

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: P180601

Luminaire Tested: **ICM-F05-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180601
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-F05-LED-E1-SL3-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5618.7 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type III - 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

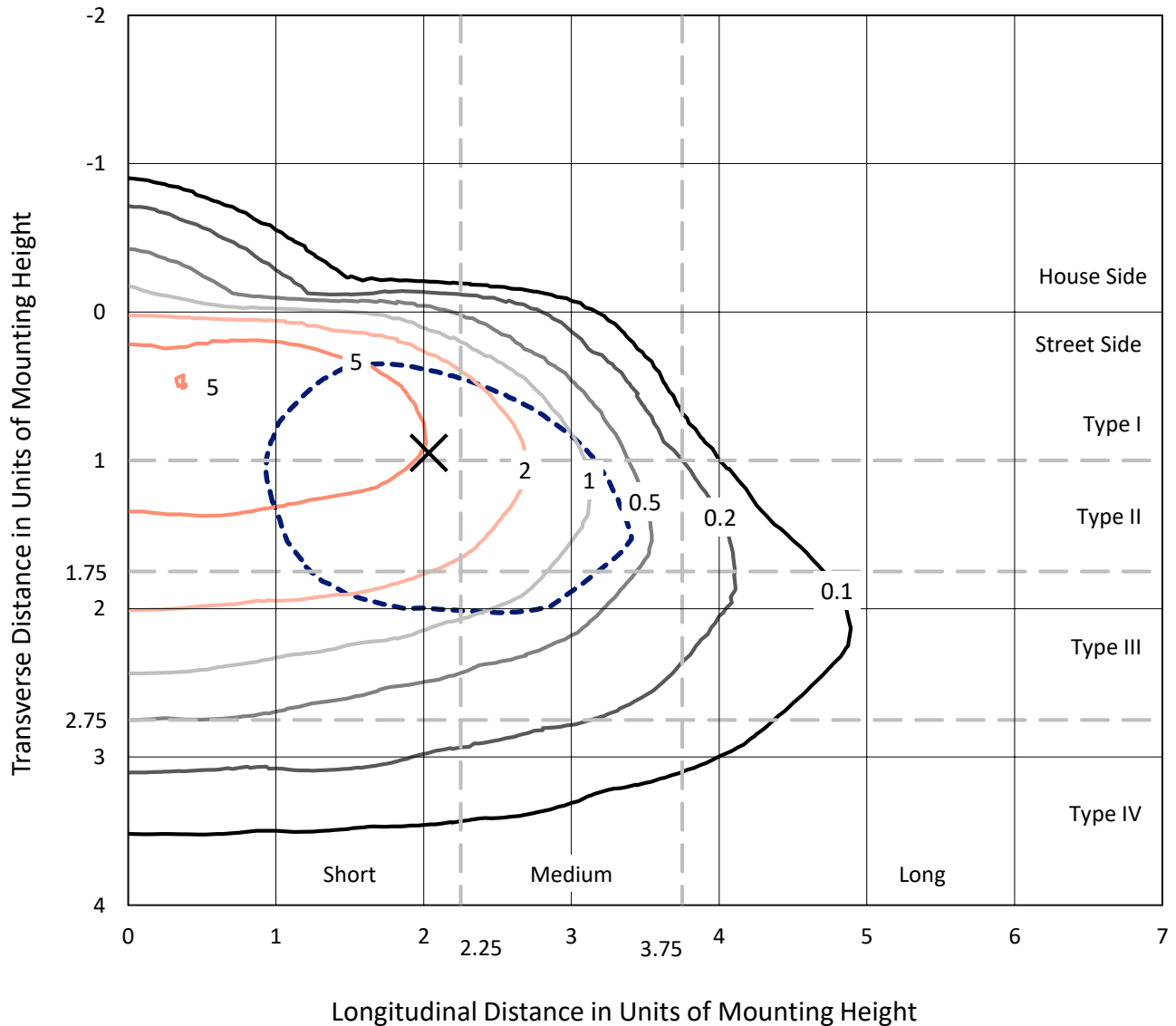


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Iso-Footcandle Lines of Horizontal Illumination

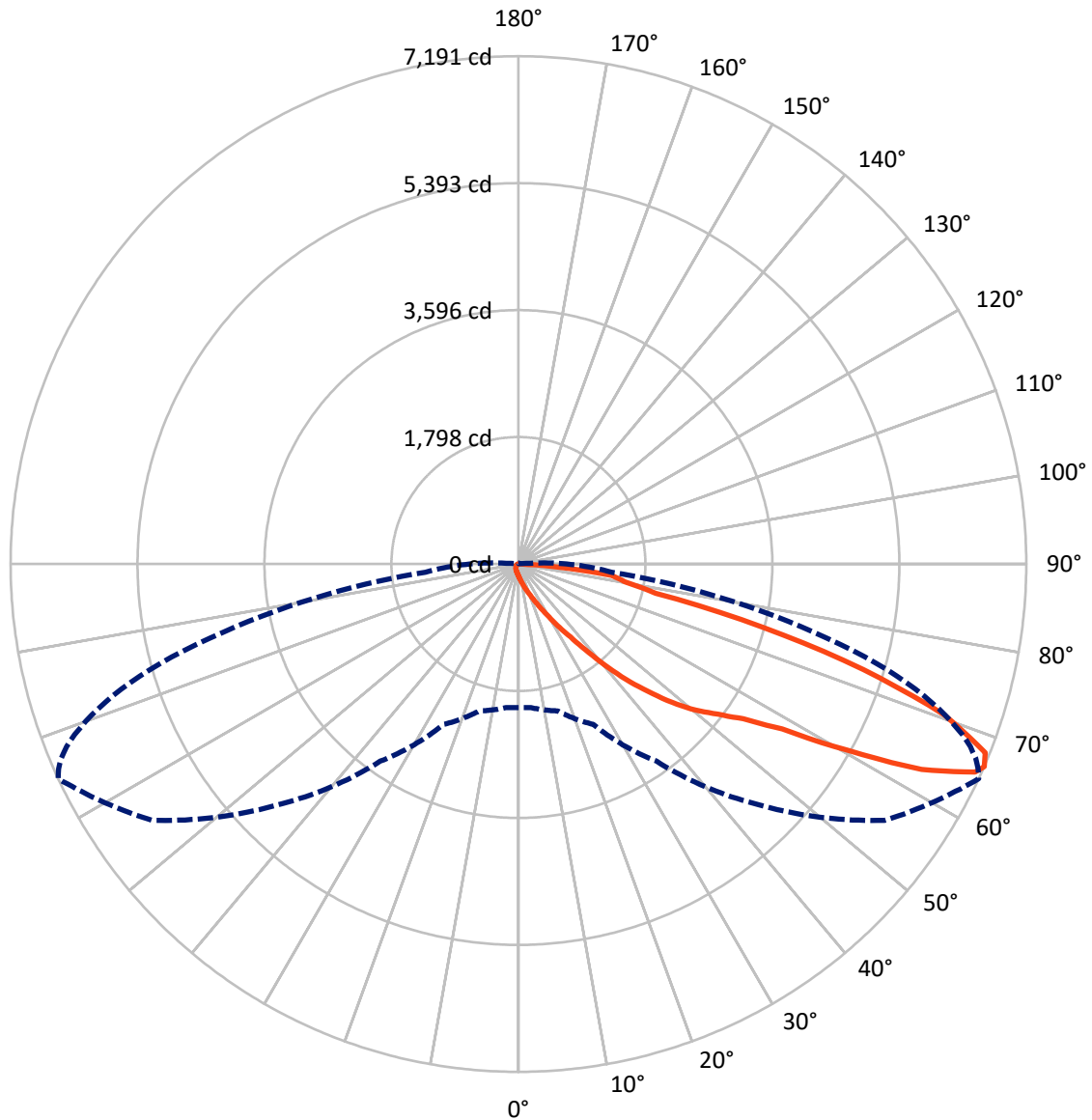
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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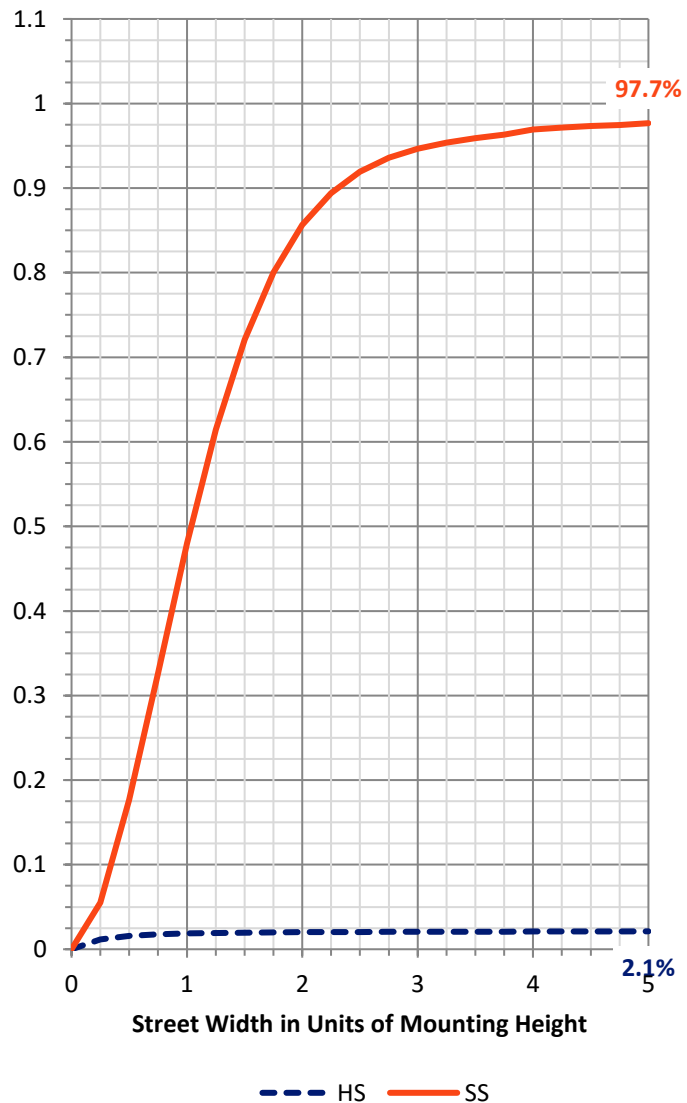
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	121.8	0.0	121.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	5496.9	0.0	5496.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	5618.7	0.0	5618.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	80.5	1.4
20°-30°	173.6	3.1
30°-40°	370.8	6.6
40°-50°	820.0	14.6
50°-60°	1389.6	24.7
60°-70°	1854.3	33.0
70°-80°	816.8	14.5
80°-90°	94.1	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°	5618.7	100.0
0°-180°	5618.7	100.0



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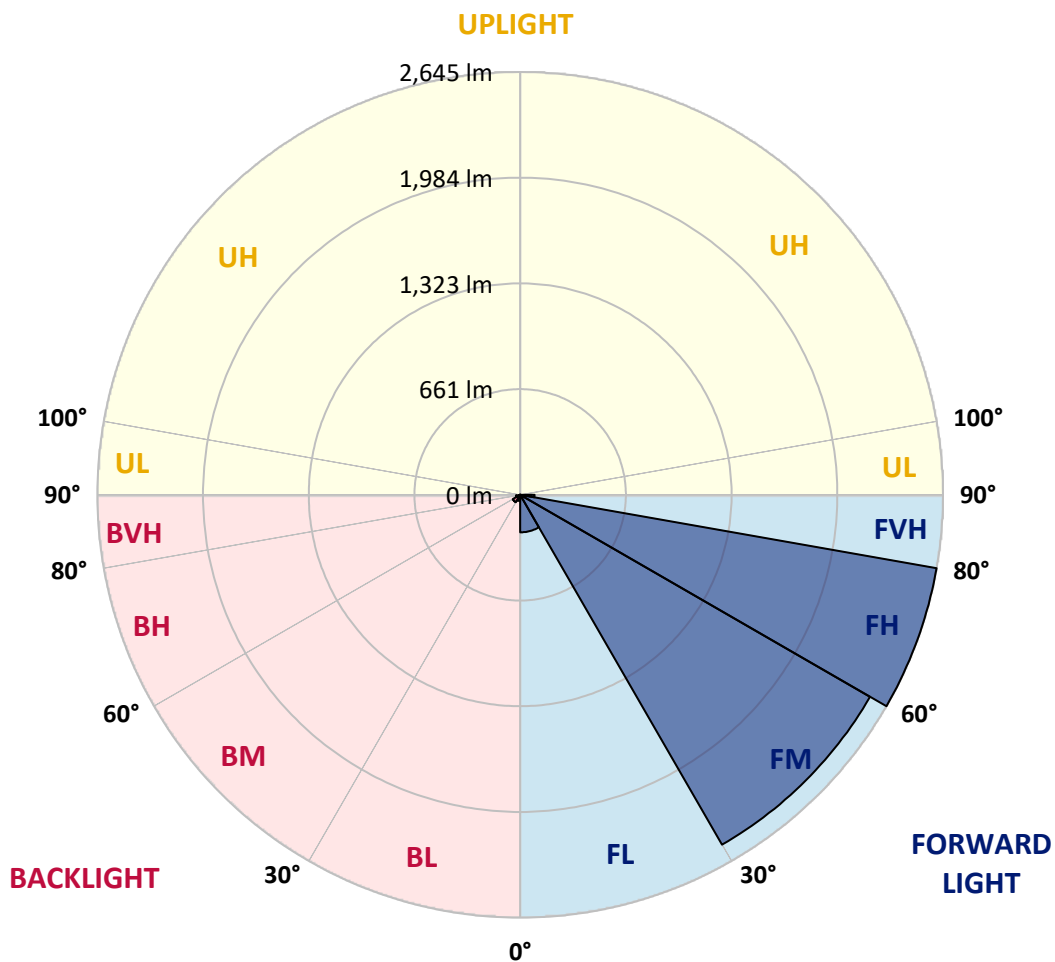
