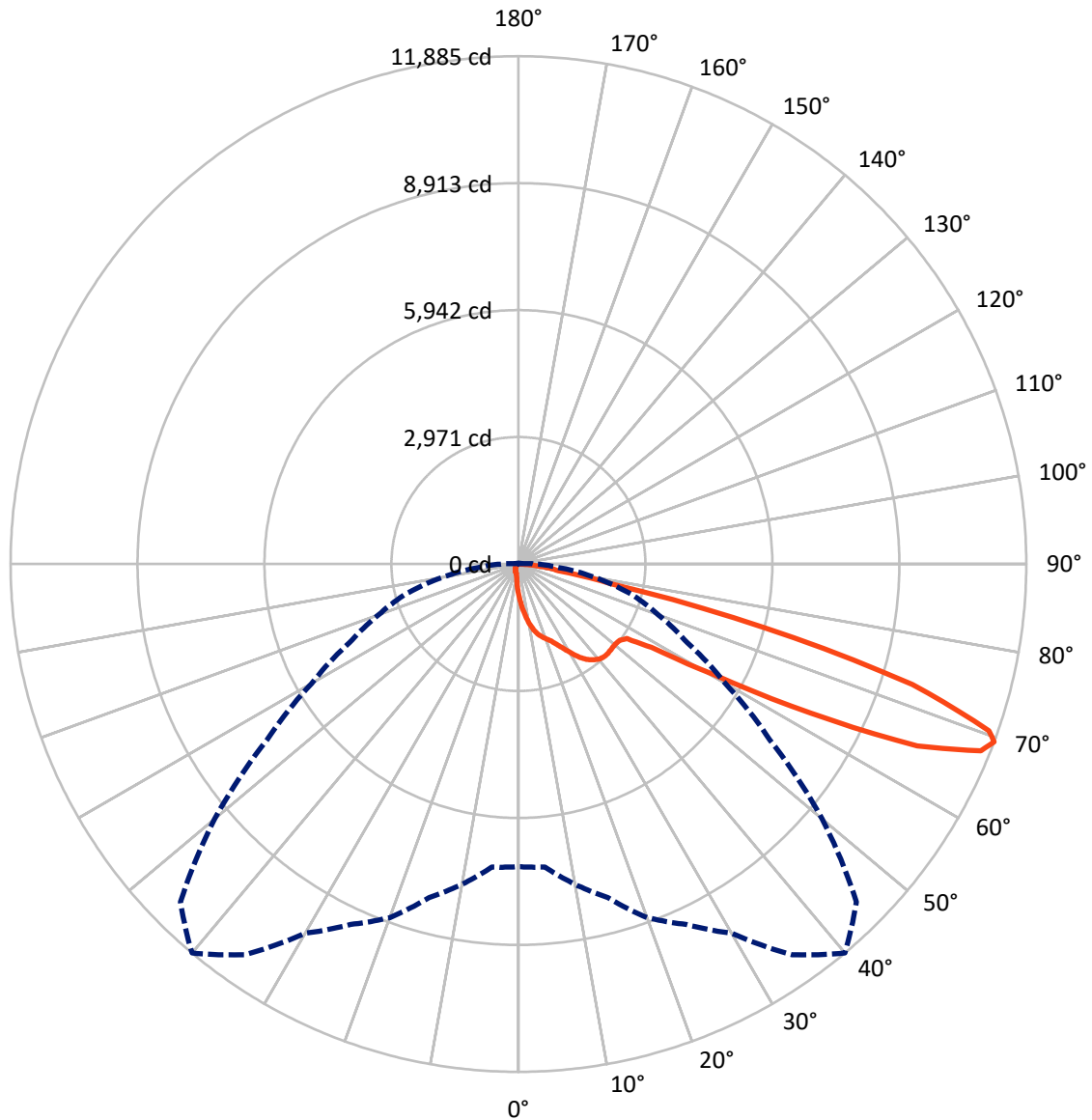


Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.2	0.0	279.2
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	9096.4	0.0	9096.4
	% Fixture	97.0	0.0	97.0
Total	Lumens	9375.6	0.0	9375.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	0.8
10°-20°	250.9	2.7
20°-30°	480.2	5.1
30°-40°	798.6	8.5
40°-50°	1080.7	11.5
50°-60°	1690.1	18.0
60°-70°	3474.8	37.1
70°-80°	1398.2	14.9
80°-90°	129.3	1.4
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°	9375.6	100.0
0°-180°	9375.6	100.0



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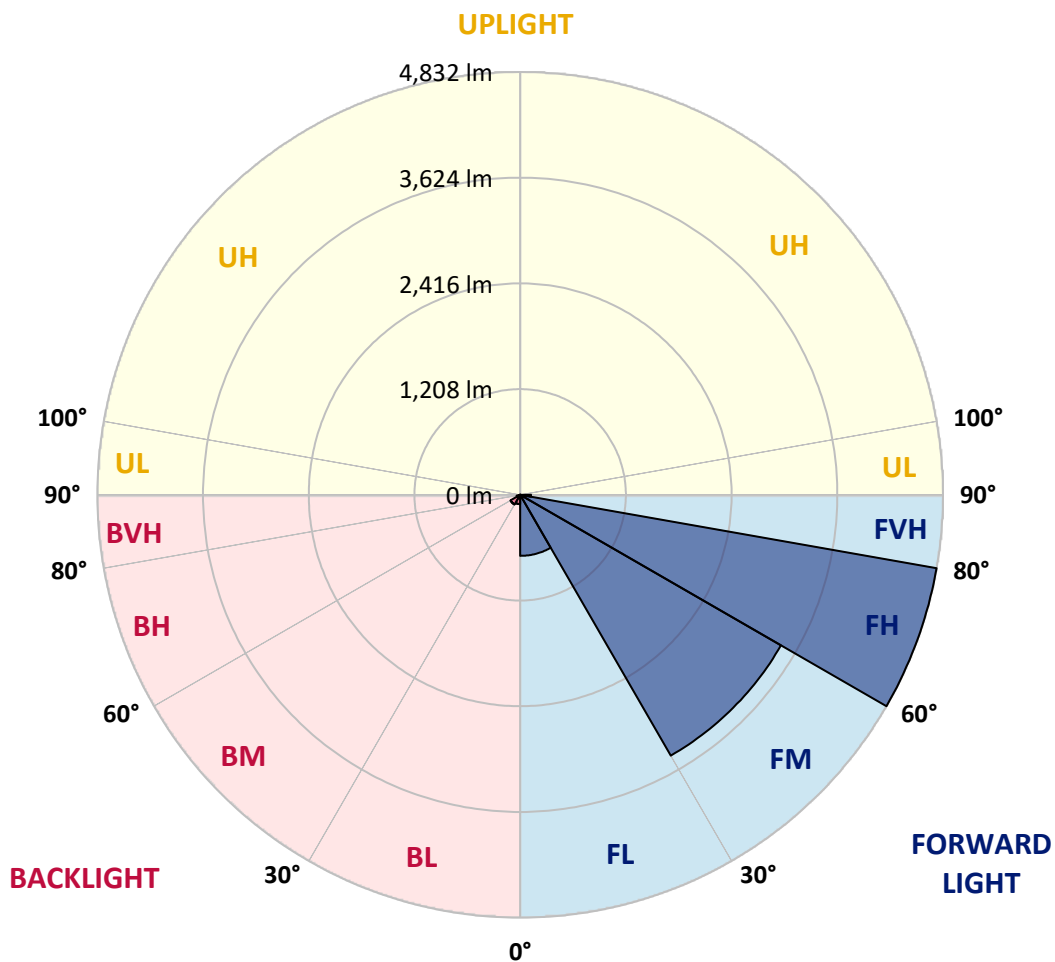
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.7	7.4			
FM (30°-60°)	3441.9	36.7			
FH (60°-80°)	4832.2	51.5			G2/5000
FVH (80°-90°)	124.5	1.3			G2/225
BL (0°-30°)	106.2	1.1	B0/110		
BM (30°-60°)	127.5	1.4	B0/220		
BH (60°-80°)	40.7	0.4	B0/110		G0/110
BVH (80°-90°)	4.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0
2.5°	944.6	933.8	921.5	921.5	906.1	906.1	896.9	872.4	869.3	855.4	841.7
5°	1205.7	1196.5	1181.1	1167.3	1155.0	1133.5	1118.1	1088.9	1056.7	1026.0	998.3
7.5°	1460.6	1456.0	1428.4	1423.7	1403.8	1368.5	1337.8	1294.7	1239.4	1196.5	1145.8
10°	1697.1	1686.4	1680.2	1654.1	1624.9	1586.5	1539.0	1486.7	1422.2	1354.6	1282.4
12.5°	1884.5	1878.3	1850.7	1840.0	1809.2	1770.9	1711.0	1643.4	1578.9	1491.4	1406.9
15°	2024.3	2013.5	1995.1	1978.2	1941.3	1907.5	1852.3	1778.5	1700.2	1604.9	1503.6
17.5°	2141.0	2121.0	2116.4	2090.3	2051.9	2012.0	1950.5	1883.0	1790.8	1695.6	1585.0
20°	2297.7	2270.1	2260.8	2222.4	2177.9	2122.6	2051.9	1967.5	1870.7	1766.2	1652.6
22.5°	2482.0	2462.0	2442.1	2408.2	2351.5	2273.1	2170.2	2078.1	1955.2	1840.0	1717.1
