

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: P180402

Luminaire Tested: **ICM-F05-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180402
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F05-LED-E1-SL2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6430.3 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3
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

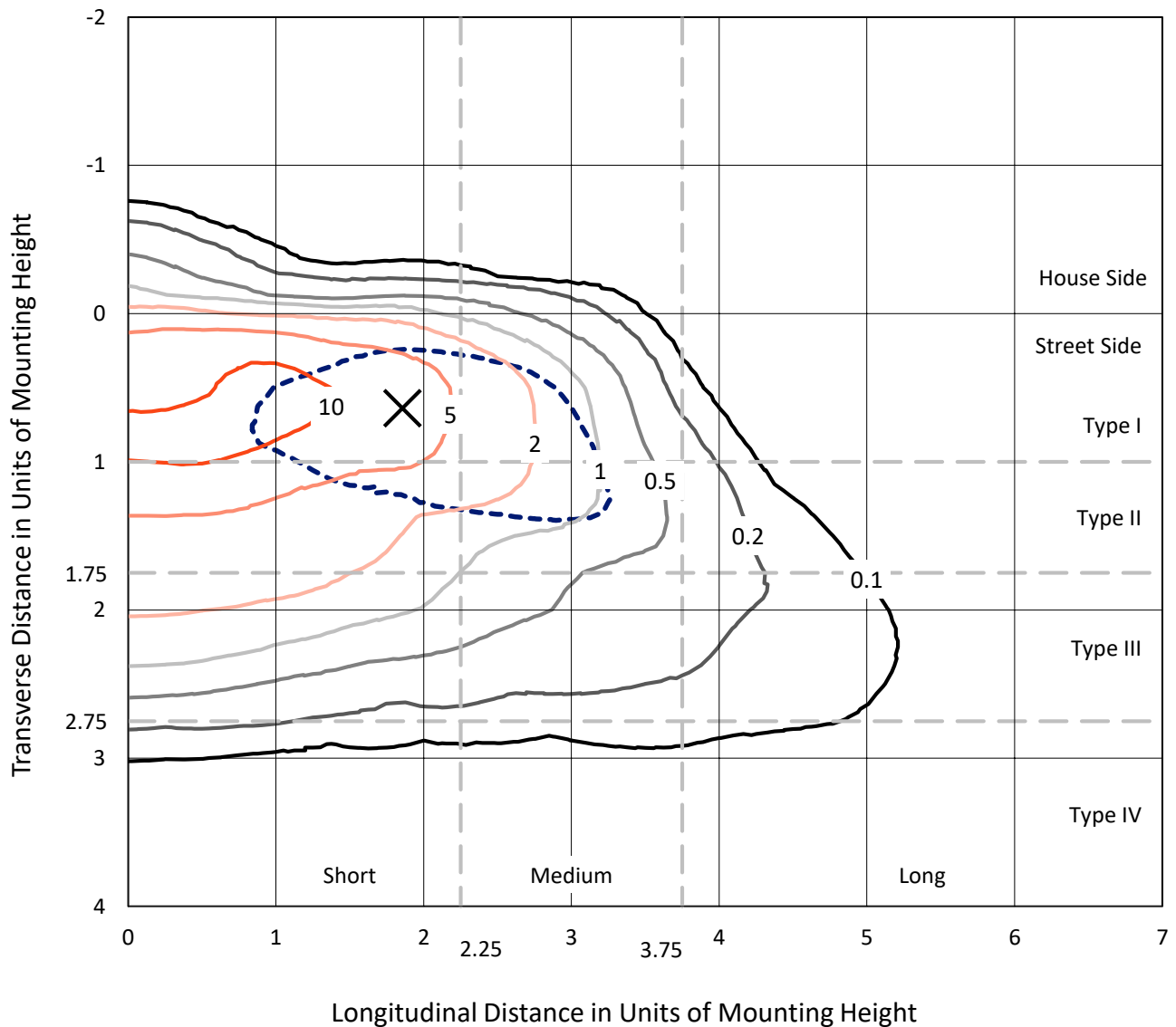


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Iso-Footcandle Lines of Horizontal Illumination

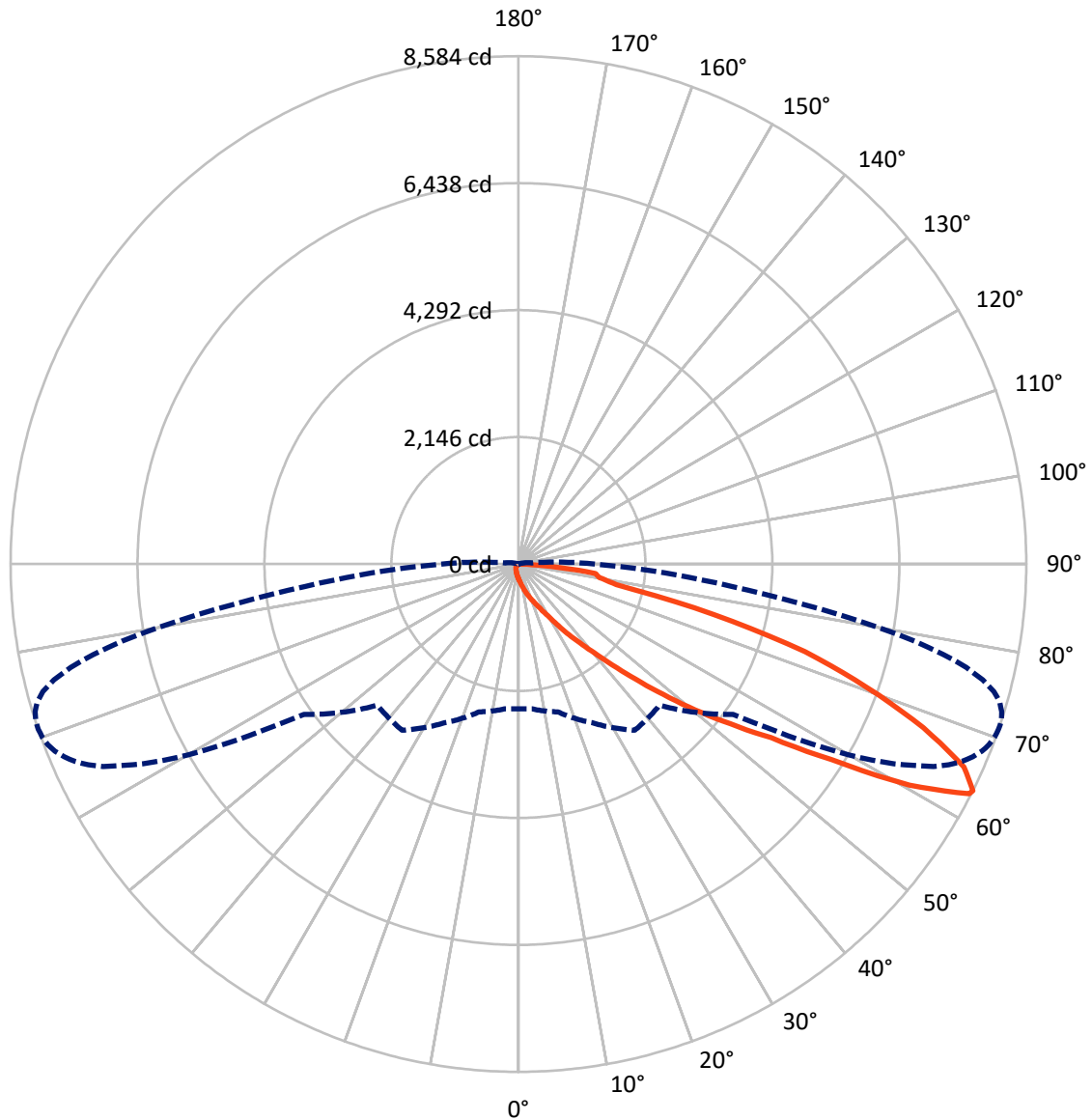
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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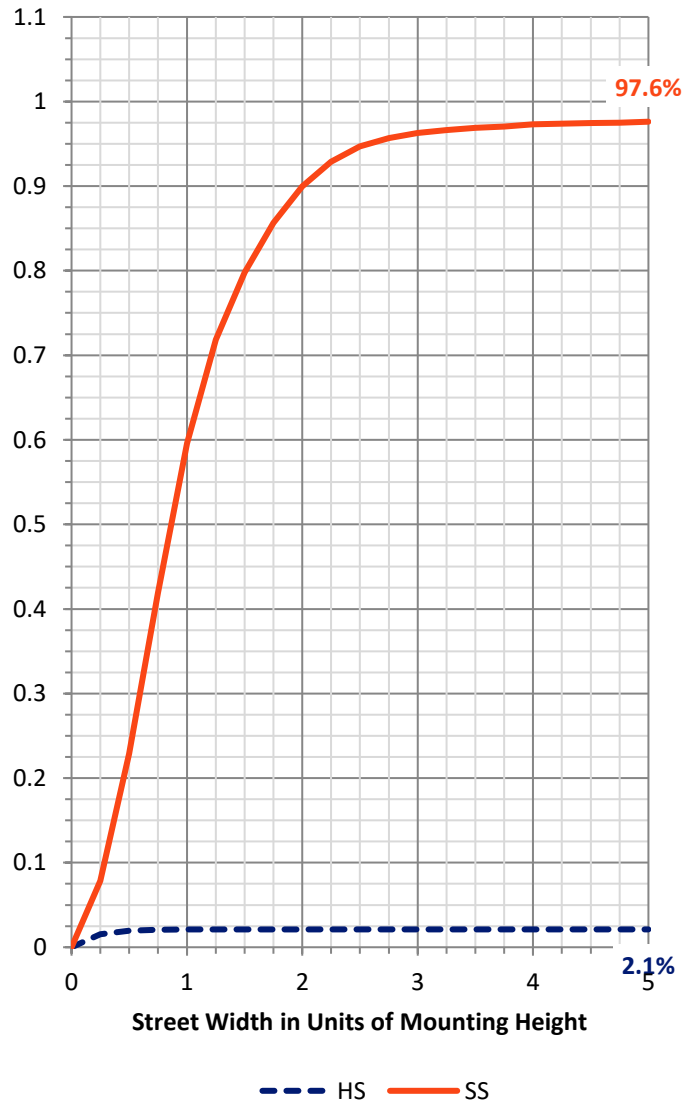
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	136.5	0.0	136.5
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	6293.8	0.0	6293.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	6430.3	0.0	6430.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.4
10°-20°	105.7	1.6
20°-30°	214.8	3.3
30°-40°	524.7	8.2
40°-50°	1173.4	18.2
50°-60°	1650.0	25.7
60°-70°	1940.2	30.2
70°-80°	700.6	10.9
80°-90°	93.7	1.5
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°	6430.3	100.0
0°-180°	6430.3	100.0



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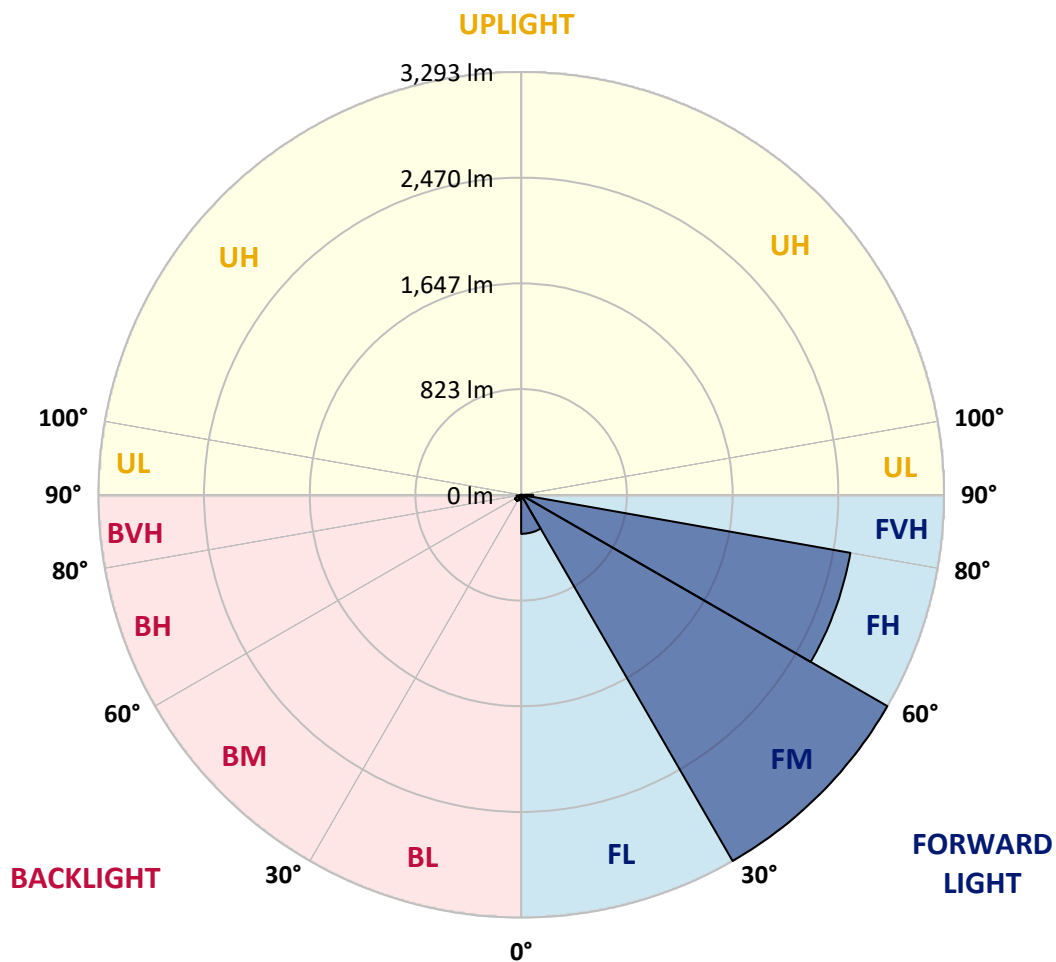
CATALOG NUMBER: ICM-F05-LED-E1-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.9	4.7			
FM	(30°-60°)	3293.1	51.2			
FH	(60°-80°)	2603.4	40.5			G2/5000
FVH	(80°-90°)	93.5	1.5			G1/100
BL	(0°-30°)	43.9	0.7	B0/110		
BM	(30°-60°)	55.0	0.9	B0/220		
BH	(60°-80°)	37.4	0.6	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			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°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
