

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: P180357

Luminaire Tested: **ICM-E01-LED-E1-SL2-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180357
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E01-LED-E1-SL2-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1557.9 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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

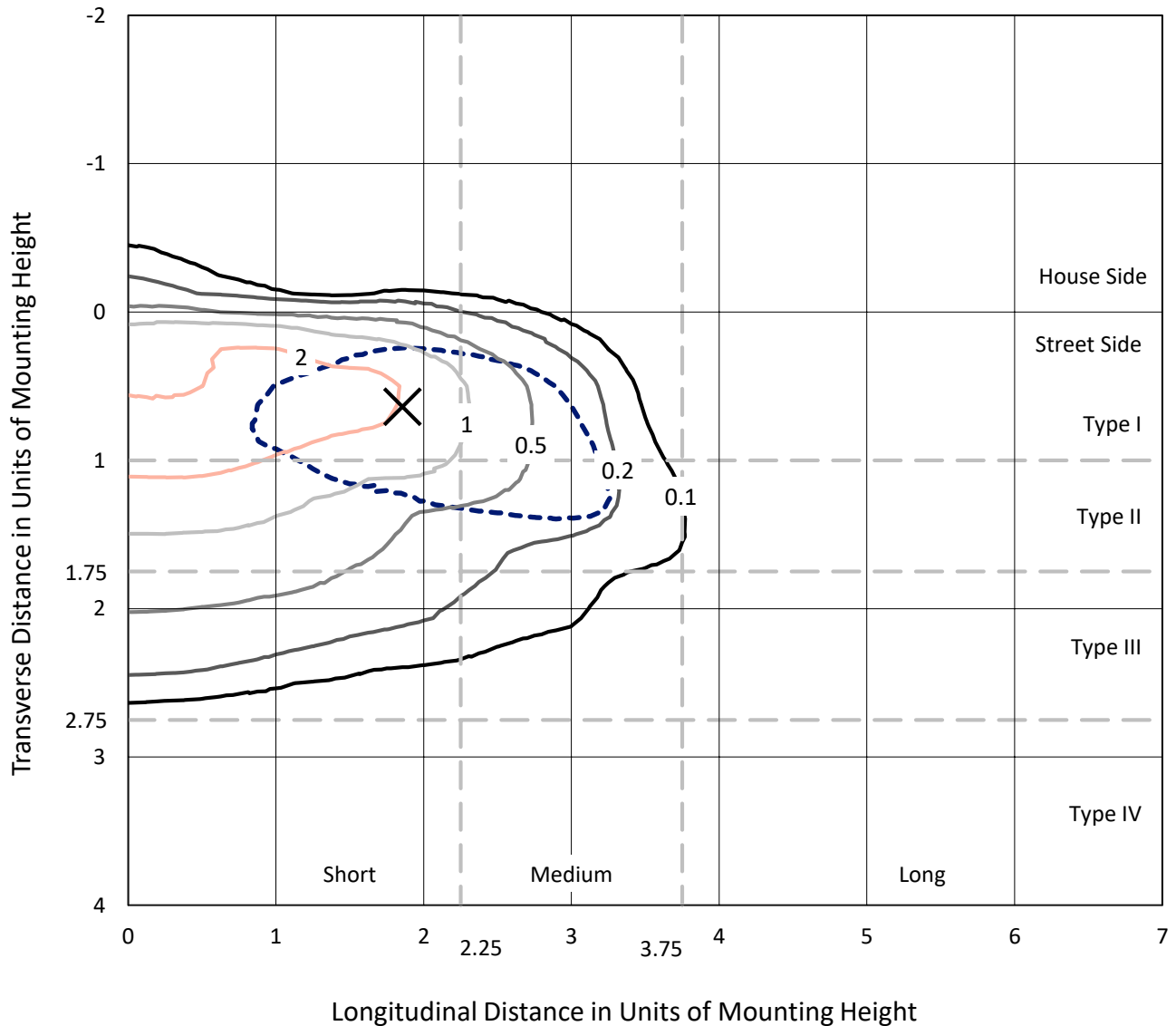


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Iso-Footcandle Lines of Horizontal Illumination

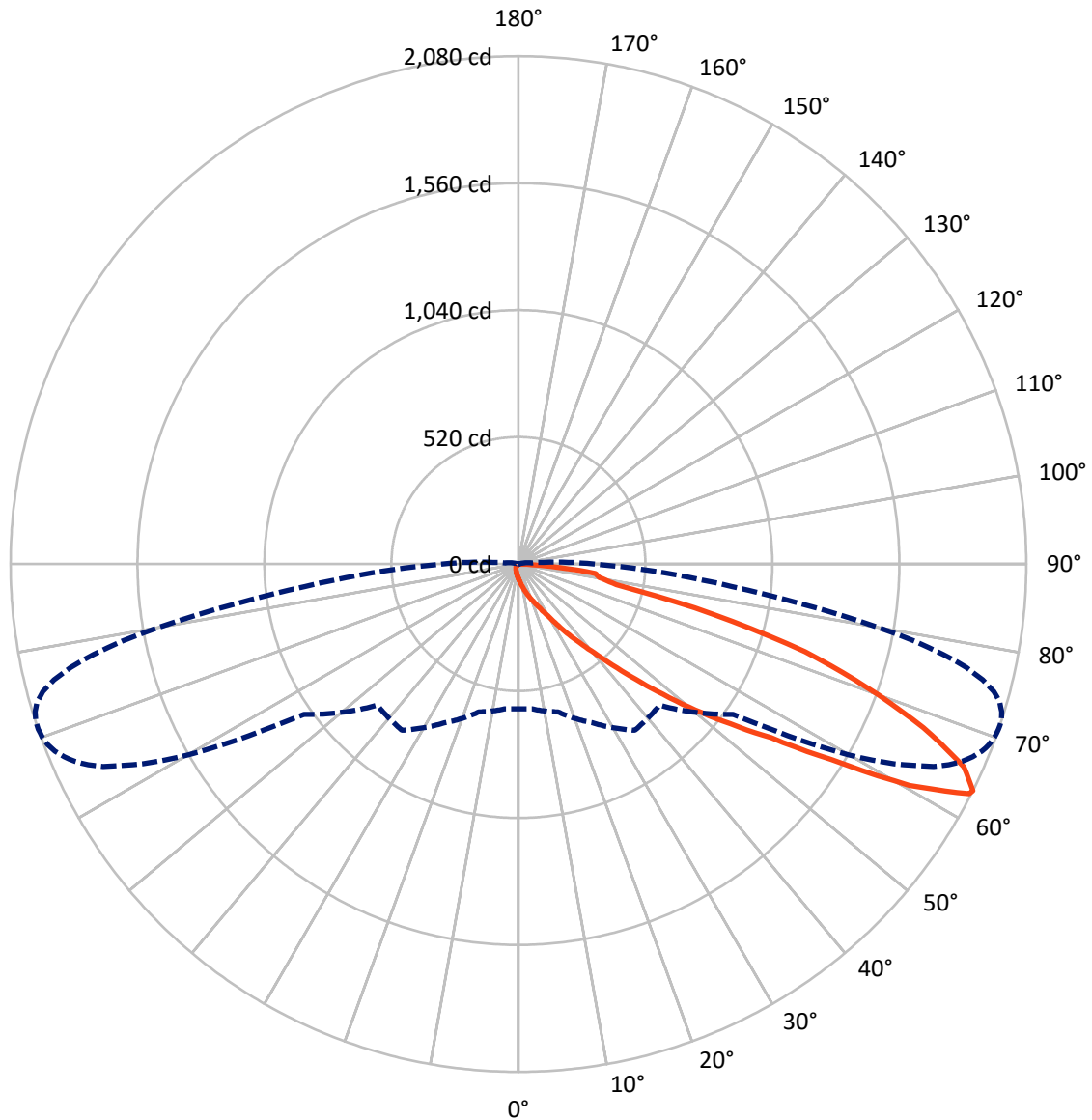
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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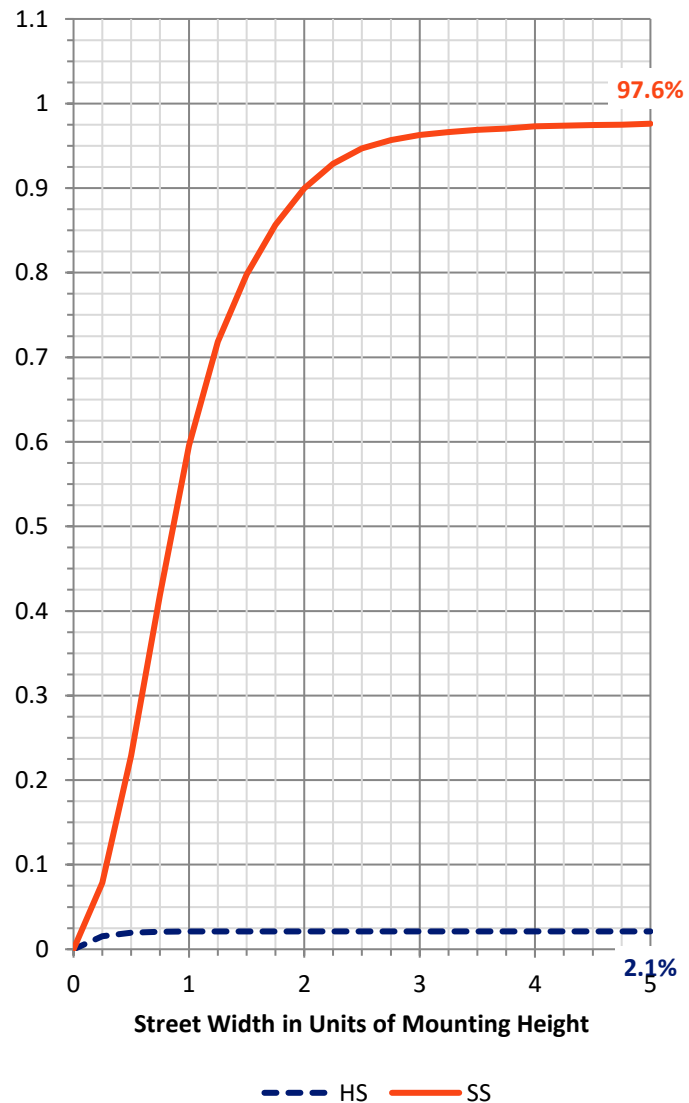
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.1	0.0	33.1
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	1524.8	0.0	1524.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	1557.9	0.0	1557.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.4
10°-20°	25.6	1.6
20°-30°	52.0	3.3
30°-40°	127.1	8.2
40°-50°	284.3	18.2
50°-60°	399.7	25.7
60°-70°	470.1	30.2
70°-80°	169.7	10.9
80°-90°	22.7	1.5
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°	1557.9	100.0
0°-180°	1557.9	100.0



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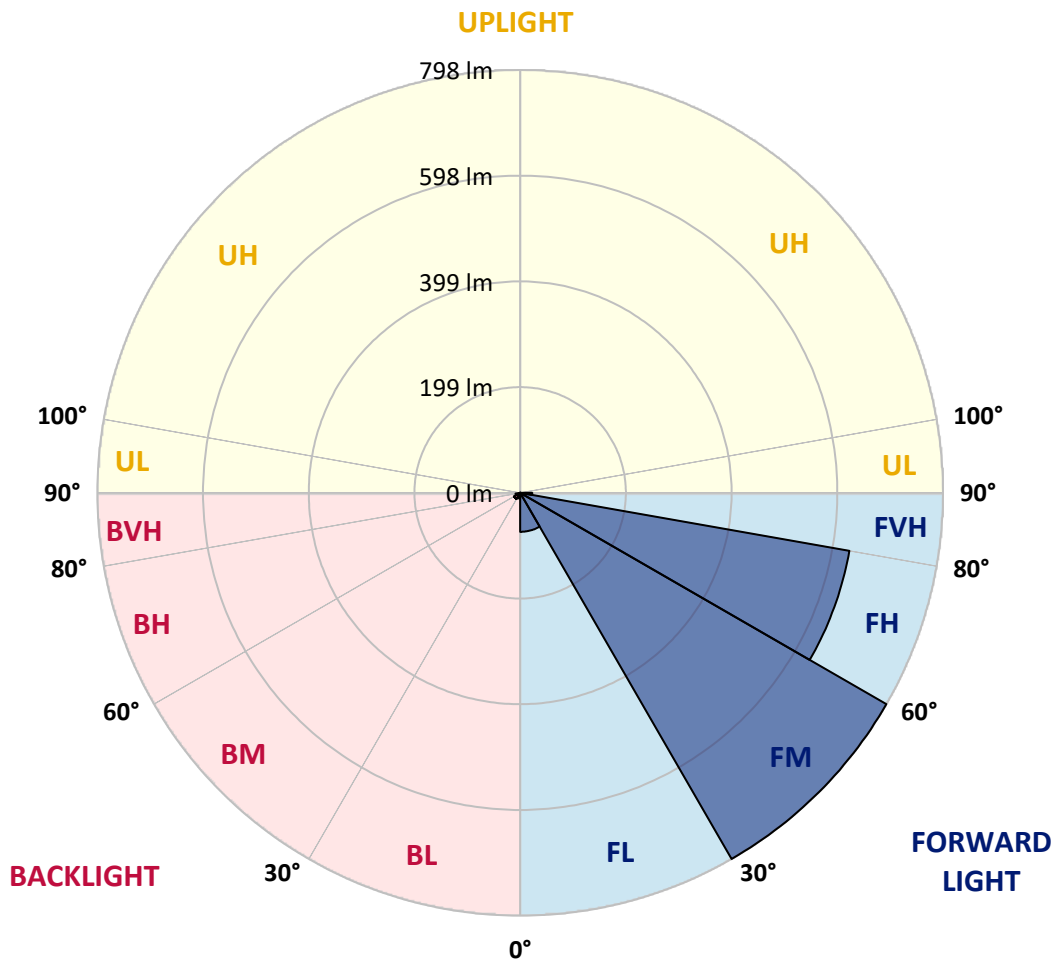
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.6	4.7			
FM	(30°-60°)	797.8	51.2			
FH	(60°-80°)	630.7	40.5			G0/660
FVH	(80°-90°)	22.6	1.5			G1/100
BL	(0°-30°)	10.6	0.7	B0/110		
BM	(30°-60°)	13.3	0.9	B0/220		
