

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: P181167

Luminaire Tested: **ICM-F02-LED-E1-T2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181167
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-F02-LED-E1-T2-HSS-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2075.7 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

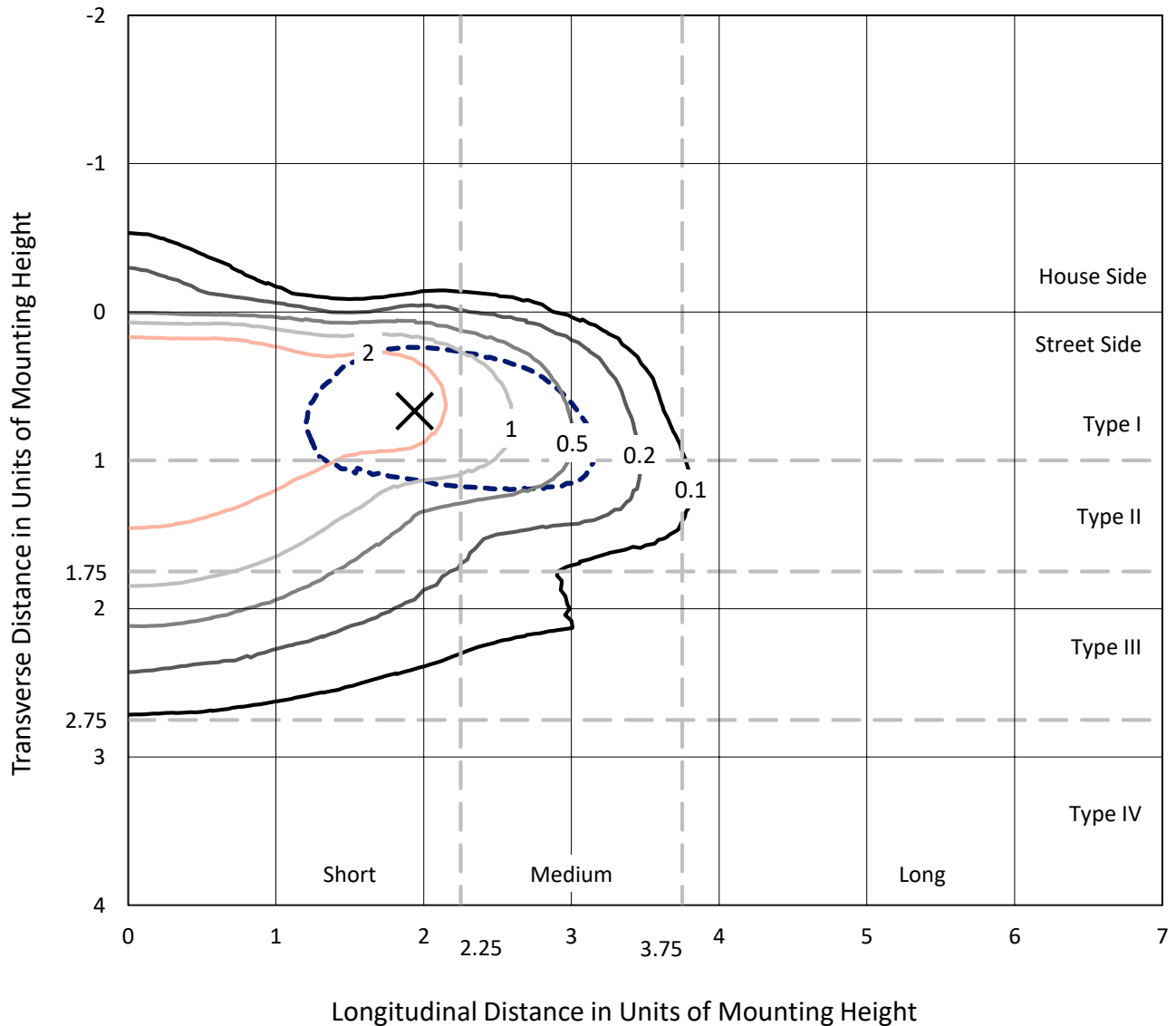
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

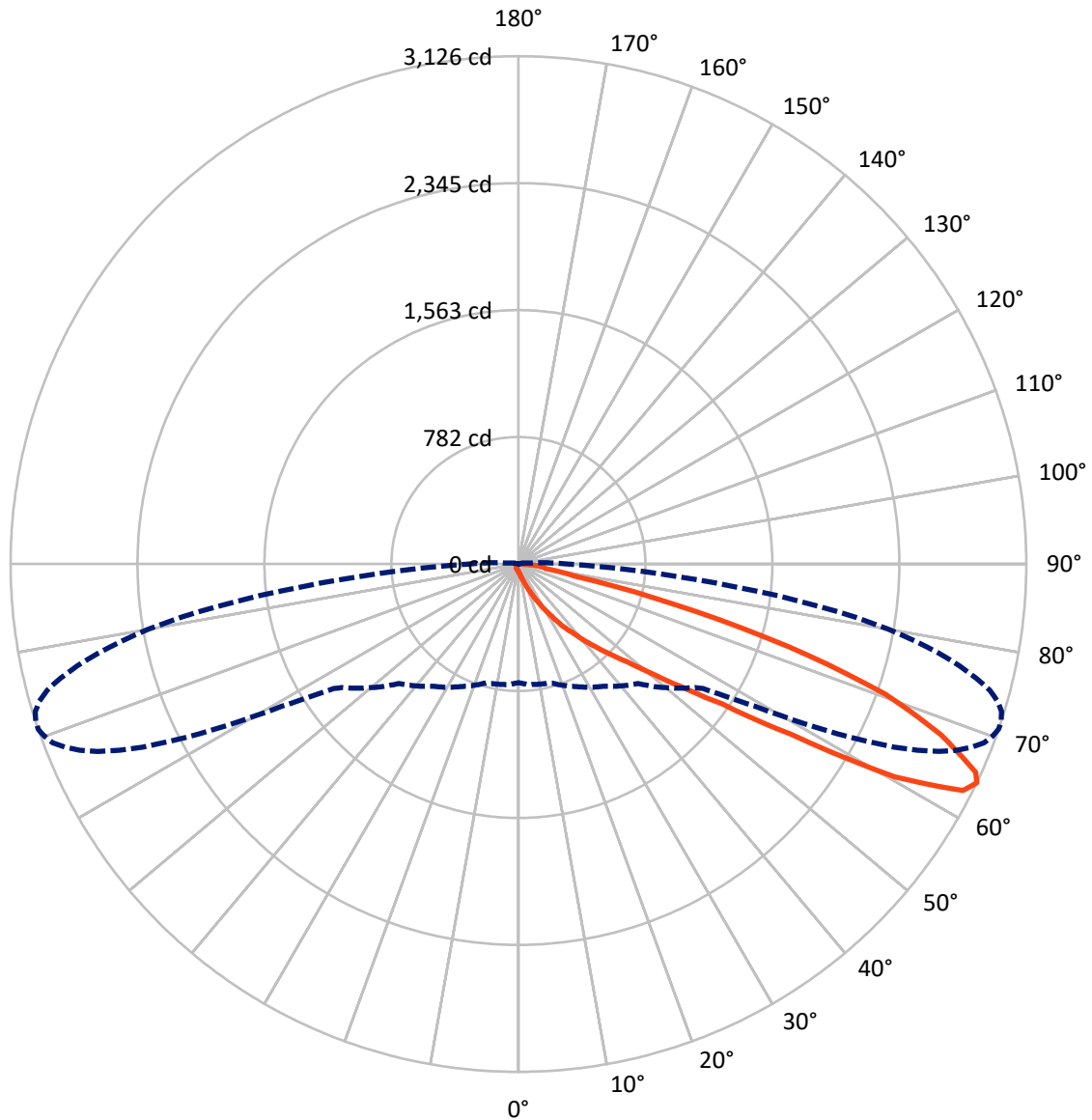
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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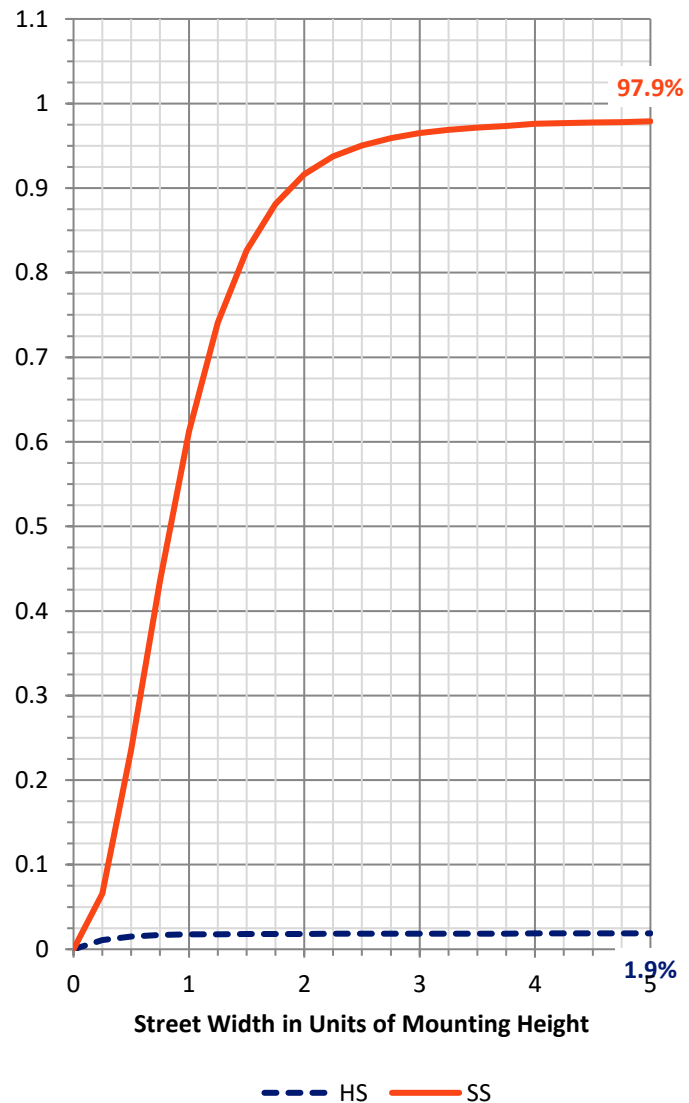
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.8	0.0	39.8
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2035.9	0.0	2035.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	2075.7	0.0	2075.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.3
10°-20°	37.5	1.8
20°-30°	95.9	4.6
30°-40°	193.9	9.3
40°-50°	354.4	17.1
50°-60°	552.2	26.6
60°-70°	613.8	29.6
70°-80°	200.2	9.6
80°-90°	21.5	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°	2075.7	100.0
0°-180°	2075.7	100.0



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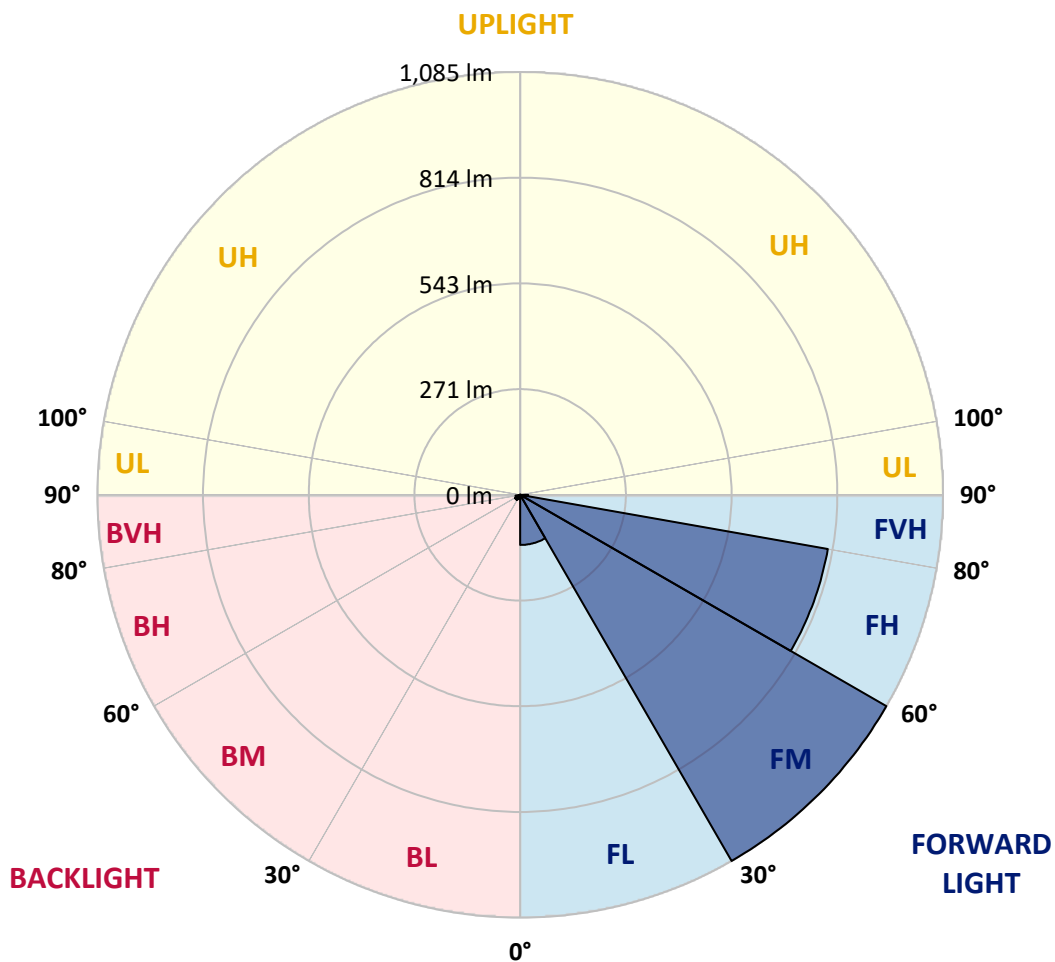
CATALOG NUMBER: ICM-F02-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.7	6.2			
FM (30°-60°)	1085.1	52.3			
FH (60°-80°)	801.7	38.6			G1/1800
FVH (80°-90°)	20.5	1.0			G1/100
BL (0°-30°)	11.1	0.5	B0/110		
BM (30°-60°)	15.4	0.7	B0/220		
BH (60°-80°)	12.3	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	62.2	61.4	61.4	60.1	58.3	56.6	54.9	54.4	54.0	53.6	53.6
5°	97.7	94.2	92.9	88.2	82.1	74.8	68.3	66.5	66.5	65.2	64.4