CATALOG NUMBER: ICM-F05-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.7	4.2			
FM	(30°-60°)	2526.9	45.0			
FH	(60°-80°)	2645.0	47.1			G2/5000
FVH	(80°-90°)	90.3	1.6			G1/100
BL	(0°-30°)	38.4	0.7	B0/110		
BM	(30°-60°)	53.5	1.0	B0/220		
BH	(60°-80°)	26.1	0.5	B0/110		G0/110
BVH	(80°-90°)	3.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6
2.5°	213.9	212.8	208.5	208.5	202.0	197.7	192.3	186.9	186.9	185.8	184.7
5°	283.0	276.6	275.4	263.5	253.9	239.8	226.9	209.6	207.4	205.2	204.2
7.5°	359.7	358.6	348.9	334.9	315.4	289.5	263.5	235.4	231.2	229.0	224.7
10°	459.1	453.7	440.7	416.9	387.8	353.2	311.1	266.8	261.4	257.1	254.9
12.5°	554.1	544.5	536.8	506.6	469.9	419.2	368.4	304.7	300.3	294.9	286.2
15°	642.7	634.1	621.1	595.2	554.1	490.4	431.0	353.2	342.4	334.9	328.4
17.5°	711.8	706.4	691.4	662.1	617.9	561.7	490.4	402.9	394.2	384.6	372.7
20°	777.8	770.2	746.4	706.4	658.9	615.7	560.7	467.7	455.8	444.0	431.0
22.5°	840.4	832.8	794.0	728.1	677.3	658.9	639.4	541.2	522.8	513.1	500.1
25°	927.9	911.7	851.2	746.4	678.3	692.4	725.9	636.3	619.0	604.9	584.4
27.5°	1045.7	1024.0	929.0	773.4	682.7	729.1	825.3	751.8	733.5	717.3	694.6
30°	1178.5	1164.5	1051.1	838.2	714.1	783.2	936.6	898.7	877.1	857.7	830.7
32.5°	1312.5	1293.0	1180.7	961.4	798.2	887.9	1075.9	1069.4	1041.3	1023.0	993.8
35°	1430.2	1420.5	1337.3	1163.4	990.5	1071.5	1261.7	1269.2	1244.4	1224.9	1192.6
