

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: P180716

Luminaire Tested: **ICS-E01-LED-E1-SL3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180716
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
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-SL3-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2306.4 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

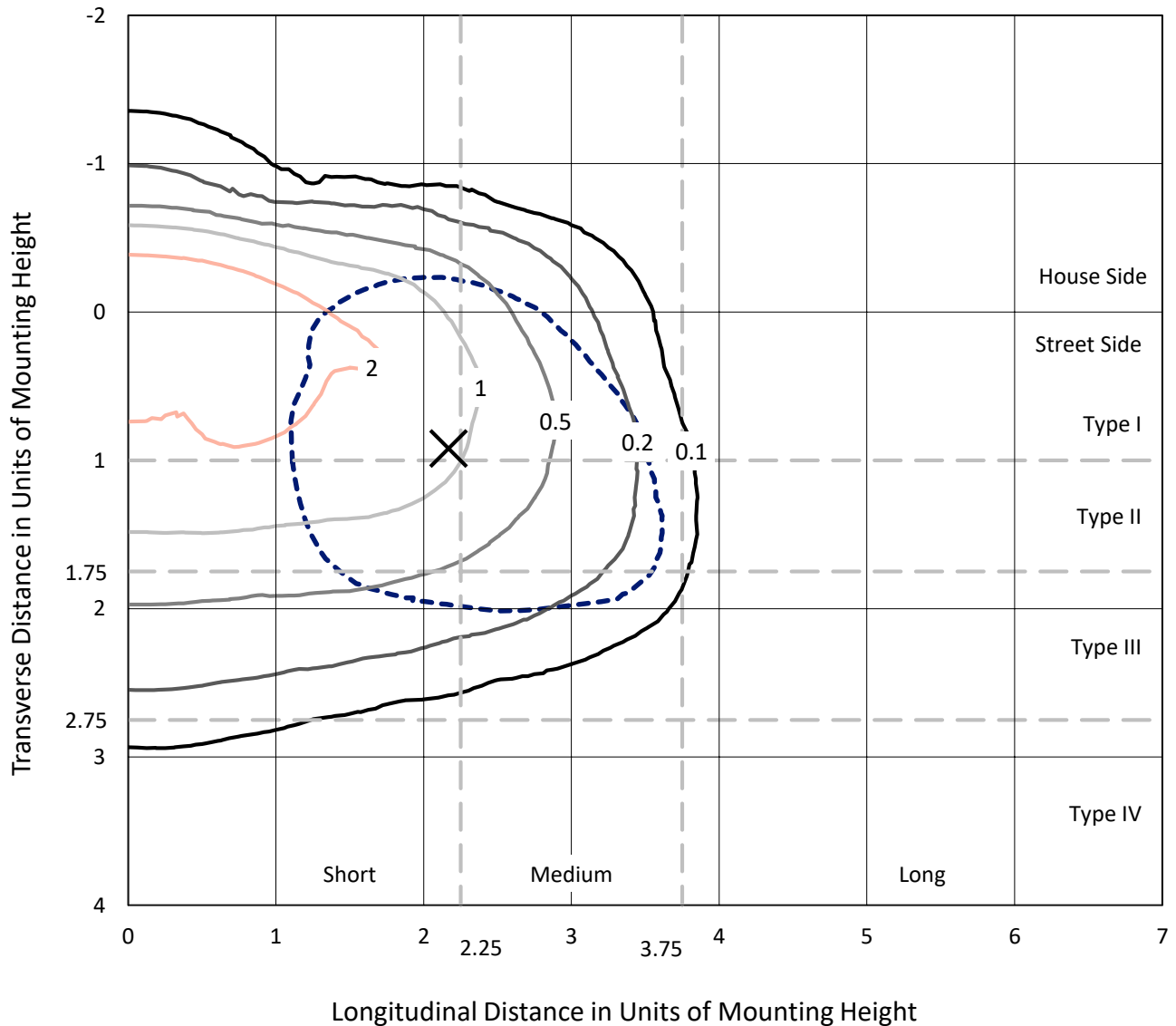


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Iso-Footcandle Lines of Horizontal Illumination

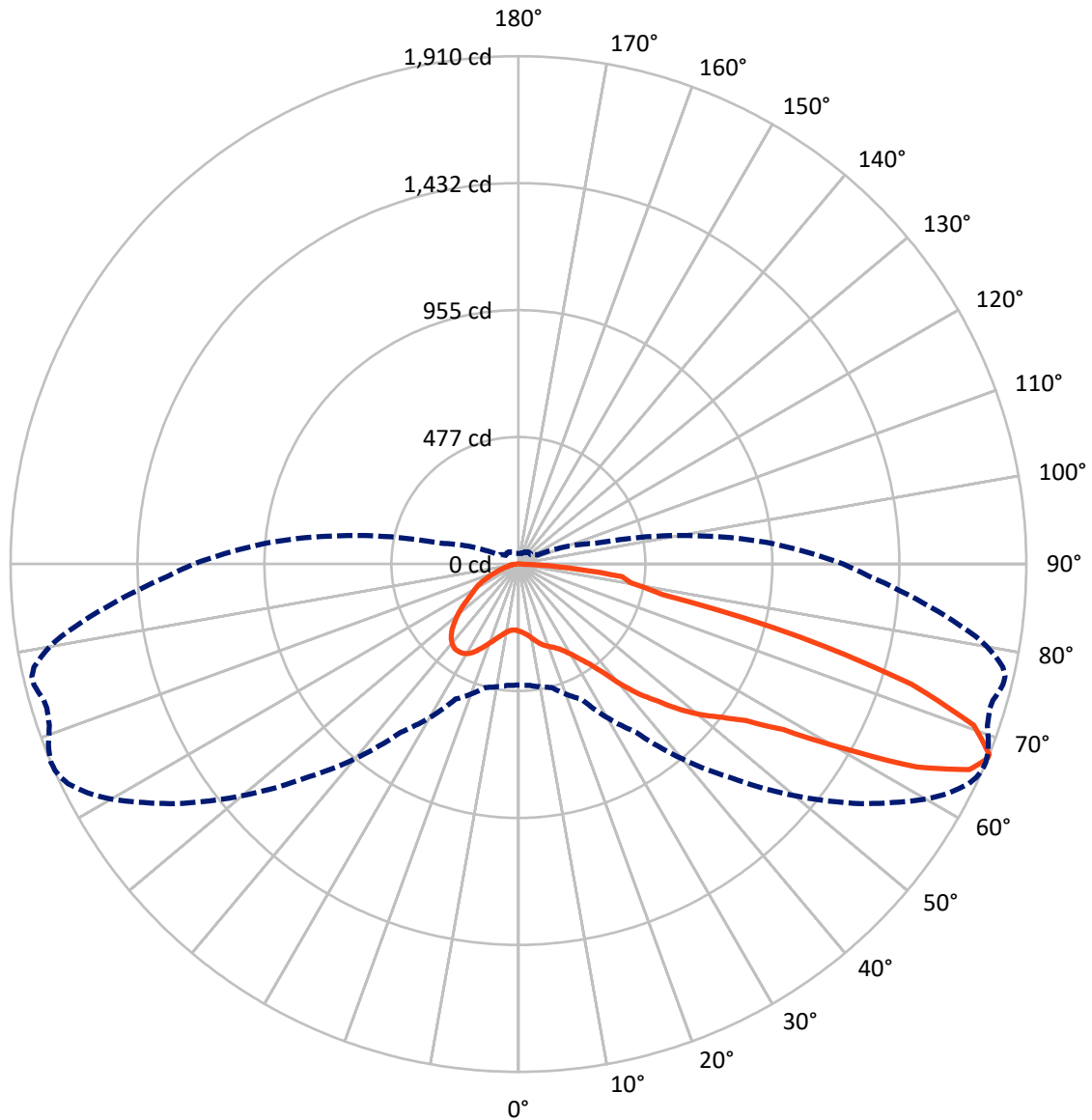
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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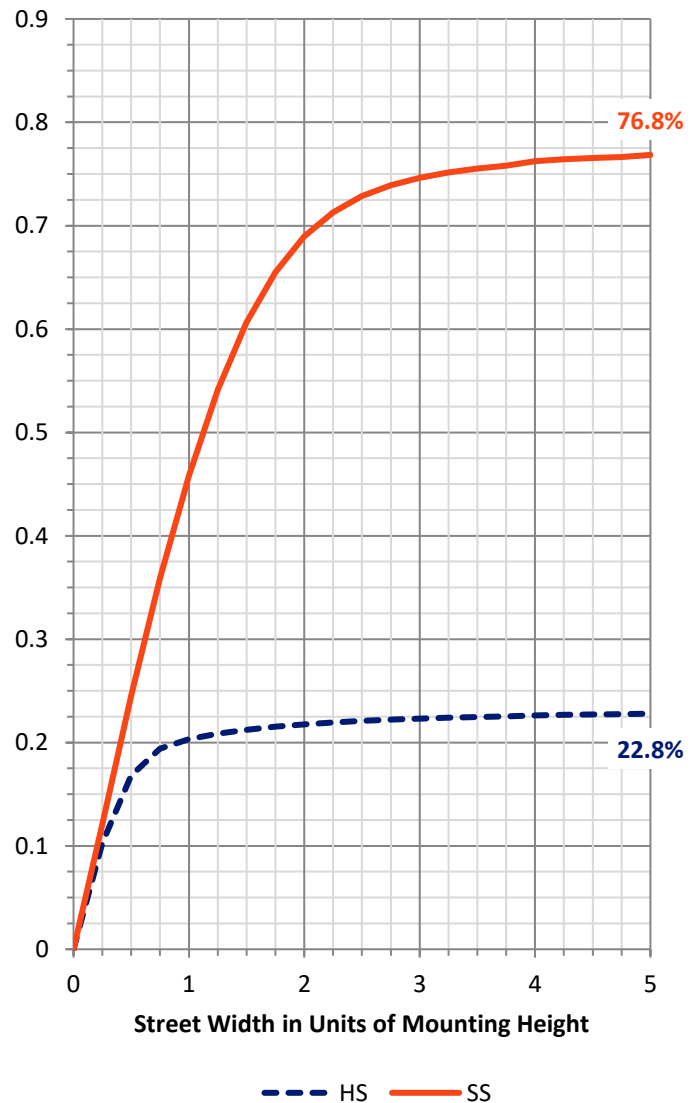
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.2	0.0	532.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1774.1	0.0	1774.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2306.4	0.0	2306.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.1
10°-20°	86.0	3.7
20°-30°	151.9	6.6
30°-40°	218.0	9.5
40°-50°	331.1	14.4
50°-60°	487.5	21.1
60°-70°	647.8	28.1
70°-80°	316.9	13.7
80°-90°	42.1	1.8
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°	2306.4	100.0
0°-180°	2306.4	100.0



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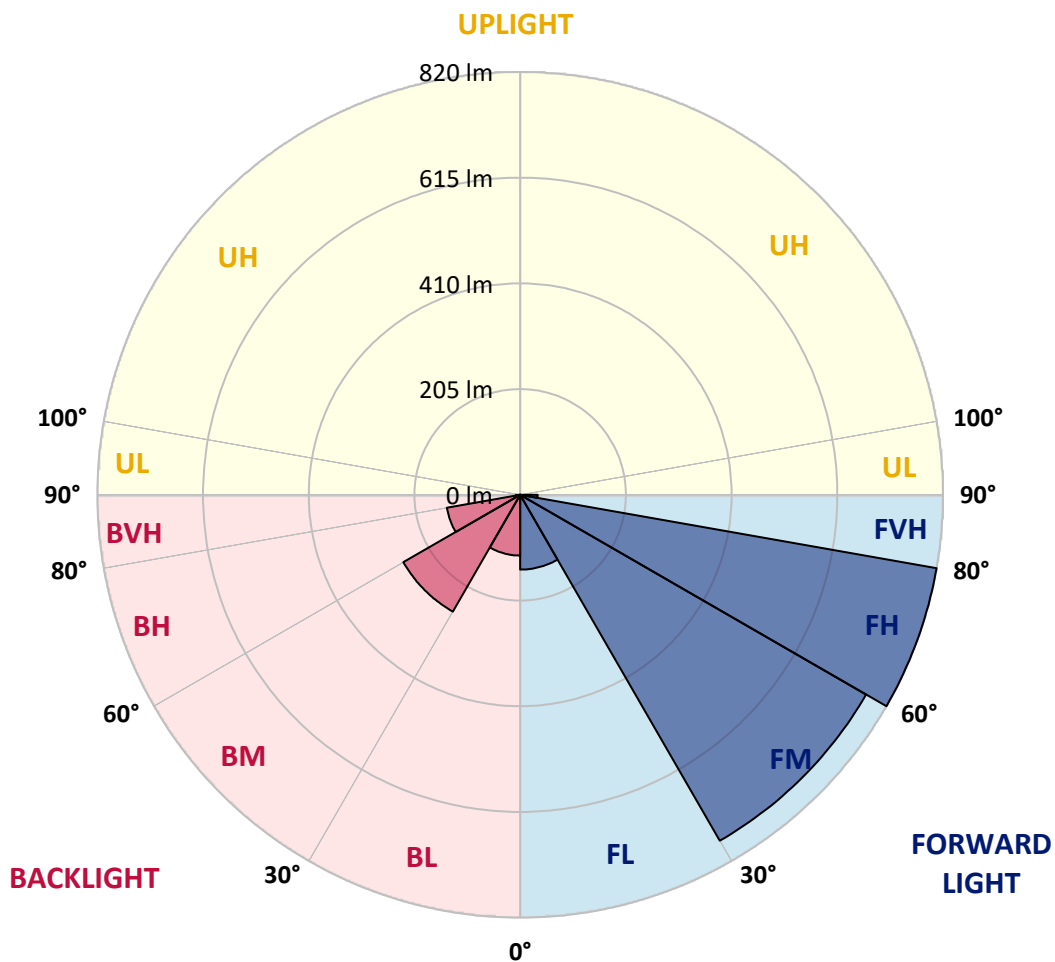
CATALOG NUMBER: ICS-E01-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.1	6.3			
FM	(30°-60°)	774.9	33.6			
FH	(60°-80°)	820.4	35.6			G1/1800
FVH	(80°-90°)	33.8	1.5			G1/100
BL	(0°-30°)	117.9	5.1	B1/500		
BM	(30°-60°)	261.7	11.3	B1/1000		
BH	(60°-80°)	144.4	6.3	B1/500		G1/500
BVH	(80°-90°)	8.3	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9
