

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: P181378

Luminaire Tested: **ICS-E01-LED-E1-T3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181378
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: ICS-E01-LED-E1-T3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1340.2 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - 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



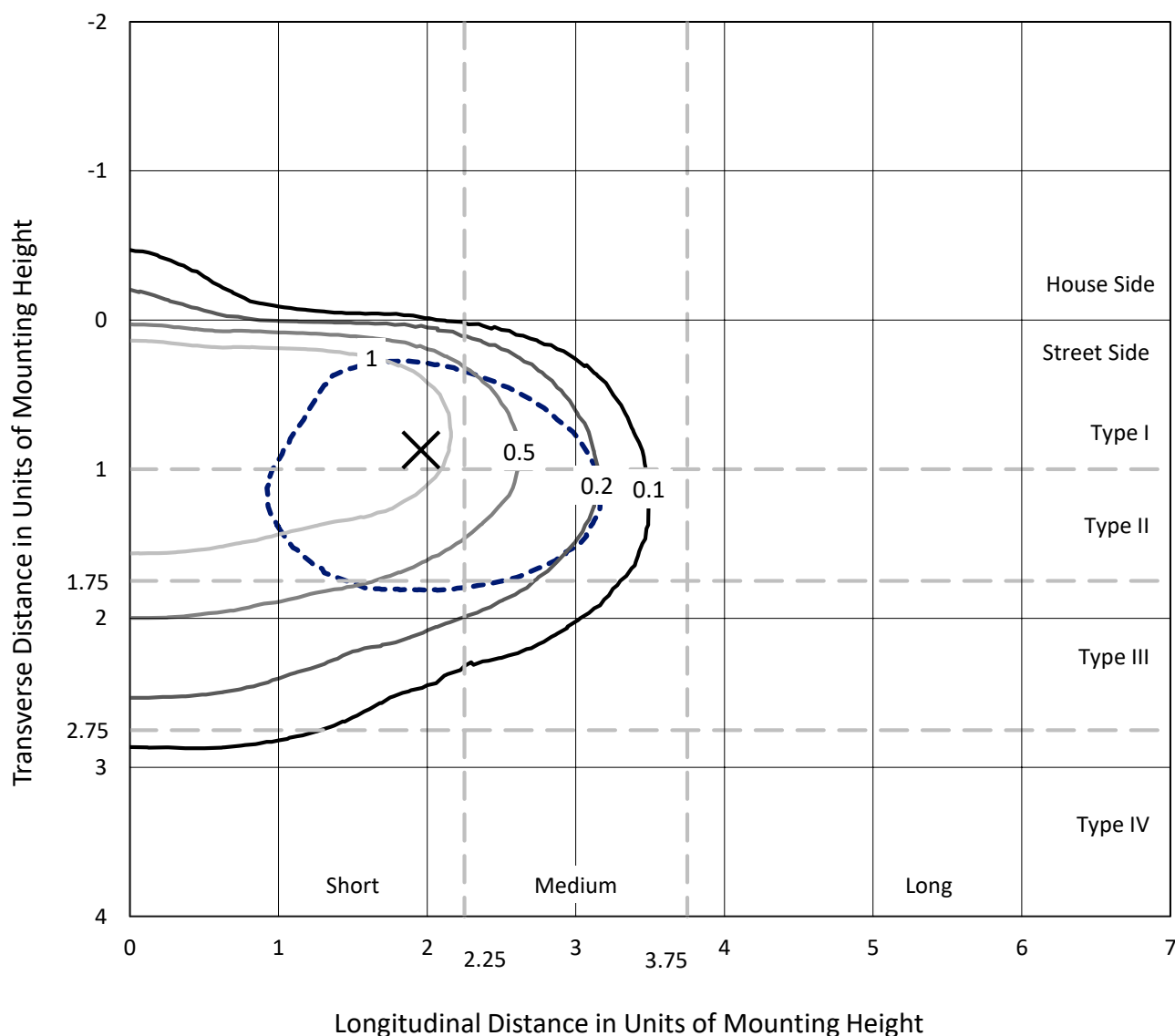
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

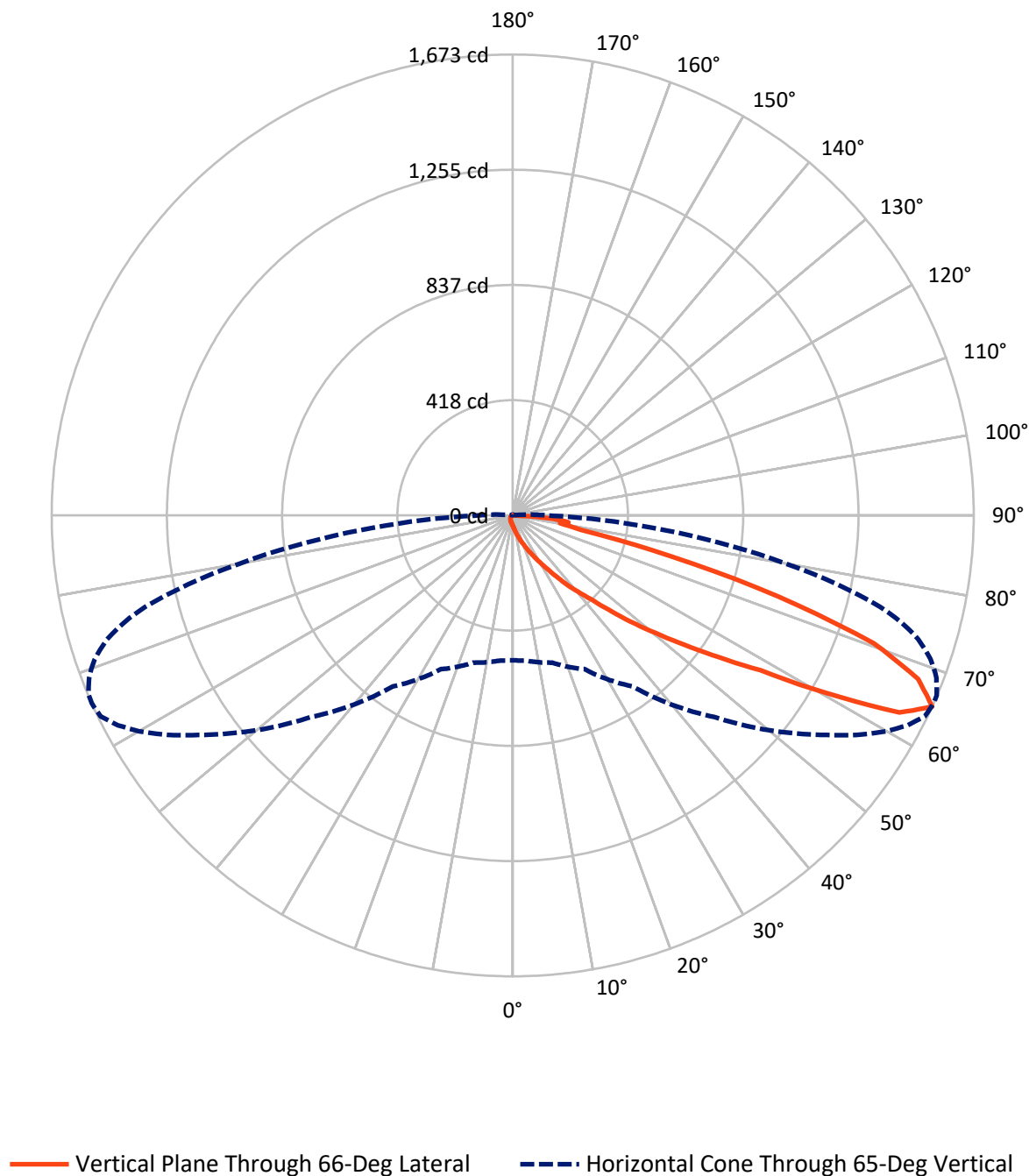


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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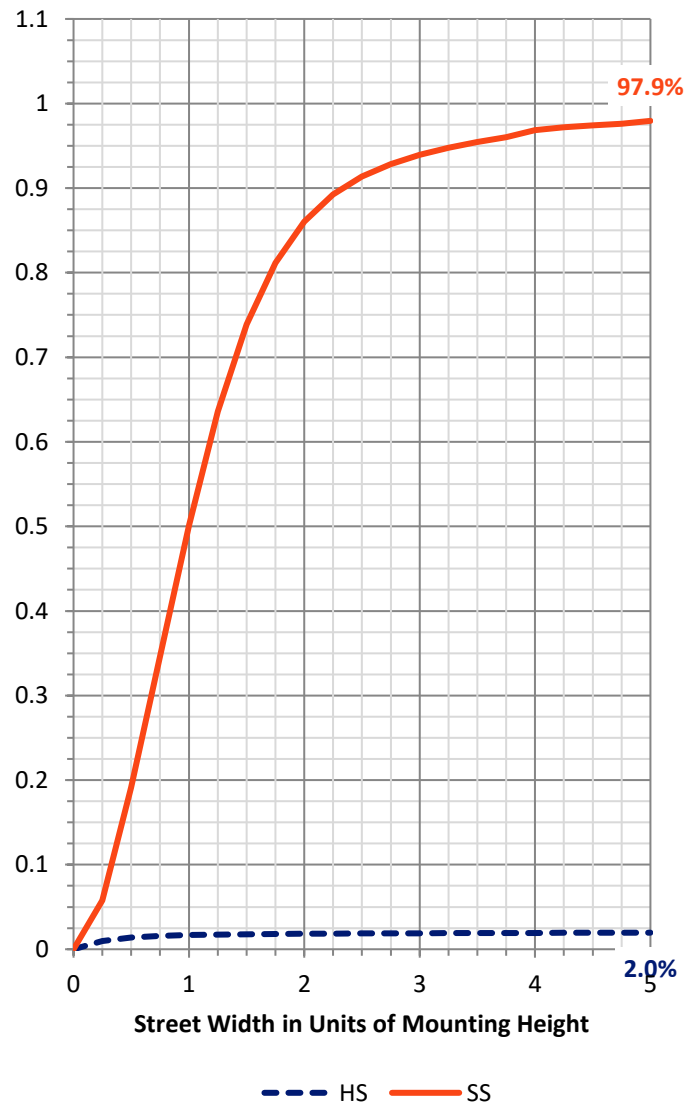
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.9	0.0	26.9
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1313.3	0.0	1313.3
	% Fixture	98.0	0.0	98.0
Total	Lumens	1340.2	0.0	1340.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.3
10°-20°	21.8	1.6
20°-30°	49.8	3.7
30°-40°	94.7	7.1
40°-50°	190.1	14.2
50°-60°	336.4	25.1
60°-70°	439.5	32.8
70°-80°	180.7	13.5
80°-90°	22.8	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°	1340.2	100.0
0°-180°	1340.2	100.0

Coefficient of Utilization



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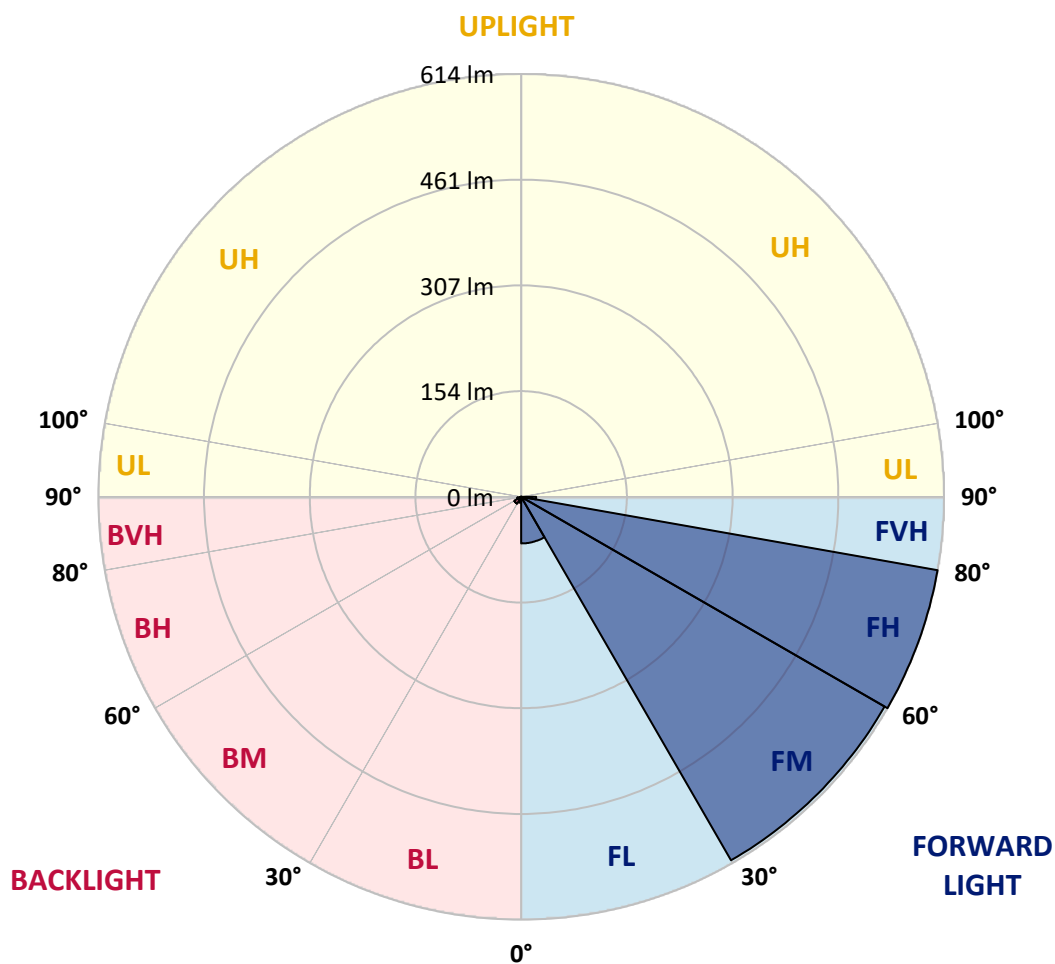
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.7	5.1			
FM	(30°-60°)	609.6	45.5			
FH	(60°-80°)	614.2	45.8			G0/660
FVH	(80°-90°)	21.7	1.6			G1/100
BL	(0°-30°)	8.4	0.6	B0/110		
BM	(30°-60°)	11.5	0.9	B0/220		
BH	(60°-80°)	6.0	0.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	49.3	48.5	48.8	47.1	46.0	44.7	43.6	43.3	43.0	42.5	42.7
