

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: P181214

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181214
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: ICS-F02-LED-E1-T2-HSS-8030
Description: ICON SITE SMALL 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: 2008.4 lumens
Efficiency: N/A
Efficacy: 36.5 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

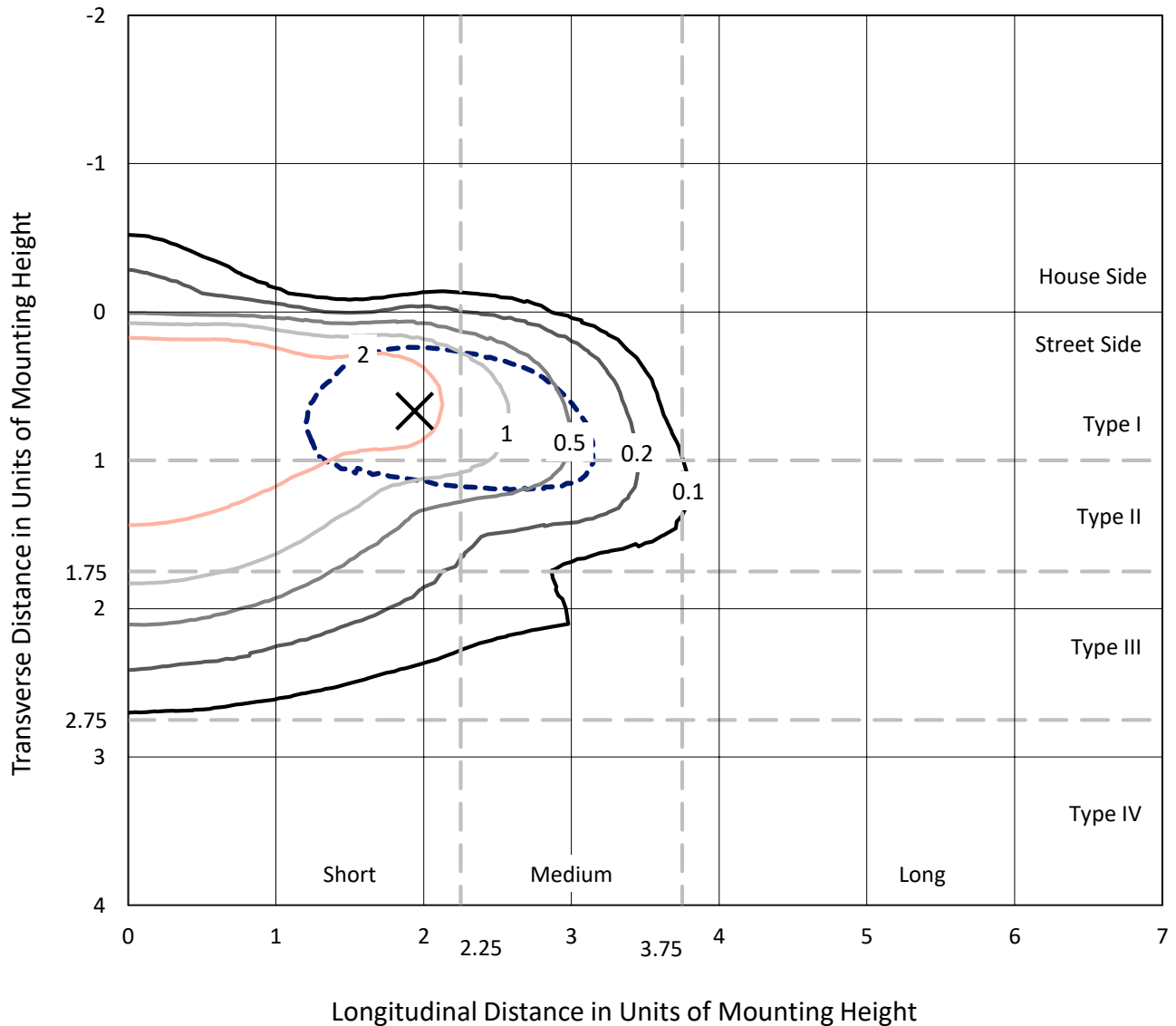
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

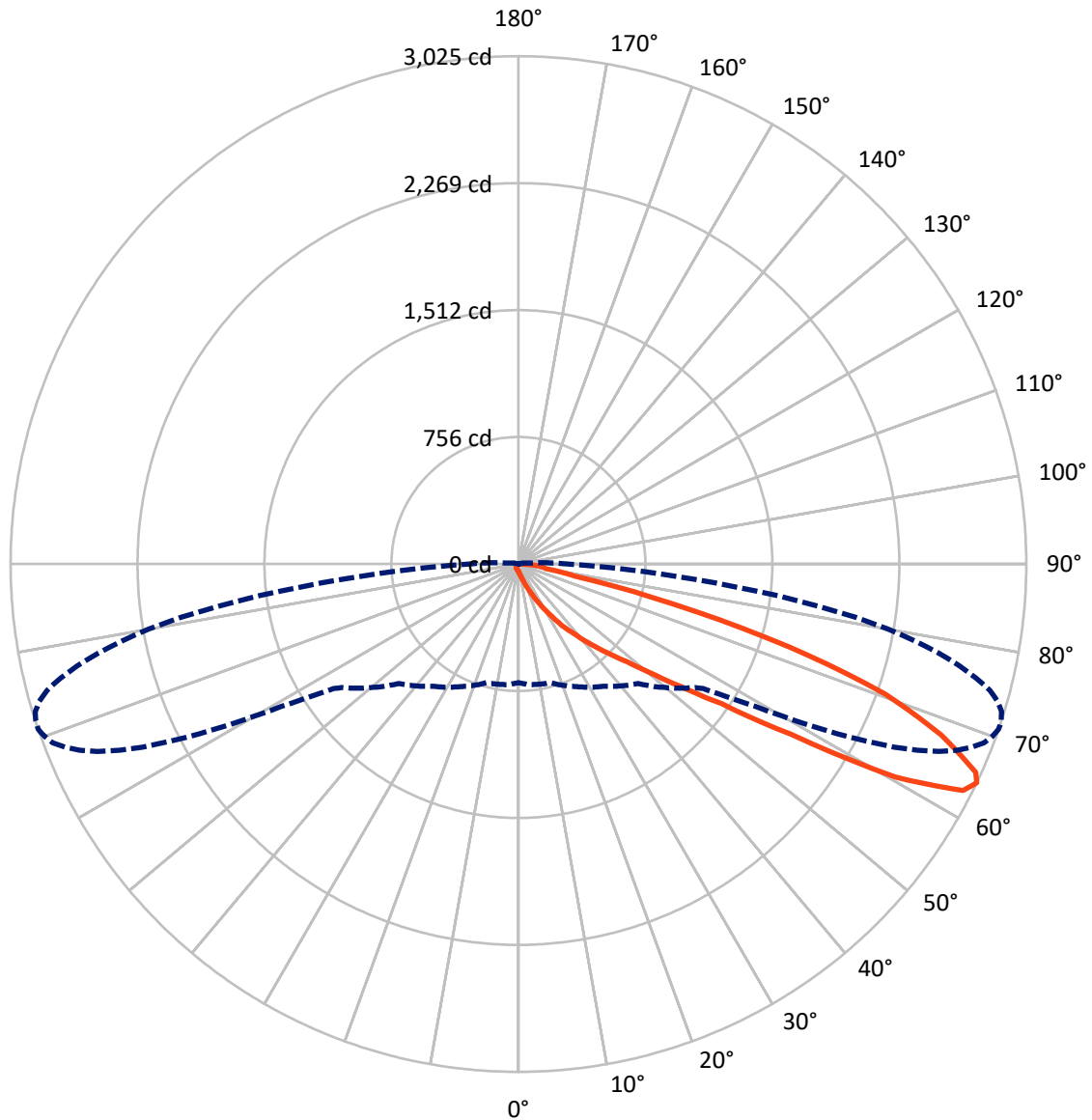
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 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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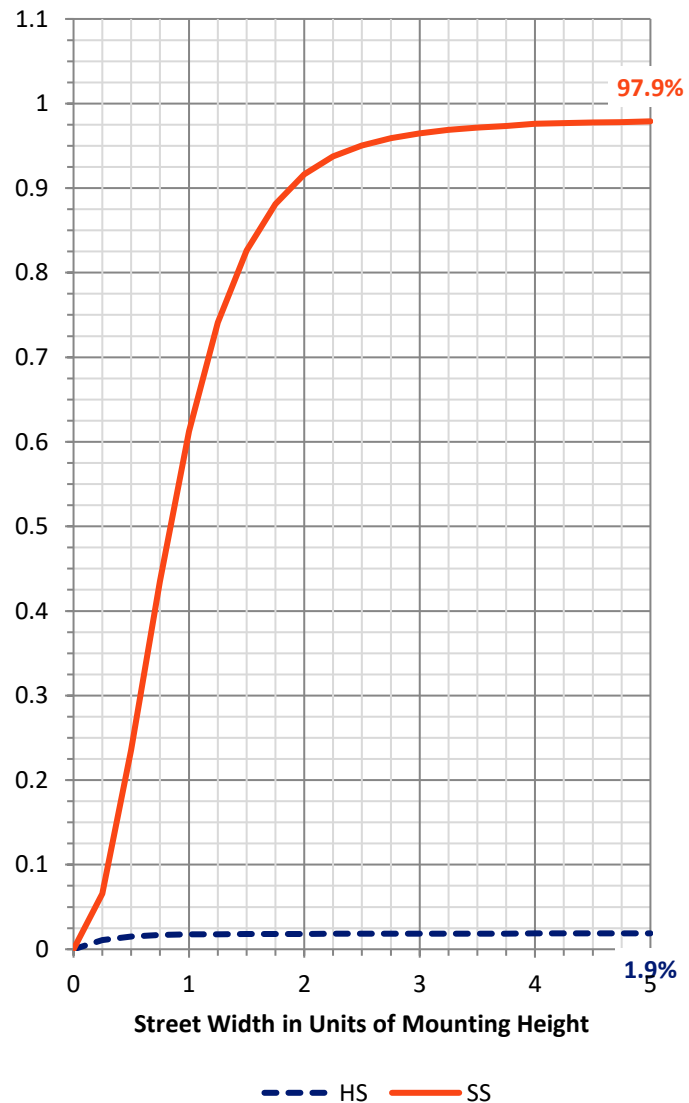
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.5	0.0	38.5
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1969.9	0.0	1969.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	2008.4	0.0	2008.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.3
10°-20°	36.3	1.8
20°-30°	92.8	4.6
30°-40°	187.6	9.3
40°-50°	342.9	17.1
50°-60°	534.3	26.6
60°-70°	593.8	29.6
70°-80°	193.7	9.6
80°-90°	20.8	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°	2008.4	100.0
0°-180°	2008.4	100.0



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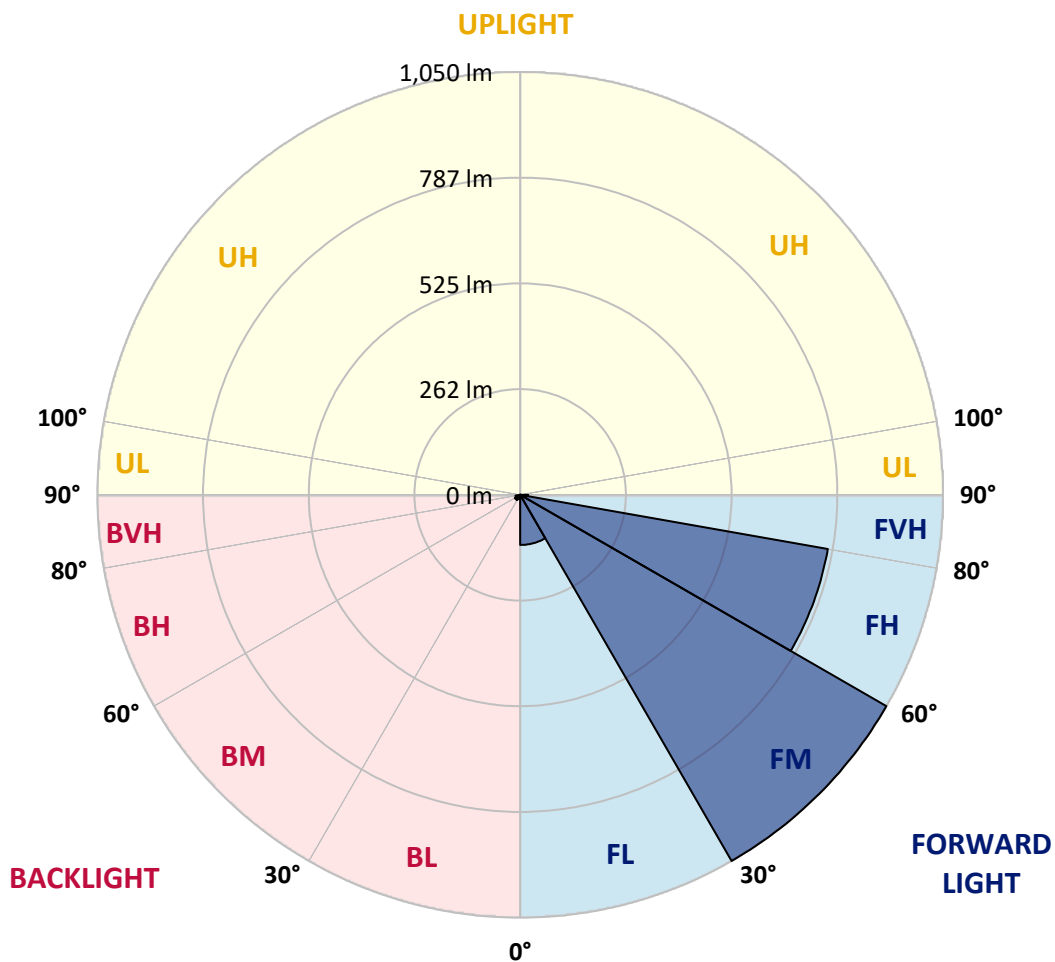
CATALOG NUMBER: ICS-F02-LED-E1-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.5	6.2			
FM (30°-60°)	1049.9	52.3			
FH (60°-80°)	775.6	38.6			G1/1800
FVH (80°-90°)	19.8	1.0			G1/100
BL (0°-30°)	10.7	0.5	B0/110		
BM (30°-60°)	14.9	0.7	B0/220		