7.5°	153.4	151.6	142.6	137.9	123.5	105.9	87.3	85.6	85.1	83.3	80.8
10°	224.7	221.2	214.8	200.9	175.0	144.3	118.0	113.7	110.6	107.2	103.7
12.5°	296.0	291.6	282.1	259.7	233.8	194.4	152.1	148.2	143.4	138.7	133.1
15°	367.3	364.3	349.6	327.1	293.4	246.3	192.7	185.8	182.0	172.4	168.1
17.5°	429.0	425.2	413.5	388.0	353.0	301.1	237.7	229.0	222.5	216.9	206.5
20°	482.6	478.8	467.5	446.3	407.0	356.0	286.0	281.7	270.0	261.4	255.4
22.5°	515.4	514.1	506.8	486.5	451.5	406.1	341.3	334.4	326.7	315.0	308.1
25°	535.8	534.5	530.1	515.9	492.2	458.9	402.2	393.7	386.7	376.4	367.7
27.5°	556.9	556.1	552.7	540.1	527.5	506.8	464.1	459.4	444.2	438.1	430.0
30°	592.0	588.1	591.1	585.0	569.0	556.1	526.2	519.4	512.9	502.5	495.2
32.5°	647.7	641.2	647.7	641.2	634.3	618.8	590.2	588.1	581.6	575.1	564.7
35°	716.0	713.4	718.5	724.2	718.5	697.9	663.3	656.7	654.1	643.8	639.9
37.5°	784.7	789.4	798.9	811.4	808.0	792.8	744.1	738.0	733.2	724.2	717.3
40°	858.5	859.0	879.3	897.4	906.5	897.4	833.0	828.3	821.9	808.8	807.2
42.5°	938.9	935.4	950.6	970.9	989.5	1002.1	950.6	941.5	932.5	917.8	907.8
45°	1010.2	1010.2	1022.3	1041.3	1069.9	1101.4	1074.6	1065.1	1056.5	1044.4	1033.1
47.5°	1062.9	1063.4	1070.7	1098.3	1142.9	1190.0	1190.8	1192.6	1186.1	1171.8	1172.3
50°	1100.1	1095.4	1105.3	1132.1	1183.4	1257.4	1310.5	1313.6	1318.7	1307.1	1310.5
52.5°	1127.4	1125.1	1131.6	1154.1	1205.5	1295.8	1408.6	1421.6	1429.3	1431.1	1445.3
55°	1113.0	1114.3	1129.9	1162.3	1217.6	1321.3	1492.0	1513.1	1531.4	1546.9	1564.6
57.5°	1066.0	1069.9	1097.0	1147.6	1220.2	1342.1	1580.6	1612.9	1647.1	1688.6	1723.6
60°	990.8	999.8	1036.6	1107.4	1195.2	1314.8	1606.9	1656.7	1708.9	1772.0	1842.4
