

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: P181319

Luminaire Tested: **ICM-E01-LED-E1-T3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181319
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-E01-LED-E1-T3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1516.6 lumens
Efficiency: N/A
Efficacy: 61.4 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

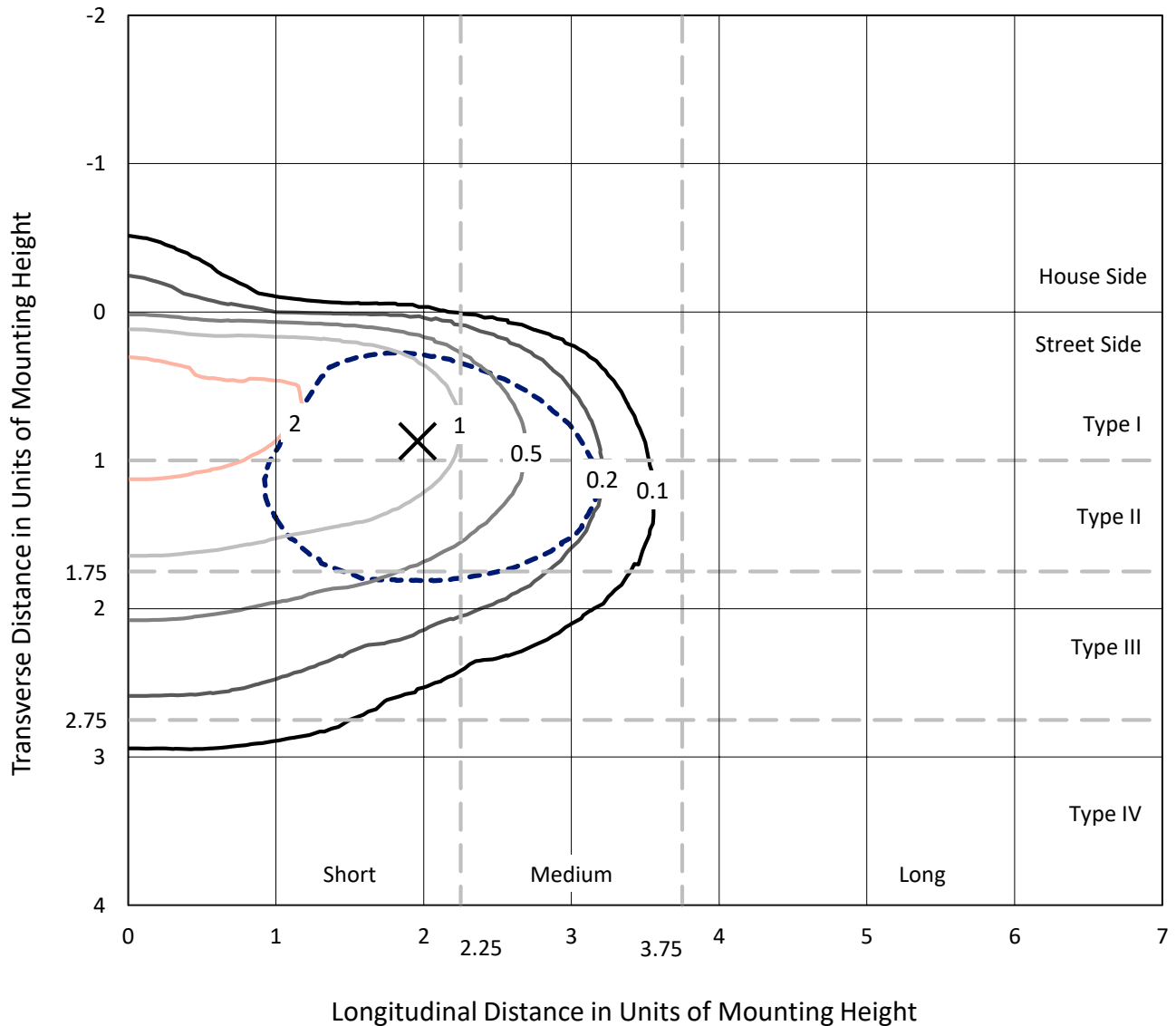


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

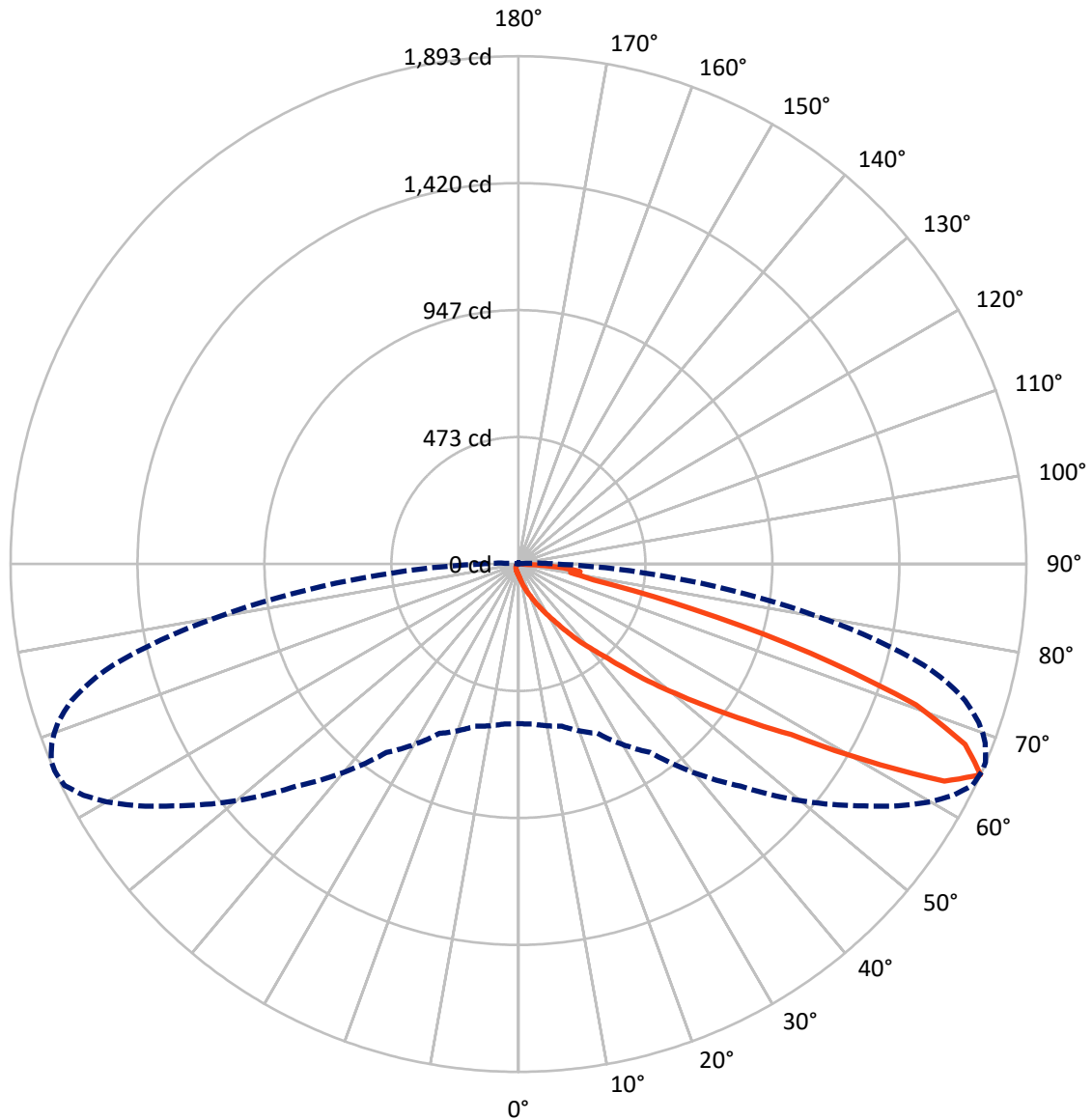


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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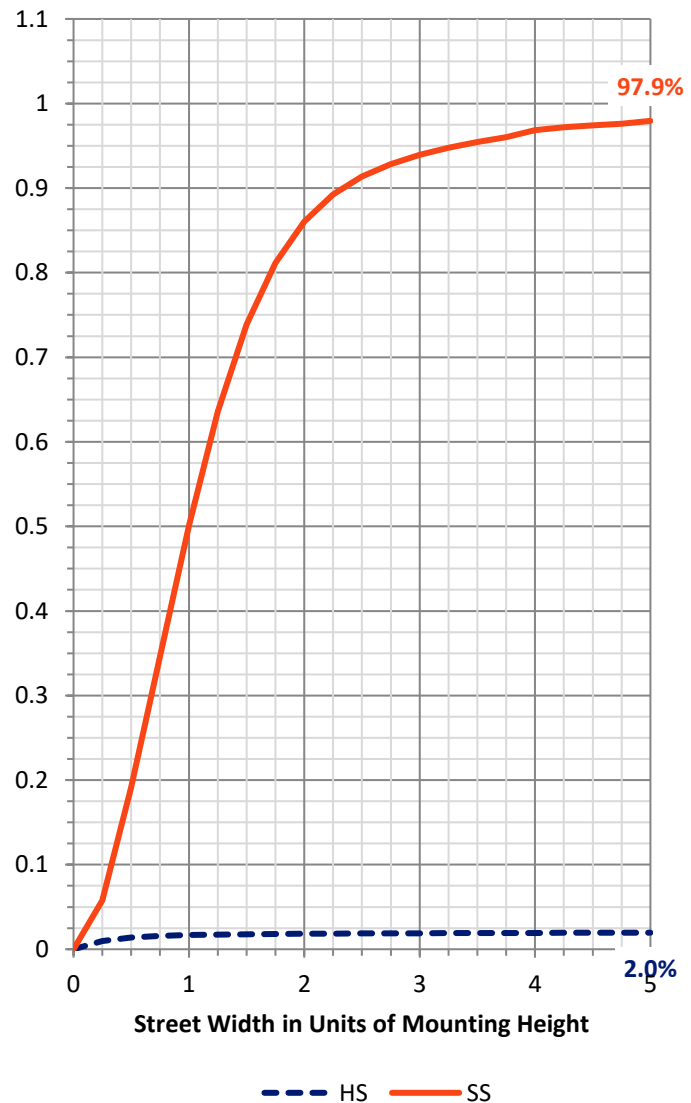
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.5	0.0	30.5
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1486.1	0.0	1486.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	1516.6	0.0	1516.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.3
10°-20°	24.7	1.6
20°-30°	56.3	3.7
30°-40°	107.2	7.1
40°-50°	215.1	14.2
50°-60°	380.6	25.1
60°-70°	497.3	32.8
70°-80°	204.5	13.5
80°-90°	25.8	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°	1516.6	100.0
0°-180°	1516.6	100.0



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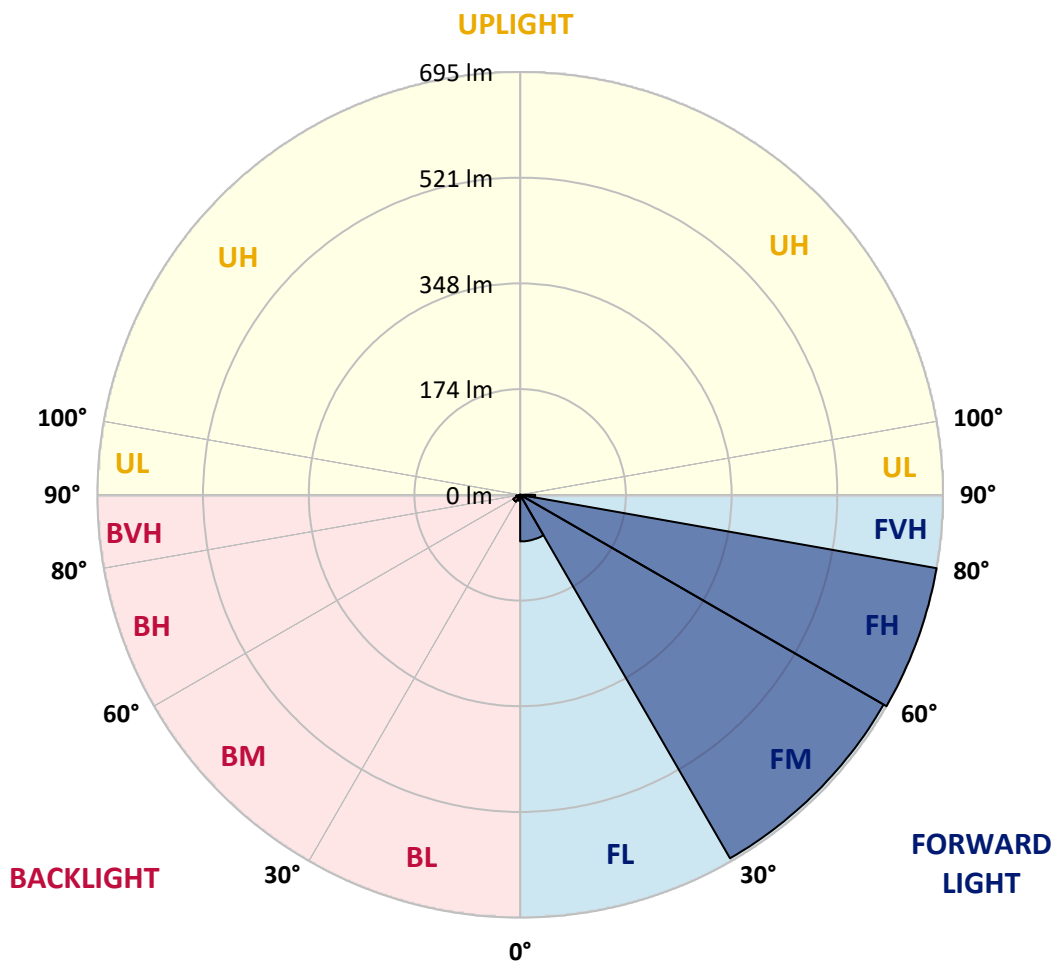
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.6	5.1			
FM	(30°-60°)	689.9	45.5			
FH	(60°-80°)	695.0	45.8			G1/1800
FVH	(80°-90°)	24.6	1.6			G1/100
BL	(0°-30°)	9.5	0.6	B0/110		
BM	(30°-60°)	13.0	0.9	B0/220		
BH	(60°-80°)	6.7	0.4	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	55.8	54.9	55.2	53.3	52.1	50.5	49.3	49.0	48.7	48.1	48.4