2.5°	322.6	326.1	323.8	318.0	311.0	301.6	293.4	293.4	292.3	288.7	290.0
5°	423.2	424.4	419.6	405.7	392.7	372.9	350.7	348.4	346.0	342.5	341.3
7.5°	521.4	526.0	521.4	506.1	480.5	450.0	415.0	411.4	404.5	404.5	399.8
10°	621.9	621.9	617.2	599.7	576.3	533.0	488.7	482.8	474.6	472.3	465.2
12.5°	693.2	693.2	690.9	681.5	662.8	624.3	570.4	564.7	554.1	550.6	542.4
15°	721.3	721.3	722.4	730.6	731.8	714.2	658.1	653.5	643.0	633.6	630.1
17.5°	738.8	737.6	737.6	749.3	770.3	782.1	745.8	741.1	729.5	724.7	713.1
20°	777.4	775.1	768.0	768.0	787.9	828.8	828.8	827.6	814.8	811.3	805.4
22.5°	834.7	832.3	811.3	793.8	803.1	854.5	902.4	900.1	895.4	890.8	887.3
25°	928.2	920.0	883.7	832.3	824.1	879.1	958.6	964.4	967.9	967.9	970.2
27.5°	1069.6	1059.1	994.8	899.0	862.7	918.8	1020.6	1032.2	1042.7	1045.1	1055.6
30°	1266.1	1247.4	1155.0	1014.7	931.7	977.3	1111.7	1124.6	1139.7	1144.5	1160.8
32.5°	1588.7	1578.1	1489.3	1278.9	1101.2	1091.8	1239.2	1255.4	1275.4	1283.5	1303.4
35°	2079.6	2082.0	2009.5	1820.1	1574.6	1446.1	1467.1	1481.1	1488.1	1512.7	1523.2
37.5°	2412.8	2418.6	2435.0	2360.2	2184.9	2053.9	1889.1	1904.3	1868.0	1871.5	1872.8
40°	2595.2	2613.9	2709.7	2782.2	2768.2	2692.2	2560.1	2568.3	2500.5	2485.3	2411.6
42.5°	2716.8	2741.3	2894.4	3118.9	3233.4	3302.4	3272.0	3268.5	3215.9	3196.0	3134.1
45°	2792.8	2814.9	3007.8	3338.6	3602.8	3803.9	3886.9	3896.2	3851.8	3831.9	3780.5
47.5°	2789.2	2814.9	3021.9	3420.5	3809.7	4131.2	4365.0	4376.7	4403.6	4386.1	4389.5
50°	2634.9	2659.5	2867.6	3281.3	3749.0	4280.9	4708.7	4746.1	4789.3	4818.5	4832.6
52.5°	2447.8	2465.4	2650.1	3042.9	3489.4	4218.9	4912.1	4976.4	5040.7	5095.7	5134.2
55°	2378.9	2398.8	2543.7	2869.9	3281.3	3959.4	5006.8	5101.4	5192.7	5282.6	5356.3
