

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: P181178

Luminaire Tested: **ICM-E04-LED-E1-T2-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181178  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)  
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-T2-HSS  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD  
Light Source: (84) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5958.3 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 97.2  
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

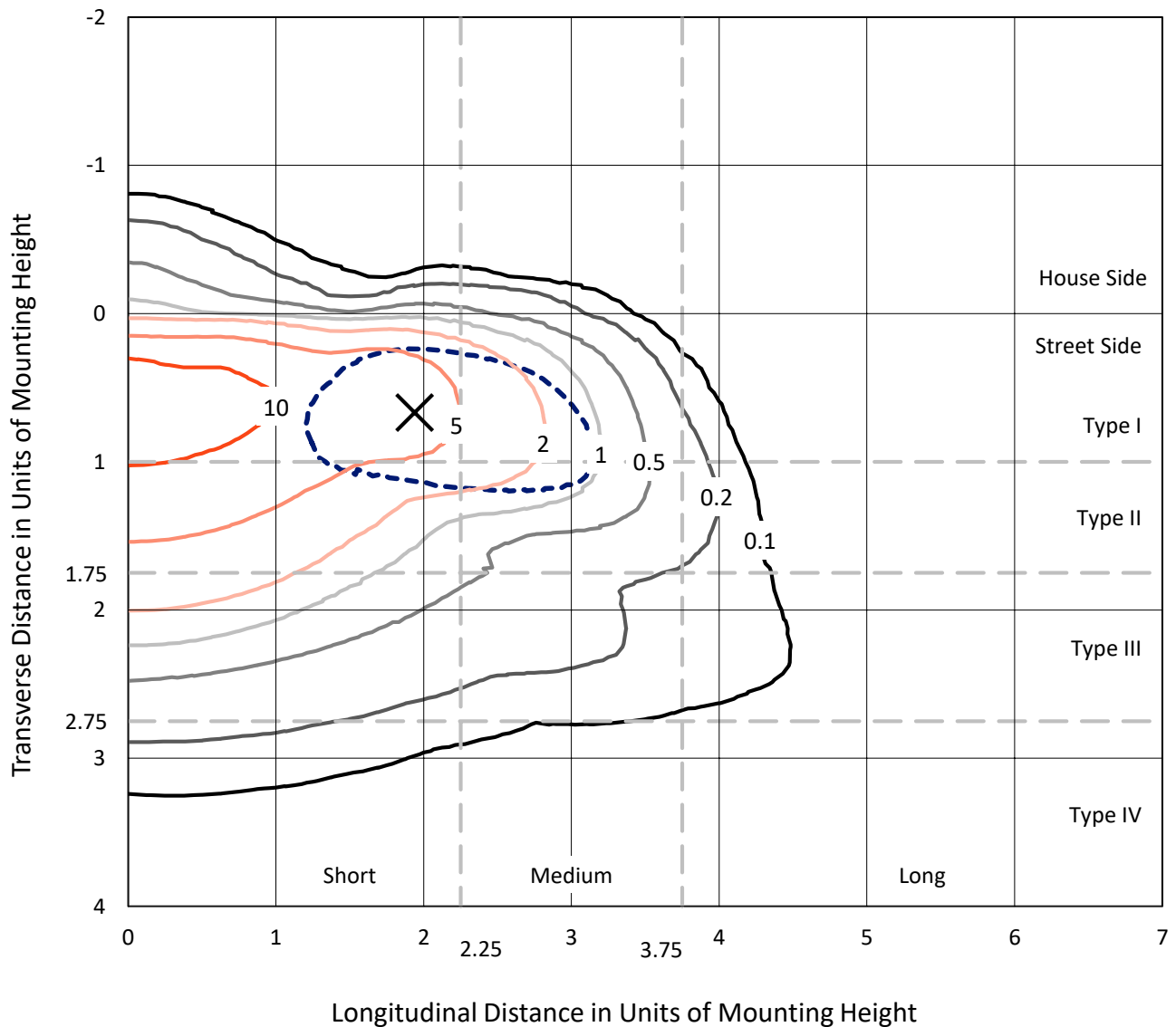


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

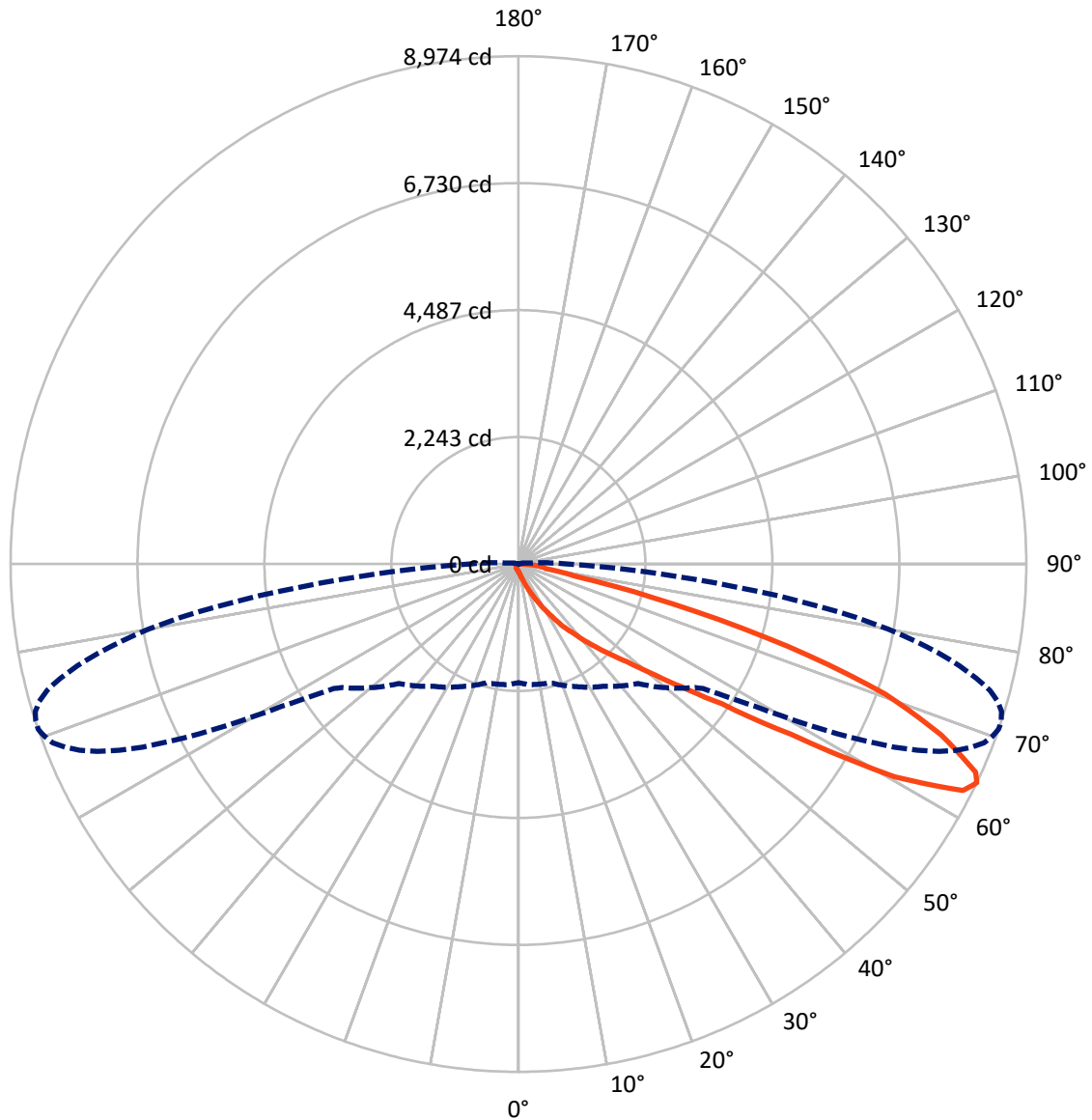


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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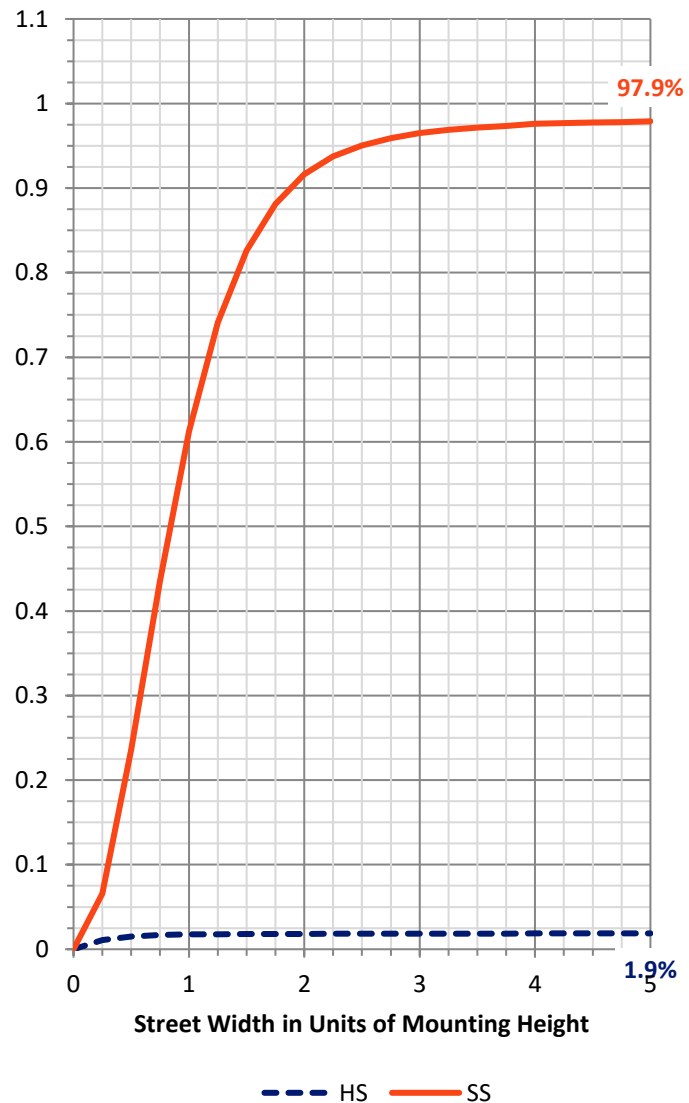
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	114.1	0.0	114.1
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	5844.3	0.0	5844.3
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	5958.3	0.0	5958.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	107.7	1.8
20°-30°	275.2	4.6
30°-40°	556.6	9.3
40°-50°	1017.4	17.1
50°-60°	1585.0	26.6
60°-70°	1761.8	29.6
70°-80°	574.6	9.6
80°-90°	61.8	1.0
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°	5958.3	100.0
0°-180°	5958.3	100.0

**Coefficient of Utilization**



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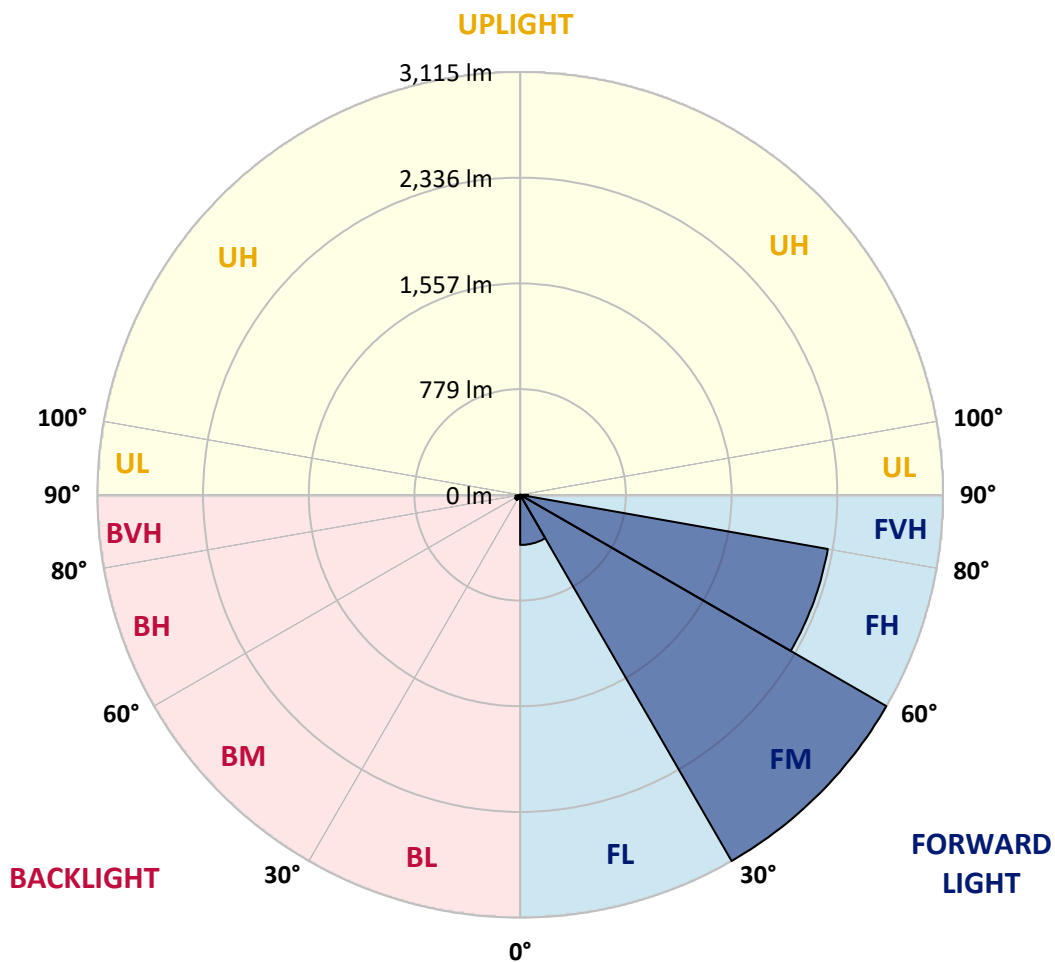
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.4	6.2			
FM (30°-60°)	3114.9	52.3			
FH (60°-80°)	2301.2	38.6			G2/5000
FVH (80°-90°)	58.8	1.0			G1/100
BL (0°-30°)	31.8	0.5	B0/110		
BM (30°-60°)	44.1	0.7	B0/220		
BH (60°-80°)	35.2	0.6	B0/110		G0/110
BVH (80°-90°)	3.0	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	178.6	176.1	176.1	172.4	167.4	162.5	157.5	156.3	155.1	153.8	153.8