62.5°	880.6	882.3	906.5	975.3	1072.0	1170.1	1486.0	1549.5	1618.6	1709.8	1808.3
64°	729.8	745.3	756.6	832.2	918.6	1040.9	1326.1	1370.1	1466.5	1578.4	1702.4
65°	602.3	620.9	630.0	705.6	804.6	921.2	1187.0	1234.1	1335.5	1449.2	1603.9
67.5°	355.2	342.6	369.0	413.5	496.5	634.7	800.7	836.6	912.1	1047.4	1171.0
70°	229.0	229.0	253.2	298.6	375.4	481.3	550.0	534.9	550.9	603.2	690.5
72.5°	146.9	154.7	169.4	207.8	279.2	403.5	562.1	490.9	453.7	436.4	435.5
75°	67.0	71.3	87.3	110.1	149.0	263.2	566.9	535.8	501.7	468.8	443.4
77.5°	14.2	16.5	27.6	57.0	72.6	121.4	402.2	448.9	486.1	496.9	496.9
80°	7.3	7.8	11.6	26.8	31.1	41.0	155.2	203.9	251.4	314.1	379.8
82.5°	3.1	3.4	6.9	12.1	12.9	12.6	41.0	51.8	71.3	103.7	154.7
85°	0.8	0.8	3.1	4.7	6.9	5.6	9.1	10.3	13.4	19.4	37.1
87.5°	0.0	0.0	0.5	0.8	1.3	2.1	2.6	2.6	2.6	2.6	2.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	53.1	53.1	52.7	52.3	52.3	51.4	51.4	51.0	51.0	50.5	50.5
5°	63.9	63.1	62.2	60.9	60.5	59.6	58.8	57.9	57.0	56.6	55.7
7.5°	79.5	78.6	76.1	74.3	72.2	70.9	69.1	67.8	66.5	65.7	63.9
10°	100.3	97.2	95.9	89.9	88.6	85.6	83.0	81.2	77.8	75.6	73.5
12.5°	129.6	124.0	121.9	111.4	108.5	104.1	101.1	96.7	92.9	90.3	86.4
15°	162.9	158.6	150.3	140.0	134.4	129.6	122.3	118.8	113.7	108.0	102.4
17.5°	202.6	194.9	185.8	172.4	165.5	158.1	151.3	143.9	135.3	130.0	124.0
20°	248.8	240.7	229.4	212.6	204.4	197.0	184.9	179.7	169.4	159.0	151.3
22.5°	299.4	291.3	280.5	261.4	250.6	238.5	228.6	219.5	207.4	197.0	188.0
25°	356.5	347.0	338.8	316.7	303.4	290.8	280.0	264.0	253.7	241.6	229.0
27.5°	421.3	410.0	399.3	375.1	362.5	348.7	335.7	318.9	308.9	289.0	277.4