BH (60°-80°)	11.9	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°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	60.2	59.4	59.4	58.1	56.4	54.8	53.1	52.7	52.3	51.8	51.8
5°	94.5	91.1	89.9	85.3	79.4	72.3	66.1	64.4	64.4	63.1	62.3
7.5°	148.4	146.7	138.0	133.4	119.6	102.4	84.4	82.8	82.4	80.7	78.2
10°	217.4	214.0	207.8	194.4	169.3	139.6	114.1	110.0	107.0	103.7	100.3
12.5°	286.4	282.2	273.0	251.3	226.2	188.1	147.2	143.4	138.8	134.2	128.8
15°	355.4	352.4	338.2	316.5	283.9	238.3	186.5	179.8	176.0	166.8	162.6
17.5°	415.1	411.4	400.1	375.4	341.6	291.4	229.9	221.6	215.3	209.9	199.8
20°	467.0	463.2	452.3	431.9	393.8	344.5	276.8	272.6	261.3	252.9	247.1
22.5°	498.8	497.5	490.4	470.7	436.9	393.0	330.3	323.6	316.1	304.8	298.1
25°	518.4	517.1	513.0	499.2	476.2	444.0	389.2	380.9	374.2	364.1	355.8
27.5°	538.9	538.0	534.7	522.6	510.5	490.4	449.0	444.4	429.8	423.9	416.0
30°	572.7	569.0	571.9	566.1	550.6	538.0	509.2	502.5	496.2	486.2	479.1
32.5°	626.7	620.4	626.7	620.4	613.7	598.7	571.1	569.0	562.7	556.4	546.4
35°	692.7	690.2	695.2	700.7	695.2	675.2	641.7	635.5	632.9	622.9	619.2
37.5°	759.2	763.8	773.0	785.1	781.8	767.1	719.9	714.1	709.5	700.7	694.0
40°	830.7	831.1	850.8	868.3	877.1	868.3	806.0	801.4	795.2	782.6	780.9
42.5°	908.5	905.1	919.7	939.4	957.4	969.5	919.7	911.0	902.2	888.0	878.4
45°	977.4	977.4	989.1	1007.5	1035.1	1065.6	1039.7	1030.5	1022.2	1010.5	999.6
47.5°	1028.4	1028.9	1036.0	1062.7	1105.8	1151.3	1152.2	1153.9	1147.6	1133.8	1134.2
50°	1064.4	1059.8	1069.4	1095.3	1145.1	1216.6	1268.0	1270.9	1275.9	1264.6	1268.0
52.5°	1090.7	1088.6	1094.9	1116.6	1166.4	1253.8	1362.9	1375.4	1383.0	1384.6	1398.4
55°	1076.9	1078.2	1093.2	1124.6	1178.1	1278.4	1443.6	1464.1	1481.6	1496.7	1513.8