5°	280.3	270.4	266.7	253.0	235.6	214.6	196.0	191.0	191.0	187.3	184.8
7.5°	440.3	435.4	409.3	395.6	354.7	303.9	250.5	245.6	244.4	239.4	231.9
10°	644.9	635.1	616.5	576.7	502.3	414.2	338.6	326.2	317.5	307.6	297.7
12.5°	849.6	837.2	810.0	745.4	671.0	558.1	436.6	425.4	411.8	398.1	382.0
15°	1054.2	1045.6	1003.4	938.9	842.1	707.0	553.2	533.3	522.1	494.9	482.5
17.5°	1231.6	1220.5	1187.0	1113.8	1013.3	864.5	682.1	657.4	638.8	622.6	592.8
20°	1385.4	1374.2	1342.1	1281.2	1168.4	1022.1	821.1	808.7	775.2	750.4	733.0
22.5°	1479.7	1476.0	1454.9	1396.6	1296.1	1165.9	979.8	960.0	937.7	904.2	884.4
25°	1538.0	1534.2	1521.9	1480.9	1412.8	1317.2	1154.7	1130.0	1110.1	1080.3	1055.5
27.5°	1598.8	1596.3	1586.3	1550.4	1514.4	1454.9	1332.1	1318.4	1275.1	1257.7	1234.1
30°	1699.3	1688.1	1696.8	1679.4	1633.5	1596.3	1510.7	1490.9	1472.3	1442.5	1421.4
32.5°	1859.3	1840.7	1859.3	1840.7	1820.8	1776.1	1694.2	1688.1	1669.5	1650.9	1621.1
35°	2055.2	2047.7	2062.6	2078.8	2062.6	2003.1	1903.9	1885.3	1877.9	1848.1	1836.9
37.5°	2252.4	2266.1	2293.3	2329.3	2319.4	2276.0	2135.8	2118.4	2104.9	2078.8	2058.9
40°	2464.5	2465.8	2524.0	2576.1	2602.2	2576.1	2391.4	2377.7	2359.1	2321.9	2316.9
42.5°	2695.2	2685.3	2728.7	2787.0	2840.3	2876.3	2728.7	2702.6	2676.6	2634.4	2605.9
45°	2899.8	2899.8	2934.6	2989.1	3071.0	3161.6	3084.7	3057.4	3032.6	2997.9	2965.6
47.5°	3051.2	3052.4	3073.5	3152.9	3280.7	3415.8	3418.3	3423.3	3404.7	3363.7	3365.0
50°	3157.9	3144.2	3172.8	3249.6	3397.2	3609.3	3761.9	3770.5	3785.4	3751.9	3761.9
52.5°	3236.0	3229.8	3248.4	3312.9	3460.5	3719.7	4043.5	4080.7	4103.0	4107.9	4148.9
55°	3195.1	3198.8	3243.5	3336.5	3495.2	3792.9	4282.8	4343.6	4395.7	4440.3	4491.2
57.5°	3059.8	3071.0	3149.1	3294.3	3502.6	3852.4	4537.1	4630.1	4728.1	4847.2	4947.7