30°	487.8	474.0	462.8	438.1	426.9	412.7	394.9	379.8	363.0	349.6	330.5
32.5°	557.9	546.6	537.5	511.6	497.3	479.6	463.6	447.6	432.9	411.4	394.0
35°	632.6	622.6	612.7	590.2	577.7	564.3	546.1	526.7	506.4	483.9	468.4
37.5°	711.3	703.4	695.6	668.5	653.8	639.4	618.8	599.3	581.1	557.4	531.1
40°	793.8	786.4	773.9	751.4	735.8	722.9	703.9	685.7	661.1	634.7	611.4
42.5°	897.4	881.5	870.6	846.1	829.6	815.4	798.5	771.3	750.5	719.0	696.6
45°	1018.9	1003.7	986.1	960.9	940.7	917.3	893.6	875.0	849.0	820.6	791.5
47.5°	1155.4	1143.3	1122.5	1098.0	1077.6	1054.3	1026.2	1002.4	970.9	937.6	898.3
50°	1305.8	1293.2	1279.4	1251.7	1231.4	1209.4	1187.4	1159.3	1130.8	1091.0	1050.4
52.5°	1445.3	1447.9	1439.7	1426.7	1416.8	1393.9	1373.6	1346.8	1321.8	1285.5	1254.0
55°	1583.2	1605.6	1614.2	1626.8	1631.2	1612.6	1612.1	1572.8	1557.7	1536.5	1518.3
57.5°	1765.0	1814.8	1854.1	1930.2	1962.2	1994.5	2000.6	1972.9	2001.4	1964.7	1977.2
60°	1919.7	2010.9	2108.6	2305.2	2403.7	2478.1	2537.7	2581.7	2610.2	2658.6	2661.2
62.5°	1933.6	2077.0	2225.7	2512.6	2647.4	2760.2	2867.7	2942.9	3002.5	3057.4	3070.8
64°	1867.5	2045.0	2225.7	2572.7	2710.4	2835.8	2933.9	3008.6	3069.5	3103.6	3126.2
65°	1747.4	1946.2	2154.0	2532.9	2675.1	2808.1	2901.9	2977.0	3034.5	3068.7	3092.0
67.5°	1294.5	1486.8	1695.5	2136.7	2360.5	2482.3	2602.4	2707.9	2754.2	2797.3	2805.5
70°	789.0	928.6	1072.5	1481.6	1689.5	1908.6	2043.7	2198.1	2306.1	2372.6	2394.6
72.5°	476.2	524.6	610.5	830.5	1029.7	1183.4	1370.6	1518.0	1638.9	1705.9	1739.5
75°	423.9	417.9	429.0	520.7	591.5	684.0	751.8	844.3	919.1	942.4	986.1
77.5°	490.0	472.7	455.0	437.7	434.2	425.6	411.8	415.3	382.4	350.9	351.7
80°	436.4	477.9	502.5	484.4	443.4	401.9	350.9	287.4	224.7	185.8	169.4