5°	80.3	79.3	77.2	73.5	70.0	64.8	59.5	59.3	58.3	57.4	56.7
7.5°	111.6	110.0	107.6	101.4	93.0	83.7	73.2	72.3	71.0	69.8	68.6
10°	147.9	147.0	142.3	135.2	122.5	107.3	89.6	88.7	85.9	84.4	83.1
12.5°	186.0	182.0	180.2	167.7	153.2	132.4	109.8	106.3	104.2	102.0	98.9
15°	214.9	215.5	211.2	201.2	184.2	160.0	131.8	128.1	124.9	120.9	117.2
17.5°	240.9	239.7	235.1	228.8	212.7	188.2	155.3	150.4	145.4	143.3	138.0
20°	262.0	261.4	257.7	251.8	239.4	215.8	180.2	176.1	170.5	166.8	160.9
22.5°	278.8	278.8	276.6	273.2	261.1	242.1	206.5	202.1	196.6	191.9	185.4
25°	292.1	291.8	292.1	290.5	282.5	265.1	233.5	228.6	223.9	218.3	212.1
27.5°	307.3	307.9	307.3	306.3	303.0	289.0	260.7	257.4	252.1	246.2	240.0
30°	330.9	329.0	328.7	328.1	324.0	315.4	289.0	284.9	280.9	276.9	272.6
32.5°	355.6	352.6	351.6	351.6	348.8	341.1	321.6	319.4	313.5	310.4	306.7
35°	383.9	382.6	381.4	381.7	380.5	372.4	356.3	356.9	355.1	348.8	345.1
37.5°	425.1	425.4	423.3	419.3	419.3	412.1	402.8	401.6	396.9	395.4	393.2
40°	484.0	482.5	480.7	474.7	472.6	460.5	451.8	448.7	444.9	444.7	442.1
42.5°	552.3	550.4	550.4	546.0	541.7	527.2	510.7	508.6	504.5	505.8	504.8
45°	615.5	617.0	619.3	622.3	623.0	616.7	592.8	590.1	587.9	586.7	585.8
47.5°	670.1	672.8	680.0	693.3	710.4	712.6	693.7	686.2	684.7	682.5	680.7
50°	709.1	713.2	729.3	755.4	788.6	809.0	798.8	792.6	792.3	786.3	785.8
52.5°	731.4	735.8	762.1	801.6	853.0	893.0	905.8	905.4	904.8	899.5	897.4
55°	736.5	741.1	772.7	826.3	899.8	969.0	1017.7	1018.9	1021.7	1020.2	1020.2
57.5°	722.8	728.7	763.1	829.5	924.4	1029.1	1135.5	1142.6	1146.1	1158.1	1172.1