60°	2844.0	2870.1	2975.6	3178.9	3430.7	3774.3	4612.8	4755.4	4905.4	5086.5	5288.7
62.5°	2527.7	2532.8	2602.2	2799.4	3077.2	3358.8	4265.4	4447.7	4646.3	4907.9	5190.7
64°	2094.9	2139.5	2171.8	2388.9	2636.9	2987.9	3806.5	3933.0	4209.6	4530.9	4886.8
65°	1729.0	1782.3	1808.4	2025.4	2309.5	2644.4	3407.2	3542.3	3833.8	4160.0	4604.0
67.5°	1019.5	983.5	1059.3	1187.0	1425.1	1822.1	2298.3	2401.2	2618.3	3006.5	3361.2
70°	657.4	657.4	726.8	857.0	1077.9	1381.7	1578.9	1535.5	1581.4	1731.5	1982.1
72.5°	421.7	444.0	486.2	596.6	801.2	1158.4	1613.7	1409.0	1302.3	1252.8	1250.2
75°	192.3	204.7	250.5	316.3	427.9	755.4	1627.3	1538.0	1440.0	1345.8	1272.6
77.5°	40.9	47.2	79.3	163.7	208.4	348.6	1154.7	1288.7	1395.4	1426.3	1426.3
80°	21.1	22.3	33.5	76.9	89.3	117.9	445.3	585.4	721.9	901.7	1090.2
82.5°	8.7	10.0	19.8	34.7	37.2	36.0	117.9	148.8	204.7	297.7	444.0
85°	2.5	2.5	8.7	13.7	19.8	16.1	26.0	29.8	38.4	55.8	106.7
87.5°	0.0	0.0	1.2	2.5	3.7	6.2	7.4	7.4	7.4	7.4	7.4
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	152.6	152.6	151.3	150.0	150.0	147.6	147.6	146.3	146.3	145.1	145.1
5°	183.5	181.1	178.6	174.9	173.7	171.2	168.7	166.2	163.7	162.5	160.0
7.5°	228.2	225.8	218.3	213.3	207.2	203.4	198.4	194.7	191.0	188.6	183.5
10°	287.7	279.1	275.4	258.0	254.2	245.6	238.1	233.2	223.3	217.0	210.9
12.5°	372.1	356.0	349.8	320.0	311.4	298.9	290.2	277.9	266.7	259.3	248.1
15°	467.6	455.2	431.6	401.9	385.8	372.1	351.0	341.1	326.2	310.0	294.0
17.5°	581.7	559.4	533.3	494.9	475.1	454.0	434.1	413.0	388.2	373.3	356.0
20°	714.4	690.9	658.6	610.2	586.7	565.6	530.9	516.0	486.2	456.5	434.1
22.5°	859.5	836.0	804.9	750.4	719.4	684.7	656.1	630.1	595.4	565.6	539.5
25°	1023.3	996.0	972.4	909.1	870.7	834.7	803.7	757.9	728.1	693.3	657.4
27.5°	1209.3	1177.0	1146.1	1076.6	1040.7	1000.9	963.7	915.4	886.8	829.8	796.3
