

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: P181186

Luminaire Tested: **ICM-E05-LED-E1-T2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181186
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-E05-LED-E1-T2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6802.6 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

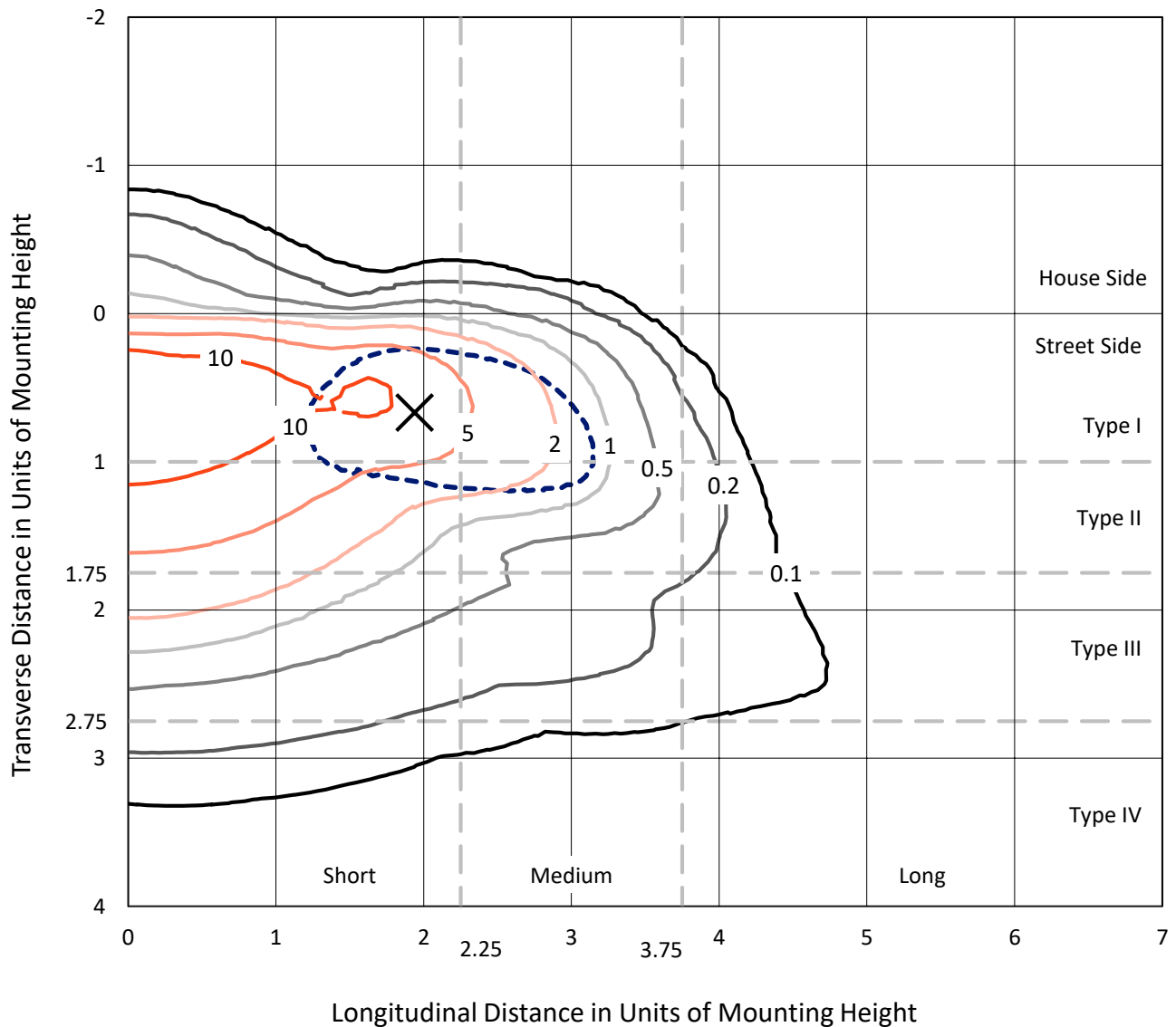
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

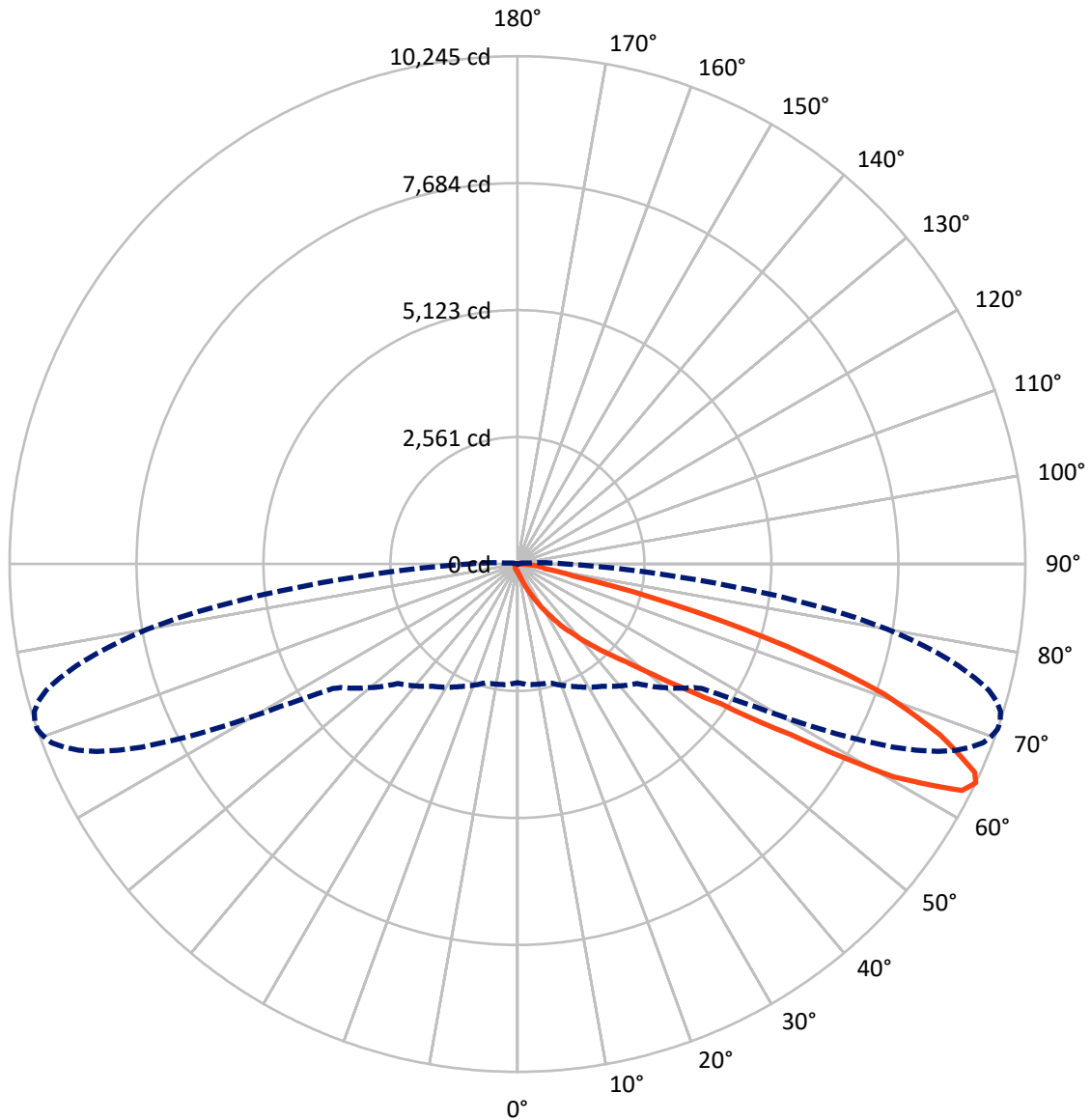
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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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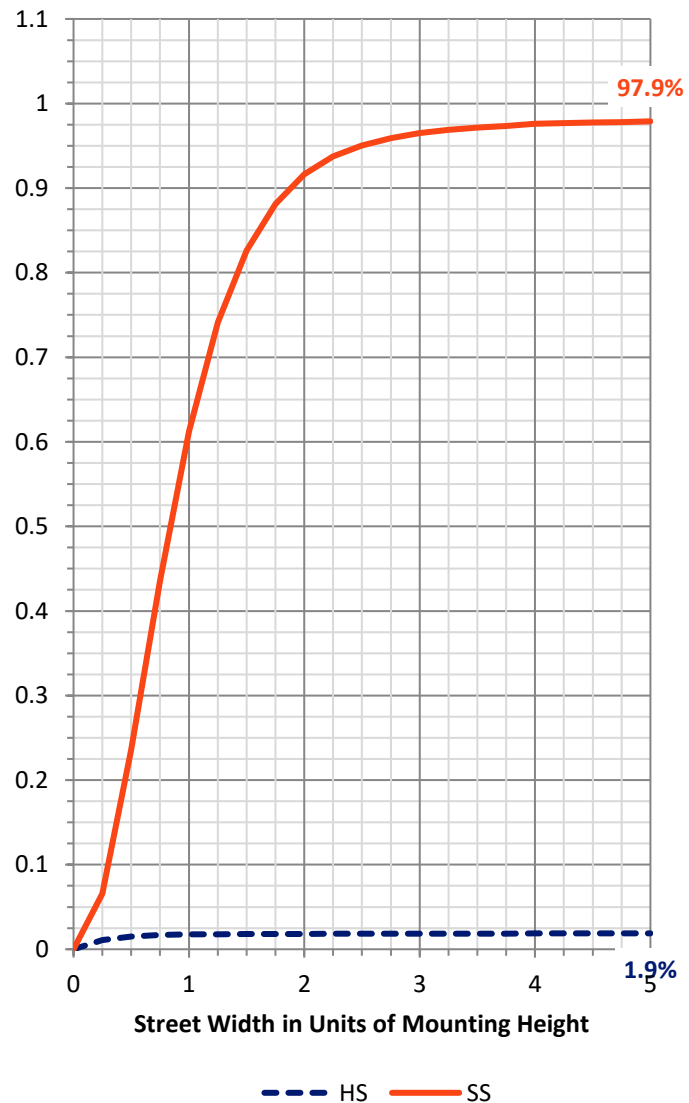
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	130.3	0.0	130.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6672.3	0.0	6672.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	6802.6	0.0	6802.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	123.0	1.8
20°-30°	314.2	4.6
30°-40°	635.4	9.3
40°-50°	1161.5	17.1
50°-60°	1809.6	26.6
60°-70°	2011.5	29.6
70°-80°	656.0	9.6
80°-90°	70.6	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°	6802.6	100.0
0°-180°	6802.6	100.0



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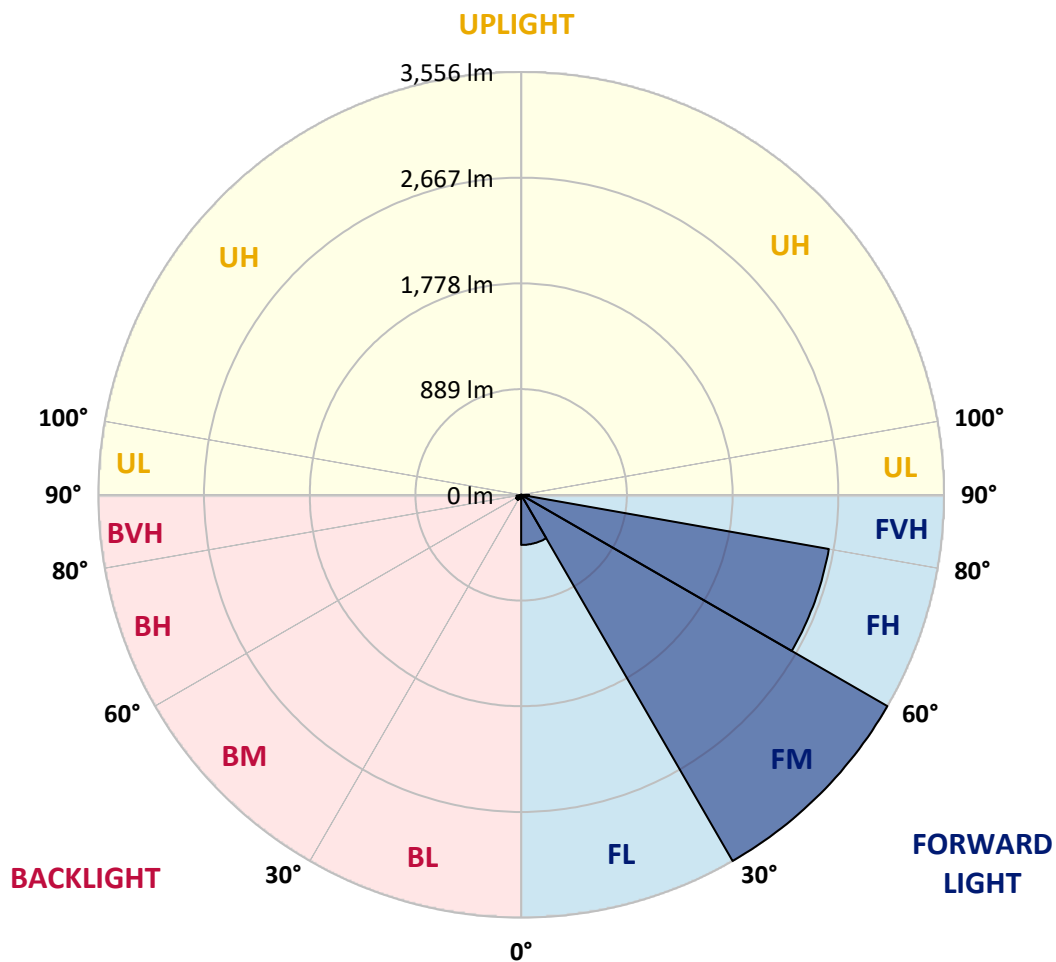
CATALOG NUMBER: ICM-E05-LED-E1-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.7	6.2			
FM (30°-60°)	3556.2	52.3			
FH (60°-80°)	2627.2	38.6			G2/5000
FVH (80°-90°)	67.2	1.0			G1/100
BL (0°-30°)	36.3	0.5	B0/110		
BM (30°-60°)	50.4	0.7	B0/220		
BH (60°-80°)	40.2	0.6	B0/110		G0/110
BVH (80°-90°)	3.4	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°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	203.9	201.1	201.1	196.8	191.2	185.5	179.8	178.4	177.0	175.6	175.6
