

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: P180521

Luminaire Tested: **ICS-F01-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180521
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-SL2-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1915.8 lumens
Efficiency: N/A
Efficacy: 74.0 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: B1 - U0 - G1

Input Watts (W): 25.9
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

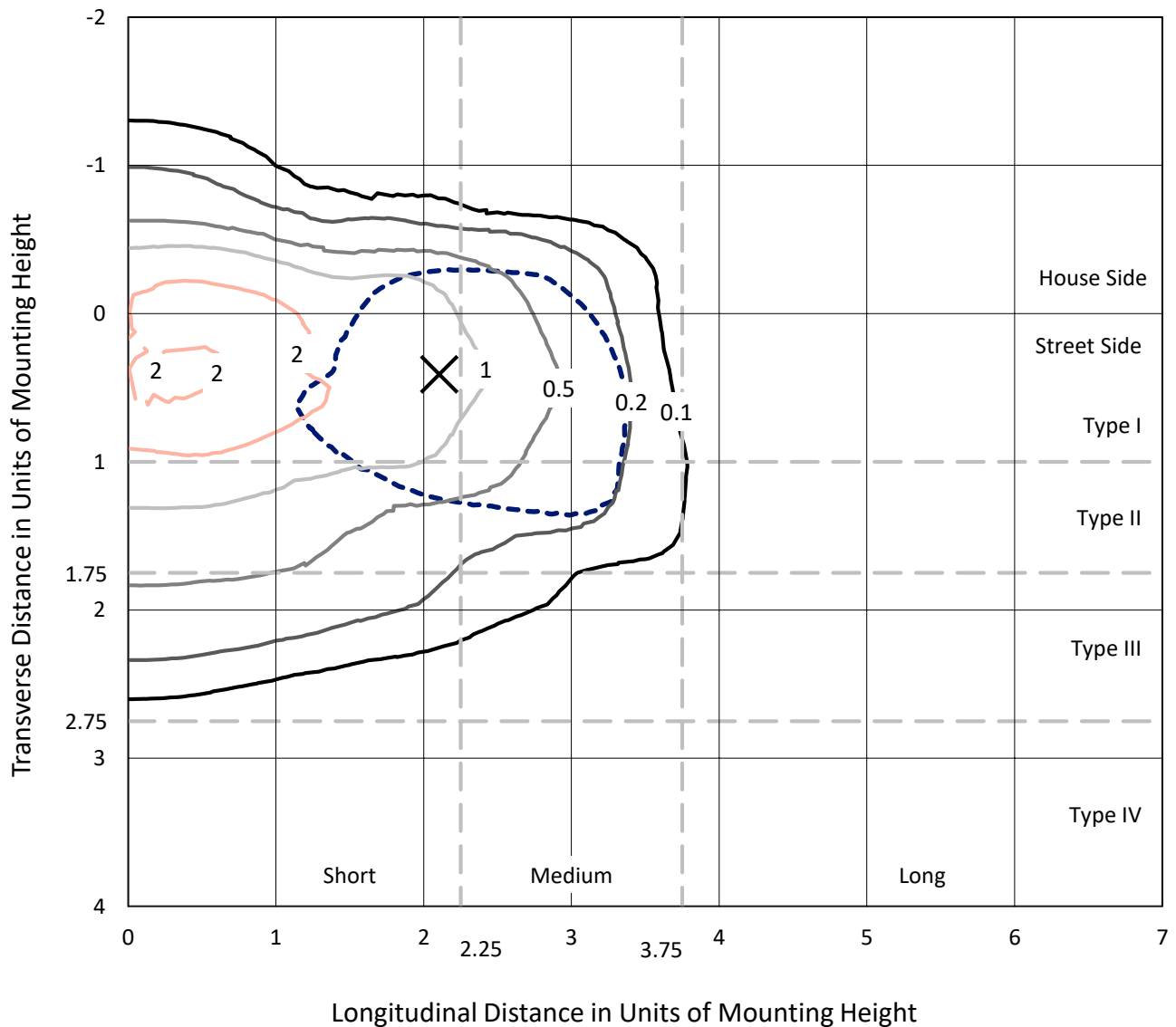


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