5°	71.0	70.1	68.2	64.9	61.9	57.3	52.6	52.3	51.5	50.7	50.1
7.5°	98.6	97.3	95.1	89.6	82.2	74.0	64.7	63.8	62.8	61.7	60.6
10°	130.7	129.9	125.8	119.5	108.2	94.8	79.2	78.4	75.9	74.5	73.4
12.5°	164.4	160.8	159.2	148.2	135.4	117.0	97.0	94.0	92.1	90.2	87.4
15°	189.9	190.4	186.6	177.8	162.8	141.4	116.5	113.2	110.4	106.9	103.6
17.5°	212.9	211.8	207.7	202.2	188.0	166.3	137.3	132.9	128.5	126.6	121.9
20°	231.5	231.0	227.7	222.5	211.5	190.7	159.2	155.6	150.7	147.4	142.2
22.5°	246.3	246.3	244.4	241.4	230.7	214.0	182.5	178.7	173.7	169.6	163.9
25°	258.1	257.9	258.1	256.8	249.6	234.3	206.3	202.0	197.8	192.9	187.4
27.5°	271.6	272.1	271.6	270.7	267.7	255.4	230.5	227.4	222.8	217.6	212.1
30°	292.4	290.7	290.5	289.9	286.4	278.7	255.4	251.8	248.3	244.7	240.9
32.5°	314.3	311.6	310.7	310.7	308.3	301.4	284.2	282.2	277.0	274.3	271.0
35°	339.2	338.1	337.0	337.3	336.2	329.1	314.8	315.4	313.8	308.3	305.0
37.5°	375.7	376.0	374.0	370.5	370.5	364.2	356.0	354.9	350.7	349.4	347.5
40°	427.7	426.4	424.7	419.5	417.6	406.9	399.2	396.5	393.2	392.9	390.8
42.5°	488.0	486.4	486.4	482.5	478.7	465.8	451.3	449.4	445.8	446.9	446.1
45°	543.9	545.3	547.2	550.0	550.5	545.0	523.9	521.5	519.5	518.4	517.6
47.5°	592.2	594.6	600.9	612.7	627.8	629.7	613.0	606.4	605.0	603.1	601.5
50°	626.7	630.2	644.5	667.5	696.8	714.9	705.9	700.4	700.1	694.9	694.4
52.5°	646.4	650.2	673.5	708.3	753.8	789.2	800.4	800.1	799.6	794.9	793.0
55°	650.8	654.9	682.9	730.3	795.2	856.3	899.3	900.4	902.9	901.5	901.5
57.5°	638.7	643.9	674.4	733.0	816.9	909.5	1003.5	1009.8	1012.8	1023.5	1035.8