5°	320.0	308.7	304.5	288.8	269.0	244.9	223.7	218.0	218.0	213.9	211.0
7.5°	502.7	497.0	467.3	451.7	405.0	347.0	286.0	280.4	279.0	273.3	264.8
10°	736.4	725.0	703.8	658.4	573.5	472.9	386.6	372.5	362.5	351.2	339.8
12.5°	970.0	955.8	924.7	851.1	766.1	637.2	498.4	485.7	470.1	454.5	436.2
15°	1203.6	1193.8	1145.6	1071.9	961.5	807.2	631.5	608.9	596.2	565.0	550.9
17.5°	1406.1	1393.4	1355.2	1271.6	1156.9	987.0	778.8	750.5	729.3	710.9	676.8
20°	1581.8	1569.0	1532.2	1462.8	1334.0	1166.8	937.4	923.3	885.0	856.7	836.9
22.5°	1689.3	1685.1	1661.0	1594.5	1479.8	1331.1	1118.7	1096.0	1070.5	1032.3	1009.7
25°	1755.9	1751.6	1737.5	1690.8	1612.8	1503.8	1318.3	1290.1	1267.4	1233.4	1205.0
27.5°	1825.3	1822.4	1811.2	1770.1	1729.0	1661.0	1520.8	1505.3	1455.7	1435.9	1408.9
30°	1940.0	1927.3	1937.1	1917.3	1864.9	1822.4	1724.8	1702.1	1680.8	1646.9	1622.8
32.5°	2122.7	2101.4	2122.7	2101.4	2078.8	2027.8	1934.3	1927.3	1906.0	1884.8	1850.8
35°	2346.4	2337.9	2354.9	2373.3	2354.9	2286.9	2173.7	2152.4	2143.9	2110.0	2097.2
37.5°	2571.6	2587.2	2618.2	2659.4	2648.0	2598.4	2438.4	2418.6	2403.1	2373.3	2350.6
40°	2813.7	2815.1	2881.7	2941.1	2970.9	2941.1	2730.2	2714.6	2693.3	2650.9	2645.2
42.5°	3077.1	3065.8	3115.4	3181.9	3242.8	3283.8	3115.4	3085.6	3055.8	3007.7	2975.1
45°	3310.7	3310.7	3350.3	3412.7	3506.2	3609.5	3521.7	3490.5	3462.3	3422.6	3385.8
47.5°	3483.5	3485.0	3509.0	3599.6	3745.5	3899.8	3902.6	3908.3	3887.1	3840.3	3841.8
50°	3605.2	3589.7	3622.3	3710.1	3878.5	4120.7	4294.9	4304.8	4321.8	4283.6	4294.9
52.5°	3694.5	3687.4	3708.7	3782.3	3950.8	4246.7	4616.3	4658.8	4684.3	4690.0	4736.7
55°	3647.7	3652.0	3703.0	3809.2	3990.4	4330.3	4889.6	4959.0	5018.5	5069.5	5127.6
57.5°	3493.4	3506.2	3595.4	3761.0	3998.9	4398.3	5179.9	5286.2	5398.0	5534.0	5648.7
60°	3247.0	3276.8	3397.1	3629.3	3916.8	4309.0	5266.3	5429.1	5600.5	5807.2	6038.1
