

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: P181339

Luminaire Tested: **ICM-E03-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181339
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-E03-LED-E1-T3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4549.8 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

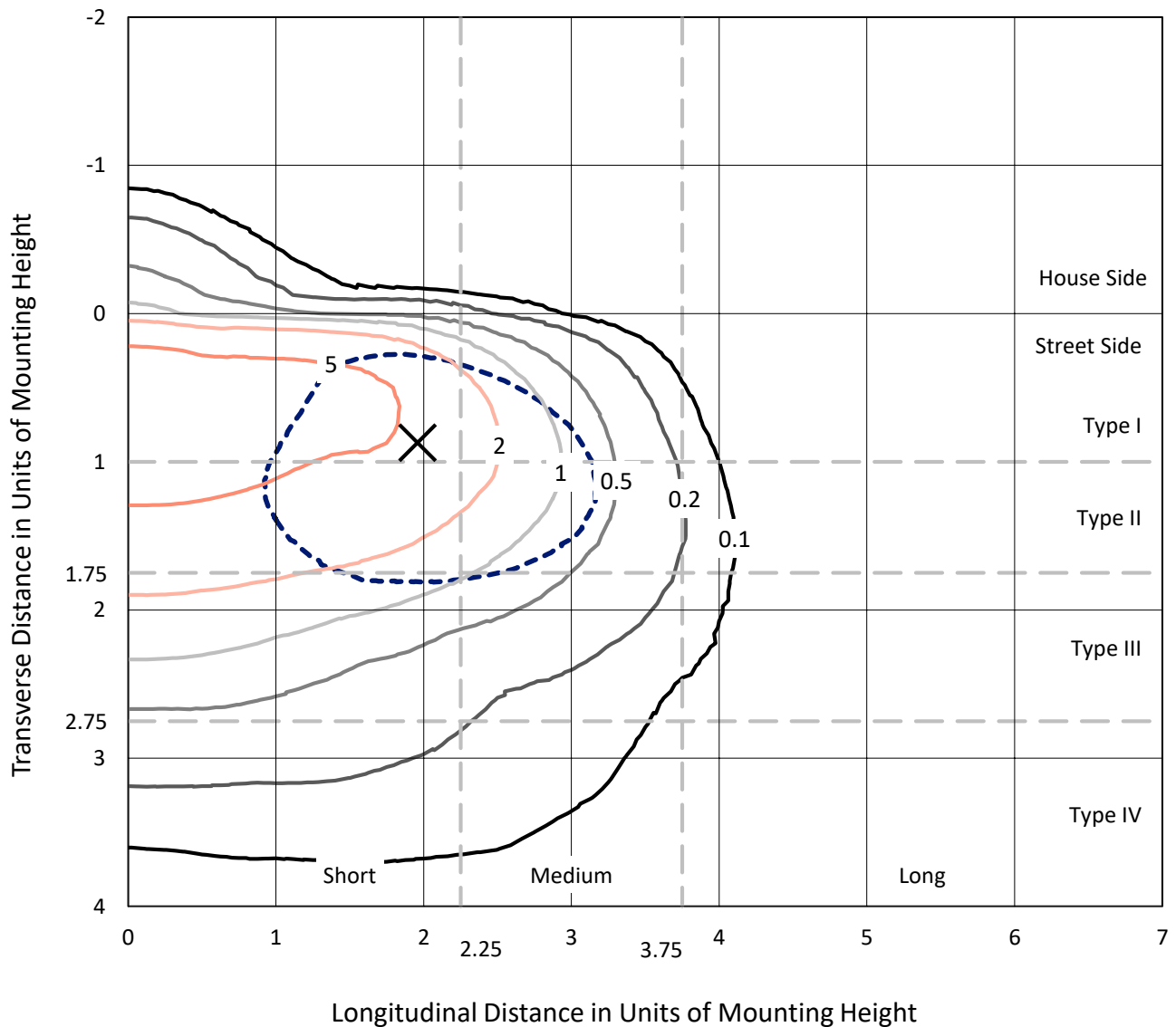
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

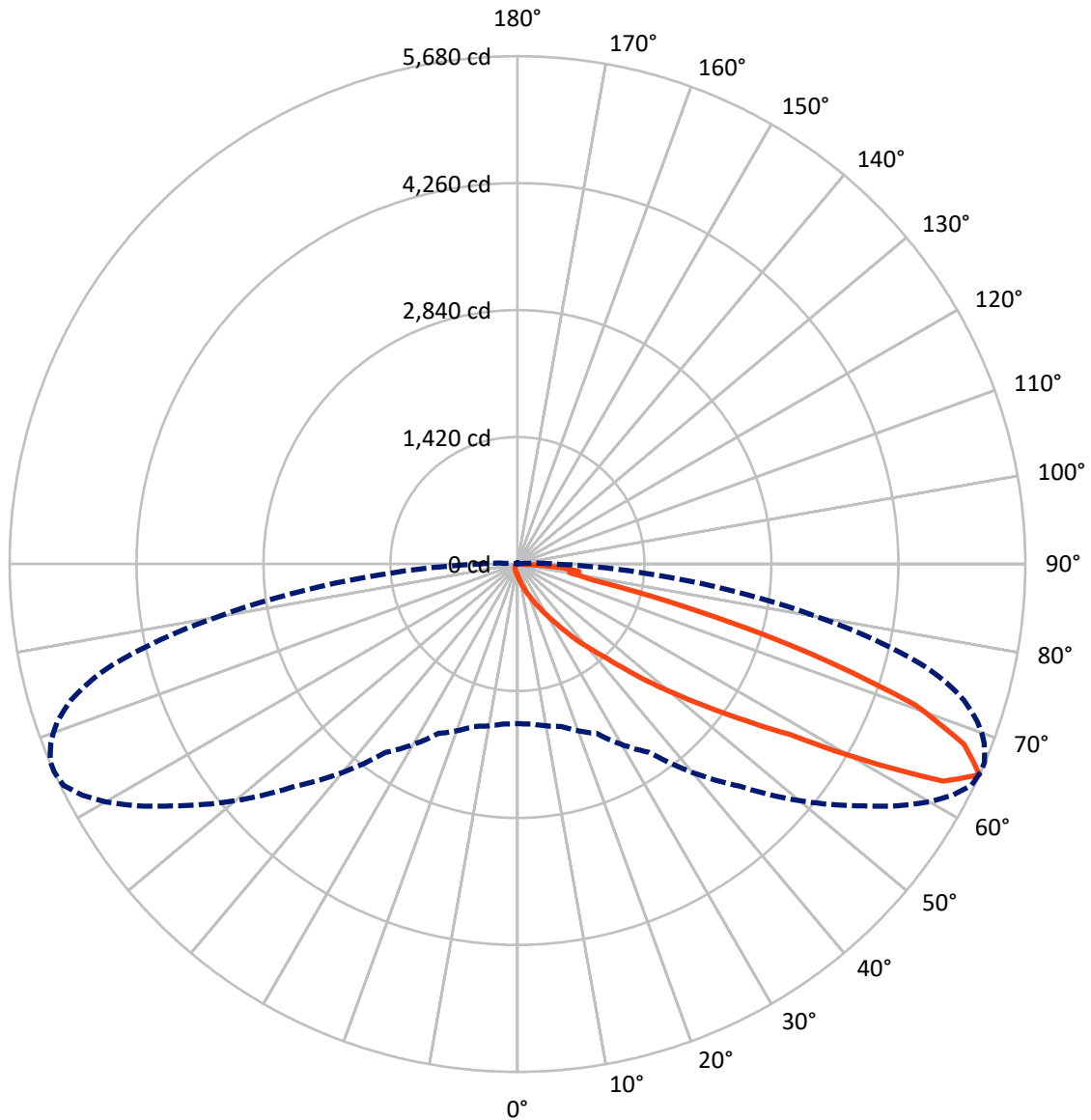


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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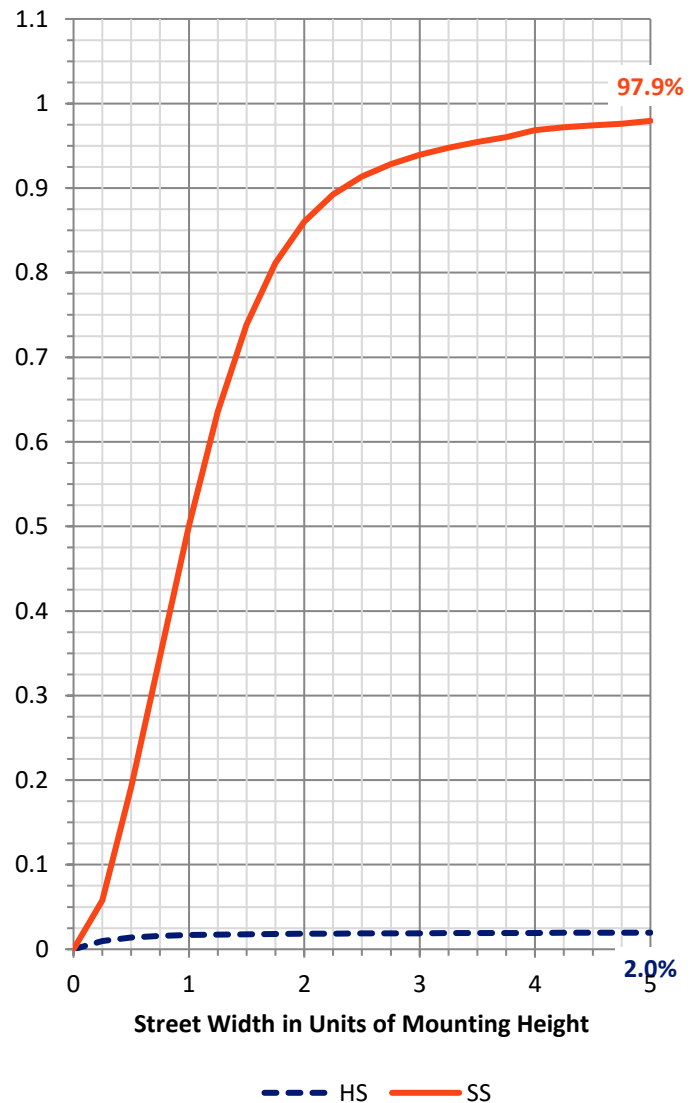
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	91.4	0.0	91.4
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	4458.4	0.0	4458.4
	% Fixture	98.0	0.0	98.0
Total	Lumens	4549.8	0.0	4549.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	74.0	1.6
20°-30°	169.0	3.7
30°-40°	321.5	7.1
40°-50°	645.3	14.2
50°-60°	1141.8	25.1
60°-70°	1491.9	32.8
70°-80°	613.4	13.5
80°-90°	77.3	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°	4549.8	100.0
0°-180°	4549.8	100.0



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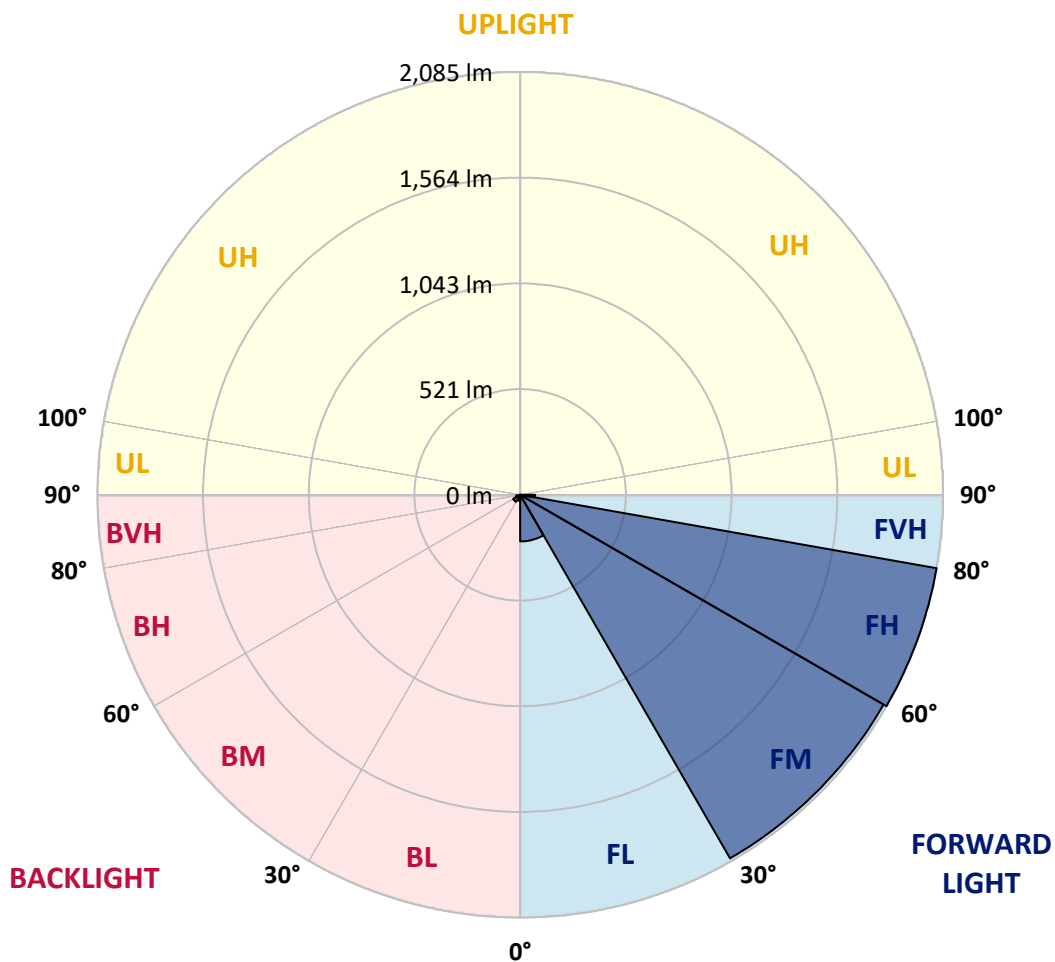
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.9	5.1			
FM	(30°-60°)	2069.6	45.5			
FH	(60°-80°)	2085.1	45.8			G2/5000
FVH	(80°-90°)	73.8	1.6			G1/100
BL	(0°-30°)	28.6	0.6	B0/110		
BM	(30°-60°)	39.1	0.9	B0/220		
BH	(60°-80°)	20.2	0.4	B0/110		G0/110
BVH	(80°-90°)	3.5	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°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	167.4	164.7	165.6	160.0	156.3	151.6	147.9	147.0	146.0	144.2	145.1
5°	240.9	238.1	231.6	220.5	210.2	194.4	178.6	177.7	174.9	172.1	170.2
