

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: P181349

Luminaire Tested: **ICM-E04-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181349
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-E04-LED-E1-T3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066.4 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

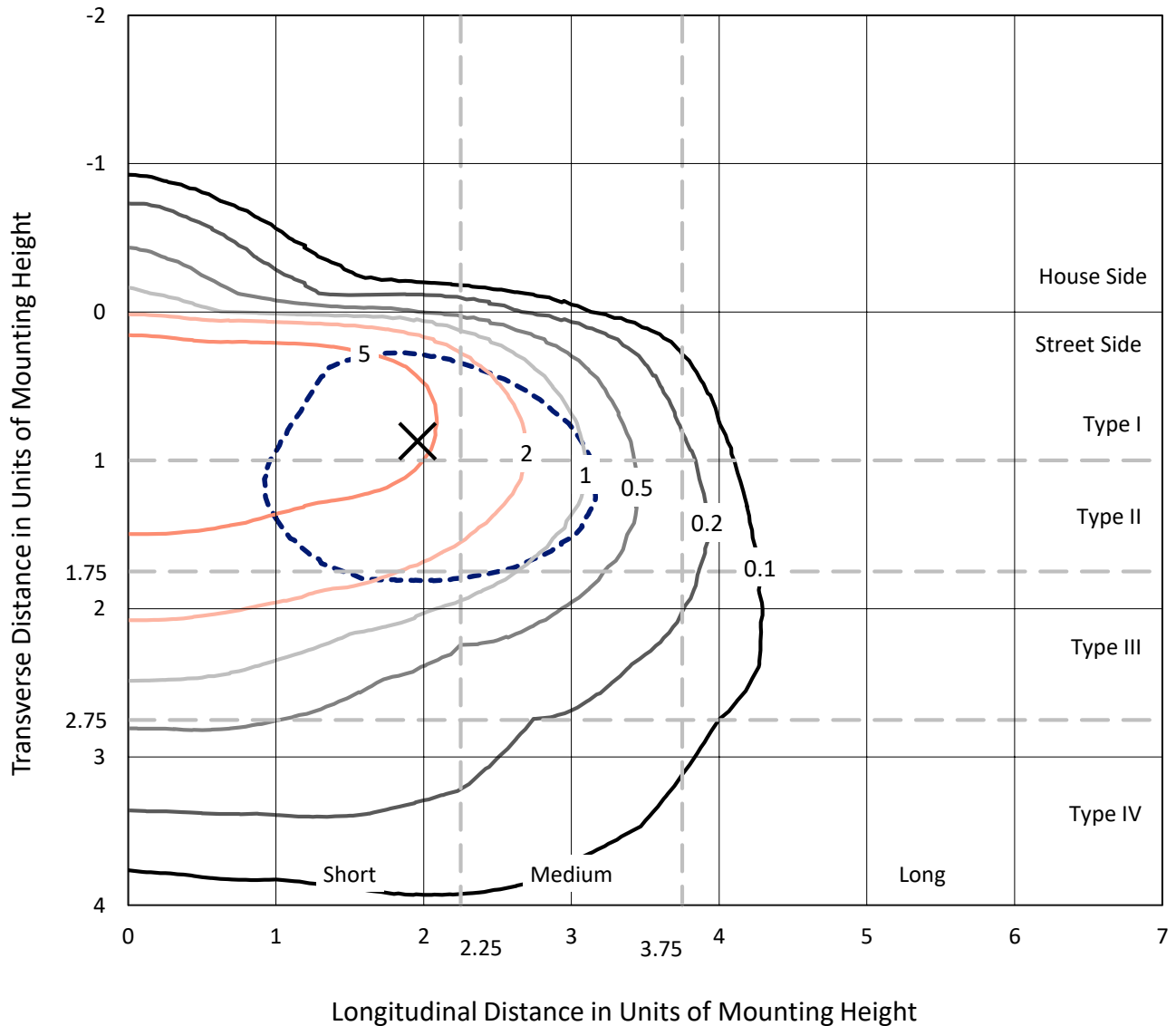
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

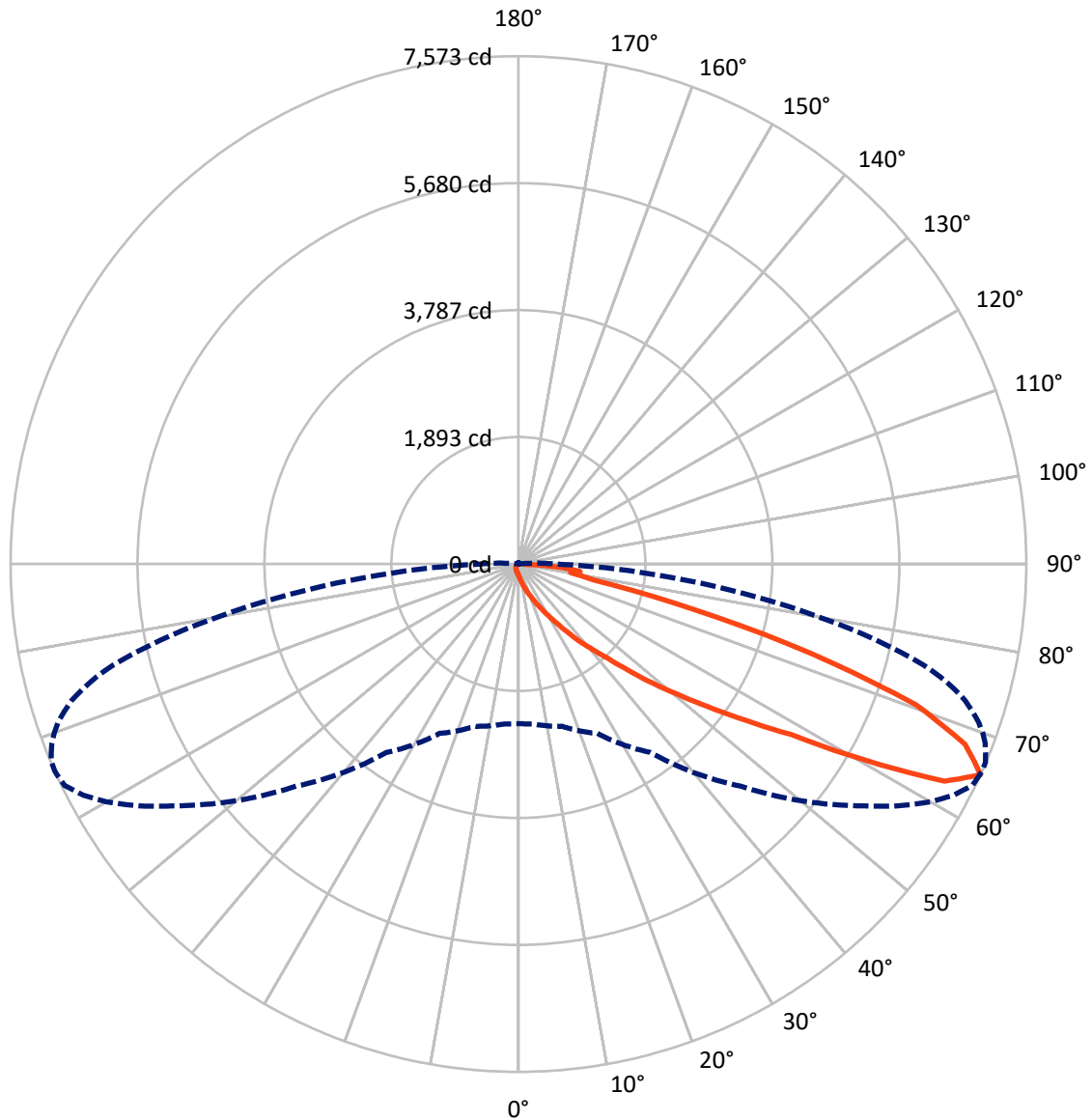


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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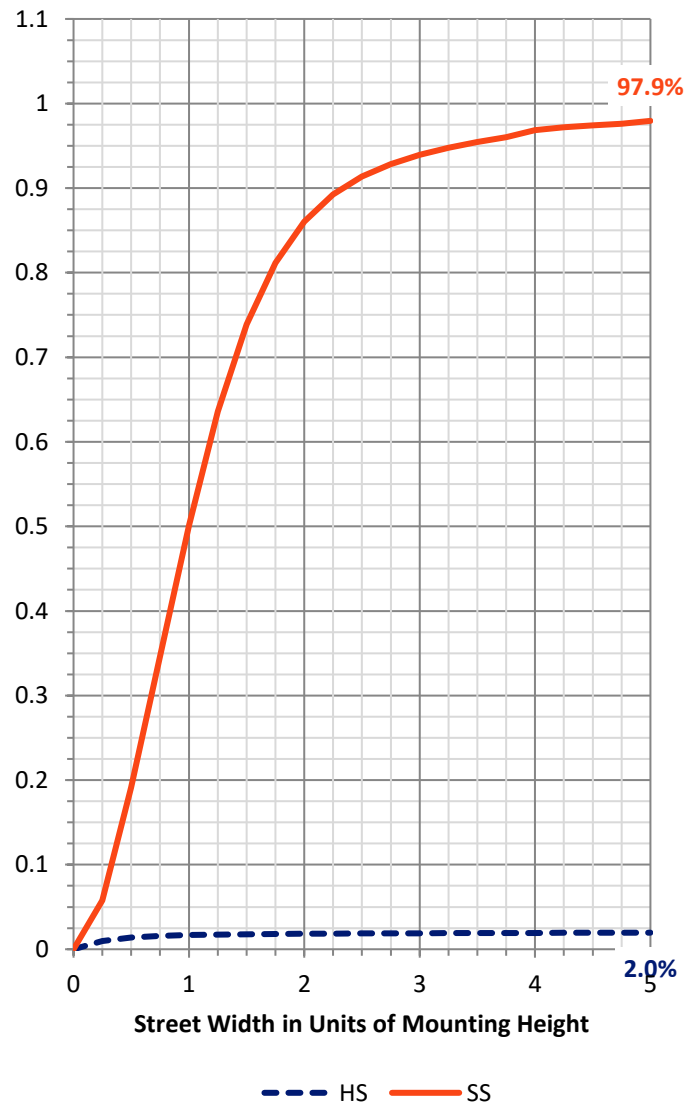
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	121.8	0.0	121.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	5944.5	0.0	5944.5
	% Fixture	98.0	0.0	98.0
Total	Lumens	6066.4	0.0	6066.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.3
10°-20°	98.6	1.6
20°-30°	225.3	3.7
30°-40°	428.7	7.1
40°-50°	860.4	14.2
50°-60°	1522.5	25.1
60°-70°	1989.2	32.8
70°-80°	817.9	13.5
80°-90°	103.0	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°	6066.4	100.0
0°-180°	6066.4	100.0



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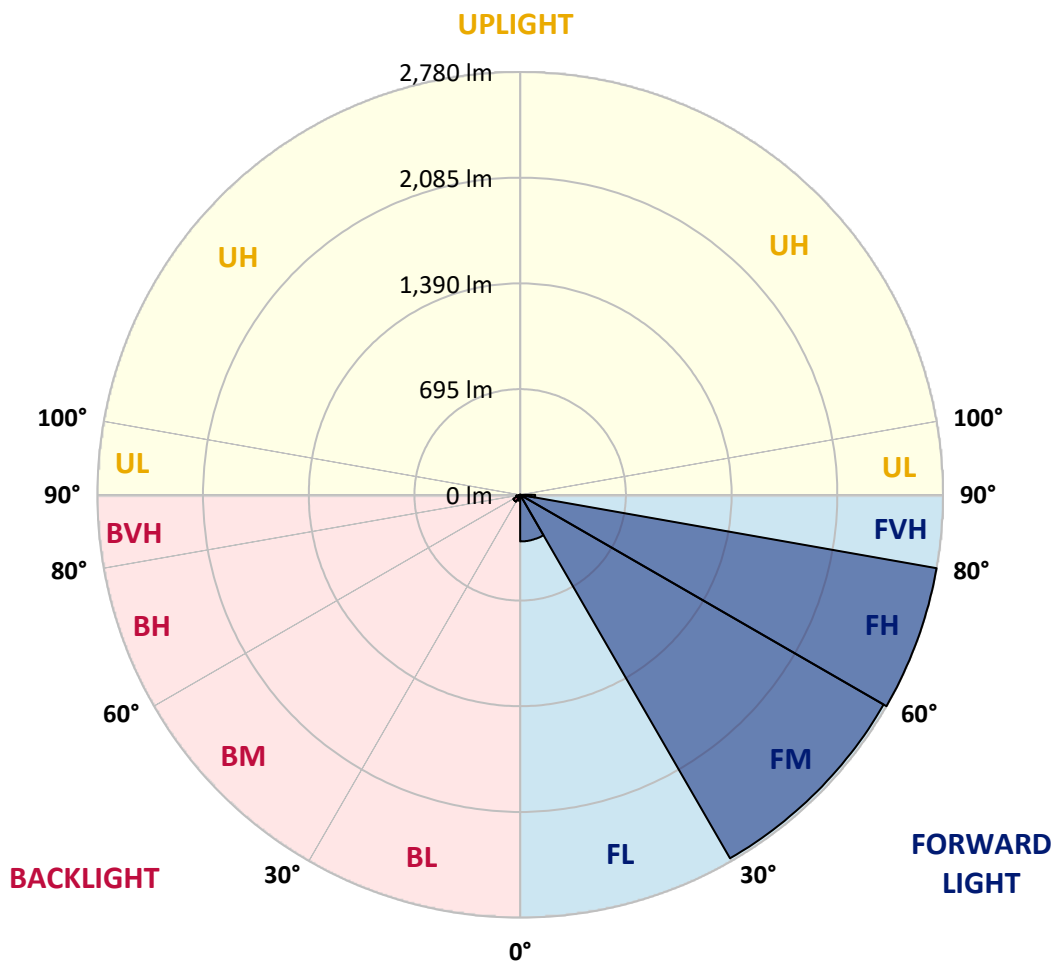
CATALOG NUMBER: ICM-E04-LED-E1-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.5	5.1			
FM	(30°-60°)	2759.4	45.5			
FH	(60°-80°)	2780.2	45.8			G2/5000
FVH	(80°-90°)	98.4	1.6			G1/100
BL	(0°-30°)	38.1	0.6	B0/110		
BM	(30°-60°)	52.1	0.9	B0/220		
BH	(60°-80°)	27.0	0.4	B0/110		G0/110
BVH	(80°-90°)	4.6	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°	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2.5°	223.3	219.5	220.7	213.3	208.4	202.1	197.2	196.0	194.7	192.3	193.5
5°	321.2	317.5	308.8	294.0	280.3	259.3	238.1	236.9	233.2	229.5	227.0