62.5°	2885.9	2891.6	2970.9	3196.0	3513.2	3834.7	4869.8	5078.0	5304.6	5603.3	5926.2
64°	2391.7	2442.7	2479.6	2727.4	3010.5	3411.3	4345.9	4490.4	4806.1	5172.9	5579.3
65°	1974.0	2034.9	2064.6	2312.4	2636.7	3019.0	3889.9	4044.2	4377.1	4749.4	5256.4
67.5°	1164.0	1122.9	1209.3	1355.2	1627.1	2080.2	2623.9	2741.5	2989.3	3432.5	3837.5
70°	750.5	750.5	829.8	978.5	1230.5	1577.5	1802.6	1753.0	1805.5	1976.8	2262.9
72.5°	481.5	507.0	555.1	681.1	914.8	1322.6	1842.2	1608.7	1486.9	1430.2	1427.4
75°	219.4	233.7	286.0	361.1	488.6	862.4	1857.9	1755.9	1644.0	1536.4	1452.8
77.5°	46.7	53.8	90.6	186.9	237.9	398.0	1318.3	1471.3	1593.0	1628.5	1628.5
80°	24.1	25.5	38.2	87.8	102.0	134.5	508.4	668.4	824.1	1029.5	1244.8
82.5°	10.0	11.3	22.7	39.6	42.5	41.0	134.5	170.0	233.7	339.8	507.0
85°	2.8	2.8	10.0	15.5	22.7	18.4	29.8	34.0	43.9	63.7	121.8
87.5°	0.0	0.0	1.4	2.8	4.3	7.1	8.5	8.5	8.5	8.5	8.5
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°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	174.1	174.1	172.7	171.3	171.3	168.5	168.5	167.1	167.1	165.7	165.7
5°	209.6	206.7	203.9	199.6	198.2	195.4	192.6	189.8	186.9	185.5	182.7
7.5°	260.6	257.7	249.2	243.5	236.5	232.2	226.6	222.3	218.0	215.3	209.6
10°	328.6	318.6	314.3	294.5	290.3	280.4	271.9	266.2	254.9	247.8	240.7
12.5°	424.8	406.4	399.4	365.3	355.4	341.3	331.4	317.2	304.5	296.0	283.3
15°	533.9	519.7	492.7	458.8	440.4	424.8	400.7	389.4	372.5	354.0	335.6
17.5°	664.1	638.6	608.9	565.0	542.3	518.2	495.6	471.5	443.3	426.2	406.4
20°	815.6	788.7	751.9	696.7	669.8	645.7	606.1	589.1	555.1	521.1	495.6
22.5°	981.3	954.4	919.0	856.7	821.3	781.7	749.1	719.4	679.7	645.7	616.0
25°	1168.3	1137.1	1110.1	1038.0	994.1	953.0	917.6	865.2	831.3	791.5	750.5
27.5°	1380.7	1343.8	1308.5	1229.1	1188.1	1142.8	1100.3	1045.0	1012.5	947.4	909.1