57.5°	1031.4	1035.1	1061.5	1110.4	1180.6	1298.5	1529.3	1560.6	1593.7	1633.8	1667.7
60°	958.6	967.4	1002.9	1071.5	1156.4	1272.2	1554.8	1602.9	1653.4	1714.5	1782.6
62.5°	852.0	853.7	877.1	943.6	1037.2	1132.1	1437.7	1499.2	1566.1	1654.3	1749.6
64°	706.1	721.2	732.0	805.2	888.8	1007.1	1283.0	1325.7	1418.9	1527.2	1647.2
65°	582.8	600.8	609.5	682.7	778.4	891.3	1148.4	1194.0	1292.2	1402.2	1551.9
67.5°	343.6	331.5	357.0	400.1	480.4	614.1	774.7	809.4	882.5	1013.4	1133.0
70°	221.6	221.6	245.0	288.9	363.3	465.7	532.2	517.6	533.0	583.6	668.1
72.5°	142.1	149.7	163.9	201.1	270.1	390.5	543.9	474.9	439.0	422.2	421.4
75°	64.8	69.0	84.4	106.6	144.2	254.6	548.5	518.4	485.4	453.6	428.9
77.5°	13.8	15.9	26.8	55.2	70.2	117.5	389.2	434.4	470.3	480.8	480.8
80°	7.1	7.5	11.3	25.9	30.1	39.7	150.1	197.3	243.3	303.9	367.5
82.5°	2.9	3.3	6.7	11.7	12.5	12.1	39.7	50.2	69.0	100.3	149.7
85°	0.8	0.8	2.9	4.6	6.7	5.4	8.8	10.0	13.0	18.8	36.0
87.5°	0.0	0.0	0.4	0.8	1.3	2.1	2.5	2.5	2.5	2.5	2.5
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°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	51.4	51.4	51.0	50.6	50.6	49.7	49.7	49.3	49.3	48.9	48.9
5°	61.9	61.0	60.2	58.9	58.5	57.7	56.9	56.0	55.2	54.8	53.9
7.5°	76.9	76.1	73.6	71.9	69.8	68.6	66.9	65.6	64.4	63.5	61.9
10°	97.0	94.1	92.8	87.0	85.7	82.8	80.3	78.6	75.3	73.2	71.1
12.5°	125.4	120.0	117.9	107.9	104.9	100.8	97.8	93.6	89.9	87.4	83.6
15°	157.6	153.4	145.5	135.5	130.0	125.4	118.3	115.0	110.0	104.5	99.1
17.5°	196.1	188.5	179.8	166.8	160.1	153.0	146.3	139.2	130.9	125.8	120.0
20°	240.8	232.9	222.0	205.7	197.7	190.6	178.9	173.9	163.9	153.8	146.3
22.5°	289.7	281.8	271.3	252.9	242.5	230.8	221.2	212.4	200.7	190.6	181.9
25°	344.9	335.7	327.8	306.4	293.5	281.4	270.9	255.4	245.4	233.7	221.6