2.5°	263.8	264.1	263.6	263.3	261.8	260.3	259.3	258.0	258.0	258.0	257.5
5°	278.8	277.8	278.5	276.8	273.7	270.9	268.2	265.9	265.4	265.4	264.4
7.5°	296.8	295.5	295.0	292.5	287.9	283.8	278.3	276.0	274.7	274.2	273.7
10°	318.5	318.5	315.2	310.9	304.9	297.8	291.7	287.6	287.4	287.4	285.1
12.5°	340.8	341.3	337.0	332.7	322.8	313.5	306.4	301.8	301.6	300.6	299.3
15°	361.3	360.1	357.3	351.0	340.1	328.9	320.1	315.5	314.5	313.5	312.7
17.5°	378.3	377.0	373.5	365.4	354.0	340.8	329.9	325.1	324.6	324.1	323.1
20°	388.9	387.9	382.9	373.5	361.6	348.2	336.5	333.2	332.2	332.2	331.7
22.5°	395.0	393.5	386.1	373.7	362.1	352.2	342.6	340.6	339.8	340.1	340.1
25°	398.0	396.8	386.4	368.7	357.5	354.7	350.7	349.4	349.7	349.9	350.4
27.5°	398.6	396.8	384.6	362.1	351.7	359.6	362.3	364.4	364.4	365.4	367.2
30°	394.8	392.7	381.1	357.0	349.2	369.2	380.3	385.6	387.7	387.2	391.2
32.5°	388.2	386.9	377.5	357.0	356.3	388.2	407.9	415.5	416.5	417.0	421.6
35°	385.9	385.6	381.6	369.2	378.3	421.6	451.7	457.6	458.8	458.8	462.1
37.5°	385.4	386.7	391.2	392.0	417.0	471.2	510.7	519.6	519.6	522.1	522.1
40°	385.4	388.2	405.4	425.9	464.4	535.8	590.5	600.6	600.6	603.4	601.9
42.5°	400.3	404.4	432.7	471.7	524.1	602.4	665.2	676.6	677.3	676.6	678.9
45°	429.7	433.2	467.7	523.6	585.7	673.8	736.6	750.3	747.5	749.3	750.0
47.5°	468.7	474.3	513.5	580.4	645.7	739.9	816.6	829.0	828.0	828.8	825.5
50°	510.2	516.0	559.8	636.6	705.4	793.1	880.9	899.4	897.6	898.9	900.7
52.5°	546.9	550.5	592.8	678.9	750.8	842.7	930.3	953.3	957.4	957.9	959.2
55°	568.7	573.0	611.8	699.9	783.7	891.3	986.8	1021.7	1029.6	1031.6	1037.2