57.5°	2415.2	2433.9	2537.9	2788.0	3157.4	3685.8	5033.7	5181.0	5330.6	5476.7	5621.7
60°	2548.4	2568.3	2657.1	2864.0	3124.7	3528.0	4928.5	5172.8	5421.8	5676.6	5916.2
62.5°	2495.8	2504.0	2634.9	2997.3	3358.5	3393.6	4546.2	4887.6	5267.5	5660.2	6047.2
63°	2445.5	2454.9	2588.1	2961.0	3429.8	3373.7	4428.1	4788.2	5189.1	5612.3	6033.2
65°	2217.6	2218.7	2320.5	2615.0	3350.3	3408.8	3902.1	4245.8	4706.4	5213.7	5745.6
67.5°	1655.3	1647.1	1745.3	1969.8	2630.2	3410.0	3349.1	3542.1	3862.3	4312.4	4789.3
70°	586.8	574.0	732.9	1043.9	1638.9	2789.2	2878.1	2890.9	2979.7	3222.9	3522.2
72.5°	190.5	194.0	233.8	382.2	755.2	1877.4	2605.7	2566.0	2542.5	2541.4	2581.1
75°	76.0	77.1	93.5	169.5	339.0	904.8	2281.9	2304.1	2312.3	2323.9	2336.9
77.5°	36.3	39.7	52.6	94.7	168.4	447.7	1633.0	1821.3	1928.8	2011.8	2062.1
80°	12.8	15.2	29.2	58.4	78.3	205.8	860.4	1038.1	1195.9	1399.3	1574.6
82.5°	0.0	0.0	5.9	40.9	43.3	83.0	353.0	413.9	473.4	613.7	787.9
85°	0.0	0.0	0.0	11.7	12.8	14.0	119.3	143.8	161.3	188.2	217.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.5	7.0	17.5	26.9
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°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
2.5°	287.5	286.4	286.4	284.1	282.9	280.6	279.4	275.9	274.7	274.7	274.7
5°	340.2	335.5	333.1	327.4	323.8	322.6	316.8	314.4	311.0	312.1	306.2
7.5°	398.6	390.4	387.0	378.8	376.4	368.2	365.9	360.0	356.6	349.5	347.2
10°	462.9	452.4	446.5	433.7	430.1	424.4	417.3	410.3	404.5	397.5	394.0
12.5°	536.6	527.3	522.5	505.0	496.8	488.7	479.3	470.0	460.6	454.7	446.5
15°	623.1	607.9	603.2	586.8	572.8	562.3	549.4	537.8	530.7	519.1	510.9
17.5°	708.4	693.2	689.7	665.1	650.0	643.0	628.9	613.7	600.8	589.2	576.3
20°	793.8	783.3	773.9	750.5	734.1	722.4	703.7	688.6	678.1	661.7	645.3