30°	1598.7	1553.4	1516.6	1435.9	1399.1	1352.3	1294.2	1244.8	1189.5	1145.6	1083.3
32.5°	1828.1	1791.3	1761.6	1676.6	1629.9	1571.8	1519.5	1467.1	1418.9	1348.1	1291.4
35°	2073.1	2040.6	2008.0	1934.3	1893.2	1849.4	1789.9	1726.2	1659.6	1586.0	1535.0
37.5°	2330.8	2305.3	2279.8	2190.6	2142.5	2095.7	2027.8	1964.1	1904.6	1826.7	1740.3
40°	2601.3	2577.2	2536.2	2462.5	2411.5	2369.0	2306.7	2247.3	2166.5	2080.2	2003.7
42.5°	2941.1	2888.8	2853.3	2772.7	2718.8	2672.1	2616.9	2527.6	2459.6	2356.3	2282.7
45°	3339.1	3289.5	3231.5	3149.3	3082.7	3006.3	2928.4	2867.6	2782.5	2689.1	2594.2
47.5°	3786.5	3746.9	3678.9	3598.2	3531.6	3455.2	3363.1	3285.2	3181.9	3072.9	2944.0
50°	4279.3	4238.3	4193.0	4102.4	4035.7	3963.6	3891.3	3799.3	3705.8	3575.6	3442.4
52.5°	4736.7	4745.2	4718.3	4675.8	4643.3	4568.2	4501.6	4413.9	4331.7	4212.8	4109.4
55°	5188.4	5262.1	5290.4	5331.5	5345.6	5284.7	5283.3	5154.5	5104.9	5035.5	4976.0
57.5°	5784.6	5947.5	6076.3	6325.5	6430.3	6536.5	6556.3	6465.7	6559.2	6438.8	6479.9
60°	6291.6	6590.4	6910.4	7554.7	7877.5	8121.1	8316.5	8460.9	8554.4	8713.0	8721.4
62.5°	6336.9	6807.0	7294.1	8234.4	8676.1	9045.7	9398.4	9644.7	9840.2	10020.0	10063.9
64°	6120.2	6702.2	7294.1	8431.2	8882.9	9293.5	9615.0	9860.0	10059.7	10171.5	10245.2
65°	5726.5	6377.9	7059.0	8300.9	8766.8	9202.9	9510.2	9756.6	9945.0	10056.8	10133.3
67.5°	4242.5	4872.7	5556.6	7002.4	7736.0	8135.2	8528.9	8874.4	9025.9	9167.6	9194.5
70°	2585.7	3043.1	3514.6	4855.7	5536.8	6254.7	6697.9	7203.5	7557.5	7775.6	7847.8
72.5°	1560.5	1719.1	2000.8	2721.7	3374.4	3878.5	4491.7	4974.6	5371.1	5590.5	5701.1
75°	1389.1	1369.3	1406.1	1706.3	1938.6	2241.6	2463.9	2767.0	3011.9	3088.4	3231.5
77.5°	1605.8	1549.1	1491.1	1434.4	1423.2	1394.8	1349.5	1360.8	1253.2	1149.9	1152.7