37.5°	1510.1	1510.1	1494.0	1380.5	1296.3	1356.8	1535.0	1536.1	1511.3	1466.9	1450.7
40°	1551.2	1563.1	1621.4	1643.0	1638.7	1716.5	1893.6	1874.2	1853.7	1831.0	1776.9
42.5°	1635.5	1646.2	1770.4	1919.5	2016.8	2119.4	2241.4	2235.0	2210.2	2169.0	2119.4
45°	1778.1	1792.1	1940.1	2176.7	2376.5	2522.3	2600.1	2569.9	2544.9	2506.1	2480.2
47.5°	1959.5	1986.5	2154.0	2446.7	2687.6	2928.5	3009.5	2929.5	2907.9	2877.7	2835.6
50°	2152.9	2178.8	2357.0	2691.9	2964.1	3251.5	3386.4	3251.5	3220.1	3210.4	3162.9
52.5°	2320.3	2341.9	2513.7	2880.9	3175.8	3512.9	3709.4	3531.2	3508.6	3476.1	3441.6
55°	2419.6	2436.9	2597.9	2971.6	3319.5	3748.4	4021.6	3865.0	3831.6	3818.5	3768.9
57.5°	2453.1	2470.4	2615.2	2983.6	3397.3	3963.3	4400.8	4406.2	4366.3	4319.7	4304.7
60°	2453.1	2472.6	2594.7	2954.4	3472.9	4192.3	4906.4	5356.8	5270.4	5261.7	5206.6
62.5°	2351.6	2370.0	2493.1	2864.8	3574.4	4501.2	5610.6	6405.7	6380.9	6324.7	6233.9
65°	2131.3	2142.1	2263.1	2635.7	3535.6	4785.3	6221.0	7103.5	7063.6	6953.3	6836.7
66°	2031.9	2040.6	2154.0	2505.0	3408.1	4824.2	6329.0	7191.0	7125.1	7032.2	6900.4
67.5°	1888.2	1903.4	1983.3	2262.0	3102.3	4689.2	6261.0	7129.4	7072.1	6959.9	6828.0
70°	1260.7	1249.8	1531.7	1735.9	2363.5	3820.8	5617.2	6401.3	6402.5	6349.5	6296.6
72.5°	598.4	604.9	687.0	1068.4	1546.9	2552.6	4471.0	5109.4	5182.9	5087.8	5021.9
75°	430.0	439.6	489.3	653.5	922.5	1531.7	2898.3	3573.3	3575.6	3407.0	3256.9