7.5°	446.5	440.3	430.4	405.6	372.1	334.9	292.7	289.0	284.0	279.1	274.1
10°	591.6	587.9	569.3	540.7	490.0	429.1	358.4	354.7	343.5	337.4	332.4
12.5°	744.2	728.1	720.7	671.0	612.7	529.6	439.1	425.4	416.7	408.1	395.6
15°	859.5	862.1	844.7	804.9	736.7	640.0	527.2	512.3	499.8	483.7	468.8
17.5°	963.7	958.8	940.2	915.4	850.9	752.8	621.4	601.6	581.7	573.0	551.9
20°	1048.1	1045.6	1030.7	1007.2	957.5	863.3	720.7	704.5	682.1	667.3	643.7
22.5°	1115.1	1115.1	1106.3	1092.8	1044.4	968.7	826.1	808.7	786.3	767.7	741.7
25°	1168.4	1167.2	1168.4	1162.1	1130.0	1060.5	934.0	914.1	895.5	873.2	848.4
27.5°	1229.1	1231.6	1229.1	1225.4	1211.8	1156.0	1043.1	1029.5	1008.4	984.8	960.0
30°	1323.4	1316.0	1314.7	1312.3	1296.1	1261.4	1156.0	1139.8	1123.7	1107.6	1090.2
32.5°	1422.6	1410.2	1406.5	1406.5	1395.4	1364.4	1286.2	1277.5	1254.0	1241.6	1226.7
35°	1535.5	1530.5	1525.6	1526.8	1521.9	1489.6	1425.1	1427.6	1420.2	1395.4	1380.5
37.5°	1700.5	1701.7	1693.0	1676.9	1676.9	1648.4	1611.2	1606.2	1587.6	1581.4	1572.8
40°	1936.1	1930.0	1922.5	1898.9	1890.2	1841.9	1807.2	1794.7	1779.8	1778.6	1768.7
42.5°	2209.0	2201.6	2201.6	2184.2	2166.8	2108.6	2042.8	2034.2	2018.0	2023.0	2019.3
45°	2462.1	2468.2	2476.9	2489.3	2491.8	2467.0	2371.5	2360.3	2351.6	2346.7	2343.0
47.5°	2680.3	2691.5	2720.0	2773.3	2841.6	2850.2	2774.6	2744.9	2738.6	2730.0	2722.5
50°	2836.6	2852.8	2917.2	3021.4	3154.2	3236.0	3195.1	3170.3	3169.0	3145.4	3143.0
52.5°	2925.9	2943.3	3048.7	3206.3	3412.1	3572.1	3623.0	3621.7	3619.3	3598.2	3589.5
55°	2945.8	2964.4	3090.9	3305.4	3599.4	3876.0	4070.7	4075.7	4086.8	4080.7	4080.7
57.5°	2891.2	2914.7	3052.4	3317.9	3697.4	4116.6	4542.1	4570.5	4584.2	4632.6	4688.4
60°	2790.7	2808.1	2945.8	3242.2	3714.7	4336.1	5154.7	5245.3	5316.0	5411.5	5502.1