25°	2743.1	2726.2	2693.9	2647.8	2577.2	2483.5	2359.1	2223.9	2079.5	1932.1	1787.7
27.5°	2996.5	2981.1	2958.1	2922.7	2842.9	2740.0	2586.4	2414.4	2231.6	2053.5	1893.7
30°	3234.5	3220.8	3197.7	3162.3	3091.7	2990.3	2816.8	2632.5	2405.1	2197.9	2005.9
32.5°	3491.0	3486.4	3460.3	3409.6	3348.2	3211.5	3022.6	2824.5	2594.1	2354.5	2130.2
35°	3781.3	3746.0	3721.4	3670.7	3566.3	3420.4	3199.2	2982.6	2740.0	2494.2	2243.9
37.5°	4027.1	3993.2	3962.5	3898.1	3770.5	3584.8	3334.3	3096.3	2846.0	2595.6	2340.7
40°	4206.7	4189.9	4153.0	4068.5	3925.7	3704.5	3434.2	3174.6	2922.7	2670.9	2419.0
42.5°	4340.4	4314.3	4272.8	4185.2	4016.3	3764.4	3474.2	3206.9	2958.1	2716.9	2469.7
45°	4389.5	4368.0	4329.6	4234.4	4051.7	3781.3	3472.6	3197.7	2959.6	2730.8	2503.5
47.5°	4360.3	4338.8	4305.0	4215.9	4036.3	3761.3	3445.0	3171.6	2944.3	2735.4	2534.2
50°	4263.6	4251.3	4225.1	4149.9	3988.7	3722.9	3420.4	3157.8	2941.2	2758.4	2577.2
52.5°	4254.4	4246.7	4214.4	4139.2	3974.8	3710.6	3417.3	3165.4	2967.3	2787.6	2607.9
55°	5198.9	5089.9	4845.7	4638.4	4297.3	3891.9	3572.4	3289.8	3077.9	2902.8	2776.9
57.5°	7389.1	7226.3	6905.3	6510.6	5727.3	4957.8	4341.9	3896.5	3676.9	3597.0	3644.6
60°	8415.0	8385.8	8335.1	8147.8	7746.9	7085.0	6347.8	5550.6	5231.2	5203.6	5300.3
62.5°	8901.9	8883.5	8898.8	8875.8	8751.4	8557.8	8345.9	8001.9	7685.5	7481.3	7048.1
65°	9126.1	9138.4	9226.0	9295.1	9310.5	9361.1	9516.2	9944.7	10258.1	9731.3	8528.7
67.5°	8556.3	8628.5	8829.7	9081.6	9376.5	9662.2	10122.9	11026.0	11669.6	11050.6	9342.7
69°	7083.4	7118.7	7610.3	8084.8	8805.2	9308.9	9977.0	11161.2	11884.5	11185.7	9278.2
70°	5576.8	5609.0	6135.8	6780.9	7998.8	8646.9	9520.9	10932.3	11683.3	11006.0	8946.5