7.5°	334.9	330.2	322.8	304.2	279.1	251.2	219.5	216.7	213.0	209.3	205.6
10°	443.7	440.9	427.0	405.6	367.4	321.9	268.8	266.0	257.7	253.0	249.3
12.5°	558.1	546.0	540.5	503.3	459.5	397.2	329.3	319.1	312.6	306.0	296.7
15°	644.7	646.5	633.5	603.7	552.6	480.0	395.4	384.2	374.9	362.8	351.6
17.5°	722.8	719.1	705.1	686.5	638.1	564.7	466.0	451.2	436.3	429.8	414.0
20°	786.1	784.2	773.0	755.4	718.1	647.4	540.5	528.4	511.6	500.5	482.8
22.5°	836.3	836.3	829.8	819.5	783.3	726.5	619.5	606.5	589.8	575.8	556.3
25°	876.3	875.4	876.3	871.6	847.4	795.4	700.5	685.6	671.6	654.9	636.3
27.5°	921.9	923.7	921.9	919.1	908.8	867.0	782.3	772.1	756.3	738.6	720.0
30°	992.6	987.0	986.1	984.2	972.1	946.1	867.0	854.9	842.8	830.7	817.7
32.5°	1067.0	1057.7	1054.9	1054.9	1046.5	1023.3	964.7	958.1	940.5	931.2	920.0
35°	1151.6	1147.9	1144.2	1145.1	1141.4	1117.2	1068.8	1070.7	1065.1	1046.5	1035.4
37.5°	1275.4	1276.3	1269.8	1257.7	1257.7	1236.3	1208.4	1204.7	1190.7	1186.1	1179.5
40°	1452.1	1447.5	1441.9	1424.2	1417.7	1381.4	1355.4	1346.1	1334.9	1334.0	1326.5
42.5°	1656.8	1651.2	1651.2	1638.1	1625.1	1581.4	1532.1	1525.6	1513.5	1517.2	1514.4
45°	1846.5	1851.2	1857.7	1867.0	1868.8	1850.2	1778.6	1770.2	1763.7	1760.0	1757.2
47.5°	2010.2	2018.6	2040.0	2080.0	2131.2	2137.7	2080.9	2058.6	2054.0	2047.5	2041.9
50°	2127.5	2139.5	2187.9	2266.1	2365.6	2427.0	2396.3	2377.7	2376.8	2359.1	2357.2
52.5°	2194.4	2207.5	2286.5	2404.7	2559.1	2679.1	2717.2	2716.3	2714.4	2698.6	2692.1
55°	2209.3	2223.3	2318.2	2479.1	2699.6	2907.0	3053.0	3056.8	3065.1	3060.5	3060.5
57.5°	2168.4	2186.1	2289.3	2488.4	2773.0	3087.5	3406.5	3427.9	3438.2	3474.4	3516.3
60°	2093.0	2106.1	2209.3	2431.6	2786.1	3252.1	3866.1	3934.0	3987.0	4058.6	4126.5