77.5°	125.3	130.7	183.6	402.9	691.4	1033.8	1664.6	1986.5	1940.1	1819.1	1705.7
80°	51.8	51.8	54.0	128.6	277.6	702.1	1164.5	1529.6	1524.2	1477.8	1410.8
82.5°	19.4	20.6	26.0	52.9	65.9	172.8	776.7	1327.5	1324.4	1258.4	1210.9
85°	2.1	2.1	6.5	22.7	24.8	32.4	155.5	585.5	582.2	585.5	513.1
87.5°	0.0	0.0	1.1	2.1	3.3	4.3	6.5	22.7	24.8	23.7	21.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6
2.5°	184.7	182.5	182.5	181.5	181.5	181.5	180.4	179.3	179.3	178.2	177.1
5°	202.0	199.8	198.8	196.6	195.5	194.4	192.3	191.2	189.0	188.0	186.9
7.5°	222.5	218.2	217.1	213.9	210.6	208.5	206.3	203.1	200.9	196.6	195.5
10°	248.5	243.1	238.7	234.4	231.2	225.8	222.5	218.2	213.9	210.6	207.4
12.5°	282.0	274.4	267.9	263.5	256.0	249.5	243.1	239.8	231.2	226.9	221.5
15°	318.7	310.0	302.4	293.9	288.4	277.6	268.9	259.3	254.9	247.4	238.7
17.5°	366.2	352.2	340.3	331.6	320.8	310.0	300.3	290.6	277.6	268.9	258.1
20°	416.9	405.1	388.8	373.8	360.7	347.8	333.8	320.8	308.9	294.9	282.0
22.5°	481.8	464.5	445.0	430.0	412.7	398.6	379.2	361.9	342.4	324.1	308.9
25°	563.9	541.2	522.8	501.2	480.7	459.1	435.4	413.7	388.8	371.6	345.7
27.5°	665.4	643.8	619.0	590.9	570.3	538.0	506.6	479.6	450.4	423.4	394.2
30°	795.1	763.7	737.8	710.8	669.8	638.4	601.7	564.9	525.0	498.0	453.7
32.5°	950.6	917.1	878.2	839.4	801.5	757.2	711.8	666.5	622.2	572.5	527.2
35°	1140.8	1100.8	1056.5	1014.3	956.0	908.5	851.2	788.6	738.9	681.6	624.4