72.5°	2515.7	2469.7	2655.6	3001.1	4325.0	5354.1	6882.3	8857.4	9639.1	8817.4	6693.3
75°	1757.0	1737.0	1757.0	1758.6	1964.4	2534.2	3197.7	4801.1	5937.7	5123.7	3197.7
77.5°	1360.8	1347.0	1333.1	1317.8	1342.3	1503.6	1568.1	1703.3	2211.6	2091.8	1219.4
80°	1076.7	1064.4	1098.1	1087.4	1087.4	1105.9	1093.5	1042.9	947.6	878.5	786.3
82.5°	500.7	503.7	503.7	546.8	658.9	769.5	804.8	754.1	669.7	569.8	459.3
85°	47.6	53.8	90.6	139.7	278.0	313.3	314.9	261.1	261.1	205.8	165.9
87.5°	0.0	1.6	1.6	1.6	13.9	38.4	32.3	9.2	4.7	4.7	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0
2.5°	817.1	812.5	794.1	775.6	758.7	740.3	723.4	706.5	688.1	674.2	657.3
5°	955.4	921.5	883.2	846.2	809.4	771.0	731.1	695.7	658.9	625.1	592.8
7.5°	1095.1	1029.0	976.8	910.8	850.9	791.0	735.7	678.9	626.6	577.5	531.4
10°	1213.3	1133.5	1052.1	967.6	881.6	801.7	724.9	657.3	588.3	528.4	471.5
12.5°	1310.1	1208.8	1108.9	1002.9	906.1	804.8	709.6	628.2	546.8	479.2	420.8
15°	1397.7	1280.9	1161.1	1038.2	915.4	800.2	694.2	592.8	509.9	433.1	367.1
17.5°	1468.3	1334.7	1199.5	1061.3	929.2	794.1	674.2	568.3	471.5	391.6	327.2
20°	1529.7	1390.0	1244.1	1088.9	938.4	792.5	657.3	537.6	437.7	353.2	290.2
22.5°	1586.5	1446.8	1290.1	1124.3	952.3	791.0	642.0	514.5	408.6	324.1	261.1
25°	1651.1	1503.6	1339.3	1161.1	976.8	797.1	632.7	496.1	382.4	296.5	238.0
27.5°	1723.3	1568.1	1397.7	1207.2	1009.0	809.4	629.7	476.1	359.4	270.3	219.6
30°	1824.6	1644.9	1456.0	1253.3	1038.2	823.3	626.6	463.8	336.4	250.3	201.2
32.5°	1913.7	1720.2	1520.5	1300.8	1070.5	837.0	625.1	447.0	314.9	230.4	187.3
35°	2007.4	1789.3	1575.8	1347.0	1098.1	852.4	623.5	434.6	294.9	210.4	173.6
37.5°	2088.8	1847.6	1618.8	1386.9	1128.8	866.2	625.1	423.9	276.5	193.5	161.3