60°	697.7	702.1	736.5	810.5	928.7	1084.0	1288.7	1311.4	1329.0	1352.8	1375.5
62.5°	651.2	659.8	692.7	773.3	915.6	1147.3	1471.6	1513.5	1547.9	1584.2	1627.9
65°	594.7	598.4	626.3	696.7	857.4	1171.4	1572.8	1613.7	1657.7	1696.5	1735.5
67.5°	524.0	527.2	551.4	581.4	707.6	1058.3	1473.2	1518.4	1558.1	1590.1	1641.2
70°	343.3	350.0	409.3	439.1	494.6	782.3	1204.7	1248.4	1278.8	1300.5	1359.7
72.5°	251.4	255.8	279.7	341.1	354.7	462.3	847.7	895.2	906.3	947.3	974.9
75°	153.5	164.4	218.3	292.1	345.8	316.6	507.9	530.9	556.6	586.3	612.7
77.5°	31.0	35.3	71.3	201.2	304.2	338.3	303.3	307.6	320.3	323.1	333.0
80°	4.9	5.3	9.3	86.8	176.1	273.5	303.3	299.3	292.1	287.2	282.1
82.5°	2.1	2.5	4.0	22.0	37.5	91.2	262.3	282.8	306.3	319.4	322.8
85°	0.9	0.9	1.6	4.4	5.6	6.2	44.4	58.6	104.5	138.9	160.0
87.5°	0.7	0.7	0.9	0.9	1.2	1.6	2.1	2.1	2.5	2.8	4.0
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	48.4	48.1	48.1	47.2	47.2	46.8	46.8	46.5	46.5	45.9	46.2
5°	56.5	55.8	55.2	54.2	54.0	53.3	52.7	51.8	51.4	50.9	50.5
7.5°	67.3	66.7	65.4	63.5	62.3	61.1	59.8	58.6	57.7	56.7	56.1
10°	80.7	78.8	78.1	74.4	72.8	70.4	68.8	67.6	65.8	64.2	63.3
12.5°	96.7	95.2	92.1	87.2	84.7	82.5	79.7	77.2	75.3	72.6	70.7
15°	113.5	112.3	107.9	102.3	99.3	95.2	92.4	90.0	85.9	84.0	80.7
17.5°	134.6	130.9	126.5	118.4	114.4	111.0	106.0	102.3	99.8	94.2	91.2
20°	156.3	152.3	146.7	137.7	132.1	126.8	122.8	117.9	112.6	108.8	103.5
22.5°	181.1	174.6	170.2	159.1	152.6	147.0	140.2	134.9	129.6	123.7	117.9
25°	207.4	200.9	195.6	183.0	176.1	170.5	162.5	155.1	148.6	142.0	135.2
27.5°	235.1	229.1	223.3	210.2	204.4	196.6	189.1	180.5	172.1	166.2	156.9