BH	(60°-80°)	9.1	0.6	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			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°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	78.1	79.0	78.4	77.0	75.3	73.0	71.1	71.1	70.8	70.0	70.2
5°	102.5	102.8	101.7	98.2	95.2	90.3	84.9	84.4	83.8	83.0	82.7
7.5°	126.3	127.4	126.3	122.6	116.4	109.0	100.6	99.7	98.0	98.0	96.8
10°	150.7	150.7	149.5	145.3	139.6	129.1	118.4	116.9	115.0	114.4	112.7
12.5°	167.9	167.9	167.3	165.1	160.6	151.3	138.2	136.7	134.2	133.4	131.4
15°	174.7	174.7	175.1	177.0	177.3	173.0	159.4	158.3	155.7	153.5	152.7
17.5°	179.0	178.7	178.7	181.6	186.6	189.5	180.7	179.5	176.7	175.6	172.7
20°	188.4	187.8	186.0	186.0	190.9	200.8	200.8	200.6	197.4	196.6	195.2
22.5°	202.2	201.7	196.6	192.3	194.6	207.1	218.6	218.0	216.9	215.8	215.0
25°	224.8	222.9	214.1	201.7	199.6	212.9	232.2	233.7	234.5	234.5	235.1
27.5°	259.2	256.6	241.0	217.8	209.0	222.6	247.3	250.0	252.7	253.2	255.7
30°	306.7	302.1	279.8	245.9	225.7	236.7	269.3	272.5	276.1	277.3	281.2
32.5°	384.8	382.3	360.8	309.9	266.8	264.6	300.2	304.2	309.0	311.0	315.8
35°	503.8	504.4	486.8	440.9	381.5	350.3	355.4	358.8	360.6	366.5	369.0
37.5°	584.6	586.0	590.0	571.8	529.3	497.6	457.7	461.3	452.6	453.4	453.7
40°	628.7	633.3	656.5	674.1	670.6	652.2	620.2	622.2	605.8	602.1	584.3
42.5°	658.1	664.1	701.2	755.6	783.4	800.1	792.7	791.8	779.1	774.3	759.3
45°	676.6	682.0	728.7	808.8	872.8	921.6	941.7	943.9	933.2	928.4	915.9
47.5°	675.7	682.0	732.1	828.7	923.0	1000.8	1057.5	1060.4	1066.9	1062.6	1063.4
50°	638.3	644.3	694.7	795.0	908.3	1037.1	1140.8	1149.9	1160.3	1167.4	1170.8
52.5°	593.0	597.3	642.1	737.2	845.4	1022.1	1190.1	1205.6	1221.2	1234.5	1243.8