62.5°	2604.7	2639.4	2770.9	3093.3	3662.6	4589.1	5886.5	6054.0	6191.7	6336.8	6511.7
65°	2378.9	2393.8	2505.4	2787.0	3429.5	4685.9	6290.9	6454.6	6630.7	6785.8	6942.1
67.5°	2096.1	2108.6	2205.3	2325.6	2830.4	4233.2	5892.8	6073.8	6232.6	6360.3	6565.0
70°	1373.0	1400.3	1637.2	1756.3	1978.3	3129.3	4818.6	4993.5	5115.1	5201.9	5438.8
72.5°	1005.9	1023.3	1118.8	1364.4	1418.9	1849.3	3391.0	3580.8	3625.4	3789.1	3899.6
75°	614.0	657.4	873.2	1168.4	1383.0	1266.3	2031.6	2123.5	2226.3	2345.4	2450.9
77.5°	124.0	141.4	285.3	804.9	1216.8	1353.2	1213.0	1230.4	1281.2	1292.4	1332.1
80°	19.8	21.1	37.2	347.3	704.5	1094.0	1213.0	1196.9	1168.4	1148.6	1128.7
82.5°	8.7	10.0	16.1	88.1	150.0	364.7	1049.3	1131.2	1225.4	1277.5	1291.2
85°	3.7	3.7	6.2	17.4	22.3	24.8	177.4	234.4	418.0	555.6	640.0
87.5°	2.5	2.5	3.7	3.7	4.9	6.2	8.7	8.7	10.0	11.2	16.1
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°	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2.5°	193.5	192.3	192.3	188.6	188.6	187.3	187.3	186.0	186.0	183.5	184.8
5°	225.8	223.3	220.7	217.0	215.8	213.3	210.9	207.2	205.9	203.4	202.1
7.5°	269.1	266.7	261.7	254.2	249.3	244.4	239.4	234.4	230.7	227.0	224.5
10°	322.5	315.1	312.6	297.7	291.4	281.6	275.4	270.4	263.0	256.7	253.0
12.5°	387.0	380.7	368.4	348.6	338.6	330.0	318.8	308.8	301.4	290.2	282.8
15°	454.0	449.0	431.6	409.3	396.9	380.7	369.6	359.7	343.5	336.1	322.5
17.5°	538.3	523.4	506.0	473.8	457.7	444.0	424.2	409.3	399.4	377.0	364.7
20°	625.1	609.0	586.7	550.7	528.4	507.3	491.2	471.4	450.2	435.4	414.2
22.5°	724.4	698.3	680.9	636.3	610.2	587.9	560.7	539.5	518.4	494.9	471.4
25°	829.8	803.7	782.6	731.8	704.5	682.1	650.0	620.2	594.1	568.1	540.7
27.5°	940.2	916.6	893.0	840.9	817.4	786.3	756.6	721.9	688.4	664.8	627.6