30°	1400.3	1360.7	1328.4	1257.7	1225.4	1184.5	1133.7	1090.2	1041.9	1003.4	948.8
32.5°	1601.2	1569.0	1543.0	1468.6	1427.6	1376.8	1330.9	1284.9	1242.8	1180.8	1131.2
35°	1815.8	1787.3	1758.8	1694.2	1658.3	1619.8	1567.7	1511.9	1453.7	1389.1	1344.5
37.5°	2041.6	2019.3	1996.9	1918.8	1876.6	1835.6	1776.1	1720.3	1668.2	1600.0	1524.4
40°	2278.4	2257.4	2221.4	2156.9	2112.3	2075.1	2020.5	1968.4	1897.7	1822.1	1755.1
42.5°	2576.1	2530.2	2499.3	2428.6	2381.4	2340.5	2292.1	2214.0	2154.4	2063.9	1999.4
45°	2924.7	2881.2	2830.4	2758.4	2700.2	2633.2	2564.9	2511.6	2437.2	2355.4	2272.3
47.5°	3316.6	3281.9	3222.3	3151.6	3093.3	3026.3	2945.8	2877.5	2787.0	2691.5	2578.6
50°	3748.2	3712.3	3672.6	3593.2	3534.9	3471.6	3408.4	3327.7	3245.9	3131.8	3015.2
52.5°	4148.9	4156.3	4132.8	4095.6	4067.0	4001.2	3943.0	3866.1	3794.2	3690.0	3599.4
55°	4544.5	4609.1	4633.8	4669.8	4682.2	4628.9	4627.7	4514.7	4471.4	4410.5	4358.4
57.5°	5066.7	5209.3	5322.2	5540.5	5632.3	5725.3	5742.6	5663.3	5745.2	5639.8	5675.7
60°	5510.7	5772.4	6052.8	6617.1	6899.9	7113.3	7284.4	7410.9	7492.8	7631.7	7639.1
62.5°	5550.5	5962.2	6388.9	7212.4	7599.4	7923.1	8232.0	8447.8	8618.9	8776.5	8814.9
64°	5360.7	5870.5	6388.9	7384.9	7780.5	8140.2	8421.7	8636.3	8811.2	8909.2	8973.7
65°	5015.8	5586.4	6183.0	7270.7	7678.8	8060.8	8330.0	8545.8	8710.8	8808.7	8875.7
67.5°	3716.0	4267.9	4867.0	6133.3	6775.9	7125.6	7470.5	7773.1	7905.8	8029.8	8053.4
70°	2264.9	2665.4	3078.4	4253.0	4849.6	5478.5	5866.7	6309.5	6619.6	6810.6	6873.8
72.5°	1366.8	1505.8	1752.6	2383.9	2955.6	3397.2	3934.3	4357.2	4704.5	4896.8	4993.5
75°	1216.8	1199.4	1231.6	1494.6	1698.0	1963.5	2158.2	2423.5	2638.2	2705.1	2830.4
77.5°	1406.5	1356.9	1306.1	1256.5	1246.5	1221.7	1182.1	1191.9	1097.7	1007.2	1009.6
80°	1252.8	1371.8	1442.5	1390.4	1272.6	1153.5	1007.2	824.8	644.9	533.3	486.2