60°	616.5	620.4	650.8	716.3	820.7	958.0	1138.8	1158.8	1174.4	1195.5	1215.6
62.5°	575.4	583.1	612.2	683.4	809.2	1013.9	1300.5	1337.5	1367.9	1400.0	1438.6
65°	525.6	528.9	553.5	615.7	757.7	1035.2	1389.8	1426.0	1464.9	1499.2	1533.7
67.5°	463.1	465.8	487.2	513.8	625.3	935.2	1301.9	1341.9	1377.0	1405.2	1450.4
70°	303.3	309.4	361.7	388.0	437.1	691.4	1064.6	1103.2	1130.1	1149.2	1201.6
72.5°	222.2	226.1	247.2	301.4	313.5	408.6	749.2	791.1	801.0	837.1	861.5
75°	135.6	145.2	192.9	258.1	305.5	279.8	448.8	469.1	491.9	518.2	541.5
77.5°	27.4	31.2	63.0	177.8	268.8	299.0	268.0	271.8	283.1	285.5	294.3
80°	4.4	4.7	8.2	76.7	155.6	241.7	268.0	264.4	258.1	253.7	249.4
82.5°	1.9	2.2	3.6	19.5	33.2	80.6	231.8	249.9	270.7	282.2	285.3
85°	0.8	0.8	1.4	3.8	4.9	5.5	39.2	51.8	92.3	122.8	141.4
87.5°	0.5	0.5	0.8	0.8	1.1	1.4	1.9	1.9	2.2	2.5	3.6
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°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	42.7	42.5	42.5	41.7	41.7	41.4	41.4	41.1	41.1	40.6	40.8
5°	49.9	49.3	48.8	48.0	47.7	47.1	46.6	45.8	45.5	44.9	44.7
7.5°	59.5	58.9	57.8	56.2	55.1	54.0	52.9	51.8	51.0	50.1	49.6
10°	71.2	69.6	69.1	65.8	64.4	62.2	60.8	59.7	58.1	56.7	55.9
12.5°	85.5	84.1	81.4	77.0	74.8	72.9	70.4	68.2	66.6	64.1	62.5
15°	100.3	99.2	95.4	90.4	87.7	84.1	81.7	79.5	75.9	74.3	71.2
17.5°	118.9	115.6	111.8	104.7	101.1	98.1	93.7	90.4	88.2	83.3	80.6
20°	138.1	134.5	129.6	121.7	116.7	112.1	108.5	104.1	99.5	96.2	91.5
22.5°	160.0	154.3	150.4	140.6	134.8	129.9	123.9	119.2	114.5	109.3	104.1
25°	183.3	177.6	172.9	161.7	155.6	150.7	143.6	137.0	131.3	125.5	119.5