27.5°	407.6	396.7	386.3	362.9	350.8	337.4	324.8	308.5	298.9	279.7	268.4
30°	472.0	458.6	447.7	423.9	413.0	399.3	382.1	367.5	351.2	338.2	319.8
32.5°	539.7	528.9	520.1	495.0	481.2	464.1	448.6	433.1	418.9	398.0	381.3
35°	612.0	602.4	592.8	571.1	559.0	546.0	528.4	509.6	490.0	468.2	453.2
37.5°	688.1	680.6	673.1	646.7	632.5	618.7	598.7	579.9	562.3	539.3	513.8
40°	768.0	760.9	748.8	727.0	712.0	699.4	681.0	663.5	639.6	614.1	591.6
42.5°	868.3	852.9	842.4	818.6	802.7	788.9	772.6	746.2	726.2	695.7	673.9
45°	985.8	971.2	954.0	929.8	910.1	887.6	864.6	846.6	821.5	793.9	765.9
47.5°	1117.9	1106.2	1086.1	1062.3	1042.7	1020.1	992.9	969.9	939.4	907.2	869.2
50°	1263.4	1251.3	1237.9	1211.1	1191.5	1170.2	1148.8	1121.7	1094.1	1055.6	1016.3
52.5°	1398.4	1400.9	1393.0	1380.4	1370.8	1348.7	1329.0	1303.1	1278.9	1243.7	1213.2
55°	1531.8	1553.5	1561.9	1574.0	1578.2	1560.2	1559.8	1521.8	1507.1	1486.6	1469.1
57.5°	1707.8	1755.9	1793.9	1867.5	1898.4	1929.8	1935.6	1908.9	1936.5	1900.9	1913.1
60°	1857.5	1945.7	2040.2	2230.4	2325.7	2397.6	2455.3	2497.9	2525.5	2572.3	2574.9
62.5°	1870.8	2009.6	2153.4	2431.0	2561.5	2670.6	2774.7	2847.4	2905.1	2958.2	2971.2
64°	1806.9	1978.7	2153.4	2489.2	2622.5	2743.8	2838.7	2911.0	2969.9	3003.0	3024.7
65°	1690.7	1883.0	2084.0	2450.7	2588.2	2717.0	2807.7	2880.5	2936.1	2969.1	2991.7
67.5°	1252.5	1438.6	1640.5	2067.3	2283.9	2401.8	2518.0	2620.0	2664.7	2706.5	2714.5
70°	763.4	898.4	1037.6	1433.5	1634.6	1846.6	1977.4	2126.7	2231.2	2295.6	2316.9
72.5°	460.7	507.5	590.7	803.5	996.2	1145.1	1326.1	1468.7	1585.7	1650.5	1683.1
75°	410.1	404.3	415.1	503.8	572.3	661.8	727.4	816.9	889.2	911.8	954.0