37.5°	1392.4	1326.5	1287.6	1243.4	1164.5	1099.6	1035.9	973.3	885.8	825.3	744.3
40°	1707.8	1668.9	1605.2	1533.9	1462.6	1377.3	1290.9	1207.7	1106.1	1021.9	927.9
42.5°	2078.3	2021.1	1956.3	1853.7	1781.3	1680.8	1582.5	1472.4	1348.1	1240.1	1129.9
45°	2426.2	2358.2	2308.4	2205.8	2130.2	2011.4	1892.6	1775.9	1632.2	1492.8	1365.4
47.5°	2802.1	2745.9	2663.8	2580.7	2503.9	2370.0	2241.4	2099.9	1948.8	1783.5	1618.1
50°	3132.7	3088.3	3032.2	2931.7	2846.3	2734.1	2582.8	2428.3	2237.1	2072.9	1884.9
52.5°	3413.5	3378.9	3300.0	3228.8	3152.1	3046.3	2911.2	2763.2	2556.9	2376.5	2162.6
55°	3745.1	3720.3	3651.1	3606.8	3538.8	3437.2	3310.9	3173.7	2955.5	2758.9	2516.9
57.5°	4288.5	4269.0	4208.5	4190.2	4123.2	4034.6	3879.1	3732.1	3477.2	3233.0	2956.6
60°	5188.3	5149.4	5060.8	5015.5	4874.0	4755.1	4553.1	4351.1	4043.3	3732.1	3399.5
62.5°	6151.9	6042.7	5874.2	5729.4	5528.6	5322.3	5052.2	4743.2	4382.4	4013.0	3630.6
65°	6671.4	6485.6	6272.8	6042.7	5782.4	5478.8	5138.6	4768.1	4380.3	3990.4	3586.3
66°	6730.8	6521.2	6295.5	6039.5	5750.0	5427.0	5081.3	4692.5	4289.5	3909.3	3505.3
67.5°	6656.3	6437.0	6198.3	5914.2	5601.0	5266.1	4903.1	4499.1	4111.3	3725.7	3332.5
70°	6134.5	5916.3	5703.6	5404.3	5070.5	4733.5	4390.0	3938.4	3571.2	3216.9	2866.9
72.5°	4898.8	4750.8	4540.1	4284.1	3959.0	3563.6	3277.4	2873.4	2554.7	2211.2	1940.1
75°	3061.3	2852.9	2592.5	2266.3	2017.9	1697.0	1529.6	1222.8	1041.3	882.5	729.1