27.5°	207.7	202.5	197.3	185.8	180.6	173.7	167.2	159.5	152.1	146.9	138.7
30°	235.9	231.5	225.8	213.5	207.7	200.6	193.7	184.7	177.6	170.4	162.5
32.5°	266.3	262.8	256.8	245.8	238.9	232.9	225.5	216.7	206.6	199.2	189.9
35°	303.3	297.3	293.7	283.3	278.1	271.6	263.9	256.2	245.5	235.1	227.2
37.5°	345.5	342.8	338.1	328.3	324.4	317.6	312.7	305.0	296.8	283.6	275.1
40°	388.8	386.9	382.8	372.9	369.1	364.4	358.7	351.3	341.4	334.6	322.0
42.5°	443.9	440.9	437.6	428.3	420.9	415.1	412.7	406.4	396.0	387.2	377.3
45°	513.8	512.4	508.0	498.7	491.3	487.5	483.6	473.0	466.1	457.3	450.5
47.5°	598.2	593.8	591.6	581.2	578.7	575.7	565.9	559.8	550.0	543.1	534.6
50°	689.4	684.8	685.1	672.4	673.0	670.8	663.4	656.3	647.8	641.8	636.5
52.5°	787.5	789.7	784.2	788.1	783.7	778.8	777.4	768.6	761.2	761.0	753.8
55°	908.1	904.5	905.9	909.7	903.7	909.2	906.5	895.2	895.5	897.7	889.5
57.5°	1037.7	1042.9	1054.2	1056.6	1067.0	1059.9	1078.5	1065.1	1073.3	1073.3	1067.9
60°	1227.9	1248.7	1275.8	1296.9	1316.4	1310.1	1334.5	1319.1	1330.1	1320.8	1316.1
62.5°	1457.0	1484.6	1516.7	1551.0	1570.7	1575.6	1572.1	1578.9	1568.2	1561.4	1543.6
65°	1567.1	1594.5	1622.5	1663.6	1669.1	1673.2	1671.5	1660.0	1646.9	1627.4	1604.1
67.5°	1475.6	1514.0	1529.6	1577.0	1592.9	1587.1	1589.0	1574.2	1553.7	1534.5	1500.3
70°	1223.5	1267.3	1275.6	1343.5	1362.4	1389.8	1380.0	1375.6	1353.1	1336.9	1299.1
72.5°	890.8	925.1	922.4	998.8	995.5	1006.7	1033.3	1032.2	1008.7	1003.5	971.7
75°	548.3	568.9	567.8	622.0	599.3	596.0	603.4	600.1	577.9	554.9	535.2
77.5°	290.5	299.8	289.9	273.7	272.1	253.7	248.5	248.3	231.3	210.4	195.1