30°	1067.9	1048.1	1022.1	966.2	940.2	907.9	876.9	836.0	803.7	771.4	735.5
32.5°	1205.6	1189.5	1162.1	1112.6	1081.6	1054.2	1020.8	981.1	935.2	901.7	859.5
35°	1373.0	1345.8	1329.6	1282.5	1258.9	1229.1	1194.4	1159.7	1111.4	1064.2	1028.2
37.5°	1564.0	1551.6	1530.5	1485.9	1468.6	1437.5	1415.2	1380.5	1343.3	1283.7	1245.3
40°	1760.0	1751.4	1732.8	1688.1	1670.7	1649.6	1623.5	1590.1	1545.4	1514.4	1457.4
42.5°	2009.3	1995.6	1980.8	1938.6	1905.1	1879.1	1867.9	1839.4	1792.3	1752.6	1707.9
45°	2325.6	2319.4	2299.5	2257.4	2223.9	2206.5	2189.1	2140.8	2109.8	2070.1	2039.1
47.5°	2707.6	2687.7	2677.9	2630.7	2619.6	2605.9	2561.2	2534.0	2489.3	2458.3	2419.8
50°	3120.7	3099.6	3100.8	3043.7	3046.3	3036.3	3002.8	2970.5	2932.1	2904.9	2881.2
52.5°	3564.7	3574.6	3549.8	3567.2	3547.3	3525.0	3518.8	3479.1	3445.6	3444.4	3412.1
55°	4110.4	4094.3	4100.5	4117.9	4090.5	4115.4	4103.0	4052.1	4053.3	4063.3	4026.1
57.5°	4697.1	4720.7	4771.5	4782.6	4829.8	4797.5	4881.9	4821.1	4858.4	4858.4	4833.5
60°	5557.9	5652.1	5774.9	5870.5	5958.5	5930.0	6040.3	5970.9	6020.5	5978.4	5957.2
62.5°	6594.7	6720.0	6865.2	7020.2	7109.5	7131.9	7115.7	7146.7	7098.4	7067.3	6986.7
65°	7093.3	7217.4	7344.0	7530.0	7554.7	7573.3	7565.9	7513.8	7454.3	7366.3	7260.8
67.5°	6679.1	6852.8	6923.5	7138.0	7210.0	7184.0	7192.6	7125.6	7032.6	6945.8	6790.7
70°	5538.0	5736.5	5773.7	6081.2	6166.8	6290.9	6246.3	6226.4	6124.7	6051.5	5880.3
72.5°	4032.3	4187.3	4174.9	4521.0	4506.1	4557.0	4677.2	4672.3	4565.6	4542.1	4398.2
75°	2481.9	2574.9	2570.0	2815.6	2712.6	2697.7	2731.2	2716.3	2615.8	2511.6	2422.3
77.5°	1314.7	1356.9	1312.3	1239.1	1231.6	1148.6	1124.9	1123.7	1046.8	952.6	883.1
80°	1107.6	1064.2	1012.1	905.4	843.4	787.6	735.5	687.2	635.1	565.6	481.2