62.5°	1953.5	1979.5	2078.2	2320.0	2747.0	3441.9	4414.9	4540.5	4643.7	4752.6	4883.8
65°	1784.2	1795.4	1879.1	2090.2	2572.1	3514.4	4718.2	4841.0	4973.1	5089.3	5206.5
67.5°	1572.1	1581.4	1654.0	1744.2	2122.8	3174.9	4419.6	4555.4	4674.4	4770.3	4923.8
70°	1029.8	1050.2	1227.9	1317.2	1483.7	2347.0	3614.0	3745.1	3836.3	3901.4	4079.1
72.5°	754.4	767.4	839.1	1023.3	1064.2	1387.0	2543.3	2685.6	2719.1	2841.9	2924.7
75°	460.5	493.0	654.9	876.3	1037.2	949.8	1523.7	1592.6	1669.8	1759.1	1838.2
77.5°	93.0	106.0	214.0	603.7	912.6	1014.9	909.8	922.8	960.9	969.3	999.1
80°	14.9	15.8	27.9	260.5	528.4	820.5	909.8	897.7	876.3	861.4	846.5
82.5°	6.5	7.4	12.1	66.0	112.6	273.5	787.0	848.4	919.1	958.1	968.4
85°	2.8	2.8	4.7	13.0	16.7	18.6	133.0	175.8	313.5	416.7	480.0
87.5°	1.9	1.9	2.8	2.8	3.7	4.7	6.5	6.5	7.4	8.4	12.1
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°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	145.1	144.2	144.2	141.4	141.4	140.5	140.5	139.5	139.5	137.7	138.6
5°	169.3	167.4	165.6	162.8	161.9	160.0	158.1	155.3	154.4	152.6	151.6
7.5°	201.9	200.0	196.3	190.7	187.0	183.3	179.5	175.8	173.0	170.2	168.4
10°	241.9	236.3	234.4	223.3	218.6	211.2	206.5	202.8	197.2	192.6	189.8
12.5°	290.2	285.6	276.3	261.4	254.0	247.4	239.1	231.6	226.0	217.7	212.1
15°	340.5	336.7	323.7	307.0	297.7	285.6	277.2	269.8	257.7	252.1	241.9
17.5°	403.7	392.6	379.5	355.4	343.3	333.0	318.1	307.0	299.5	282.8	273.5
20°	468.8	456.7	440.0	413.0	396.3	380.5	368.4	353.5	337.7	326.5	310.7
22.5°	543.3	523.7	510.7	477.2	457.7	440.9	420.5	404.7	388.8	371.2	353.5
25°	622.3	602.8	587.0	548.8	528.4	511.6	487.4	465.1	445.6	426.0	405.6
27.5°	705.1	687.4	669.8	630.7	613.0	589.8	567.4	541.4	516.3	498.6	470.7