80°	244.7	235.1	223.6	200.0	186.3	174.0	162.5	151.8	140.3	125.0	106.3
82.5°	285.8	281.1	272.9	243.3	229.1	204.4	186.1	168.8	147.7	131.8	108.0
85°	139.2	138.9	145.5	142.5	137.3	136.2	118.1	114.3	105.8	97.0	81.1
87.5°	3.8	2.7	3.3	2.7	3.3	3.6	2.5	5.8	3.6	3.3	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°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	40.6	40.3	40.0	40.0	39.7	39.7	39.5	39.2	39.2	38.9	38.9
5°	44.1	43.6	43.3	43.0	42.5	42.2	41.7	41.4	40.8	40.6	40.0
7.5°	48.5	48.0	46.9	46.3	45.5	45.2	43.8	43.3	42.7	42.2	41.4
10°	54.0	52.6	51.5	50.4	49.0	48.0	46.9	46.0	44.9	43.6	43.0
12.5°	60.8	58.9	57.3	55.4	53.7	52.1	50.1	48.8	47.1	45.8	44.4
15°	68.5	65.8	63.6	60.8	58.1	56.2	54.3	52.3	50.1	48.2	46.6
17.5°	77.3	73.7	70.7	67.4	64.4	61.7	58.4	55.9	53.4	50.7	48.5
20°	86.6	83.0	78.9	75.4	71.0	68.0	63.8	60.6	57.0	54.3	51.2
22.5°	98.9	94.3	89.1	84.1	79.5	74.8	70.4	66.3	61.9	57.8	54.8
25°	113.4	107.7	101.1	96.2	89.6	84.4	78.9	73.7	69.1	63.8	58.9
27.5°	131.5	123.9	116.7	109.9	102.8	96.2	89.1	83.0	76.7	70.7	65.2
30°	152.6	145.2	134.5	126.9	119.7	110.7	103.6	95.6	88.5	79.7	73.7
32.5°	180.6	171.0	159.8	149.6	140.3	130.2	120.3	110.2	100.8	92.9	83.9
35°	217.0	205.8	192.4	179.5	169.1	156.7	144.1	132.6	121.9	110.4	99.2
37.5°	263.1	252.6	238.1	222.5	208.5	193.7	180.6	164.4	150.2	136.2	121.9
40°	308.8	299.2	284.2	267.4	249.4	232.4	215.7	197.3	179.2	161.7	146.9
42.5°	365.3	351.0	334.9	315.9	298.4	278.1	257.3	236.2	214.6	193.5	172.4
45°	436.2	425.3	402.5	382.3	361.4	337.6	311.8	287.7	260.0	235.1	207.2
47.5°	522.6	502.8	486.1	467.5	441.4	418.4	385.5	357.0	322.5	289.4	255.9