77.5°	474.1	457.4	440.2	423.5	420.2	411.8	398.4	401.8	370.0	339.5	340.3
80°	422.2	462.4	486.2	468.6	428.9	388.8	339.5	278.0	217.4	179.8	163.9
82.5°	212.0	301.4	387.5	472.8	467.0	431.4	377.1	309.8	240.0	184.4	147.2
85°	65.2	115.8	163.0	226.6	263.0	257.9	226.6	220.3	157.2	122.5	94.5
87.5°	2.9	2.9	2.9	2.5	2.9	2.9	2.9	3.3	3.3	3.8	3.8
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	48.9	48.5	48.1	47.7	47.7	47.7	47.2	47.2	46.8	46.8	46.4
5°	53.9	53.1	52.7	51.8	51.8	51.0	50.6	50.2	49.3	48.9	48.5
7.5°	60.6	59.8	58.5	57.3	56.9	55.6	54.3	53.5	52.7	51.8	51.0
10°	69.4	67.7	65.2	63.5	62.3	60.6	58.9	57.7	56.0	54.3	53.5
12.5°	80.7	77.3	74.8	71.9	69.4	66.9	64.0	62.3	60.6	58.1	56.4
15°	93.6	90.3	87.4	82.4	78.2	74.8	72.3	68.6	65.6	62.3	59.8
17.5°	115.8	107.0	101.2	96.2	92.0	85.7	80.7	76.5	72.7	68.6	65.6
20°	137.5	130.0	122.1	116.2	107.0	101.6	94.9	89.0	82.4	77.3	72.3
22.5°	169.3	159.7	149.7	140.9	128.3	120.8	112.0	104.5	96.2	87.8	82.4
25°	209.5	195.2	181.9	169.3	157.6	146.3	135.0	122.9	114.1	104.1	94.9
27.5°	251.7	235.8	222.8	206.5	191.5	177.7	163.5	150.5	135.5	122.5	111.6
30°	304.8	283.0	268.0	248.3	233.3	214.0	196.5	179.3	161.0	145.9	130.4
32.5°	358.7	344.1	318.6	301.8	279.3	256.3	237.9	218.2	195.7	176.0	157.2
35°	429.8	404.7	383.4	360.0	335.3	311.5	287.6	259.6	236.6	212.4	189.4
37.5°	492.5	467.0	442.3	411.8	383.8	358.7	329.9	300.6	273.4	244.6	217.0
40°	565.2	533.4	504.2	475.8	441.1	411.4	381.3	344.9	313.5	281.8	249.2
42.5°	644.7	612.5	577.8	545.2	507.1	470.7	433.5	397.2	362.0	323.6	285.5
45°	731.6	697.7	658.9	621.7	580.3	540.1	495.8	454.0	412.6	369.6	325.7
47.5°	839.5	796.0	760.0	713.6	662.2	620.0	565.6	518.0	470.7	420.6	371.2