82.5°	1293.7	1272.6	1235.4	1101.4	1036.9	925.3	842.1	764.0	668.6	596.6	488.7
85°	630.1	628.8	658.6	644.9	621.4	616.5	534.6	517.2	478.8	439.1	367.2
87.5°	17.4	12.4	14.9	12.4	14.9	16.1	11.2	26.0	16.1	14.9	17.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2.5°	183.5	182.3	181.1	181.1	179.8	179.8	178.6	177.4	177.4	176.1	176.1
5°	199.7	197.2	196.0	194.7	192.3	191.0	188.6	187.3	184.8	183.5	181.1
7.5°	219.5	217.0	212.1	209.6	205.9	204.7	198.4	196.0	193.5	191.0	187.3
10°	244.4	238.1	233.2	228.2	222.0	217.0	212.1	208.4	203.4	197.2	194.7
12.5°	275.4	266.7	259.3	250.5	243.1	235.6	227.0	220.7	213.3	207.2	200.9
15°	310.0	297.7	287.7	275.4	263.0	254.2	245.6	236.9	227.0	218.3	210.9
17.5°	349.8	333.7	320.0	305.1	291.4	279.1	264.2	253.0	241.9	229.5	219.5
20°	391.9	375.8	357.2	341.1	321.2	307.6	289.0	274.1	258.0	245.6	231.9
22.5°	447.7	426.7	403.1	380.7	359.7	338.6	318.8	300.2	280.3	261.7	248.1
25°	513.5	487.4	457.7	435.4	405.6	382.0	357.2	333.7	312.6	289.0	266.7
27.5°	595.4	560.7	528.4	497.4	465.1	435.4	403.1	375.8	347.3	320.0	295.2
30°	690.9	657.4	609.0	574.2	542.0	501.1	468.8	432.8	400.7	360.9	333.7
32.5°	817.4	774.0	723.1	677.2	635.1	589.1	544.5	498.6	456.5	420.5	379.5
35°	982.3	931.4	870.7	812.4	765.3	709.5	652.4	600.3	551.9	499.8	449.0
37.5°	1190.7	1143.5	1077.9	1007.2	943.9	876.9	817.4	744.2	679.7	616.5	551.9
40°	1397.9	1354.4	1286.2	1210.5	1128.7	1051.8	976.1	893.0	811.2	731.8	664.8
42.5°	1653.3	1588.8	1515.6	1430.1	1350.7	1258.9	1164.7	1069.1	971.2	875.6	780.2
45°	1974.6	1924.9	1822.1	1730.2	1636.0	1528.1	1411.5	1302.3	1177.0	1064.2	937.7
47.5°	2365.3	2276.0	2200.3	2116.0	1998.2	1894.0	1745.1	1616.1	1459.8	1309.8	1158.4
50°	2826.7	2777.0	2676.6	2571.2	2443.5	2319.4	2174.2	1988.2	1800.9	1640.9	1433.8