55°	576.4	581.1	616.3	695.3	795.0	959.3	1213.0	1235.9	1258.1	1279.8	1297.7
57.5°	585.1	589.7	614.9	675.4	764.9	892.9	1219.5	1255.2	1291.4	1326.8	1362.0
60°	617.4	622.2	643.7	693.9	757.0	854.7	1194.1	1253.2	1313.5	1375.3	1433.3
62.5°	604.7	606.6	638.3	726.1	813.7	822.1	1101.4	1184.1	1276.2	1371.3	1465.0
63°	592.5	594.7	627.1	717.4	831.0	817.3	1072.8	1160.0	1257.2	1359.7	1461.7
65°	537.2	537.5	562.1	633.6	811.7	825.9	945.4	1028.7	1140.2	1263.1	1392.0
67.5°	401.0	399.1	422.8	477.2	637.2	826.1	811.4	858.1	935.7	1044.8	1160.3
70°	142.1	139.1	177.6	252.9	397.0	675.7	697.3	700.4	721.9	780.8	853.3
72.5°	46.1	47.0	56.7	92.7	183.0	454.8	631.3	621.7	616.0	615.7	625.3
75°	18.4	18.7	22.7	41.0	82.1	219.2	552.8	558.2	560.2	563.0	566.1
77.5°	8.7	9.7	12.7	23.0	40.7	108.5	395.6	441.2	467.3	487.4	499.5
80°	3.1	3.7	7.1	14.1	19.0	49.9	208.5	251.5	289.8	339.0	381.5
82.5°	0.0	0.0	1.4	10.0	10.5	20.1	85.5	100.3	114.7	148.7	190.9
85°	0.0	0.0	0.0	2.8	3.1	3.4	28.9	34.8	39.1	45.6	52.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.7	4.3	6.5
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°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	69.7	69.4	69.4	68.8	68.6	68.0	67.7	66.9	66.5	66.5	66.5
5°	82.4	81.3	80.7	79.3	78.4	78.1	76.7	76.2	75.3	75.6	74.2
7.5°	96.6	94.6	93.8	91.7	91.2	89.2	88.7	87.3	86.4	84.7	84.1
10°	112.2	109.6	108.2	105.1	104.2	102.8	101.1	99.4	98.0	96.3	95.4
12.5°	130.0	127.7	126.6	122.3	120.4	118.4	116.1	113.9	111.6	110.1	108.2
15°	151.0	147.3	146.1	142.1	138.8	136.2	133.1	130.2	128.6	125.8	123.7
17.5°	171.6	167.9	167.1	161.1	157.5	155.7	152.4	148.7	145.6	142.7	139.6
20°	192.3	189.8	187.4	181.9	177.9	175.1	170.5	166.8	164.3	160.3	156.4