50°	979.1	929.8	877.9	826.5	769.7	716.1	655.9	599.5	536.4	480.4	423.9
52.5°	1164.3	1127.5	1067.3	1008.4	939.0	870.8	788.1	714.9	633.8	562.3	493.3
55°	1427.3	1403.0	1350.8	1286.4	1225.8	1126.3	1030.9	917.2	811.9	709.0	612.0
57.5°	1903.4	1877.1	1819.0	1803.5	1710.3	1637.1	1525.5	1378.4	1199.8	1042.7	885.9
60°	2589.1	2537.6	2480.8	2470.3	2360.8	2283.9	2173.1	2016.3	1848.3	1597.4	1383.8
62.5°	2972.0	2956.5	2910.6	2854.1	2759.2	2645.1	2520.5	2368.8	2198.2	1978.3	1724.1
64°	3023.4	3009.2	2969.5	2906.0	2810.6	2697.3	2559.4	2408.0	2237.1	2036.4	1804.4
65°	2991.2	2971.2	2937.3	2878.8	2790.2	2681.5	2542.7	2389.2	2215.7	2022.6	1806.9
67.5°	2731.6	2722.4	2691.5	2637.1	2581.5	2483.7	2361.6	2224.5	2082.8	1891.3	1714.5
70°	2319.4	2312.7	2273.4	2251.7	2159.7	2097.8	1999.2	1891.3	1765.9	1632.5	1482.0
72.5°	1719.5	1696.9	1665.1	1632.1	1569.8	1485.0	1408.0	1293.1	1228.3	1115.8	1030.9
75°	911.8	897.6	848.3	779.3	702.3	662.6	582.8	511.3	454.4	428.9	367.5
77.5°	315.2	287.2	259.6	228.7	181.4	143.0	114.1	91.1	71.9	63.5	53.1
80°	157.2	149.2	140.5	122.9	103.3	83.2	65.2	51.4	42.2	36.0	32.2
82.5°	127.5	112.9	100.8	88.2	70.7	58.1	46.0	37.6	30.9	27.2	23.8
85°	75.3	57.7	43.9	39.7	30.9	26.8	23.0	19.6	16.7	15.9	14.6
87.5°	2.9	3.8	3.8	2.9	3.8	3.3	3.3	2.9	2.9	2.9	2.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	46.4	46.0	46.0	45.6	45.2	45.2	45.2	44.7	43.9	42.2	41.0
5°	48.1	47.7	47.2	46.4	46.0	45.6	45.2	45.2	43.1	40.1	38.0
7.5°	50.2	49.3	48.5	47.7	47.2	46.4	45.6	45.2	42.2	38.5	36.4
10°	52.3	51.0	49.7	49.3	48.1	47.2	46.0	45.2	41.8	37.2	34.3
12.5°	54.8	53.1	51.4	50.2	48.5	47.7	46.4	45.2	41.0	36.0	32.6
15°	57.7	55.2	53.1	51.8	50.2	48.1	46.4	45.2	40.1	34.7	30.9