80°	1430.2	1566.1	1646.9	1587.4	1452.8	1316.9	1149.9	941.7	736.4	608.9	555.1
82.5°	718.0	1020.9	1312.7	1601.6	1581.8	1461.4	1277.3	1049.3	812.8	624.5	498.4
85°	220.9	392.3	552.3	767.5	890.7	873.7	767.5	746.2	532.5	414.9	320.0
87.5°	10.0	10.0	10.0	8.5	10.0	10.0	10.0	11.3	11.3	12.7	12.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	165.7	164.3	162.9	161.4	161.4	161.4	160.0	160.0	158.6	158.6	157.2
5°	182.7	179.8	178.4	175.6	175.6	172.7	171.3	170.0	167.1	165.7	164.3
7.5°	205.3	202.5	198.2	194.0	192.6	188.4	184.1	181.2	178.4	175.6	172.7
10°	235.1	229.4	220.9	215.3	211.0	205.3	199.6	195.4	189.8	184.1	181.2
12.5°	273.3	262.0	253.5	243.5	235.1	226.6	216.7	211.0	205.3	196.8	191.2
15°	317.2	305.9	296.0	279.0	264.8	253.5	244.9	232.2	222.3	211.0	202.5
17.5°	392.3	362.5	342.7	325.7	311.5	290.3	273.3	259.2	246.4	232.2	222.3
20°	465.9	440.4	413.5	393.7	362.5	344.1	321.5	301.6	279.0	262.0	244.9
22.5°	573.5	540.9	507.0	477.2	434.7	409.2	379.5	354.0	325.7	297.4	279.0
25°	709.4	661.3	616.0	573.5	533.9	495.6	457.4	416.3	386.6	352.6	321.5
27.5°	852.5	798.6	754.8	699.5	648.6	601.9	553.7	509.8	458.8	414.9	378.0
30°	1032.3	958.7	907.7	841.1	790.1	725.0	665.6	607.4	545.2	494.2	441.8
32.5°	1215.0	1165.4	1079.1	1022.4	946.0	868.0	805.8	739.2	662.7	596.2	532.5
35°	1455.7	1370.7	1298.5	1219.3	1135.6	1055.0	974.2	879.4	801.5	719.4	641.5
37.5°	1668.1	1581.8	1498.1	1394.8	1299.9	1215.0	1117.3	1018.1	926.1	828.4	734.9
40°	1914.5	1806.9	1707.7	1611.5	1494.0	1393.4	1291.4	1168.3	1062.1	954.4	844.0
42.5°	2183.5	2074.5	1957.0	1846.5	1717.7	1594.5	1468.5	1345.2	1226.3	1096.0	967.2
45°	2478.1	2363.4	2231.7	2105.7	1965.5	1829.5	1679.5	1537.9	1397.7	1251.8	1103.1
47.5°	2843.5	2696.2	2574.4	2417.2	2243.0	2100.0	1915.9	1754.5	1594.5	1424.6	1257.5
50°	3316.4	3149.3	2973.7	2799.6	2607.0	2425.7	2221.8	2030.6	1816.8	1627.1	1435.9