30°	800.9	786.1	766.5	724.7	705.1	680.9	657.7	627.0	602.8	578.6	551.6
32.5°	904.2	892.1	871.6	834.4	811.2	790.7	765.6	735.8	701.4	676.3	644.7
35°	1029.8	1009.3	997.2	961.9	944.2	921.9	895.8	869.8	833.5	798.1	771.2
37.5°	1173.0	1163.7	1147.9	1114.4	1101.4	1078.1	1061.4	1035.4	1007.4	962.8	934.0
40°	1320.0	1313.5	1299.5	1266.1	1253.0	1237.2	1217.7	1192.6	1159.1	1135.8	1093.0
42.5°	1507.0	1496.8	1485.6	1454.0	1428.8	1409.3	1400.9	1379.5	1344.2	1314.4	1280.9
45°	1744.2	1739.5	1724.7	1693.0	1667.9	1654.9	1641.9	1605.6	1582.3	1552.6	1529.3
47.5°	2030.7	2015.8	2008.4	1973.0	1964.7	1954.4	1920.9	1900.5	1867.0	1843.7	1814.9
50°	2340.5	2324.7	2325.6	2282.8	2284.7	2277.2	2252.1	2227.9	2199.1	2178.6	2160.9
52.5°	2673.5	2680.9	2662.3	2675.4	2660.5	2643.7	2639.1	2609.3	2584.2	2583.3	2559.1
55°	3082.8	3070.7	3075.4	3088.4	3067.9	3086.5	3077.2	3039.1	3040.0	3047.5	3019.6
57.5°	3522.8	3540.5	3578.6	3587.0	3622.3	3598.2	3661.4	3615.8	3643.7	3643.7	3625.1
60°	4168.4	4239.1	4331.2	4402.8	4468.9	4447.5	4530.3	4478.2	4515.4	4483.7	4467.9
62.5°	4946.1	5040.0	5148.9	5265.1	5332.1	5348.9	5336.8	5360.0	5323.8	5300.5	5240.0
65°	5320.0	5413.1	5507.9	5647.5	5666.1	5680.0	5674.5	5635.4	5590.7	5524.7	5445.6
67.5°	5009.3	5139.6	5192.6	5353.5	5407.5	5387.9	5394.5	5344.2	5274.5	5209.3	5093.1
70°	4153.5	4302.4	4330.3	4561.0	4625.1	4718.2	4684.7	4669.8	4593.5	4538.6	4410.3
72.5°	3024.2	3140.5	3131.2	3390.7	3379.6	3417.7	3507.9	3504.2	3424.2	3406.5	3298.6
75°	1861.4	1931.2	1927.5	2111.6	2034.4	2023.3	2048.4	2037.2	1961.9	1883.7	1816.8
77.5°	986.1	1017.7	984.2	929.3	923.7	861.4	843.7	842.8	785.1	714.4	662.3
80°	830.7	798.1	759.1	679.1	632.6	590.7	551.6	515.4	476.3	424.2	360.9
82.5°	970.2	954.4	926.5	826.1	777.7	694.0	631.6	573.0	501.4	447.4	366.5