57.5°	576.3	580.9	616.1	702.9	801.7	936.9	1065.5	1127.0	1133.6	1144.5	1162.2
60°	576.1	580.9	611.5	696.1	819.9	993.3	1188.1	1291.1	1324.5	1335.7	1361.0
62.5°	552.5	558.1	589.2	675.3	843.2	1065.5	1370.4	1528.9	1571.9	1592.2	1619.5
65°	500.9	504.9	534.0	622.6	836.6	1136.7	1522.8	1720.6	1759.8	1789.4	1838.3
67°	455.0	457.6	480.3	560.4	772.3	1139.2	1570.9	1768.2	1802.4	1833.8	1884.1
67.5°	443.4	448.7	466.4	541.4	748.2	1124.8	1567.6	1760.8	1795.8	1828.4	1881.6
70°	360.8	368.4	377.3	427.7	588.2	946.2	1451.4	1633.7	1664.4	1694.7	1768.9
72.5°	222.6	236.2	238.0	269.9	382.9	654.0	1174.4	1377.7	1400.8	1422.5	1498.5
75°	131.2	133.2	139.5	165.3	224.6	391.0	788.0	1023.5	1044.7	1055.4	1114.9
77.5°	73.2	75.2	80.5	102.8	172.7	263.3	458.8	601.4	614.3	627.7	618.1
80°	30.4	33.2	35.7	41.5	80.8	207.9	315.5	382.3	390.7	398.6	408.4
82.5°	14.7	15.7	19.2	22.0	29.4	85.3	247.4	331.5	341.3	352.7	375.8
85°	6.8	7.6	10.6	12.7	14.2	21.5	82.8	161.3	175.0	177.5	182.1
87.5°	0.5	0.5	1.3	1.8	2.5	2.8	8.6	12.2	13.7	12.4	15.7
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9
2.5°	257.3	257.0	256.5	256.5	256.2	256.2	256.2	255.7	255.7	255.7	255.5
5°	264.1	263.8	263.1	263.1	262.6	262.6	261.8	261.6	261.1	261.1	260.8
7.5°	273.0	272.7	271.7	271.7	270.9	270.7	270.2	269.4	269.4	268.9	268.4
10°	285.1	284.4	282.8	282.8	283.1	282.6	282.1	281.3	280.8	280.3	279.8
12.5°	298.8	298.8	296.8	296.8	297.3	296.8	295.8	295.5	294.7	294.7	294.0
15°	311.7	311.7	310.2	310.2	310.4	309.7	309.4	308.9	307.9	308.2	307.9
17.5°	322.8	322.8	321.6	321.6	321.6	320.8	321.1	320.6	320.1	319.8	319.0
20°	331.7	331.7	330.7	330.7	330.9	330.9	330.2	330.2	330.2	329.7	329.7
22.5°	340.3	340.6	340.6	340.6	340.8	341.1	340.8	341.3	341.1	341.6	341.6