30°	267.0	262.0	255.5	241.6	235.1	227.0	219.3	209.0	200.9	192.8	183.9
32.5°	301.4	297.4	290.5	278.1	270.4	263.5	255.2	245.3	233.8	225.4	214.9
35°	343.3	336.5	332.4	320.7	314.7	307.3	298.6	290.0	277.9	266.0	257.0
37.5°	391.0	387.9	382.6	371.4	367.2	359.4	353.8	345.1	335.8	320.9	311.4
40°	440.0	437.9	433.2	422.0	417.7	412.4	405.9	397.5	386.3	378.6	364.4
42.5°	502.3	498.9	495.2	484.7	476.3	469.8	467.0	459.8	448.1	438.1	427.0
45°	581.4	579.8	574.9	564.4	556.0	551.6	547.3	535.2	527.4	517.5	509.8
47.5°	676.9	671.9	669.5	657.7	654.9	651.4	640.3	633.5	622.3	614.6	604.9
50°	780.2	774.9	775.2	760.9	761.6	759.1	750.7	742.6	733.0	726.2	720.3
52.5°	891.2	893.7	887.4	891.8	886.8	881.2	879.7	869.8	861.4	861.1	853.0
55°	1027.6	1023.5	1025.1	1029.5	1022.6	1028.8	1025.8	1013.0	1013.3	1015.8	1006.5
57.5°	1174.2	1180.2	1192.8	1195.6	1207.4	1199.4	1220.5	1205.3	1214.6	1214.6	1208.4
60°	1389.5	1413.0	1443.7	1467.6	1489.6	1482.5	1510.1	1492.8	1505.1	1494.6	1489.3
62.5°	1648.7	1680.0	1716.3	1755.1	1777.4	1783.0	1778.9	1786.7	1774.6	1766.8	1746.7
65°	1773.3	1804.4	1836.0	1882.5	1888.7	1893.3	1891.5	1878.4	1863.5	1841.6	1815.2
67.5°	1669.8	1713.2	1730.9	1784.5	1802.5	1796.0	1798.2	1781.4	1758.2	1736.5	1697.7
70°	1384.5	1434.1	1443.5	1520.3	1541.7	1572.8	1561.6	1556.6	1531.2	1512.8	1470.1
72.5°	1008.1	1046.8	1043.7	1130.2	1126.5	1139.3	1169.3	1168.1	1141.4	1135.5	1099.5
75°	620.5	643.7	642.5	703.9	678.1	674.4	682.8	679.1	654.0	627.9	605.6
77.5°	328.7	339.3	328.1	309.8	307.9	287.2	281.2	280.9	261.7	238.1	220.7