77.5°	1565.2	1408.6	1226.1	1042.4	866.3	691.4	534.7	378.0	254.9	177.1	131.8
80°	1293.0	1154.8	1003.5	836.1	680.6	528.2	380.3	259.3	165.3	108.0	84.3
82.5°	1068.4	951.6	816.7	661.1	526.0	414.8	288.4	188.0	116.7	75.6	59.4
85°	454.8	412.7	318.7	252.7	190.1	140.5	98.3	65.9	46.4	37.8	34.6
87.5°	19.4	21.6	20.6	16.2	11.9	11.9	10.8	8.7	8.7	8.7	8.7
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6	169.6
2.5°	177.1	176.1	175.0	175.0	174.0	172.8	166.3	160.9	154.5	150.1	145.9
5°	184.7	183.6	181.5	180.4	178.2	177.1	163.1	151.3	141.5	134.0	128.6
7.5°	192.3	191.2	188.0	184.7	183.6	181.5	158.8	143.6	130.7	122.0	116.7
10°	202.0	198.8	195.5	191.2	188.0	184.7	154.5	135.1	121.0	113.4	108.0
12.5°	216.0	210.6	205.2	199.8	195.5	190.1	152.3	127.4	113.4	104.7	99.3
15°	232.3	224.7	218.2	211.7	204.2	198.8	148.0	121.0	107.0	98.3	91.8
17.5°	247.4	238.7	229.0	219.3	211.7	204.2	143.6	114.5	100.5	91.8	85.3
20°	268.9	256.0	244.1	232.3	221.5	211.7	137.2	108.0	95.1	85.3	78.9
22.5°	292.7	277.6	262.5	246.3	232.3	219.3	131.8	102.6	89.7	79.9	72.4
25°	323.0	304.7	284.1	263.5	247.4	230.0	126.4	97.2	84.3	74.5	67.0
27.5°	365.1	339.2	316.5	290.6	265.8	246.3	122.0	92.9	78.9	69.1	61.6
30°	422.3	384.6	348.9	320.8	291.6	263.5	117.8	87.5	74.5	63.7	55.1
32.5°	486.1	441.8	400.7	358.6	321.9	289.5	113.4	83.2	69.1	58.3	50.8