25°	351.7	352.5	353.0	353.0	354.2	354.5	354.7	355.5	355.5	356.3	356.5
27.5°	368.7	369.2	371.2	371.7	372.0	374.0	374.2	375.3	376.3	376.5	376.8
30°	392.0	393.2	394.8	395.8	395.8	398.3	399.3	398.8	401.6	402.4	403.4
32.5°	423.1	424.1	425.6	426.7	427.7	428.9	429.2	430.5	432.7	434.8	433.5
35°	462.4	464.9	462.4	465.1	465.9	467.7	467.2	468.7	469.7	470.5	470.2
37.5°	519.3	518.1	517.6	516.6	514.8	520.9	517.8	517.6	516.0	520.3	517.6
40°	594.3	595.0	595.8	591.8	589.5	589.5	588.7	585.9	584.7	588.5	588.0
42.5°	672.5	673.3	669.7	667.2	661.4	660.6	657.1	656.3	655.1	657.1	655.1
45°	743.7	744.2	736.3	737.6	733.0	733.8	728.2	730.5	727.5	729.5	733.3
47.5°	823.2	824.2	817.4	820.2	815.6	812.8	812.6	814.1	810.8	812.8	813.8
50°	895.4	894.1	890.5	891.3	889.3	889.8	886.7	889.5	885.7	889.8	889.3
52.5°	959.4	957.9	957.1	959.7	957.9	957.9	956.1	957.4	957.9	964.0	965.2
55°	1037.2	1038.4	1039.7	1044.2	1046.3	1043.0	1046.3	1052.6	1052.9	1067.3	1075.1
57.5°	1162.0	1170.8	1175.4	1178.2	1190.1	1188.8	1196.4	1211.6	1213.1	1246.6	1266.1
60°	1379.7	1395.4	1410.4	1402.3	1426.3	1433.7	1438.2	1466.6	1475.5	1507.1	1524.1
62.5°	1654.7	1656.5	1679.8	1672.5	1686.1	1682.8	1688.4	1701.3	1713.0	1739.1	1755.0
65°	1846.7	1855.0	1864.1	1854.8	1854.5	1843.4	1836.3	1836.0	1843.1	1848.7	1866.4
67°	1898.8	1907.2	1909.5	1902.6	1892.8	1878.6	1865.4	1858.6	1854.0	1856.5	1867.7
67.5°	1898.3	1906.2	1909.0	1902.4	1888.7	1876.8	1862.9	1855.0	1848.9	1850.2	1859.6
70°	1790.5	1807.4	1816.5	1818.6	1816.8	1796.0	1784.1	1777.0	1772.0	1759.6	1758.8
72.5°	1517.0	1537.5	1544.6	1556.0	1561.0	1530.4	1517.5	1525.3	1507.6	1468.4	1470.1