50°	624.5	613.5	591.3	568.0	539.8	512.4	480.4	439.3	397.9	362.5	316.8
52.5°	743.7	728.1	714.1	690.0	661.2	626.1	589.7	545.0	494.3	444.5	395.7
55°	885.1	874.1	860.7	841.5	804.8	765.1	721.2	667.8	607.8	540.6	483.9
57.5°	1067.6	1056.1	1043.2	1003.7	978.8	930.0	866.5	811.1	746.4	660.4	590.0
60°	1316.7	1301.0	1283.0	1250.9	1198.8	1135.5	1067.3	985.4	906.2	812.2	719.9
62.5°	1529.6	1504.6	1466.0	1424.6	1362.2	1289.5	1203.8	1107.3	1017.2	911.4	808.6
65°	1573.4	1539.2	1493.7	1439.7	1375.3	1293.4	1203.8	1111.4	1005.4	905.9	802.6
67.5°	1459.4	1419.7	1373.1	1312.8	1251.4	1167.1	1089.8	995.8	896.0	810.0	717.7
70°	1272.0	1213.1	1165.4	1101.3	1039.1	972.8	891.4	821.0	739.9	660.7	590.0
72.5°	955.2	897.1	853.8	802.6	765.6	695.5	635.7	583.1	535.2	476.0	423.6
75°	514.9	471.3	442.3	419.0	385.8	339.5	311.0	274.8	254.6	229.9	206.1
77.5°	168.0	148.0	126.3	105.2	90.4	68.0	65.8	52.3	49.3	48.0	37.0
80°	86.0	66.3	48.0	34.5	26.3	23.3	22.2	21.1	20.0	19.2	17.8
82.5°	86.3	62.5	43.0	29.9	21.6	18.1	17.0	16.4	15.6	14.8	13.7
85°	63.0	46.6	32.1	21.9	15.1	12.1	11.5	10.7	10.1	9.9	8.8
87.5°	4.1	3.0	2.7	2.5	2.5	2.5	2.7	2.5	2.7	2.7	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	38.6	38.4	38.4	38.1	37.8	37.8	37.5	37.5	36.7	35.3	34.3
5°	39.7	39.2	38.9	38.6	38.4	37.8	37.5	37.3	35.9	33.2	31.0
7.5°	40.6	40.0	39.7	39.2	38.4	38.1	37.5	37.0	34.8	31.0	28.5
10°	41.9	41.1	40.3	39.5	38.6	38.1	37.3	36.7	33.4	29.0	26.6
12.5°	43.3	42.2	41.1	39.7	38.9	38.1	37.3	36.2	32.3	27.4	24.7
15°	44.9	43.3	41.9	40.6	39.2	38.1	36.7	35.9	31.2	26.0	23.6
17.5°	46.6	44.7	42.7	40.8	39.5	37.8	36.7	35.3	30.1	24.9	22.2