35°	564.9	508.7	453.7	405.1	360.7	317.6	109.1	78.9	64.8	52.9	45.4
37.5°	678.3	608.2	535.8	473.1	415.9	358.6	105.9	74.5	59.4	47.5	40.0
40°	834.0	743.2	654.6	569.3	494.7	423.4	101.6	70.2	55.1	43.2	35.6
42.5°	1002.4	892.3	775.6	679.4	576.8	487.2	97.2	65.9	50.8	38.9	31.3
45°	1212.0	1074.8	933.3	802.6	677.3	561.7	92.9	61.6	45.4	34.6	27.0
47.5°	1441.0	1266.1	1106.1	942.0	792.8	654.6	87.5	58.3	41.0	30.2	23.7
50°	1676.5	1491.8	1289.8	1102.9	925.8	747.5	82.1	52.9	36.7	27.0	19.4
52.5°	1930.3	1712.1	1505.8	1273.6	1067.3	869.6	76.7	48.7	33.5	23.7	16.2
55°	2253.3	2009.2	1767.3	1506.9	1258.4	1011.1	71.3	43.2	29.2	20.6	12.9
57.5°	2659.5	2370.0	2072.9	1779.1	1477.8	1196.8	67.0	37.8	24.8	17.3	10.8
60°	3043.0	2704.9	2345.1	2007.1	1666.8	1339.5	60.5	33.5	21.6	14.0	10.8
62.5°	3241.7	2856.1	2468.3	2095.6	1732.7	1390.2	54.0	28.1	18.3	11.9	9.8
65°	3193.1	2799.9	2424.0	2048.1	1692.7	1357.9	47.5	24.8	16.2	10.8	9.8
66°	3122.9	2734.1	2355.9	1998.4	1659.2	1323.3	44.3	23.7	15.2	10.8	8.7
67.5°	2969.5	2593.6	2232.9	1900.1	1567.4	1257.4	40.0	21.6	14.0	9.8	8.7
70°	2536.4	2195.0	1906.6	1610.6	1339.5	1059.7	32.4	18.3	11.9	8.7	8.7
72.5°	1678.6	1446.4	1254.1	1079.2	902.0	700.0	27.0	15.2	9.8	8.7	7.5
75°	633.0	572.5	491.5	441.8	385.7	338.1	21.6	9.8	7.5	7.5	7.5
77.5°	112.4	103.7	91.8	84.3	77.8	71.3	17.3	6.5	6.5	7.5	7.5
80°	75.6	70.2	63.7	58.3	54.0	48.7	11.9	5.4	6.5	6.5	7.5
82.5°	54.0	50.8	47.5	43.2	40.0	35.6	7.5	5.4	6.5	6.5	6.5