82.5°	628.8	894.2	1149.8	1402.8	1385.4	1280.0	1118.8	919.1	711.9	547.0	436.6
85°	193.5	343.5	483.7	672.3	780.2	765.3	672.3	653.7	466.3	363.4	280.3
87.5°	8.7	8.7	8.7	7.4	8.7	8.7	8.7	10.0	10.0	11.2	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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	145.1	143.9	142.6	141.4	141.4	141.4	140.2	140.2	138.9	138.9	137.7
5°	160.0	157.5	156.3	153.8	153.8	151.3	150.0	148.8	146.3	145.1	143.9
7.5°	179.8	177.4	173.7	170.0	168.7	164.9	161.2	158.8	156.3	153.8	151.3
10°	205.9	200.9	193.5	188.6	184.8	179.8	174.9	171.2	166.2	161.2	158.8
12.5°	239.4	229.5	222.0	213.3	205.9	198.4	189.8	184.8	179.8	172.4	167.4
15°	277.9	267.9	259.3	244.4	231.9	222.0	214.6	203.4	194.7	184.8	177.4
17.5°	343.5	317.5	300.2	285.3	272.8	254.2	239.4	227.0	215.8	203.4	194.7
20°	408.1	385.8	362.1	344.8	317.5	301.4	281.6	264.2	244.4	229.5	214.6
22.5°	502.3	473.8	444.0	418.0	380.7	358.4	332.4	310.0	285.3	260.5	244.4
25°	621.4	579.3	539.5	502.3	467.6	434.1	400.7	364.7	338.6	308.8	281.6
27.5°	746.7	699.5	661.1	612.7	568.1	527.2	484.9	446.5	401.9	363.4	331.2
30°	904.2	839.7	795.1	736.7	692.1	635.1	583.0	532.1	477.5	432.8	387.0
32.5°	1064.2	1020.8	945.1	895.5	828.6	760.3	705.8	647.4	580.5	522.1	466.3
35°	1275.1	1200.7	1137.4	1067.9	994.7	924.0	853.3	770.2	702.1	630.1	561.9
37.5°	1461.1	1385.4	1312.3	1221.7	1138.6	1064.2	978.6	891.8	811.2	725.6	643.7
40°	1676.9	1582.6	1495.8	1411.5	1308.6	1220.5	1131.2	1023.3	930.2	836.0	739.3
42.5°	1912.6	1817.0	1714.2	1617.4	1504.5	1396.6	1286.2	1178.3	1074.1	960.0	847.2
45°	2170.5	2070.1	1954.7	1844.4	1721.6	1602.5	1471.0	1347.0	1224.2	1096.5	966.2
47.5°	2490.5	2361.6	2254.9	2117.2	1964.7	1839.4	1678.1	1536.8	1396.6	1247.7	1101.4
50°	2904.9	2758.4	2604.7	2452.1	2283.5	2124.7	1946.1	1778.6	1591.4	1425.1	1257.7