17.5°	61.5	58.5	56.0	53.5	51.0	48.9	47.2	45.6	38.9	33.0	28.8
20°	67.3	63.5	59.4	56.4	53.1	50.6	47.7	45.6	38.0	31.4	27.2
22.5°	75.3	69.4	64.8	59.8	55.6	52.3	48.9	46.4	36.8	29.7	25.1
25°	86.5	79.0	71.5	65.2	59.8	55.2	51.0	47.7	36.0	28.4	23.8
27.5°	99.1	90.3	80.3	72.7	65.2	58.5	53.9	49.7	36.0	27.6	22.6
30°	116.6	104.1	92.0	82.4	72.3	64.8	58.1	52.7	36.0	27.2	21.3
32.5°	138.0	123.7	108.3	94.5	82.8	71.9	63.5	56.4	36.8	26.3	20.5
35°	167.6	146.7	128.3	111.2	95.7	83.2	72.3	62.7	38.0	25.9	19.2
37.5°	191.1	166.0	142.6	122.9	104.9	89.5	75.7	65.2	36.8	24.2	18.0
40°	219.1	190.6	162.2	137.5	117.1	97.0	81.1	68.6	36.0	22.2	16.3
42.5°	252.9	217.4	184.4	156.4	130.9	107.0	88.2	72.7	36.0	20.9	15.1
45°	284.7	245.8	209.0	173.9	144.2	117.9	94.9	77.3	35.5	19.6	13.4
47.5°	324.0	278.0	235.0	194.4	160.1	127.9	102.0	81.5	35.1	18.4	12.1
50°	370.4	314.4	265.9	217.4	175.6	140.1	110.4	86.1	34.3	17.1	10.9
52.5°	421.8	361.6	299.8	243.7	194.8	153.0	118.3	90.3	33.0	15.9	9.6
55°	513.0	430.2	357.0	287.6	224.1	172.2	130.0	96.6	31.8	14.6	8.4
57.5°	731.6	594.5	490.8	386.3	295.2	221.2	161.8	114.5	30.1	13.0	6.7
60°	1148.8	922.7	746.7	585.7	446.5	339.5	238.3	169.3	32.2	10.9	5.9
62.5°	1473.7	1213.6	989.6	787.6	611.6	464.9	347.0	252.9	46.4	9.6	4.6
64°	1558.5	1295.2	1056.0	844.5	661.4	510.0	387.1	286.0	59.8	9.6	4.2
65°	1571.1	1320.2	1079.9	865.4	678.5	522.2	398.8	296.8	65.2	10.0	3.8
67.5°	1519.2	1305.6	1087.0	874.2	691.5	538.9	414.7	314.0	73.6	9.6	2.9
70°	1326.9	1169.7	990.0	817.7	652.2	512.1	398.8	304.4	76.9	9.2	2.5
72.5°	903.0	794.7	688.6	566.5	454.0	374.2	291.0	214.5	53.9	7.5	2.1
75°	301.0	293.5	262.5	199.0	167.2	135.9	108.7	83.6	20.5	4.6	2.1
77.5°	50.2	43.1	37.6	36.0	30.1	29.3	25.5	20.5	8.8	2.9	2.1