22.5°	212.9	210.4	208.7	202.8	199.1	195.2	191.2	187.2	183.5	178.7	174.1
25°	234.2	232.6	231.6	226.3	222.9	219.2	215.3	210.7	206.1	200.8	196.0
27.5°	256.3	256.8	255.2	254.0	250.3	247.8	241.6	238.4	235.1	228.6	222.6
30°	284.4	286.0	285.5	286.3	284.1	282.3	277.6	273.6	269.6	263.4	256.6
32.5°	319.7	322.0	323.2	326.2	325.1	324.6	323.2	317.5	314.6	303.9	301.0
35°	374.4	373.3	378.0	380.7	379.5	379.0	377.2	374.1	370.7	363.1	356.0
37.5°	445.5	446.6	448.3	443.3	439.8	439.5	434.4	431.4	426.5	418.0	409.5
40°	575.7	568.7	560.7	539.3	529.9	524.5	509.5	505.2	497.0	485.4	476.7
42.5°	745.1	738.1	714.2	678.3	659.1	632.4	620.2	605.2	593.6	574.6	564.5
45°	913.4	892.9	890.1	848.2	824.5	789.3	767.5	742.3	715.9	691.1	672.9
47.5°	1055.3	1050.7	1036.8	1011.4	989.2	959.8	931.7	892.9	865.8	830.3	797.8
50°	1168.8	1168.6	1163.4	1148.7	1130.3	1106.5	1081.9	1049.0	1018.1	974.8	940.0
52.5°	1253.8	1258.3	1260.0	1255.4	1248.4	1227.4	1215.0	1187.5	1161.4	1124.7	1087.0
55°	1316.1	1332.8	1341.3	1350.9	1348.9	1341.6	1341.0	1323.2	1311.3	1282.1	1255.4
57.5°	1393.1	1420.6	1446.9	1493.7	1495.4	1511.8	1520.3	1528.8	1531.1	1519.5	1510.6
60°	1491.1	1547.2	1597.0	1694.7	1720.2	1760.5	1786.5	1814.8	1838.9	1840.8	1840.3
62.5°	1560.2	1646.6	1727.0	1872.0	1921.6	1968.0	2002.9	2030.3	2047.1	2064.0	2072.0
63°	1562.1	1656.8	1742.3	1891.8	1943.9	1988.1	2021.3	2046.8	2064.3	2074.5	2079.6
65°	1514.3	1629.0	1731.0	1879.9	1928.9	1973.4	1990.7	2007.4	2015.9	2019.8	2004.8
67.5°	1283.5	1395.6	1514.6	1681.1	1723.1	1776.3	1790.4	1799.0	1802.9	1802.1	1789.3
70°	959.8	1053.9	1186.1	1376.4	1431.9	1484.0	1516.3	1530.1	1534.7	1533.3	1514.3