85°	32.4	30.2	28.1	26.0	22.7	21.6	5.4	5.4	5.4	6.5	6.5
87.5°	8.7	7.5	8.7	8.7	6.5	7.5	4.3	4.3	4.3	5.4	5.4
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):

	145°	155°	165°	175°	180°
0°	169.6	169.6	169.6	169.6	169.6
2.5°	143.6	143.6	141.5	144.7	144.7
5°	124.2	124.2	123.2	124.2	124.2
7.5°	113.4	112.4	112.4	112.4	113.4
10°	103.7	102.6	102.6	102.6	102.6
12.5°	95.1	94.0	92.9	94.0	94.0
15°	87.5	85.3	85.3	85.3	85.3
17.5°	81.0	78.9	77.8	77.8	77.8
20°	74.5	71.3	71.3	71.3	71.3
22.5°	68.1	64.8	64.8	64.8	64.8
25°	61.6	58.3	58.3	58.3	58.3
27.5°	56.2	52.9	52.9	52.9	52.9
30°	49.7	47.5	47.5	48.7	47.5
32.5°	45.4	42.1	42.1	43.2	43.2
35°	40.0	37.8	37.8	37.8	37.8
37.5°	34.6	32.4	32.4	32.4	32.4
40°	30.2	28.1	27.0	28.1	28.1
42.5°	26.0	23.7	22.7	22.7	22.7
45°	22.7	19.4	18.3	19.4	19.4
47.5°	18.3	16.2	16.2	17.3	17.3
50°	14.0	14.0	15.2	17.3	17.3
52.5°	12.9	12.9	15.2	17.3	17.3
55°	11.9	12.9	15.2	16.2	17.3
57.5°	10.8	12.9	15.2	16.2	16.2
60°	10.8	11.9	14.0	16.2	16.2
62.5°	9.8	10.8	12.9	15.2	15.2
65°	9.8	10.8	12.9	15.2	15.2
66°	9.8	10.8	12.9	15.2	15.2
67.5°	9.8	10.8	12.9	15.2	15.2
70°	9.8	10.8	12.9	14.0	14.0
72.5°	8.7	9.8	11.9	14.0	14.0
75°	8.7	9.8	11.9	14.0	14.0
77.5°	8.7	9.8	11.9	14.0	14.0
80°	8.7	9.8	11.9	12.9	14.0
82.5°	7.5	9.8	10.8	12.9	12.9
85°	7.5	8.7	10.8	11.9	12.9
87.5°	6.5	7.5	8.7	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)