22.5°	879.1	868.6	861.6	837.0	821.8	805.4	789.0	772.7	757.5	737.6	718.9
25°	966.8	959.7	956.2	934.1	920.0	904.8	888.5	869.8	851.0	828.8	808.9
27.5°	1058.0	1060.3	1053.2	1048.6	1033.4	1022.9	997.1	984.3	970.2	943.4	918.8
30°	1173.7	1180.7	1178.3	1181.9	1172.5	1165.5	1145.6	1129.2	1112.8	1087.2	1059.1
32.5°	1319.8	1329.1	1333.8	1346.7	1342.0	1339.6	1333.8	1310.4	1298.7	1254.3	1242.6
35°	1545.4	1540.8	1560.6	1571.1	1566.4	1564.1	1557.1	1544.2	1530.2	1498.6	1469.4
37.5°	1838.8	1843.5	1850.5	1829.5	1815.5	1814.2	1793.2	1780.4	1760.5	1725.4	1690.3
40°	2376.6	2347.4	2314.6	2225.8	2187.2	2164.9	2103.0	2085.5	2051.5	2003.6	1967.5
42.5°	3075.6	3046.3	2948.2	2799.7	2720.2	2610.3	2560.1	2498.2	2450.2	2371.9	2329.8
45°	3770.0	3685.8	3674.2	3501.1	3402.9	3258.0	3167.9	3063.9	2955.2	2852.3	2777.5
47.5°	4355.7	4337.0	4279.7	4174.4	4083.3	3961.7	3846.0	3685.8	3573.6	3427.5	3293.0
50°	4824.4	4823.3	4802.2	4741.4	4665.4	4567.3	4465.5	4330.0	4202.5	4023.7	3879.8
52.5°	5175.1	5193.8	5200.9	5182.2	5152.9	5066.4	5015.0	4901.6	4794.0	4642.1	4486.5
55°	5432.3	5501.2	5536.3	5576.0	5567.9	5537.5	5535.2	5461.5	5412.4	5292.0	5182.2
57.5°	5750.3	5863.7	5972.4	6165.2	6172.2	6240.0	6275.1	6310.2	6319.6	6271.7	6235.4
60°	6154.7	6386.2	6591.9	6995.2	7100.4	7266.5	7374.0	7490.9	7590.3	7598.5	7596.0
62.5°	6439.9	6796.5	7128.5	7727.0	7931.6	8123.3	8267.1	8380.5	8449.4	8519.6	8552.3
63°	6448.1	6838.6	7191.6	7808.9	8024.0	8206.3	8343.1	8448.3	8520.8	8562.8	8583.9
65°	6250.5	6724.0	7144.9	7759.8	7962.0	8145.5	8216.8	8285.8	8320.9	8337.3	8275.3
67.5°	5297.9	5760.8	6251.8	6939.1	7112.1	7331.9	7390.4	7425.4	7441.8	7438.3	7385.7
70°	3961.7	4349.8	4895.8	5681.2	5910.5	6125.5	6258.7	6316.0	6334.7	6328.9	6250.5
72.5°	2765.8	2993.8	3443.8	4318.3	4630.4	4906.3	5071.1	5156.4	5174.0	5138.9	5066.4