40°	2157.9	1907.5	1666.4	1423.7	1161.1	887.7	626.6	413.1	258.0	178.1	150.5
42.5°	2219.4	1964.4	1717.1	1465.2	1198.0	912.3	635.8	403.9	242.7	164.4	139.7
45°	2266.9	2016.6	1772.4	1523.5	1257.9	952.3	652.7	397.8	227.4	152.1	130.5
47.5°	2316.1	2093.4	1866.1	1615.7	1345.4	1015.2	682.0	396.3	215.0	142.8	122.9
50°	2383.6	2170.2	1949.0	1709.4	1425.3	1079.7	717.2	397.8	199.6	133.6	115.2
52.5°	2432.9	2248.5	2056.6	1872.2	1615.7	1276.3	854.0	425.4	192.0	126.0	106.0
55°	2723.1	2690.8	2695.5	2726.2	2528.0	2171.7	1428.4	614.3	225.8	142.8	104.5
57.5°	3839.7	3953.3	4019.4	4017.8	3690.7	3060.9	1918.3	789.4	251.9	165.9	124.4
60°	5307.9	5222.0	5100.6	4801.1	4366.4	3494.1	2145.6	849.3	218.0	132.1	113.7
62.5°	6605.8	6102.0	5655.1	5169.7	4599.9	3644.6	2191.6	844.7	190.4	99.8	79.9
65°	7415.2	6509.0	5787.2	5178.9	4507.7	3518.7	2073.4	775.6	161.3	81.4	66.0
67.5°	7608.7	6289.3	5268.0	4492.4	3766.0	2738.4	1522.1	583.6	126.0	67.5	58.3
69°	7186.4	5590.5	4365.0	3484.9	2740.0	1816.9	941.5	368.7	96.7	61.4	53.8
70°	6610.4	4862.5	3555.6	2796.9	2028.8	1276.3	658.9	259.5	78.3	56.8	49.1
72.5°	4252.9	2554.2	1747.8	1216.4	837.0	508.4	258.0	116.7	59.9	47.6	39.9
75°	1649.5	944.6	685.0	520.7	407.0	282.6	156.7	75.3	50.7	39.9	30.7
77.5°	812.5	622.1	508.4	348.7	202.7	126.0	84.5	58.3	41.5	29.2	20.0
80°	642.0	427.0	255.0	158.2	119.8	90.6	64.5	47.6	30.7	18.4	13.9
82.5°	328.7	179.7	132.1	107.5	89.1	70.6	52.2	33.8	20.0	12.3	10.8
85°	102.9	75.3	67.5	66.0	61.4	50.7	36.8	21.5	12.3	7.7	7.7
87.5°	7.7	10.8	13.9	10.8	12.3	10.8	13.9	9.2	6.1	6.1	4.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0	708.0
2.5°	645.0	626.6	609.8	599.0	579.0	571.4	563.6	560.6	546.8	549.9	537.6