52.5°	3943.7	3819.1	3615.2	3415.6	3180.5	2949.6	2669.2	2421.4	2146.7	1904.6	1671.0
55°	4834.4	4752.3	4575.3	4357.2	4151.8	3814.8	3492.0	3106.8	2750.0	2401.6	2073.1
57.5°	6447.3	6358.1	6161.2	6108.9	5793.1	5545.2	5167.2	4668.8	4064.1	3531.6	3000.6
60°	8769.6	8595.5	8402.8	8367.5	7996.4	7736.0	7360.7	6829.6	6260.4	5410.7	4687.1
62.5°	10066.8	10014.4	9858.6	9667.4	9346.0	8959.4	8537.4	8023.4	7445.6	6700.8	5839.8
64°	10240.9	10192.8	10058.2	9843.0	9520.2	9136.4	8669.1	8156.5	7577.3	6897.6	6111.7
65°	10131.9	10063.9	9949.2	9750.9	9450.8	9082.6	8612.4	8092.8	7505.1	6850.8	6120.2
67.5°	9252.5	9221.4	9116.5	8932.5	8744.1	8412.8	7999.3	7534.8	7054.8	6406.3	5807.2
70°	7856.2	7833.6	7700.5	7626.8	7315.3	7105.8	6771.6	6406.3	5981.4	5529.7	5019.9
72.5°	5824.2	5747.8	5640.1	5528.3	5317.3	5029.8	4769.2	4379.8	4160.4	3779.5	3492.0
75°	3088.4	3040.3	2873.1	2639.6	2379.0	2244.5	1974.0	1731.8	1539.3	1452.8	1244.8
77.5°	1067.7	972.8	879.4	774.6	614.6	484.3	386.6	308.7	243.5	215.3	179.8
80°	532.5	505.5	475.8	416.3	349.8	281.8	220.9	174.1	143.0	121.8	109.0
82.5°	431.9	382.3	341.3	298.8	239.4	196.8	155.7	127.4	104.7	92.0	80.7
85°	254.9	195.4	148.7	134.5	104.7	90.6	77.9	66.5	56.7	53.8	49.6
87.5°	10.0	12.7	12.7	10.0	12.7	11.3	11.3	10.0	10.0	10.0	10.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	157.2	155.7	155.7	154.3	152.9	152.9	152.9	151.5	148.7	143.0	138.8
5°	162.9	161.4	160.0	157.2	155.7	154.3	152.9	152.9	145.9	135.9	128.8
7.5°	170.0	167.1	164.3	161.4	160.0	157.2	154.3	152.9	143.0	130.2	123.2
10°	177.0	172.7	168.5	167.1	162.9	160.0	155.7	152.9	141.6	126.0	116.1
12.5°	185.5	179.8	174.1	170.0	164.3	161.4	157.2	152.9	138.8	121.8	110.4
15°	195.4	186.9	179.8	175.6	170.0	162.9	157.2	152.9	135.9	117.5	104.7