82.5°	219.1	311.5	400.6	488.7	482.6	446.0	389.8	320.2	248.0	190.5	152.1
85°	67.4	119.7	168.6	234.2	271.8	266.6	234.2	227.7	162.4	126.6	97.7
87.5°	3.1	3.1	3.1	2.6	3.1	3.1	3.1	3.4	3.4	3.9	3.9
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	50.5	50.1	49.7	49.3	49.3	49.3	48.8	48.8	48.4	48.4	48.0
5°	55.7	54.9	54.4	53.6	53.6	52.7	52.3	51.8	51.0	50.5	50.1
7.5°	62.7	61.8	60.5	59.2	58.8	57.5	56.2	55.3	54.4	53.6	52.7
10°	71.7	70.0	67.4	65.7	64.4	62.7	60.9	59.6	57.9	56.2	55.3
12.5°	83.3	79.9	77.3	74.3	71.7	69.1	66.1	64.4	62.7	60.1	58.3
15°	96.7	93.3	90.3	85.1	80.8	77.3	74.8	70.9	67.8	64.4	61.8
17.5°	119.7	110.6	104.6	99.3	95.1	88.6	83.3	79.1	75.2	70.9	67.8
20°	142.1	134.4	126.1	120.1	110.6	105.0	98.0	92.0	85.1	79.9	74.8
22.5°	175.0	165.0	154.7	145.6	132.7	124.8	115.8	108.0	99.3	90.7	85.1
25°	216.5	201.8	188.0	175.0	162.9	151.3	139.5	127.1	118.0	107.6	98.0
27.5°	260.1	243.7	230.3	213.5	197.9	183.6	168.9	155.5	140.0	126.6	115.3
30°	315.0	292.6	276.9	256.7	241.1	221.2	203.1	185.4	166.3	150.8	134.8
32.5°	370.7	355.6	329.2	312.0	288.7	264.8	245.9	225.6	202.2	182.0	162.4
35°	444.2	418.2	396.2	372.0	346.5	321.9	297.3	268.3	244.6	219.5	195.7
37.5°	509.0	482.6	457.1	425.6	396.7	370.7	340.9	310.7	282.6	252.7	224.3
40°	584.2	551.4	521.1	491.7	455.8	425.2	394.0	356.5	324.1	291.3	257.5
42.5°	666.2	633.0	597.1	563.4	524.1	486.5	448.1	410.5	374.1	334.4	295.1
45°	756.2	721.1	680.9	642.5	599.7	558.2	512.5	469.2	426.5	382.0	336.6
47.5°	867.6	822.7	785.5	737.6	684.5	640.7	584.7	535.4	486.5	434.7	383.7
50°	1011.9	960.9	907.4	854.2	795.4	740.2	678.0	619.6	554.3	496.5	438.1