75°	1113.9	1115.4	1091.6	1087.0	1070.1	1000.7	979.9	960.9	930.6	883.2	838.6
77.5°	580.6	580.4	553.0	539.1	518.8	477.0	475.0	441.1	417.3	374.0	358.3
80°	412.5	419.1	428.2	432.7	425.6	409.4	387.2	363.1	335.5	308.4	276.0
82.5°	383.6	387.7	392.5	374.8	364.9	342.1	325.1	290.2	270.7	239.8	207.1
85°	186.6	199.0	189.4	178.3	174.5	136.5	131.9	110.1	100.0	82.3	76.7
87.5°	11.9	14.7	13.2	11.9	10.4	5.8	7.8	5.6	5.8	4.3	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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9
2.5°	255.5	255.2	255.0	254.7	254.5	254.5	254.2	254.0	253.7	253.2	253.2
5°	260.3	260.3	260.0	259.5	259.5	259.0	258.3	258.0	258.0	257.5	257.0
7.5°	268.2	267.9	267.4	267.1	266.6	266.1	265.6	265.1	264.9	264.1	263.8
10°	280.1	279.5	278.3	277.8	277.5	277.0	276.5	276.0	275.2	274.7	274.5
12.5°	293.5	293.2	292.2	292.7	291.4	290.9	290.4	289.2	289.7	288.7	288.2
15°	306.9	307.1	306.6	306.6	305.6	304.9	304.4	303.3	303.1	302.6	302.1
17.5°	318.8	319.3	318.5	318.0	317.5	317.0	316.0	315.0	315.0	314.0	313.5
20°	329.7	330.2	329.9	329.4	328.7	328.4	327.9	327.1	327.1	326.6	325.9
22.5°	342.1	342.3	342.3	342.1	341.3	341.6	341.1	340.3	340.6	339.6	339.6
25°	357.0	357.5	358.0	358.3	357.8	358.0	357.5	357.0	356.8	357.0	356.8
27.5°	377.5	378.0	379.6	378.3	379.6	379.8	379.1	378.0	378.8	380.1	379.3
30°	404.6	404.1	406.2	406.4	406.2	406.4	405.9	405.1	405.6	407.9	406.7
32.5°	435.0	436.0	436.5	437.0	437.8	438.8	438.1	437.3	438.6	437.8	439.6
35°	471.7	474.0	474.8	474.0	474.5	476.3	476.0	476.3	478.8	476.3	479.6
37.5°	518.1	520.3	522.1	521.1	522.4	522.4	524.4	530.0	526.4	531.0	534.5
40°	585.4	589.0	589.2	589.0	590.2	591.8	593.8	599.9	595.8	600.6	603.9