52.5°	3366.3	3295.6	3232.3	3123.1	2992.9	2834.2	2669.1	2467.0	2237.5	2011.8	1791.0
55°	4006.3	3956.6	3895.8	3809.0	3642.8	3463.0	3264.5	3022.6	2751.0	2447.2	2190.4
57.5°	4832.3	4780.2	4721.9	4543.3	4430.4	4209.6	3921.9	3671.4	3378.6	2989.1	2670.4
60°	5959.8	5889.1	5807.2	5662.1	5426.4	5139.8	4831.0	4460.2	4101.7	3676.3	3258.3
62.5°	6923.5	6810.6	6635.7	6448.4	6165.6	5837.0	5448.7	5012.1	4604.0	4125.3	3660.2
65°	7121.9	6966.8	6761.0	6516.6	6225.2	5854.3	5448.7	5030.7	4550.7	4100.5	3632.9
67.5°	6605.9	6426.1	6215.2	5942.4	5664.5	5282.5	4932.8	4507.3	4055.8	3666.3	3248.4
70°	5757.5	5490.9	5275.1	4984.9	4703.3	4403.1	4034.7	3716.0	3348.9	2990.4	2670.4
72.5°	4323.7	4060.8	3864.9	3632.9	3465.4	3147.9	2877.5	2639.4	2422.3	2154.4	1917.5
75°	2330.5	2133.3	2001.9	1896.5	1746.3	1536.8	1407.7	1244.0	1152.3	1040.7	932.7
77.5°	760.3	669.8	571.8	476.3	409.3	307.6	297.7	236.9	223.3	217.0	167.4
80°	389.5	300.2	217.0	156.3	119.1	105.4	100.5	95.5	90.5	86.8	80.7
82.5°	390.7	282.8	194.7	135.2	98.0	81.9	76.9	74.4	70.7	67.0	62.0
85°	285.3	210.9	145.1	99.3	68.2	54.6	52.1	48.4	45.9	44.7	39.7
87.5°	18.6	13.7	12.4	11.2	11.2	11.2	12.4	11.2	12.4	12.4	11.2
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2.5°	174.9	173.7	173.7	172.4	171.2	171.2	170.0	170.0	166.2	160.0	155.1
5°	179.8	177.4	176.1	174.9	173.7	171.2	170.0	168.7	162.5	150.0	140.2
7.5°	183.5	181.1	179.8	177.4	173.7	172.4	170.0	167.4	157.5	140.2	129.0
10°	189.8	186.0	182.3	178.6	174.9	172.4	168.7	166.2	151.3	131.4	120.3
12.5°	196.0	191.0	186.0	179.8	176.1	172.4	168.7	163.7	146.3	124.0	111.6
15°	203.4	196.0	189.8	183.5	177.4	172.4	166.2	162.5	141.4	117.9	106.7
17.5°	210.9	202.1	193.5	184.8	178.6	171.2	166.2	160.0	136.5	112.8	100.5
20°	219.5	207.2	198.4	188.6	179.8	171.2	163.7	157.5	131.4	106.7	94.2