52.5°	1203.4	1165.3	1103.1	1042.2	970.4	900.0	814.5	738.9	655.1	581.1	509.9
55°	1475.2	1450.1	1396.1	1329.5	1266.9	1164.0	1065.5	948.0	839.1	732.8	632.6
57.5°	1967.3	1940.1	1880.0	1864.0	1767.6	1692.0	1576.7	1424.6	1240.1	1077.6	915.6
60°	2675.9	2622.8	2564.0	2553.2	2440.0	2360.5	2246.0	2083.9	1910.2	1651.0	1430.2
62.5°	3071.7	3055.7	3008.2	2949.9	2851.7	2733.8	2605.0	2448.2	2271.9	2044.7	1782.0
64°	3124.9	3110.2	3069.1	3003.5	2904.9	2787.8	2645.2	2488.9	2312.1	2104.7	1864.8
65°	3091.6	3070.8	3035.8	2975.4	2883.7	2771.4	2627.9	2469.4	2290.1	2090.4	1867.5
67.5°	2823.3	2813.8	2781.8	2725.6	2668.1	2567.0	2440.9	2299.2	2152.7	1954.8	1772.0
70°	2397.2	2390.3	2349.7	2327.2	2232.2	2168.2	2066.2	1954.8	1825.1	1687.3	1531.7
72.5°	1777.1	1753.9	1721.0	1686.9	1622.5	1534.8	1455.3	1336.5	1269.5	1153.2	1065.5
75°	942.4	927.7	876.7	805.4	725.9	684.8	602.3	528.5	469.7	443.4	379.8
77.5°	325.8	296.8	268.3	236.4	187.5	147.8	118.0	94.2	74.3	65.7	54.9
80°	162.4	154.2	145.2	127.1	106.7	86.0	67.4	53.1	43.6	37.1	33.3
82.5°	131.8	116.7	104.1	91.2	73.0	60.1	47.5	38.9	32.0	28.1	24.7
85°	77.8	59.6	45.4	41.0	32.0	27.6	23.7	20.3	17.3	16.5	15.2
87.5°	3.1	3.9	3.9	3.1	3.9	3.4	3.4	3.1	3.1	3.1	3.1
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	48.0	47.5	47.5	47.1	46.7	46.7	46.7	46.2	45.4	43.6	42.3
5°	49.7	49.3	48.8	48.0	47.5	47.1	46.7	46.7	44.5	41.5	39.3
7.5°	51.8	51.0	50.1	49.3	48.8	48.0	47.1	46.7	43.6	39.7	37.6
10°	54.0	52.7	51.4	51.0	49.7	48.8	47.5	46.7	43.2	38.4	35.4
12.5°	56.6	54.9	53.1	51.8	50.1	49.3	48.0	46.7	42.3	37.1	33.7
15°	59.6	57.0	54.9	53.6	51.8	49.7	48.0	46.7	41.5	35.9	32.0
17.5°	63.5	60.5	57.9	55.3	52.7	50.5	48.8	47.1	40.2	34.1	29.8