42.5°	654.8	659.1	660.6	658.1	660.9	664.2	664.4	669.7	670.0	670.8	672.5
45°	733.0	736.8	739.9	738.6	738.9	743.2	742.2	747.2	743.4	743.4	744.4
47.5°	816.4	819.9	821.9	823.9	821.4	825.2	827.0	826.0	821.4	820.4	814.3
50°	892.3	895.4	898.4	904.0	903.7	905.5	906.7	902.2	901.2	895.6	888.8
52.5°	972.8	980.7	987.5	999.2	1000.9	1007.0	1004.7	997.1	995.9	986.8	977.6
55°	1085.0	1107.5	1117.4	1135.4	1147.6	1147.3	1142.2	1141.0	1131.3	1113.1	1102.2
57.5°	1280.2	1315.4	1332.4	1355.7	1359.5	1357.2	1350.6	1339.0	1322.3	1291.6	1271.9
60°	1562.1	1583.8	1603.6	1609.2	1611.9	1607.6	1584.6	1558.8	1526.1	1483.8	1448.6
62.5°	1775.0	1797.3	1812.0	1809.7	1792.2	1770.2	1736.5	1693.2	1647.4	1600.0	1547.4
65°	1883.4	1892.8	1890.5	1872.7	1842.9	1804.4	1755.3	1701.8	1647.9	1591.9	1537.2
67°	1877.6	1877.8	1862.4	1827.9	1789.7	1741.3	1681.3	1623.1	1559.8	1501.0	1436.0
67.5°	1867.2	1866.2	1844.6	1806.9	1765.6	1715.8	1653.5	1593.2	1527.6	1468.4	1401.0
70°	1749.7	1735.5	1686.9	1626.6	1569.1	1501.8	1436.5	1367.3	1293.4	1242.5	1165.0
72.5°	1437.7	1389.9	1306.1	1243.0	1181.5	1093.4	1052.6	966.8	914.9	882.4	823.9
75°	832.6	792.6	727.7	668.7	638.9	586.7	561.9	498.8	485.7	485.2	464.9
77.5°	317.8	277.3	235.5	189.7	161.3	128.1	112.9	101.0	91.9	98.2	89.1
80°	238.3	196.0	153.2	111.4	79.5	58.7	50.4	46.6	44.3	42.5	41.3
82.5°	177.5	140.0	108.6	70.9	49.6	37.5	32.4	30.4	29.4	27.6	26.1
85°	60.0	48.1	38.0	26.3	20.8	17.0	15.7	15.2	14.4	13.2	12.4
87.5°	3.3	3.0	3.3	2.5	3.0	2.5	2.8	2.8	2.8	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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9
2.5°	253.0	253.0	253.0	252.5	251.7	250.2	248.7	247.4	246.1	245.4	244.9