20°	48.5	45.8	43.8	41.7	39.7	37.8	36.2	34.8	29.0	23.6	20.8
22.5°	51.2	48.0	44.9	42.5	40.0	38.1	36.2	34.3	28.0	22.5	19.7
25°	54.8	50.7	47.1	44.1	41.1	38.6	36.4	34.5	27.1	21.6	18.4
27.5°	60.0	54.8	51.0	46.9	43.0	40.0	37.3	35.1	26.6	20.8	17.5
30°	66.3	61.1	55.1	50.1	46.0	41.9	38.9	35.6	26.0	20.0	16.4
32.5°	75.6	68.2	61.1	55.1	49.3	44.7	40.3	37.0	25.8	18.6	15.3
35°	89.1	78.9	70.4	62.5	54.5	48.8	43.6	39.2	25.5	17.5	14.2
37.5°	108.2	96.2	85.2	74.0	64.1	55.9	48.8	43.0	25.5	16.7	13.2
40°	128.8	113.2	99.2	85.2	72.6	62.2	52.6	45.5	24.9	15.6	12.1
42.5°	152.1	132.9	113.7	96.5	80.8	67.4	56.2	47.4	23.6	14.5	11.0
45°	183.3	158.1	135.1	112.9	92.6	75.1	60.8	49.6	22.2	13.7	9.9
47.5°	222.5	193.2	163.3	135.4	108.8	86.6	67.7	53.2	21.4	12.6	9.0
50°	280.9	239.2	199.8	164.1	130.4	101.4	77.8	58.4	20.6	11.8	8.2
52.5°	345.0	293.7	247.4	201.7	159.8	121.4	89.6	65.2	19.7	11.0	7.4
55°	423.1	360.1	303.6	244.2	190.4	144.7	104.1	72.9	18.6	10.1	6.9
57.5°	519.5	439.8	372.9	300.3	232.9	174.8	123.6	85.8	17.5	9.0	6.0
60°	627.2	537.1	453.0	367.7	286.1	214.8	152.4	104.1	16.4	7.9	5.2
62.5°	704.8	605.9	509.7	414.0	324.4	244.7	175.6	118.4	14.8	6.9	4.7
65°	704.0	603.7	506.9	412.7	325.5	245.8	176.5	121.1	13.2	6.0	4.1
67.5°	627.2	542.8	456.5	371.8	295.7	223.6	163.3	112.3	11.2	5.5	3.6
70°	516.0	448.8	380.6	313.5	252.4	191.5	141.1	97.8	9.6	4.9	3.0
72.5°	376.8	327.7	286.1	238.7	197.0	151.3	112.6	76.7	7.7	4.1	2.7
75°	187.2	167.4	143.6	128.8	109.9	89.9	69.9	44.7	6.3	3.3	2.5
77.5°	35.6	31.8	30.4	26.3	24.1	21.4	18.9	13.4	4.9	2.5	2.2
80°	16.4	15.1	13.7	12.3	11.0	9.3	8.2	7.1	3.8	1.9	2.5