72.5°	670.1	725.3	834.3	1046.1	1121.8	1188.7	1228.6	1249.2	1253.5	1245.0	1227.4
75°	562.7	565.6	590.2	706.1	776.8	848.2	893.2	906.2	897.8	872.0	827.3
77.5°	502.4	508.7	508.7	526.0	539.8	559.6	563.9	532.2	495.4	447.7	409.2
80°	421.4	443.3	458.5	471.3	472.7	468.7	458.2	440.4	412.1	375.8	335.6
82.5°	256.0	299.1	316.7	382.3	414.6	436.5	434.7	411.0	389.4	351.7	317.5
85°	64.6	69.7	75.6	98.2	110.1	134.5	149.9	156.9	159.4	146.4	132.6
87.5°	6.2	4.3	7.1	5.4	7.6	5.7	7.6	7.1	8.7	9.3	10.2
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°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	66.0	65.7	65.4	65.1	64.8	64.6	64.0	64.0	63.4	63.2	62.9
5°	73.4	72.7	72.5	71.9	71.1	70.5	69.7	68.6	67.7	67.4	66.9
7.5°	82.7	81.3	80.7	79.9	78.7	77.0	75.9	75.1	73.7	72.7	71.1
10°	93.2	91.7	90.0	88.4	86.7	84.7	83.3	82.1	79.9	78.7	76.7
12.5°	106.5	103.9	102.0	99.7	97.4	95.2	93.5	90.0	88.1	85.5	83.8
15°	120.1	117.9	115.5	112.7	109.3	105.7	103.9	100.8	98.2	94.3	92.0
17.5°	136.5	132.3	128.8	125.5	122.3	119.0	115.5	110.7	107.1	103.6	99.2
20°	152.7	147.5	143.9	139.3	134.8	129.4	125.5	122.0	116.9	112.5	107.6
22.5°	170.0	164.8	158.9	154.3	148.1	143.9	138.5	132.8	127.7	121.8	115.8
25°	190.9	185.5	178.7	172.7	165.7	159.7	153.2	146.7	140.5	133.7	126.0
27.5°	216.7	211.0	203.6	196.6	187.2	179.8	173.6	164.8	156.9	148.4	139.6
30°	249.2	243.0	234.0	223.7	214.4	206.1	197.4	185.8	177.0	166.8	155.4
32.5°	291.7	284.4	272.2	262.5	250.9	240.2	228.0	216.4	203.9	190.6	177.6
35°	345.2	338.4	324.3	310.1	297.4	284.7	269.3	256.0	238.4	222.3	205.6
37.5°	400.7	388.6	375.5	360.3	344.4	329.1	310.4	292.0	271.9	254.3	233.4