5°	256.8	256.2	256.0	255.7	254.0	250.9	248.1	245.6	243.1	241.1	240.3
7.5°	263.6	262.6	262.3	261.6	259.3	254.7	250.7	246.6	243.1	240.3	239.0
10°	274.0	274.0	272.5	271.4	268.9	262.8	257.0	251.7	246.9	243.8	243.1
12.5°	287.1	287.1	285.9	285.1	282.1	274.2	267.1	260.8	256.2	253.2	253.0
15°	300.8	300.6	299.5	298.5	295.2	286.9	279.8	274.2	270.4	266.9	265.9
17.5°	313.0	313.0	311.7	310.7	307.4	300.3	294.0	289.9	285.6	278.3	272.7
20°	325.1	325.4	324.4	323.4	320.6	314.5	311.7	307.7	298.0	282.1	268.9
22.5°	338.5	339.6	338.3	337.3	335.0	332.5	331.5	321.8	301.6	276.0	256.8
25°	355.8	357.5	356.0	355.5	354.2	355.0	352.0	329.7	296.5	262.8	238.8
27.5°	379.3	379.3	379.6	379.6	379.1	381.8	370.7	329.9	285.4	245.9	217.3
30°	406.9	408.4	407.9	407.9	409.9	411.7	381.1	324.4	271.2	224.9	190.9
32.5°	440.1	441.3	441.9	439.6	447.7	438.6	384.9	314.2	253.7	198.8	159.5
35°	480.1	481.9	483.1	483.4	488.7	461.9	382.9	299.3	228.6	166.1	125.1
37.5°	532.2	535.8	538.6	539.8	540.1	481.6	377.3	279.5	196.0	129.6	93.2
40°	601.6	605.4	604.7	607.2	592.8	493.3	364.6	250.9	155.5	95.2	71.9
42.5°	668.5	669.0	670.0	667.7	638.3	499.3	346.9	216.0	116.5	71.2	61.5
45°	743.2	738.9	734.1	730.5	680.4	501.6	322.6	173.4	82.3	59.8	57.0
47.5°	813.3	807.5	797.6	787.5	717.9	498.1	291.4	129.9	62.5	54.7	53.9
50°	882.2	871.3	857.4	845.7	753.8	492.7	257.0	93.7	54.7	52.2	51.4
52.5°	967.5	949.3	931.1	915.9	800.7	484.4	220.8	71.2	51.4	50.1	49.1
55°	1084.5	1059.2	1029.8	1008.5	864.2	471.7	182.8	60.3	49.9	48.9	47.4
57.5°	1246.6	1208.6	1175.4	1140.7	951.1	458.8	150.2	56.0	49.6	48.1	46.1
60°	1412.2	1366.6	1324.3	1274.7	1039.7	445.9	127.4	55.5	50.4	48.1	45.1