85°	472.6	471.6	494.0	483.7	466.0	462.3	400.9	387.9	359.1	329.3	275.4
87.5°	13.0	9.3	11.2	9.3	11.2	12.1	8.4	19.5	12.1	11.2	13.0
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°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	137.7	136.7	135.8	135.8	134.9	134.9	134.0	133.0	133.0	132.1	132.1
5°	149.8	147.9	147.0	146.0	144.2	143.3	141.4	140.5	138.6	137.7	135.8
7.5°	164.7	162.8	159.1	157.2	154.4	153.5	148.8	147.0	145.1	143.3	140.5
10°	183.3	178.6	174.9	171.2	166.5	162.8	159.1	156.3	152.6	147.9	146.0
12.5°	206.5	200.0	194.4	187.9	182.3	176.7	170.2	165.6	160.0	155.3	150.7
15°	232.6	223.3	215.8	206.5	197.2	190.7	184.2	177.7	170.2	163.7	158.1
17.5°	262.3	250.2	240.0	228.8	218.6	209.3	198.1	189.8	181.4	172.1	164.7
20°	294.0	281.9	267.9	255.8	240.9	230.7	216.7	205.6	193.5	184.2	174.0
22.5°	335.8	320.0	302.3	285.6	269.8	254.0	239.1	225.1	210.2	196.3	186.0
25°	385.1	365.6	343.3	326.5	304.2	286.5	267.9	250.2	234.4	216.7	200.0
27.5°	446.5	420.5	396.3	373.0	348.8	326.5	302.3	281.9	260.5	240.0	221.4
30°	518.1	493.0	456.7	430.7	406.5	375.8	351.6	324.7	300.5	270.7	250.2
32.5°	613.0	580.5	542.3	507.9	476.3	441.9	408.4	374.0	342.3	315.4	284.7
35°	736.7	698.6	653.0	609.3	574.0	532.1	489.3	450.2	414.0	374.9	336.7
37.5°	893.0	857.7	808.4	755.4	707.9	657.7	613.0	558.1	509.8	462.3	414.0
40°	1048.4	1015.8	964.7	907.9	846.5	788.8	732.1	669.8	608.4	548.8	498.6
42.5°	1240.0	1191.6	1136.8	1072.6	1013.0	944.2	873.5	801.9	728.4	656.7	585.1
45°	1480.9	1443.7	1366.5	1297.7	1227.0	1146.1	1058.6	976.8	882.8	798.1	703.3
47.5°	1774.0	1707.0	1650.2	1587.0	1498.6	1420.5	1308.8	1212.1	1094.9	982.3	868.8
50°	2120.0	2082.8	2007.5	1928.4	1832.6	1739.5	1630.7	1491.2	1350.7	1230.7	1075.4