17.5°	208.2	198.2	189.8	181.2	172.7	165.7	160.0	154.3	131.7	111.9	97.7
20°	228.0	215.3	201.1	191.2	179.8	171.3	161.4	154.3	128.8	106.2	92.0
22.5°	254.9	235.1	219.4	202.5	188.4	177.0	165.7	157.2	124.7	100.6	84.9
25°	293.1	267.6	242.1	220.9	202.5	186.9	172.7	161.4	121.8	96.3	80.7
27.5°	335.6	305.9	271.9	246.4	220.9	198.2	182.7	168.5	121.8	93.5	76.5
30°	395.1	352.6	311.5	279.0	244.9	219.4	196.8	178.4	121.8	92.0	72.2
32.5°	467.3	419.2	366.8	320.0	280.4	243.5	215.3	191.2	124.7	89.2	69.4
35°	567.8	497.0	434.7	376.7	324.3	281.8	244.9	212.4	128.8	87.8	65.1
37.5°	647.2	562.1	482.9	416.3	355.4	303.1	256.3	220.9	124.7	82.1	60.9
40°	742.1	645.7	549.4	465.9	396.5	328.6	274.7	232.2	121.8	75.1	55.3
42.5°	856.7	736.4	624.5	529.6	443.3	362.5	298.8	246.4	121.8	70.8	51.0
45°	964.4	832.7	708.0	589.1	488.6	399.4	321.5	262.0	120.4	66.5	45.3
47.5°	1097.4	941.7	795.8	658.4	542.3	433.3	345.5	276.1	119.0	62.3	41.0
50°	1254.6	1064.8	900.7	736.4	594.7	474.4	373.9	291.7	116.1	58.0	36.8
52.5°	1428.8	1224.8	1015.4	825.6	659.9	518.2	400.7	305.9	111.9	53.8	32.6
55°	1737.5	1457.1	1209.3	974.2	759.0	583.4	440.4	327.1	107.6	49.6	28.3
57.5°	2478.1	2013.6	1662.4	1308.5	999.7	749.1	548.0	388.0	102.0	43.9	22.7
60°	3891.3	3125.2	2529.0	1983.9	1512.4	1149.9	807.2	573.5	109.0	36.8	19.8
62.5°	4991.6	4110.8	3351.8	2667.8	2071.7	1574.6	1175.4	856.7	157.2	32.6	15.5
64°	5279.1	4386.9	3577.0	2860.4	2240.2	1727.5	1311.3	968.6	202.5	32.6	14.1
65°	5321.5	4471.9	3657.7	2931.3	2298.2	1768.7	1350.9	1005.4	220.9	34.0	12.7
67.5°	5146.0	4422.4	3681.8	2960.9	2342.2	1825.3	1404.8	1063.4	249.2	32.6	10.0
70°	4494.5	3962.2	3353.2	2769.8	2209.0	1734.7	1350.9	1030.9	260.6	31.2	8.5
72.5°	3058.7	2691.9	2332.2	1918.7	1537.9	1267.4	985.6	726.4	182.7	25.5	7.1
75°	1019.5	994.1	889.3	674.1	566.4	460.2	368.2	283.3	69.4	15.5	7.1