80°	276.9	266.0	253.0	226.3	210.9	196.9	183.9	171.8	158.8	141.4	120.3
82.5°	323.4	318.1	308.8	275.4	259.3	231.4	210.5	191.0	167.2	149.1	122.1
85°	157.5	157.2	164.7	161.2	155.3	154.1	133.7	129.3	119.7	109.8	91.8
87.5°	4.4	3.1	3.7	3.1	3.7	4.0	2.8	6.5	4.0	3.7	4.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	45.9	45.6	45.3	45.3	44.9	44.9	44.7	44.4	44.4	44.0	44.0
5°	50.0	49.3	49.0	48.7	48.1	47.7	47.2	46.8	46.2	45.9	45.3
7.5°	54.9	54.2	53.0	52.4	51.4	51.2	49.6	49.0	48.4	47.7	46.8
10°	61.1	59.5	58.3	57.0	55.5	54.2	53.0	52.1	50.9	49.3	48.7
12.5°	68.8	66.7	64.8	62.6	60.7	58.9	56.7	55.2	53.3	51.8	50.2
15°	77.5	74.4	71.9	68.8	65.8	63.5	61.4	59.3	56.7	54.6	52.7
17.5°	87.4	83.4	80.0	76.3	72.8	69.8	66.0	63.3	60.5	57.4	54.9
20°	98.0	94.0	89.3	85.3	80.3	76.9	72.3	68.6	64.5	61.4	58.0
22.5°	111.9	106.7	100.7	95.2	90.0	84.7	79.7	75.1	70.0	65.4	62.0
25°	128.4	121.9	114.4	108.8	101.4	95.5	89.3	83.4	78.1	72.3	66.7
27.5°	148.8	140.2	132.1	124.4	116.3	108.8	100.7	94.0	86.8	80.0	73.8
30°	172.7	164.4	152.3	143.5	135.5	125.3	117.2	108.2	100.2	90.2	83.4
32.5°	204.4	193.5	180.7	169.3	158.8	147.3	136.1	124.7	114.1	105.1	94.9
35°	245.6	232.8	217.7	203.1	191.4	177.4	163.1	150.0	138.0	124.9	112.3
37.5°	297.7	285.9	269.5	251.8	236.0	219.3	204.4	186.0	170.0	154.1	138.0
40°	349.5	338.6	321.6	302.6	282.1	263.0	244.0	223.3	202.8	183.0	166.2
42.5°	413.3	397.2	378.9	357.5	337.7	314.7	291.2	267.3	242.8	218.9	195.1
45°	493.7	481.2	455.5	432.6	409.0	382.0	352.8	325.6	294.2	266.0	234.4
47.5°	591.4	569.0	550.0	529.0	499.5	473.5	436.3	404.0	364.9	327.4	289.6
50°	706.7	694.2	669.1	642.8	610.9	579.8	543.5	497.0	450.2	410.2	358.4