40°	464.2	449.5	438.7	422.2	399.9	378.0	360.8	337.9	312.7	289.1	264.6
42.5°	551.2	534.7	515.4	490.5	474.4	448.9	426.5	399.4	366.2	339.8	310.1
45°	651.6	629.3	610.6	586.5	567.0	535.3	509.2	472.9	439.8	405.3	369.0
47.5°	766.3	738.6	711.4	687.6	656.5	625.3	592.2	553.7	511.2	473.2	430.2
50°	898.1	858.7	821.0	790.4	747.6	711.7	675.7	632.4	585.4	541.8	492.7
52.5°	1044.5	998.9	949.0	902.1	852.5	806.3	763.0	713.1	660.7	607.4	552.8
55°	1221.2	1187.0	1128.3	1068.6	1002.2	940.6	884.7	823.0	759.3	689.3	631.8
57.5°	1497.9	1481.2	1432.2	1372.5	1286.1	1211.0	1116.4	1040.8	948.5	852.2	778.0
60°	1872.8	1852.2	1824.8	1776.3	1707.7	1605.8	1501.6	1384.0	1243.5	1110.1	983.6
62.5°	2072.8	2065.5	2043.1	2009.7	1945.7	1865.2	1760.2	1631.0	1472.4	1310.4	1149.0
63°	2078.8	2069.4	2050.2	2016.2	1959.8	1882.0	1778.9	1653.4	1498.1	1333.0	1168.3
65°	1998.3	1994.6	1975.1	1938.1	1899.5	1840.0	1760.2	1652.3	1522.0	1366.0	1202.0
67.5°	1772.3	1761.3	1731.3	1719.9	1693.0	1651.7	1590.8	1516.6	1423.5	1300.8	1159.2
70°	1499.1	1482.6	1444.9	1424.8	1392.0	1366.0	1328.8	1275.8	1218.3	1132.8	1027.2
72.5°	1209.3	1175.4	1140.8	1088.4	1042.5	996.1	955.0	917.6	854.4	819.9	739.7
75°	785.3	723.6	664.4	585.1	513.8	450.6	389.1	358.0	293.1	266.8	229.1
77.5°	372.7	338.1	291.7	255.7	209.9	171.3	139.9	105.1	82.4	64.6	49.3
80°	300.7	271.6	243.5	211.0	176.5	140.7	107.9	80.7	57.2	39.6	28.0
82.5°	268.2	236.5	202.0	179.5	156.1	127.7	104.7	85.5	63.2	46.1	31.4
85°	104.2	87.8	67.7	55.3	43.1	35.4	32.0	22.0	17.3	13.6	10.5
87.5°	9.0	7.3	6.0	4.0	4.3	2.2	2.5	1.7	1.4	1.4	1.1