22.5°	231.9	217.0	203.4	192.3	181.1	172.4	163.7	155.1	126.5	101.7	89.3
25°	248.1	229.5	213.3	199.7	186.0	174.9	164.9	156.3	122.8	98.0	83.1
27.5°	271.6	248.1	230.7	212.1	194.7	181.1	168.7	158.8	120.3	94.2	79.3
30°	300.2	276.6	249.3	227.0	208.4	189.8	176.1	161.2	117.9	90.5	74.4
32.5°	342.3	308.8	276.6	249.3	223.3	202.1	182.3	167.4	116.6	84.4	69.5
35°	403.1	357.2	318.8	282.8	246.8	220.7	197.2	177.4	115.3	79.3	64.5
37.5°	490.0	435.4	385.8	334.9	290.2	253.0	220.7	194.7	115.3	75.6	59.5
40°	583.0	512.3	449.0	385.8	328.7	281.6	238.1	205.9	112.8	70.7	54.6
42.5°	688.4	601.6	514.7	436.6	365.9	305.1	254.2	214.6	106.7	65.8	49.6
45°	829.8	715.6	611.4	511.0	419.3	339.8	275.4	224.5	100.5	62.0	44.7
47.5°	1007.2	874.4	739.3	612.7	492.4	391.9	306.3	240.7	96.7	57.0	40.9
50°	1271.4	1082.8	904.2	743.0	590.4	458.9	352.3	264.2	93.0	53.3	37.2
52.5°	1561.6	1329.6	1120.0	912.8	723.1	549.5	405.6	295.2	89.3	49.6	33.5
55°	1915.1	1629.8	1374.2	1105.1	862.1	654.9	471.4	330.0	84.4	45.9	31.0
57.5°	2351.6	1990.7	1688.1	1359.4	1054.2	791.4	559.4	388.2	79.3	40.9	27.3
60°	2839.1	2431.0	2050.2	1664.5	1294.9	972.4	689.6	471.4	74.4	36.0	23.5
62.5°	3190.1	2742.3	2307.0	1874.2	1468.6	1107.6	795.1	535.8	67.0	31.0	21.1
65°	3186.3	2732.4	2294.6	1867.9	1473.5	1112.6	798.8	548.2	59.5	27.3	18.6
67.5°	2839.1	2457.0	2066.3	1683.1	1338.3	1012.1	739.3	508.6	50.9	24.8	16.1
70°	2335.5	2031.6	1722.8	1418.9	1142.3	867.0	638.8	442.8	43.4	22.3	13.7
72.5°	1705.4	1483.5	1294.9	1080.3	891.8	684.7	509.8	347.3	34.7	18.6	12.4
75°	847.2	757.9	650.0	583.0	497.4	406.8	316.3	202.1	28.6	14.9	11.2
77.5°	161.2	143.9	137.7	119.1	109.1	96.7	85.6	60.7	22.3	11.2	10.0
80°	74.4	68.2	62.0	55.8	49.6	42.1	37.2	32.3	17.4	8.7	11.2
82.5°	58.3	53.3	47.2	42.1	37.2	32.3	27.3	23.5	11.2	7.4	11.2