52.5°	841.6	823.9	808.1	780.7	748.2	708.6	667.3	616.7	559.4	503.0	447.7
55°	1001.6	989.1	974.0	952.3	910.7	865.8	816.1	755.6	687.7	611.8	547.6
57.5°	1208.1	1195.1	1180.5	1135.8	1107.6	1052.4	980.5	917.9	844.7	747.3	667.6
60°	1490.0	1472.3	1451.8	1415.5	1356.6	1284.9	1207.7	1115.1	1025.4	919.1	814.6
62.5°	1730.9	1702.6	1658.9	1612.1	1541.4	1459.3	1362.1	1253.0	1151.0	1031.4	915.1
65°	1780.5	1741.7	1690.2	1629.1	1556.3	1463.5	1362.1	1257.7	1137.7	1025.1	908.2
67.5°	1651.5	1606.5	1553.8	1485.6	1416.1	1320.7	1233.2	1126.8	1014.0	916.6	812.1
70°	1439.4	1372.8	1318.8	1246.2	1175.8	1100.8	1008.7	929.0	837.2	747.6	667.6
72.5°	1080.9	1015.2	966.2	908.2	866.3	787.0	719.4	659.8	605.6	538.6	479.4
75°	582.6	533.3	500.5	474.1	436.6	384.2	351.9	311.0	288.1	260.2	233.2
77.5°	190.0	167.4	143.0	119.1	102.3	76.9	74.4	59.3	55.8	54.2	41.9
80°	97.4	75.1	54.2	39.1	29.8	26.3	25.1	23.9	22.6	21.7	20.2
82.5°	97.7	70.7	48.7	33.8	24.5	20.5	19.3	18.6	17.7	16.7	15.5
85°	71.3	52.7	36.3	24.8	17.0	13.7	13.0	12.1	11.4	11.2	10.0
87.5°	4.7	3.4	3.1	2.8	2.8	2.8	3.1	2.8	3.1	3.1	2.8
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	43.7	43.4	43.4	43.1	42.8	42.8	42.5	42.5	41.6	40.0	38.8
5°	44.9	44.4	44.0	43.7	43.4	42.8	42.5	42.1	40.7	37.5	35.1
7.5°	45.9	45.3	44.9	44.4	43.4	43.1	42.5	41.9	39.3	35.1	32.3
10°	47.4	46.5	45.6	44.7	43.7	43.1	42.1	41.6	37.9	32.8	30.0
12.5°	49.0	47.7	46.5	44.9	44.0	43.1	42.1	40.9	36.6	31.0	27.9
15°	50.9	49.0	47.4	45.9	44.4	43.1	41.6	40.7	35.3	29.5	26.7
17.5°	52.7	50.5	48.4	46.2	44.7	42.8	41.6	40.0	34.1	28.2	25.1
20°	54.9	51.8	49.6	47.2	44.9	42.8	40.9	39.3	32.8	26.7	23.5