80°	29.3	26.8	23.4	20.9	18.4	16.3	13.8	11.7	5.4	2.1	2.5
82.5°	21.7	19.2	17.1	15.1	13.0	11.3	9.6	7.9	2.9	2.1	2.5
85°	12.5	10.9	9.6	8.4	6.7	5.9	5.0	4.2	2.1	2.1	2.1
87.5°	2.5	2.5	2.1	2.1	2.1	2.1	2.1	1.7	2.1	2.1	1.7
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°	44.7	44.7	44.7	44.7	44.7	44.7	44.7
2.5°	40.1	38.9	38.5	38.5	38.5	38.5	38.5
5°	36.8	35.5	34.7	34.3	34.3	34.3	34.3
7.5°	34.3	32.6	31.8	30.9	30.9	30.5	30.5
10°	31.8	30.1	28.8	28.0	27.6	27.6	27.6
12.5°	29.7	28.0	26.3	25.5	25.5	25.1	25.1
15°	28.0	25.5	24.2	23.4	23.4	23.0	23.0
17.5°	25.9	23.8	22.6	21.7	21.3	21.3	21.3
20°	23.8	21.7	20.5	20.1	19.6	19.6	19.2
22.5°	22.2	20.1	18.8	18.4	18.0	18.0	17.6
25°	20.5	18.4	17.1	16.7	16.3	15.9	15.9
27.5°	19.2	17.1	15.9	15.1	14.6	14.2	14.2
30°	18.0	15.5	14.2	13.4	13.0	12.5	12.5
32.5°	16.7	14.2	12.5	11.7	11.3	10.9	10.9
35°	15.1	12.5	10.9	10.5	10.0	9.6	9.2
37.5°	13.8	10.9	9.6	8.8	8.4	7.9	7.9
40°	12.1	9.6	8.4	7.5	6.7	6.3	6.3
42.5°	10.9	8.4	7.1	5.9	5.4	5.0	5.0
45°	9.6	7.5	5.9	4.6	4.2	3.8	3.8
47.5°	8.4	6.3	4.6	3.8	3.3	2.9	2.9
50°	7.1	5.0	3.3	2.5	2.9	2.5	2.5
52.5°	6.3	3.8	2.5	2.5	2.5	2.5	2.5
55°	5.0	2.9	2.1	2.1	2.5	2.5	2.5
57.5°	4.2	2.1	1.7	2.1	2.1	2.1	2.1
60°	2.9	1.7	1.7	2.1	2.1	2.1	2.1
62.5°	2.5	1.7	1.7	1.7	2.1	2.1	2.1
64°	2.1	1.7	1.7	1.7	2.1	2.1	2.1
65°	2.1	1.7	1.7	1.7	2.1	2.1	2.1
67.5°	2.1	1.7	1.7	1.7	2.1	2.1	2.1
70°	1.7	1.7	1.7	1.7	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	2.1	2.1	2.1
75°	1.7	1.7	1.7	1.7	2.1	2.1	2.1
77.5°	1.7	1.7	1.7	2.1	2.1	2.1	2.1
80°	1.7	1.7	1.7	2.1	2.1	2.1	2.1
82.5°	1.7	1.7	1.7	2.1	2.1	2.1	2.1
85°	1.7	1.7	1.7	2.1	2.1	2.1	2.1
87.5°	1.7	1.7	1.7	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)