52.5°	3454.3	3345.1	3166.5	2991.6	2785.8	2583.6	2338.0	2120.9	1880.3	1668.2	1463.5
55°	4234.4	4162.5	4007.5	3816.5	3636.6	3341.4	3058.6	2721.2	2408.7	2103.5	1815.8
57.5°	5647.2	5569.1	5396.6	5350.7	5074.2	4857.1	4525.9	4089.3	3559.7	3093.3	2628.2
60°	7681.3	7528.7	7360.0	7329.1	7004.0	6775.9	6447.2	5982.1	5483.5	4739.3	4105.4
62.5°	8817.4	8771.5	8635.1	8467.7	8186.1	7847.5	7477.9	7027.7	6521.6	5869.2	5115.1
64°	8970.0	8927.8	8810.0	8621.4	8338.7	8002.6	7593.3	7144.2	6637.0	6041.6	5353.2
65°	8874.5	8814.9	8714.5	8540.8	8277.9	7955.4	7543.6	7088.4	6573.7	6000.7	5360.7
67.5°	8104.2	8077.0	7985.2	7824.0	7658.9	7368.7	7006.6	6599.8	6179.3	5611.2	5086.5
70°	6881.3	6861.4	6744.9	6680.3	6407.5	6223.9	5931.2	5611.2	5239.1	4843.5	4397.0
72.5°	5101.4	5034.4	4940.2	4842.2	4657.4	4405.6	4177.4	3836.3	3644.0	3310.4	3058.6
75°	2705.1	2663.0	2516.6	2311.9	2083.7	1965.9	1729.0	1516.9	1348.2	1272.6	1090.2
77.5°	935.2	852.1	770.2	678.4	538.3	424.2	338.6	270.4	213.3	188.6	157.5
80°	466.3	442.8	416.7	364.7	306.3	246.8	193.5	152.6	125.3	106.7	95.5
82.5°	378.3	334.9	298.9	261.7	209.6	172.4	136.5	111.6	91.8	80.7	70.7
85°	223.3	171.2	130.2	117.9	91.8	79.3	68.2	58.3	49.6	47.2	43.4
87.5°	8.7	11.2	11.2	8.7	11.2	10.0	10.0	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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	137.7	136.5	136.5	135.2	134.0	134.0	134.0	132.7	130.2	125.3	121.6
5°	142.6	141.4	140.2	137.7	136.5	135.2	134.0	134.0	127.7	119.1	112.8
7.5°	148.8	146.3	143.9	141.4	140.2	137.7	135.2	134.0	125.3	114.1	107.9
10°	155.1	151.3	147.6	146.3	142.6	140.2	136.5	134.0	124.0	110.4	101.7
12.5°	162.5	157.5	152.6	148.8	143.9	141.4	137.7	134.0	121.6	106.7	96.7
15°	171.2	163.7	157.5	153.8	148.8	142.6	137.7	134.0	119.1	103.0	91.8