52.5°	2524.7	2471.6	2424.2	2342.3	2244.7	2125.6	2001.9	1850.2	1678.1	1508.8	1343.3
55°	3004.7	2967.5	2921.9	2856.8	2732.1	2597.2	2448.4	2267.0	2063.3	1835.4	1642.8
57.5°	3624.2	3585.1	3541.4	3407.5	3322.8	3157.2	2941.4	2753.5	2534.0	2241.9	2002.8
60°	4469.8	4416.8	4355.4	4246.5	4069.8	3854.9	3623.3	3345.1	3076.3	2757.2	2443.7
62.5°	5192.6	5107.9	4976.8	4836.3	4624.2	4377.7	4086.5	3759.1	3453.0	3094.0	2745.1
65°	5341.4	5225.1	5070.7	4887.5	4668.9	4390.7	4086.5	3773.0	3413.0	3075.4	2724.7
67.5°	4954.4	4819.6	4661.4	4456.8	4248.4	3961.9	3699.6	3380.5	3041.9	2749.8	2436.3
70°	4318.2	4118.2	3956.3	3738.6	3527.5	3302.3	3026.1	2787.0	2511.6	2242.8	2002.8
72.5°	3242.8	3045.6	2898.6	2724.7	2599.1	2360.9	2158.2	1979.5	1816.8	1615.8	1438.1
75°	1747.9	1600.0	1501.4	1422.3	1309.8	1152.6	1055.8	933.0	864.2	780.5	699.5
77.5°	570.2	502.3	428.8	357.2	307.0	230.7	223.3	177.7	167.4	162.8	125.6
80°	292.1	225.1	162.8	117.2	89.3	79.1	75.3	71.6	67.9	65.1	60.5
82.5°	293.0	212.1	146.0	101.4	73.5	61.4	57.7	55.8	53.0	50.2	46.5
85°	214.0	158.1	108.8	74.4	51.2	40.9	39.1	36.3	34.4	33.5	29.8
87.5°	14.0	10.2	9.3	8.4	8.4	8.4	9.3	8.4	9.3	9.3	8.4
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	131.2	130.2	130.2	129.3	128.4	128.4	127.4	127.4	124.7	120.0	116.3
5°	134.9	133.0	132.1	131.2	130.2	128.4	127.4	126.5	121.9	112.6	105.1
7.5°	137.7	135.8	134.9	133.0	130.2	129.3	127.4	125.6	118.1	105.1	96.7
10°	142.3	139.5	136.7	134.0	131.2	129.3	126.5	124.7	113.5	98.6	90.2
12.5°	147.0	143.3	139.5	134.9	132.1	129.3	126.5	122.8	109.8	93.0	83.7
15°	152.6	147.0	142.3	137.7	133.0	129.3	124.7	121.9	106.0	88.4	80.0
17.5°	158.1	151.6	145.1	138.6	134.0	128.4	124.7	120.0	102.3	84.7	75.3