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°	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	62.6	62.3	62.0	61.5	61.5	60.9	60.7	60.3	58.9	55.8	53.2
5°	65.7	65.1	64.6	63.7	63.2	62.3	61.8	60.9	57.8	51.8	46.7
7.5°	70.2	69.1	68.3	66.5	65.7	64.6	63.7	62.3	57.2	48.2	41.0
10°	75.6	73.7	72.2	70.2	68.6	67.2	65.7	63.7	56.7	44.2	36.0
12.5°	82.1	79.9	77.0	74.8	72.5	70.5	68.6	66.0	55.8	40.7	32.0
15°	88.7	85.2	83.3	80.2	77.0	74.2	71.3	69.1	56.1	37.1	28.6
17.5°	96.0	92.7	88.4	84.9	81.6	77.9	74.5	70.0	54.7	34.2	26.0
20°	103.1	98.2	94.3	90.0	85.2	80.7	76.5	72.5	53.5	31.4	23.8
22.5°	110.7	105.1	100.0	94.6	88.7	83.5	78.4	73.4	51.5	28.9	21.8
25°	120.1	113.6	106.2	99.7	93.5	87.3	80.7	74.5	49.6	26.6	20.4
27.5°	131.4	122.9	115.5	107.3	98.5	90.6	83.5	76.7	47.5	24.9	19.0
30°	145.9	135.9	125.5	115.0	105.7	96.6	86.7	78.1	45.6	23.3	17.6
32.5°	165.1	152.7	139.9	127.7	115.3	103.6	93.2	82.1	44.5	21.8	16.2
35°	190.6	174.4	158.9	143.6	128.6	114.4	100.8	88.4	44.5	20.1	14.4
37.5°	214.7	196.0	176.2	157.2	139.3	122.9	106.8	91.7	42.2	18.7	13.0
40°	240.7	218.3	195.2	172.7	151.3	130.9	112.5	95.2	40.2	17.0	11.6
42.5°	280.7	252.4	222.0	196.0	170.2	145.0	122.0	101.7	37.7	15.3	10.2
45°	333.0	297.1	261.4	229.7	196.8	166.0	138.8	113.6	37.1	13.9	8.7
47.5°	389.1	346.6	304.7	264.3	225.7	189.8	157.2	126.9	37.1	12.5	7.6
50°	444.9	391.7	347.0	299.9	256.6	214.1	175.3	140.7	37.4	11.3	6.2
52.5°	495.4	438.4	388.3	333.9	286.0	236.7	194.6	154.3	36.8	10.0	5.1
55°	565.3	498.4	440.4	380.4	324.3	268.7	220.9	174.7	37.1	8.7	4.3
57.5°	694.1	615.7	545.8	467.0	402.4	330.8	272.7	216.7	40.5	7.3	3.1
60°	879.1	777.1	678.9	582.9	500.7	415.4	340.1	274.1	47.5	6.0	2.2
62.5°	1003.4	870.1	752.7	646.9	551.4	462.2	380.1	305.0	52.4	4.8	1.4