20°	69.6	65.7	61.4	58.3	54.9	52.3	49.3	47.1	39.3	32.4	28.1
22.5°	77.8	71.7	67.0	61.8	57.5	54.0	50.5	48.0	38.0	30.7	26.0
25°	89.4	81.7	73.9	67.4	61.8	57.0	52.7	49.3	37.1	29.4	24.7
27.5°	102.4	93.3	83.0	75.2	67.4	60.5	55.7	51.4	37.1	28.6	23.3
30°	120.6	107.6	95.1	85.1	74.8	67.0	60.1	54.4	37.1	28.1	22.0
32.5°	142.6	127.9	111.9	97.7	85.6	74.3	65.7	58.3	38.0	27.3	21.2
35°	173.3	151.6	132.7	115.0	99.0	86.0	74.8	64.8	39.3	26.8	19.9
37.5°	197.5	171.5	147.3	127.1	108.5	92.5	78.2	67.4	38.0	25.0	18.6
40°	226.4	197.0	167.6	142.1	121.0	100.3	83.8	70.9	37.1	22.9	16.8
42.5°	261.4	224.7	190.5	161.6	135.3	110.6	91.2	75.2	37.1	21.6	15.5
45°	294.2	254.0	216.0	179.7	149.0	121.9	98.0	79.9	36.7	20.3	13.9
47.5°	334.9	287.4	242.8	200.9	165.5	132.2	105.4	84.3	36.3	19.0	12.6
50°	382.8	324.9	274.8	224.7	181.5	144.7	114.0	89.0	35.4	17.7	11.3
52.5°	436.0	373.8	309.8	251.9	201.4	158.1	122.3	93.3	34.1	16.5	10.0
55°	530.1	444.7	369.0	297.3	231.6	178.0	134.4	99.8	32.8	15.2	8.7
57.5°	756.2	614.4	507.3	399.3	305.0	228.6	167.3	118.4	31.1	13.4	6.9
60°	1187.4	953.6	771.7	605.4	461.5	350.9	246.3	175.0	33.3	11.3	6.0
62.5°	1523.1	1254.3	1022.7	814.1	632.1	480.5	358.6	261.4	48.0	10.0	4.7
64°	1610.8	1338.6	1091.4	872.8	683.5	527.2	400.1	295.5	61.8	10.0	4.3
65°	1623.8	1364.6	1116.1	894.4	701.3	539.6	412.2	306.8	67.4	10.3	3.9
67.5°	1570.2	1349.4	1123.4	903.4	714.7	556.9	428.7	324.5	76.1	10.0	3.1
70°	1371.5	1208.9	1023.2	845.1	674.1	529.3	412.2	314.5	79.5	9.5	2.6
72.5°	933.3	821.4	711.6	585.5	469.2	386.7	300.7	221.7	55.7	7.8	2.1
75°	311.1	303.4	271.4	205.7	172.8	140.5	112.4	86.4	21.2	4.7	2.1
77.5°	51.8	44.5	38.9	37.1	31.1	30.2	26.3	21.2	9.1	3.1	2.1