75°	2322.8	2334.4	2436.2	2914.3	3206.5	3501.1	3687.0	3740.8	3705.7	3599.3	3414.6
77.5°	2073.8	2099.5	2099.5	2170.8	2228.1	2310.0	2327.5	2196.6	2044.6	1848.2	1689.2
80°	1739.5	1829.5	1892.6	1945.2	1951.1	1934.7	1891.5	1817.8	1700.8	1551.3	1385.2
82.5°	1056.8	1234.4	1306.9	1578.1	1711.4	1801.4	1794.4	1696.2	1607.4	1451.9	1310.4
85°	266.5	287.5	312.1	405.7	454.7	555.3	618.4	647.6	658.1	604.4	547.1
87.5°	25.7	17.5	29.2	22.2	31.5	23.3	31.5	29.2	36.3	38.6	42.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
2.5°	272.4	271.2	270.0	268.8	267.7	266.5	264.2	264.2	261.9	260.7	259.5
5°	302.8	300.5	299.3	296.9	293.4	291.1	287.5	282.9	279.4	278.2	275.9
7.5°	341.3	335.5	333.1	329.7	325.0	318.0	313.3	309.8	303.9	300.5	293.4
10°	384.6	378.8	371.7	364.7	357.7	349.5	343.7	339.0	329.7	325.0	316.8
12.5°	439.5	429.0	420.8	411.4	402.1	392.7	385.8	371.7	363.5	353.0	346.0
15°	495.6	486.3	476.9	465.2	451.3	436.0	429.0	416.2	405.7	389.3	379.9
17.5°	563.4	546.0	531.9	517.9	505.0	491.0	476.9	457.1	441.9	427.8	409.1
20°	630.1	609.0	593.9	575.2	556.5	534.2	517.9	503.8	482.8	464.1	444.2
22.5°	701.4	680.4	655.8	637.1	611.4	593.9	571.6	548.3	527.3	502.7	478.1
25°	787.9	765.7	737.6	713.1	683.8	659.4	632.5	605.5	579.8	551.7	520.2
27.5°	894.2	870.9	840.5	811.3	772.7	742.3	716.6	680.4	647.6	612.6	576.3
30°	1028.8	1003.0	965.6	923.5	884.9	851.0	814.8	766.9	730.6	688.6	641.8
32.5°	1204.1	1173.7	1123.4	1083.6	1035.7	991.3	941.0	893.1	841.7	786.7	732.9
35°	1425.0	1396.9	1338.5	1280.0	1227.4	1174.8	1111.7	1056.8	984.3	917.7	848.7
37.5°	1654.1	1603.8	1550.1	1487.0	1421.5	1358.3	1281.2	1205.2	1122.2	1049.8	963.3
40°	1916.0	1855.2	1810.8	1743.0	1650.6	1560.6	1489.3	1394.6	1290.5	1193.5	1091.8