20°	164.7	155.3	148.8	141.4	134.9	128.4	122.8	118.1	98.6	80.0	70.7
22.5°	174.0	162.8	152.6	144.2	135.8	129.3	122.8	116.3	94.9	76.3	67.0
25°	186.0	172.1	160.0	149.8	139.5	131.2	123.7	117.2	92.1	73.5	62.3
27.5°	203.7	186.0	173.0	159.1	146.0	135.8	126.5	119.1	90.2	70.7	59.5
30°	225.1	207.4	187.0	170.2	156.3	142.3	132.1	120.9	88.4	67.9	55.8
32.5°	256.7	231.6	207.4	187.0	167.4	151.6	136.7	125.6	87.4	63.3	52.1
35°	302.3	267.9	239.1	212.1	185.1	165.6	147.9	133.0	86.5	59.5	48.4
37.5°	367.4	326.5	289.3	251.2	217.7	189.8	165.6	146.0	86.5	56.7	44.7
40°	437.2	384.2	336.7	289.3	246.5	211.2	178.6	154.4	84.7	53.0	40.9
42.5°	516.3	451.2	386.0	327.4	274.4	228.8	190.7	160.9	80.0	49.3	37.2
45°	622.3	536.7	458.6	383.3	314.4	254.9	206.5	168.4	75.3	46.5	33.5
47.5°	755.4	655.8	554.4	459.5	369.3	294.0	229.8	180.5	72.6	42.8	30.7
50°	953.5	812.1	678.1	557.2	442.8	344.2	264.2	198.1	69.8	40.0	27.9
52.5°	1171.2	997.2	840.0	684.7	542.3	412.1	304.2	221.4	67.0	37.2	25.1
55°	1436.3	1222.3	1030.7	828.8	646.5	491.2	353.5	247.4	63.3	34.4	23.3
57.5°	1763.7	1493.0	1266.1	1019.5	790.7	593.5	419.5	291.2	59.5	30.7	20.5
60°	2129.3	1823.3	1537.7	1248.4	971.2	729.3	517.2	353.5	55.8	27.0	17.7
62.5°	2392.6	2056.8	1730.2	1405.6	1101.4	830.7	596.3	401.9	50.2	23.3	15.8
65°	2389.8	2049.3	1720.9	1400.9	1105.1	834.4	599.1	411.2	44.7	20.5	14.0
67.5°	2129.3	1842.8	1549.8	1262.3	1003.7	759.1	554.4	381.4	38.1	18.6	12.1
70°	1751.6	1523.7	1292.1	1064.2	856.7	650.2	479.1	332.1	32.6	16.7	10.2
72.5°	1279.1	1112.6	971.2	810.2	668.8	513.5	382.3	260.5	26.0	14.0	9.3
75°	635.4	568.4	487.4	437.2	373.0	305.1	237.2	151.6	21.4	11.2	8.4
77.5°	120.9	107.9	103.3	89.3	81.9	72.6	64.2	45.6	16.7	8.4	7.4
80°	55.8	51.2	46.5	41.9	37.2	31.6	27.9	24.2	13.0	6.5	8.4