80°	30.2	27.6	24.2	21.6	19.0	16.8	14.2	12.1	5.6	2.1	2.6
82.5°	22.5	19.9	17.7	15.5	13.4	11.6	10.0	8.2	3.1	2.1	2.6
85°	12.9	11.3	10.0	8.7	6.9	6.0	5.2	4.3	2.1	2.1	2.1
87.5°	2.6	2.6	2.1	2.1	2.1	2.1	2.1	1.8	2.1	2.1	1.8
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°	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	41.5	40.2	39.7	39.7	39.7	39.7	39.7
5°	38.0	36.7	35.9	35.4	35.4	35.4	35.4
7.5°	35.4	33.7	32.8	32.0	32.0	31.5	31.5
10°	32.8	31.1	29.8	28.9	28.6	28.6	28.6
12.5°	30.7	28.9	27.3	26.3	26.3	26.0	26.0
15°	28.9	26.3	25.0	24.2	24.2	23.7	23.7
17.5°	26.8	24.7	23.3	22.5	22.0	22.0	22.0
20°	24.7	22.5	21.2	20.7	20.3	20.3	19.9
22.5°	22.9	20.7	19.4	19.0	18.6	18.6	18.1
25°	21.2	19.0	17.7	17.3	16.8	16.5	16.5
27.5°	19.9	17.7	16.5	15.5	15.2	14.7	14.7
30°	18.6	16.0	14.7	13.9	13.4	12.9	12.9
32.5°	17.3	14.7	12.9	12.1	11.6	11.3	11.3
35°	15.5	12.9	11.3	10.8	10.3	10.0	9.5
37.5°	14.2	11.3	10.0	9.1	8.7	8.2	8.2
40°	12.6	10.0	8.7	7.8	6.9	6.5	6.5
42.5°	11.3	8.7	7.3	6.0	5.6	5.2	5.2
45°	10.0	7.8	6.0	4.7	4.3	3.9	3.9
47.5°	8.7	6.5	4.7	3.9	3.4	3.1	3.1
50°	7.3	5.2	3.4	2.6	3.1	2.6	2.6
52.5°	6.5	3.9	2.6	2.6	2.6	2.6	2.6
55°	5.2	3.1	2.1	2.1	2.6	2.6	2.6
57.5°	4.3	2.1	1.8	2.1	2.1	2.1	2.1
60°	3.1	1.8	1.8	2.1	2.1	2.1	2.1
62.5°	2.6	1.8	1.8	1.8	2.1	2.1	2.1
64°	2.1	1.8	1.8	1.8	2.1	2.1	2.1
65°	2.1	1.8	1.8	1.8	2.1	2.1	2.1
67.5°	2.1	1.8	1.8	1.8	2.1	2.1	2.1
70°	1.8	1.8	1.8	1.8	2.1	2.1	2.1
72.5°	1.8	1.8	1.8	1.8	2.1	2.1	2.1
75°	1.8	1.8	1.8	1.8	2.1	2.1	2.1
77.5°	1.8	1.8	1.8	2.1	2.1	2.1	2.1
80°	1.8	1.8	1.8	2.1	2.1	2.1	2.1
82.5°	1.8	1.8	1.8	2.1	2.1	2.1	2.1
85°	1.8	1.8	1.8	2.1	2.1	2.1	2.1
87.5°	1.8	1.8	1.8	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)