42.5°	2274.9	2207.1	2127.5	2024.7	1958.1	1852.8	1760.5	1648.3	1511.5	1402.8	1280.0
45°	2689.9	2597.5	2520.3	2420.9	2340.3	2209.4	2101.9	1952.2	1815.5	1672.8	1523.2
47.5°	3163.3	3048.8	2936.5	2838.3	2709.7	2581.1	2444.4	2285.4	2110.1	1953.4	1775.7
50°	3706.9	3544.4	3388.9	3262.6	3086.2	2937.7	2789.2	2610.3	2416.3	2236.3	2034.1
52.5°	4311.2	4123.0	3917.3	3723.2	3518.6	3328.1	3149.2	2943.6	2727.3	2507.5	2281.9
55°	5040.7	4899.2	4657.2	4410.6	4137.0	3882.3	3651.9	3397.0	3134.1	2845.3	2608.0
57.5°	6182.8	6113.8	5911.6	5665.0	5308.4	4998.6	4608.1	4296.0	3914.9	3517.5	3211.2
60°	7730.6	7645.2	7531.8	7331.9	7049.0	6628.1	6198.0	5712.9	5133.1	4582.4	4059.9
62.5°	8555.9	8525.4	8433.1	8295.1	8030.9	7698.9	7265.3	6732.2	6077.6	5408.9	4742.6
63°	8580.4	8541.8	8462.3	8322.0	8089.4	7768.0	7342.5	6824.6	6183.9	5502.5	4822.1
65°	8248.4	8233.2	8152.5	7999.4	7840.4	7594.9	7265.3	6819.9	6282.2	5638.1	4961.1
67.5°	7315.6	7269.9	7146.0	7099.3	6988.2	6817.5	6566.2	6259.9	5875.4	5369.1	4784.7
70°	6187.5	6119.7	5964.2	5881.2	5745.6	5638.1	5484.9	5266.3	5029.0	4675.9	4239.9
72.5°	4991.6	4851.3	4708.7	4492.4	4303.0	4111.4	3941.8	3787.6	3526.8	3384.2	3053.4
75°	3241.6	2986.8	2742.4	2415.2	2120.6	1859.8	1606.1	1477.6	1209.9	1101.2	945.7
77.5°	1538.4	1395.7	1204.1	1055.6	866.2	707.3	577.5	433.7	340.2	266.5	203.4
80°	1241.5	1121.0	1005.3	870.9	728.3	581.0	445.4	333.1	236.1	163.6	115.7
82.5°	1107.1	976.1	833.5	741.1	644.1	527.3	432.6	353.0	260.7	190.5	129.8
85°	430.1	362.4	279.4	227.9	177.7	146.1	132.1	91.2	71.3	56.1	43.3
87.5°	37.4	30.4	24.6	16.4	17.5	9.4	10.5	7.0	5.9	5.9	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7	246.7
2.5°	258.3	257.2	256.0	253.7	253.7	251.4	250.1	249.0	243.2	230.3	219.8
5°	271.2	268.8	266.5	263.0	260.7	257.2	254.9	251.4	238.5	214.0	192.8