5°	563.6	531.4	506.8	482.2	459.3	442.3	428.5	411.6	397.8	391.6	379.4
7.5°	490.0	448.5	416.2	390.1	362.4	340.9	322.5	310.2	298.0	285.7	279.5
10°	425.4	380.9	344.0	318.0	291.8	273.4	259.5	250.3	242.7	238.0	236.6
12.5°	365.5	322.5	288.7	265.7	245.8	236.6	230.4	225.8	224.3	222.7	222.7
15°	319.4	276.5	250.3	233.5	224.3	219.6	218.0	215.0	211.9	210.4	210.4
17.5°	276.5	244.2	225.8	216.6	211.9	208.8	205.8	202.7	199.6	198.1	198.1
20°	247.3	221.2	211.9	205.8	201.2	198.1	193.5	190.4	188.9	187.3	185.9
22.5°	224.3	207.4	201.2	196.6	190.4	185.9	182.8	179.7	176.7	175.1	173.6
25°	207.4	196.6	192.0	185.9	179.7	175.1	170.5	165.9	162.8	161.3	158.2
27.5°	195.1	187.3	181.2	173.6	167.4	162.8	158.2	153.6	150.5	147.4	145.9
30°	184.3	176.7	168.9	162.8	155.2	150.5	144.4	139.7	138.2	135.2	132.1
32.5°	173.6	165.9	158.2	150.5	142.8	136.7	133.6	127.4	124.4	122.9	119.8
35°	161.3	153.6	144.4	138.2	130.5	124.4	119.8	115.2	112.1	109.0	107.5
37.5°	150.5	141.3	132.1	124.4	118.2	112.1	107.5	102.9	99.8	96.7	95.3
40°	138.2	129.0	119.8	112.1	106.0	101.4	96.7	92.2	89.1	87.5	87.5
42.5°	127.4	116.7	107.5	101.4	96.7	90.6	86.0	81.4	79.9	78.3	79.9
45°	116.7	106.0	98.3	92.2	87.5	81.4	76.8	73.8	72.2	73.8	75.3
47.5°	107.5	96.7	89.1	84.5	79.9	75.3	70.6	67.5	67.5	70.6	73.8
50°	98.3	87.5	81.4	78.3	73.8	69.1	63.0	61.4	63.0	66.0	69.1
52.5°	89.1	76.8	72.2	70.6	66.0	61.4	56.8	55.3	56.8	59.9	58.3
55°	79.9	67.5	66.0	64.5	59.9	53.8	49.1	49.1	49.1	47.6	44.6
57.5°	76.8	59.9	58.3	56.8	52.2	46.0	43.0	39.9	38.4	33.8	32.3
60°	79.9	53.8	53.8	50.7	46.0	39.9	35.3	30.7	27.6	24.6	24.6
62.5°	64.5	49.1	47.6	44.6	38.4	32.3	27.6	23.1	21.5	20.0	20.0
65°	52.2	44.6	41.5	36.8	32.3	26.1	21.5	18.4	16.9	16.9	18.4