22.5°	58.0	54.2	50.9	48.1	45.3	43.1	40.9	38.8	31.6	25.4	22.3
25°	62.0	57.4	53.3	50.0	46.5	43.7	41.2	39.1	30.7	24.5	20.7
27.5°	67.9	62.0	57.7	53.0	48.7	45.3	42.1	39.7	30.0	23.5	19.8
30°	75.1	69.1	62.3	56.7	52.1	47.4	44.0	40.3	29.5	22.6	18.6
32.5°	85.6	77.2	69.1	62.3	55.8	50.5	45.6	41.9	29.1	21.1	17.4
35°	100.7	89.3	79.7	70.7	61.7	55.2	49.3	44.4	28.8	19.8	16.1
37.5°	122.5	108.8	96.5	83.7	72.6	63.3	55.2	48.7	28.8	18.9	14.9
40°	145.8	128.1	112.3	96.5	82.1	70.4	59.5	51.4	28.2	17.7	13.7
42.5°	172.1	150.4	128.7	109.1	91.4	76.3	63.5	53.7	26.7	16.5	12.4
45°	207.4	178.9	152.8	127.7	104.8	84.9	68.8	56.1	25.1	15.5	11.2
47.5°	251.8	218.6	184.8	153.2	123.1	98.0	76.6	60.2	24.2	14.2	10.2
50°	317.9	270.7	226.0	185.8	147.6	114.7	88.1	66.0	23.3	13.3	9.3
52.5°	390.4	332.4	280.0	228.2	180.7	137.4	101.4	73.8	22.3	12.4	8.4
55°	478.8	407.4	343.5	276.3	215.5	163.7	117.9	82.5	21.1	11.4	7.7
57.5°	587.9	497.7	422.0	339.8	263.5	197.9	139.8	97.0	19.8	10.2	6.8
60°	709.8	607.7	512.6	416.1	323.7	243.1	172.4	117.9	18.6	9.0	5.9
62.5°	797.5	685.6	576.7	468.6	367.2	276.9	198.8	134.0	16.7	7.7	5.3
65°	796.6	683.1	573.7	467.0	368.4	278.1	199.7	137.0	14.9	6.8	4.7
67.5°	709.8	614.2	516.6	420.7	334.6	253.0	184.8	127.2	12.7	6.2	4.0
70°	583.9	507.9	430.7	354.7	285.6	216.7	159.7	110.7	10.9	5.6	3.4
72.5°	426.3	370.9	323.7	270.0	223.0	171.2	127.4	86.8	8.7	4.7	3.1
75°	211.8	189.5	162.5	145.8	124.4	101.7	79.1	50.5	7.2	3.7	2.8
77.5°	40.3	36.0	34.4	29.8	27.3	24.2	21.4	15.2	5.6	2.8	2.5
80°	18.6	17.0	15.5	14.0	12.4	10.5	9.3	8.1	4.4	2.1	2.8
82.5°	14.6	13.3	11.8	10.5	9.3	8.1	6.8	5.9	2.8	1.9	2.8