7.5°	290.0	285.2	281.8	274.7	271.2	266.5	263.0	257.2	236.1	198.7	169.5
10°	312.1	303.9	298.0	290.0	282.9	277.0	271.2	263.0	233.8	182.3	148.5
12.5°	339.0	329.7	318.0	308.7	299.3	291.1	282.9	272.4	230.3	168.4	132.1
15°	365.9	351.9	343.7	330.8	318.0	306.2	294.6	285.2	231.4	153.1	118.0
17.5°	396.3	382.2	364.7	350.7	336.7	321.5	307.4	288.7	225.6	141.5	107.5
20°	425.5	405.7	389.3	371.7	351.9	333.1	315.6	299.3	220.9	129.8	98.2
22.5°	457.1	433.7	412.7	390.4	365.9	344.8	323.8	302.8	212.7	119.3	90.0
25°	495.6	468.7	438.3	411.4	385.8	360.0	333.1	307.4	204.6	109.9	84.2
27.5°	542.4	507.4	476.9	443.1	406.8	374.0	344.8	316.8	196.4	102.9	78.3
30°	602.1	561.1	517.9	474.6	436.0	398.6	357.7	322.6	188.2	95.8	72.5
32.5°	681.5	630.1	577.5	527.3	475.8	427.8	384.6	339.0	183.5	90.0	66.6
35°	786.7	720.1	655.8	592.7	530.7	472.3	416.2	364.7	183.5	83.0	59.6
37.5°	886.1	808.9	727.1	648.7	575.2	507.4	440.7	378.8	174.1	77.1	53.8
40°	993.7	901.3	805.4	713.1	624.3	540.1	464.1	392.7	166.0	70.1	47.9
42.5°	1158.4	1041.6	916.5	808.9	702.6	598.5	503.8	419.6	155.4	63.2	42.0
45°	1374.7	1226.2	1079.0	948.0	812.5	685.0	572.8	468.7	153.1	57.3	36.3
47.5°	1606.1	1430.8	1257.9	1090.7	931.7	783.3	648.7	523.7	153.1	51.4	31.5
50°	1836.5	1616.8	1432.0	1238.0	1059.1	883.7	723.6	581.0	154.3	46.8	25.7
52.5°	2044.6	1809.6	1602.7	1378.2	1180.7	977.3	803.1	637.1	152.0	40.9	21.0
55°	2333.3	2057.4	1817.8	1570.0	1338.5	1109.4	911.8	721.3	153.1	36.3	17.5
57.5°	2865.2	2541.4	2252.7	1927.6	1661.1	1365.4	1125.8	894.2	167.2	30.4	12.8
60°	3628.6	3207.7	2802.1	2405.8	2066.8	1714.9	1403.9	1131.5	196.4	24.6	9.4
62.5°	4141.7	3591.1	3107.2	2670.0	2276.0	1907.8	1568.8	1259.0	216.3	19.9	5.9
63°	4194.4	3625.0	3138.7	2687.6	2285.4	1917.1	1575.8	1268.4	217.4	18.7	5.9