82.5°	43.7	40.0	35.3	31.6	27.9	24.2	20.5	17.7	8.4	5.6	8.4
85°	28.8	25.1	22.3	19.5	16.7	14.9	13.0	11.2	5.6	5.6	5.6
87.5°	8.4	8.4	7.4	7.4	6.5	6.5	5.6	5.6	4.7	4.7	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):

	125°	135°	145°	155°	165°	175°	180°
0°	126.5	126.5	126.5	126.5	126.5	126.5	126.5
2.5°	112.6	107.9	106.0	105.1	105.1	106.0	105.1
5°	99.5	94.9	93.0	91.2	91.2	91.2	92.1
7.5°	91.2	86.5	83.7	82.8	81.9	82.8	82.8
10°	83.7	80.0	76.3	74.4	74.4	74.4	74.4
12.5°	78.1	73.5	69.8	68.8	67.9	67.9	67.9
15°	73.5	67.9	65.1	63.3	62.3	62.3	63.3
17.5°	67.9	63.3	59.5	58.6	58.6	58.6	58.6
20°	64.2	58.6	55.8	54.0	54.0	54.0	54.0
22.5°	59.5	54.9	51.2	49.3	49.3	49.3	49.3
25°	55.8	51.2	47.4	45.6	45.6	45.6	45.6
27.5°	52.1	47.4	43.7	41.9	41.9	41.9	41.9
30°	48.4	43.7	40.0	38.1	38.1	38.1	38.1
32.5°	45.6	40.0	36.3	34.4	34.4	35.3	34.4
35°	40.9	36.3	32.6	30.7	30.7	30.7	30.7
37.5°	37.2	32.6	28.8	27.0	27.0	27.0	26.0
40°	34.4	28.8	25.1	23.3	22.3	22.3	22.3
42.5°	29.8	24.2	21.4	19.5	18.6	18.6	18.6
45°	27.0	21.4	17.7	15.8	15.8	15.8	15.8
47.5°	24.2	18.6	14.9	13.0	13.0	14.0	14.0
50°	21.4	15.8	12.1	12.1	12.1	13.0	13.0
52.5°	18.6	14.0	11.2	11.2	12.1	13.0	13.0
55°	16.7	12.1	10.2	11.2	12.1	13.0	13.0
57.5°	14.9	10.2	10.2	11.2	12.1	13.0	13.0
60°	13.0	9.3	9.3	10.2	12.1	13.0	13.0
62.5°	11.2	9.3	9.3	10.2	12.1	13.0	13.0
65°	10.2	9.3	9.3	10.2	12.1	13.0	13.0
67.5°	9.3	8.4	9.3	10.2	11.2	12.1	12.1
70°	8.4	8.4	9.3	10.2	11.2	12.1	12.1
72.5°	8.4	8.4	8.4	9.3	10.2	11.2	11.2
75°	8.4	8.4	8.4	9.3	10.2	11.2	11.2
77.5°	8.4	7.4	7.4	8.4	10.2	11.2	11.2
80°	8.4	7.4	7.4	8.4	9.3	11.2	11.2
82.5°	6.5	6.5	7.4	8.4	9.3	10.2	10.2
85°	5.6	6.5	6.5	7.4	8.4	10.2	10.2
87.5°	4.7	4.7	5.6	6.5	7.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)