63°	1016.2	878.2	760.4	651.1	553.7	464.5	381.8	307.3	52.7	4.6	1.4
65°	1040.2	892.4	764.7	651.9	551.4	461.3	380.7	307.0	53.2	3.7	1.1
67.5°	1012.8	870.6	740.0	627.6	531.6	443.0	366.5	295.6	52.9	2.5	0.8
70°	905.7	787.9	673.2	568.4	481.2	401.0	333.6	269.6	48.7	1.7	0.6
72.5°	664.9	584.8	495.9	420.3	362.5	301.0	256.8	202.5	37.7	1.1	0.3
75°	197.1	179.5	151.0	133.1	117.5	97.1	86.4	67.4	19.3	0.6	0.0
77.5°	39.3	35.7	32.0	29.2	27.4	23.5	22.4	18.4	7.9	0.3	0.0
80°	20.7	17.0	14.4	12.7	11.1	9.0	7.6	6.2	1.4	0.0	0.0
82.5°	19.8	13.3	9.7	7.9	6.8	5.4	4.3	3.1	0.8	0.0	0.0
85°	7.3	5.7	4.3	3.4	2.8	2.5	2.0	1.7	0.0	0.0	0.0
87.5°	1.1	0.8	0.8	0.6	0.6	0.3	0.3	0.3	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	59.7	59.7	59.7	59.7	59.7	59.7	59.7
2.5°	50.7	48.5	47.3	45.9	45.9	45.6	46.1
5°	42.2	39.1	36.8	35.2	35.4	34.5	34.8
7.5°	35.7	32.6	30.6	29.5	29.2	28.9	28.9
10°	30.9	28.0	26.3	25.5	25.2	25.2	25.2
12.5°	27.4	24.7	23.3	22.7	22.7	22.4	22.4
15°	24.7	22.4	20.9	20.4	20.4	20.1	20.4
17.5°	22.4	20.1	19.0	18.4	18.4	18.1	18.1
20°	20.4	18.4	17.3	16.5	16.5	16.2	16.5
22.5°	18.7	16.7	15.3	14.7	14.4	14.1	14.4
25°	17.0	15.0	13.6	12.7	12.5	12.5	12.2
27.5°	15.5	13.6	11.9	11.1	10.8	10.8	10.5
30°	14.1	11.9	10.2	9.3	9.0	9.0	9.0
32.5°	12.7	10.2	8.7	7.9	7.6	7.6	7.6
35°	11.3	8.7	7.3	6.5	6.2	6.2	6.2
37.5°	9.7	7.3	5.7	5.1	4.8	4.6	4.6
40°	8.2	5.7	4.3	3.7	3.1	3.1	3.1
42.5°	6.8	4.6	3.1	2.2	2.0	1.7	2.0
45°	5.7	3.4	2.0	1.1	0.8	0.8	0.8
47.5°	4.6	2.2	0.8	0.3	0.3	0.3	0.3
50°	3.4	1.4	0.3	0.0	0.0	0.3	0.3
52.5°	2.5	0.8	0.0	0.0	0.0	0.0	0.0
55°	1.4	0.3	0.0	0.0	0.0	0.0	0.0
57.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)