65°	4293.7	3683.5	3156.3	2691.0	2276.0	1904.3	1571.1	1267.2	219.8	15.2	4.7
67.5°	4180.3	3593.5	3054.5	2590.4	2194.2	1828.3	1512.7	1220.4	218.6	10.5	3.5
70°	3738.4	3252.1	2778.7	2346.2	1986.2	1655.3	1377.0	1112.8	201.0	7.0	2.3
72.5°	2744.8	2414.0	2046.9	1734.8	1496.3	1242.6	1060.3	835.8	155.4	4.7	1.2
75°	813.6	741.1	623.1	549.4	485.1	400.9	356.6	278.2	79.5	2.3	0.0
77.5°	162.5	147.3	132.1	120.4	113.4	97.0	92.4	76.0	32.7	1.2	0.0
80°	85.3	70.1	59.6	52.6	45.6	37.4	31.5	25.7	5.9	0.0	0.0
82.5°	81.9	55.0	39.7	32.7	28.1	22.2	17.5	12.8	3.5	0.0	0.0
85°	30.4	23.3	17.5	14.0	11.7	10.5	8.2	7.0	0.0	0.0	0.0
87.5°	4.7	3.5	3.5	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0
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°	246.7	246.7	246.7	246.7	246.7	246.7	246.7
2.5°	209.2	199.9	195.3	189.4	189.4	188.2	190.5
5°	174.1	161.3	152.0	144.9	146.1	142.6	143.8
7.5°	147.3	134.4	126.2	121.6	120.4	119.3	119.3
10°	127.4	115.7	108.7	105.2	104.0	104.0	104.0
12.5°	113.4	101.7	95.8	93.5	93.5	92.4	92.4
15°	101.7	92.4	86.5	84.2	84.2	83.0	84.2
17.5°	92.4	83.0	78.3	76.0	76.0	74.8	74.8
20°	84.2	76.0	71.3	67.8	67.8	66.6	67.8
22.5°	77.1	68.9	63.2	60.7	59.6	58.4	59.6
25°	70.1	62.0	56.1	52.6	51.4	51.4	50.2
27.5°	64.3	56.1	49.1	45.6	44.5	44.5	43.3
30°	58.4	49.1	42.0	38.6	37.4	37.4	37.4
32.5°	52.6	42.0	36.3	32.7	31.5	31.5	31.5
35°	46.8	36.3	30.4	26.9	25.7	25.7	25.7
37.5°	39.7	30.4	23.3	21.0	19.9	18.7	18.7
40°	33.9	23.3	17.5	15.2	12.8	12.8	12.8
42.5°	28.1	18.7	12.8	9.4	8.2	7.0	8.2
45°	23.3	14.0	8.2	4.7	3.5	3.5	3.5
47.5°	18.7	9.4	3.5	1.2	1.2	1.2	1.2
50°	14.0	5.9	1.2	0.0	0.0	1.2	1.2
52.5°	10.5	3.5	0.0	0.0	0.0	0.0	0.0
55°	5.9	1.2	0.0	0.0	0.0	0.0	0.0
57.5°	3.5	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)