85°	38.4	33.5	29.8	26.0	22.3	19.8	17.4	14.9	7.4	7.4	7.4
87.5°	11.2	11.2	10.0	10.0	8.7	8.7	7.4	7.4	6.2	6.2	6.2
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):

	125°	135°	145°	155°	165°	175°	180°
0°	168.7	168.7	168.7	168.7	168.7	168.7	168.7
2.5°	150.0	143.9	141.4	140.2	140.2	141.4	140.2
5°	132.7	126.5	124.0	121.6	121.6	121.6	122.8
7.5°	121.6	115.3	111.6	110.4	109.1	110.4	110.4
10°	111.6	106.7	101.7	99.3	99.3	99.3	99.3
12.5°	104.2	98.0	93.0	91.8	90.5	90.5	90.5
15°	98.0	90.5	86.8	84.4	83.1	83.1	84.4
17.5°	90.5	84.4	79.3	78.1	78.1	78.1	78.1
20°	85.6	78.1	74.4	71.9	71.9	71.9	71.9
22.5°	79.3	73.2	68.2	65.8	65.8	65.8	65.8
25°	74.4	68.2	63.3	60.7	60.7	60.7	60.7
27.5°	69.5	63.3	58.3	55.8	55.8	55.8	55.8
30°	64.5	58.3	53.3	50.9	50.9	50.9	50.9
32.5°	60.7	53.3	48.4	45.9	45.9	47.2	45.9
35°	54.6	48.4	43.4	40.9	40.9	40.9	40.9
37.5°	49.6	43.4	38.4	36.0	36.0	36.0	34.7
40°	45.9	38.4	33.5	31.0	29.8	29.8	29.8
42.5°	39.7	32.3	28.6	26.0	24.8	24.8	24.8
45°	36.0	28.6	23.5	21.1	21.1	21.1	21.1
47.5°	32.3	24.8	19.8	17.4	17.4	18.6	18.6
50°	28.6	21.1	16.1	16.1	16.1	17.4	17.4
52.5°	24.8	18.6	14.9	14.9	16.1	17.4	17.4
55°	22.3	16.1	13.7	14.9	16.1	17.4	17.4
57.5°	19.8	13.7	13.7	14.9	16.1	17.4	17.4
60°	17.4	12.4	12.4	13.7	16.1	17.4	17.4
62.5°	14.9	12.4	12.4	13.7	16.1	17.4	17.4
65°	13.7	12.4	12.4	13.7	16.1	17.4	17.4
67.5°	12.4	11.2	12.4	13.7	14.9	16.1	16.1
70°	11.2	11.2	12.4	13.7	14.9	16.1	16.1
72.5°	11.2	11.2	11.2	12.4	13.7	14.9	14.9
75°	11.2	11.2	11.2	12.4	13.7	14.9	14.9
77.5°	11.2	10.0	10.0	11.2	13.7	14.9	14.9
80°	11.2	10.0	10.0	11.2	12.4	14.9	14.9
82.5°	8.7	8.7	10.0	11.2	12.4	13.7	13.7
85°	7.4	8.7	8.7	10.0	11.2	13.7	13.7
87.5°	6.2	6.2	7.4	8.7	10.0	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)