85°	9.6	8.4	7.4	6.5	5.6	4.9	4.4	3.7	1.9	1.9	1.9
87.5°	2.8	2.8	2.5	2.5	2.1	2.1	1.9	1.9	1.6	1.6	1.6
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):

	125°	135°	145°	155°	165°	175°	180°
0°	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2.5°	37.5	36.0	35.3	35.1	35.1	35.3	35.1
5°	33.2	31.6	31.0	30.4	30.4	30.4	30.7
7.5°	30.4	28.8	27.9	27.6	27.3	27.6	27.6
10°	27.9	26.7	25.4	24.8	24.8	24.8	24.8
12.5°	26.0	24.5	23.3	23.0	22.6	22.6	22.6
15°	24.5	22.6	21.7	21.1	20.7	20.7	21.1
17.5°	22.6	21.1	19.8	19.5	19.5	19.5	19.5
20°	21.4	19.5	18.6	18.0	18.0	18.0	18.0
22.5°	19.8	18.3	17.0	16.5	16.5	16.5	16.5
25°	18.6	17.0	15.8	15.2	15.2	15.2	15.2
27.5°	17.4	15.8	14.6	14.0	14.0	14.0	14.0
30°	16.1	14.6	13.3	12.7	12.7	12.7	12.7
32.5°	15.2	13.3	12.1	11.4	11.4	11.8	11.4
35°	13.7	12.1	10.9	10.2	10.2	10.2	10.2
37.5°	12.4	10.9	9.6	9.0	9.0	9.0	8.7
40°	11.4	9.6	8.4	7.7	7.4	7.4	7.4
42.5°	10.0	8.1	7.2	6.5	6.2	6.2	6.2
45°	9.0	7.2	5.9	5.3	5.3	5.3	5.3
47.5°	8.1	6.2	4.9	4.4	4.4	4.7	4.7
50°	7.2	5.3	4.0	4.0	4.0	4.4	4.4
52.5°	6.2	4.7	3.7	3.7	4.0	4.4	4.4
55°	5.6	4.0	3.4	3.7	4.0	4.4	4.4
57.5°	4.9	3.4	3.4	3.7	4.0	4.4	4.4
60°	4.4	3.1	3.1	3.4	4.0	4.4	4.4
62.5°	3.7	3.1	3.1	3.4	4.0	4.4	4.4
65°	3.4	3.1	3.1	3.4	4.0	4.4	4.4
67.5°	3.1	2.8	3.1	3.4	3.7	4.0	4.0
70°	2.8	2.8	3.1	3.4	3.7	4.0	4.0
72.5°	2.8	2.8	2.8	3.1	3.4	3.7	3.7
75°	2.8	2.8	2.8	3.1	3.4	3.7	3.7
77.5°	2.8	2.5	2.5	2.8	3.4	3.7	3.7
80°	2.8	2.5	2.5	2.8	3.1	3.7	3.7
82.5°	2.1	2.1	2.5	2.8	3.1	3.4	3.4
85°	1.9	2.1	2.1	2.5	2.8	3.4	3.4
87.5°	1.6	1.6	1.9	2.1	2.5	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)