17.5°	182.3	173.7	166.2	158.8	151.3	145.1	140.2	135.2	115.3	98.0	85.6
20°	199.7	188.6	176.1	167.4	157.5	150.0	141.4	135.2	112.8	93.0	80.7
22.5°	223.3	205.9	192.3	177.4	164.9	155.1	145.1	137.7	109.1	88.1	74.4
25°	256.7	234.4	212.1	193.5	177.4	163.7	151.3	141.4	106.7	84.4	70.7
27.5°	294.0	267.9	238.1	215.8	193.5	173.7	160.0	147.6	106.7	81.9	67.0
30°	346.0	308.8	272.8	244.4	214.6	192.3	172.4	156.3	106.7	80.7	63.3
32.5°	409.3	367.2	321.2	280.3	245.6	213.3	188.6	167.4	109.1	78.1	60.7
35°	497.4	435.4	380.7	330.0	284.0	246.8	214.6	186.0	112.8	76.9	57.0
37.5°	566.8	492.4	423.0	364.7	311.4	265.4	224.5	193.5	109.1	71.9	53.3
40°	650.0	565.6	481.2	408.1	347.3	287.7	240.7	203.4	106.7	65.8	48.4
42.5°	750.4	644.9	547.0	463.9	388.2	317.5	261.7	215.8	106.7	62.0	44.7
45°	844.7	729.3	620.2	516.0	427.9	349.8	281.6	229.5	105.4	58.3	39.7
47.5°	961.2	824.8	697.0	576.7	475.1	379.5	302.6	241.9	104.2	54.6	36.0
50°	1098.9	932.7	788.8	644.9	520.9	415.5	327.4	255.5	101.7	50.9	32.3
52.5°	1251.4	1072.8	889.3	723.1	578.0	454.0	351.0	267.9	98.0	47.2	28.6
55°	1521.9	1276.3	1059.3	853.3	664.8	511.0	385.8	286.5	94.2	43.4	24.8
57.5°	2170.5	1763.7	1456.1	1146.1	875.6	656.1	480.0	339.8	89.3	38.4	19.8
60°	3408.4	2737.4	2215.2	1737.7	1324.7	1007.2	707.0	502.3	95.5	32.3	17.4
62.5°	4372.1	3600.7	2935.8	2336.8	1814.6	1379.3	1029.5	750.4	137.7	28.6	13.7
64°	4623.9	3842.5	3133.0	2505.4	1962.2	1513.2	1148.6	848.4	177.4	28.6	12.4
65°	4661.1	3917.0	3203.7	2567.5	2013.0	1549.1	1183.3	880.7	193.5	29.8	11.2
67.5°	4507.3	3873.5	3224.9	2593.5	2051.5	1598.8	1230.4	931.4	218.3	28.6	8.7
70°	3936.8	3470.4	2937.0	2426.1	1934.9	1519.4	1183.3	903.0	228.2	27.3	7.4
72.5°	2679.1	2357.9	2042.8	1680.7	1347.0	1110.1	863.3	636.3	160.0	22.3	6.2
75°	893.0	870.7	778.9	590.4	496.1	403.1	322.5	248.1	60.7	13.7	6.2