77.5°	170.0	145.9	127.4	121.8	102.0	99.2	86.4	69.4	29.8	10.0	7.1
80°	99.2	90.6	79.3	70.8	62.3	55.3	46.7	39.6	18.4	7.1	8.5
82.5°	73.7	65.1	58.0	51.0	43.9	38.2	32.6	26.9	10.0	7.1	8.5
85°	42.5	36.8	32.6	28.3	22.7	19.8	17.0	14.1	7.1	7.1	7.1
87.5°	8.5	8.5	7.1	7.1	7.1	7.1	7.1	5.7	7.1	7.1	5.7
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°	151.5	151.5	151.5	151.5	151.5	151.5	151.5
2.5°	135.9	131.7	130.2	130.2	130.2	130.2	130.2
5°	124.7	120.4	117.5	116.1	116.1	116.1	116.1
7.5°	116.1	110.4	107.6	104.7	104.7	103.3	103.3
10°	107.6	102.0	97.7	94.9	93.5	93.5	93.5
12.5°	100.6	94.9	89.2	86.4	86.4	84.9	84.9
15°	94.9	86.4	82.1	79.3	79.3	77.9	77.9
17.5°	87.8	80.7	76.5	73.7	72.2	72.2	72.2
20°	80.7	73.7	69.4	68.0	66.5	66.5	65.1
22.5°	75.1	68.0	63.7	62.3	60.9	60.9	59.4
25°	69.4	62.3	58.0	56.7	55.3	53.8	53.8
27.5°	65.1	58.0	53.8	51.0	49.6	48.2	48.2
30°	60.9	52.4	48.2	45.3	43.9	42.5	42.5
32.5°	56.7	48.2	42.5	39.6	38.2	36.8	36.8
35°	51.0	42.5	36.8	35.4	34.0	32.6	31.2
37.5°	46.7	36.8	32.6	29.8	28.3	26.9	26.9
40°	41.0	32.6	28.3	25.5	22.7	21.2	21.2
42.5°	36.8	28.3	24.1	19.8	18.4	17.0	17.0
45°	32.6	25.5	19.8	15.5	14.1	12.7	12.7
47.5°	28.3	21.2	15.5	12.7	11.3	10.0	10.0
50°	24.1	17.0	11.3	8.5	10.0	8.5	8.5
52.5°	21.2	12.7	8.5	8.5	8.5	8.5	8.5
55°	17.0	10.0	7.1	7.1	8.5	8.5	8.5
57.5°	14.1	7.1	5.7	7.1	7.1	7.1	7.1
60°	10.0	5.7	5.7	7.1	7.1	7.1	7.1
62.5°	8.5	5.7	5.7	5.7	7.1	7.1	7.1
64°	7.1	5.7	5.7	5.7	7.1	7.1	7.1
65°	7.1	5.7	5.7	5.7	7.1	7.1	7.1
67.5°	7.1	5.7	5.7	5.7	7.1	7.1	7.1
70°	5.7	5.7	5.7	5.7	7.1	7.1	7.1
72.5°	5.7	5.7	5.7	5.7	7.1	7.1	7.1
75°	5.7	5.7	5.7	5.7	7.1	7.1	7.1
77.5°	5.7	5.7	5.7	7.1	7.1	7.1	7.1
80°	5.7	5.7	5.7	7.1	7.1	7.1	7.1
82.5°	5.7	5.7	5.7	7.1	7.1	7.1	7.1
85°	5.7	5.7	5.7	7.1	7.1	7.1	7.1
87.5°	5.7	5.7	5.7	7.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)