62.5°	1498.2	1451.2	1400.3	1349.9	1077.9	415.5	111.7	56.2	52.2	48.9	45.1
65°	1478.5	1421.0	1369.4	1318.0	1033.6	358.0	94.4	57.2	55.7	51.9	45.8
67°	1379.2	1319.2	1269.6	1220.5	934.9	299.8	81.0	58.2	59.5	55.5	47.4
67.5°	1344.3	1284.3	1235.4	1187.6	905.7	287.6	77.7	58.7	60.3	56.5	47.9
70°	1114.6	1070.6	1018.7	981.7	733.3	213.0	63.8	59.8	64.8	62.3	50.1
72.5°	802.2	760.1	721.1	700.6	540.1	148.9	53.7	58.7	67.6	65.6	51.1
75°	426.4	423.9	409.7	419.8	334.2	97.2	47.4	54.9	64.6	60.0	47.6
77.5°	86.1	88.6	104.1	102.6	107.9	54.2	40.5	47.1	49.9	44.1	38.7
80°	40.0	39.2	38.5	39.0	38.2	34.7	32.9	37.0	34.7	28.4	25.8
82.5°	24.8	24.3	23.5	23.3	25.8	27.6	28.9	29.1	23.0	19.8	19.0
85°	11.9	11.9	11.6	12.2	15.2	22.5	24.3	21.5	15.4	14.2	13.4
87.5°	2.3	2.3	2.5	2.3	3.0	5.3	6.1	7.1	5.8	6.1	6.8
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):

	165°	175°	180°
0°	251.9	251.9	251.9
2.5°	244.3	243.8	243.8
5°	239.3	239.0	239.0
7.5°	238.0	238.3	238.0
10°	242.8	242.6	243.6
12.5°	253.5	254.2	254.0
15°	264.6	265.1	265.1
17.5°	267.9	266.1	265.9
20°	259.3	256.0	255.2
22.5°	243.1	237.0	237.3
25°	222.6	215.2	215.7
27.5°	198.8	190.9	190.7
30°	170.2	161.5	157.2
32.5°	135.7	125.3	125.3
35°	102.0	93.7	90.6
37.5°	77.5	72.7	71.2
40°	64.6	62.3	61.8
42.5°	58.7	58.0	57.7
45°	55.7	55.2	54.9
47.5°	52.9	52.7	52.4
50°	50.9	50.6	50.4
52.5°	49.1	48.6	48.4
55°	46.6	46.6	46.6
57.5°	45.1	45.1	44.8
60°	43.6	43.3	43.3
62.5°	42.3	41.8	42.0
65°	41.5	40.8	40.8
67°	41.0	39.5	39.5
67.5°	41.0	39.0	39.0
70°	40.3	37.0	36.5
72.5°	39.5	34.7	33.9
75°	37.5	32.9	32.2
77.5°	32.2	29.4	28.9
80°	24.8	21.5	22.0
82.5°	18.0	15.4	15.2
85°	12.9	11.1	11.1
87.5°	6.8	5.8	6.1
90°	0.0	0.0	0.0

(END OF REPORT)