67.5°	47.6	39.9	35.3	30.7	26.1	20.0	16.9	15.3	15.3	16.9	16.9
69°	44.6	36.8	32.3	27.6	23.1	18.4	15.3	15.3	15.3	15.3	16.9
70°	41.5	35.3	30.7	26.1	20.0	15.3	13.9	13.9	15.3	15.3	16.9
72.5°	32.3	27.6	26.1	21.5	15.3	13.9	12.3	13.9	13.9	15.3	15.3
75°	24.6	20.0	20.0	16.9	12.3	10.8	10.8	12.3	12.3	13.9	13.9
77.5°	16.9	13.9	13.9	12.3	10.8	9.2	9.2	10.8	12.3	12.3	13.9
80°	12.3	10.8	9.2	10.8	9.2	7.7	9.2	10.8	10.8	12.3	12.3
82.5°	9.2	9.2	9.2	9.2	7.7	7.7	9.2	9.2	10.8	12.3	12.3
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	9.2	9.2	10.8	10.8
87.5°	4.7	4.7	4.7	6.1	6.1	7.7	7.7	7.7	7.7	9.2	9.2
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):

	165°	170°	175°	180°
0°	708.0	708.0	708.0	708.0
2.5°	534.5	532.9	526.8	528.4
5°	374.8	365.5	371.7	370.1
7.5°	274.9	273.4	271.8	274.9
10°	235.0	235.0	233.5	235.0
12.5°	221.2	221.2	221.2	221.2
15°	210.4	210.4	208.8	208.8
17.5°	198.1	198.1	198.1	196.6
20°	185.9	184.3	184.3	184.3
22.5°	172.0	170.5	170.5	170.5
25°	158.2	156.7	156.7	156.7
27.5°	144.4	142.8	141.3	141.3
30°	130.5	129.0	127.4	127.4
32.5°	116.7	115.2	113.7	113.7
35°	104.5	104.5	102.9	101.4
37.5°	93.7	93.7	93.7	93.7
40°	86.0	87.5	87.5	87.5
42.5°	81.4	83.0	84.5	86.0
45°	78.3	81.4	83.0	83.0
47.5°	76.8	78.3	79.9	79.9
50°	70.6	69.1	69.1	69.1
52.5°	56.8	53.8	52.2	50.7
55°	41.5	39.9	36.8	36.8
57.5°	29.2	29.2	27.6	27.6
60°	23.1	23.1	21.5	23.1
62.5°	20.0	20.0	20.0	20.0
65°	18.4	18.4	18.4	18.4
67.5°	18.4	18.4	18.4	18.4
69°	16.9	16.9	16.9	16.9
70°	16.9	16.9	16.9	16.9
72.5°	15.3	15.3	15.3	15.3
75°	13.9	15.3	15.3	15.3
77.5°	13.9	13.9	13.9	13.9
80°	12.3	12.3	13.9	13.9
82.5°	12.3	12.3	12.3	12.3
85°	10.8	10.8	12.3	12.3
87.5°	9.2	9.2	10.8	10.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)