77.5°	148.8	127.7	111.6	106.7	89.3	86.8	75.6	60.7	26.0	8.7	6.2
80°	86.8	79.3	69.5	62.0	54.6	48.4	40.9	34.7	16.1	6.2	7.4
82.5°	64.5	57.0	50.9	44.7	38.4	33.5	28.6	23.5	8.7	6.2	7.4
85°	37.2	32.3	28.6	24.8	19.8	17.4	14.9	12.4	6.2	6.2	6.2
87.5°	7.4	7.4	6.2	6.2	6.2	6.2	6.2	4.9	6.2	6.2	4.9
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):**

	125°	135°	145°	155°	165°	175°	180°
0°	132.7	132.7	132.7	132.7	132.7	132.7	132.7
2.5°	119.1	115.3	114.1	114.1	114.1	114.1	114.1
5°	109.1	105.4	103.0	101.7	101.7	101.7	101.7
7.5°	101.7	96.7	94.2	91.8	91.8	90.5	90.5
10°	94.2	89.3	85.6	83.1	81.9	81.9	81.9
12.5°	88.1	83.1	78.1	75.6	75.6	74.4	74.4
15°	83.1	75.6	71.9	69.5	69.5	68.2	68.2
17.5°	76.9	70.7	67.0	64.5	63.3	63.3	63.3
20°	70.7	64.5	60.7	59.5	58.3	58.3	57.0
22.5°	65.8	59.5	55.8	54.6	53.3	53.3	52.1
25°	60.7	54.6	50.9	49.6	48.4	47.2	47.2
27.5°	57.0	50.9	47.2	44.7	43.4	42.1	42.1
30°	53.3	45.9	42.1	39.7	38.4	37.2	37.2
32.5°	49.6	42.1	37.2	34.7	33.5	32.3	32.3
35°	44.7	37.2	32.3	31.0	29.8	28.6	27.3
37.5°	40.9	32.3	28.6	26.0	24.8	23.5	23.5
40°	36.0	28.6	24.8	22.3	19.8	18.6	18.6
42.5°	32.3	24.8	21.1	17.4	16.1	14.9	14.9
45°	28.6	22.3	17.4	13.7	12.4	11.2	11.2
47.5°	24.8	18.6	13.7	11.2	10.0	8.7	8.7
50°	21.1	14.9	10.0	7.4	8.7	7.4	7.4
52.5°	18.6	11.2	7.4	7.4	7.4	7.4	7.4
55°	14.9	8.7	6.2	6.2	7.4	7.4	7.4
57.5°	12.4	6.2	4.9	6.2	6.2	6.2	6.2
60°	8.7	4.9	4.9	6.2	6.2	6.2	6.2
62.5°	7.4	4.9	4.9	4.9	6.2	6.2	6.2
64°	6.2	4.9	4.9	4.9	6.2	6.2	6.2
65°	6.2	4.9	4.9	4.9	6.2	6.2	6.2
67.5°	6.2	4.9	4.9	4.9	6.2	6.2	6.2
70°	4.9	4.9	4.9	4.9	6.2	6.2	6.2
72.5°	4.9	4.9	4.9	4.9	6.2	6.2	6.2
75°	4.9	4.9	4.9	4.9	6.2	6.2	6.2
77.5°	4.9	4.9	4.9	6.2	6.2	6.2	6.2
80°	4.9	4.9	4.9	6.2	6.2	6.2	6.2
82.5°	4.9	4.9	4.9	6.2	6.2	6.2	6.2
85°	4.9	4.9	4.9	6.2	6.2	6.2	6.2
87.5°	4.9	4.9	4.9	6.2	6.2	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)