82.5°	12.9	11.8	10.4	9.3	8.2	7.1	6.0	5.2	2.5	1.6	2.5
85°	8.5	7.4	6.6	5.8	4.9	4.4	3.8	3.3	1.6	1.6	1.6
87.5°	2.5	2.5	2.2	2.2	1.9	1.9	1.6	1.6	1.4	1.4	1.4
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):

	125°	135°	145°	155°	165°	175°	180°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	33.2	31.8	31.2	31.0	31.0	31.2	31.0
5°	29.3	28.0	27.4	26.9	26.9	26.9	27.1
7.5°	26.9	25.5	24.7	24.4	24.1	24.4	24.4
10°	24.7	23.6	22.5	21.9	21.9	21.9	21.9
12.5°	23.0	21.6	20.6	20.3	20.0	20.0	20.0
15°	21.6	20.0	19.2	18.6	18.4	18.4	18.6
17.5°	20.0	18.6	17.5	17.3	17.3	17.3	17.3
20°	18.9	17.3	16.4	15.9	15.9	15.9	15.9
22.5°	17.5	16.2	15.1	14.5	14.5	14.5	14.5
25°	16.4	15.1	14.0	13.4	13.4	13.4	13.4
27.5°	15.3	14.0	12.9	12.3	12.3	12.3	12.3
30°	14.2	12.9	11.8	11.2	11.2	11.2	11.2
32.5°	13.4	11.8	10.7	10.1	10.1	10.4	10.1
35°	12.1	10.7	9.6	9.0	9.0	9.0	9.0
37.5°	11.0	9.6	8.5	7.9	7.9	7.9	7.7
40°	10.1	8.5	7.4	6.9	6.6	6.6	6.6
42.5°	8.8	7.1	6.3	5.8	5.5	5.5	5.5
45°	7.9	6.3	5.2	4.7	4.7	4.7	4.7
47.5°	7.1	5.5	4.4	3.8	3.8	4.1	4.1
50°	6.3	4.7	3.6	3.6	3.6	3.8	3.8
52.5°	5.5	4.1	3.3	3.3	3.6	3.8	3.8
55°	4.9	3.6	3.0	3.3	3.6	3.8	3.8
57.5°	4.4	3.0	3.0	3.3	3.6	3.8	3.8
60°	3.8	2.7	2.7	3.0	3.6	3.8	3.8
62.5°	3.3	2.7	2.7	3.0	3.6	3.8	3.8
65°	3.0	2.7	2.7	3.0	3.6	3.8	3.8
67.5°	2.7	2.5	2.7	3.0	3.3	3.6	3.6
70°	2.5	2.5	2.7	3.0	3.3	3.6	3.6
72.5°	2.5	2.5	2.5	2.7	3.0	3.3	3.3
75°	2.5	2.5	2.5	2.7	3.0	3.3	3.3
77.5°	2.5	2.2	2.2	2.5	3.0	3.3	3.3
80°	2.5	2.2	2.2	2.5	2.7	3.3	3.3
82.5°	1.9	1.9	2.2	2.5	2.7	3.0	3.0
85°	1.6	1.9	1.9	2.2	2.5	3.0	3.0
87.5°	1.4	1.4	1.6	1.9	2.2	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)