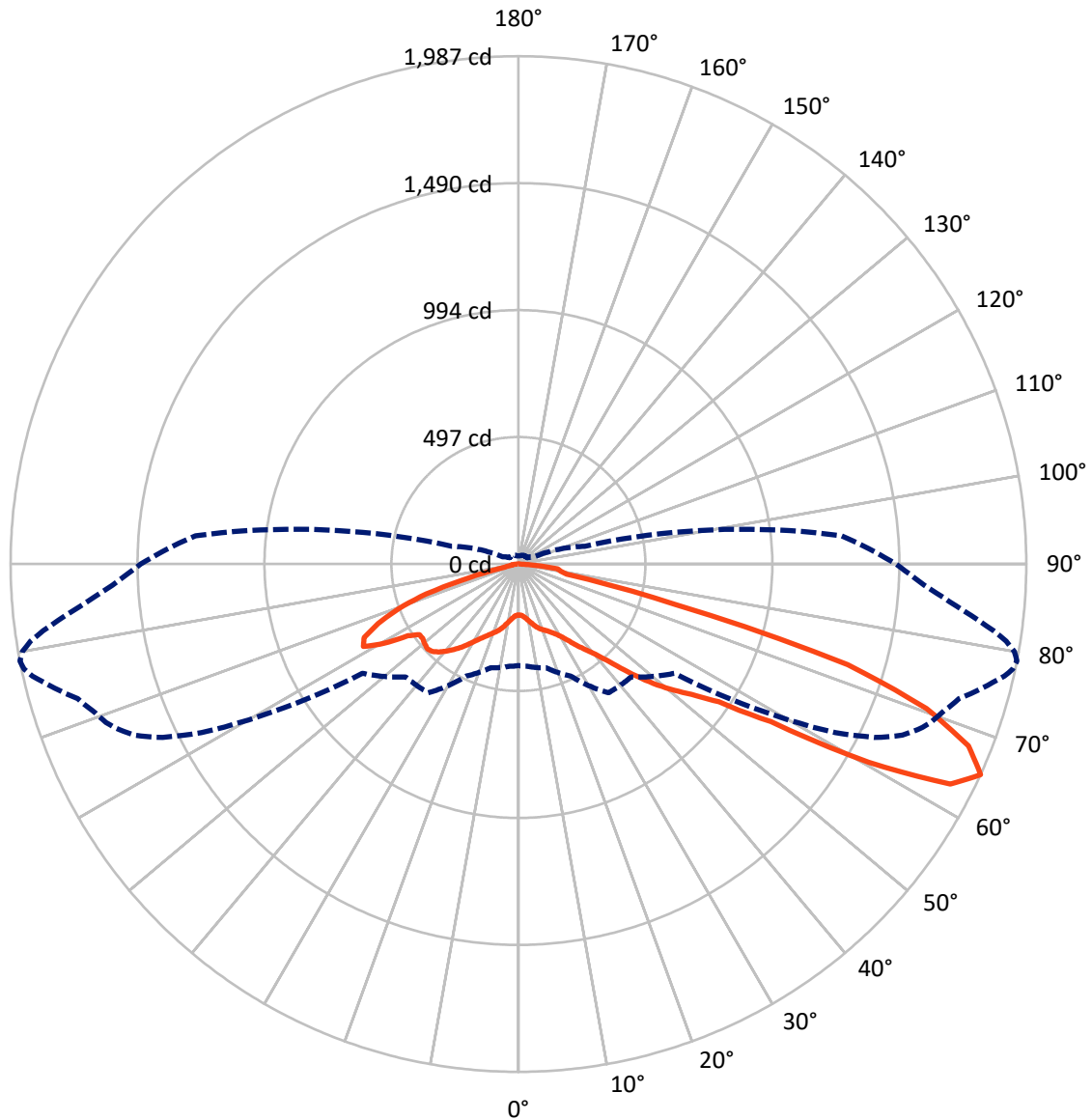


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.9	0.0	452.9
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	1462.9	0.0	1462.9
	% Fixture	76.4	0.0	76.4
Total	Lumens	1915.8	0.0	1915.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.0
10°-20°	64.8	3.4
20°-30°	112.0	5.8
30°-40°	185.3	9.7
40°-50°	314.3	16.4
50°-60°	417.6	21.8
60°-70°	539.4	28.2
70°-80°	226.2	11.8
80°-90°	36.3	1.9
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°	1915.8	100.0
0°-180°	1915.8	100.0



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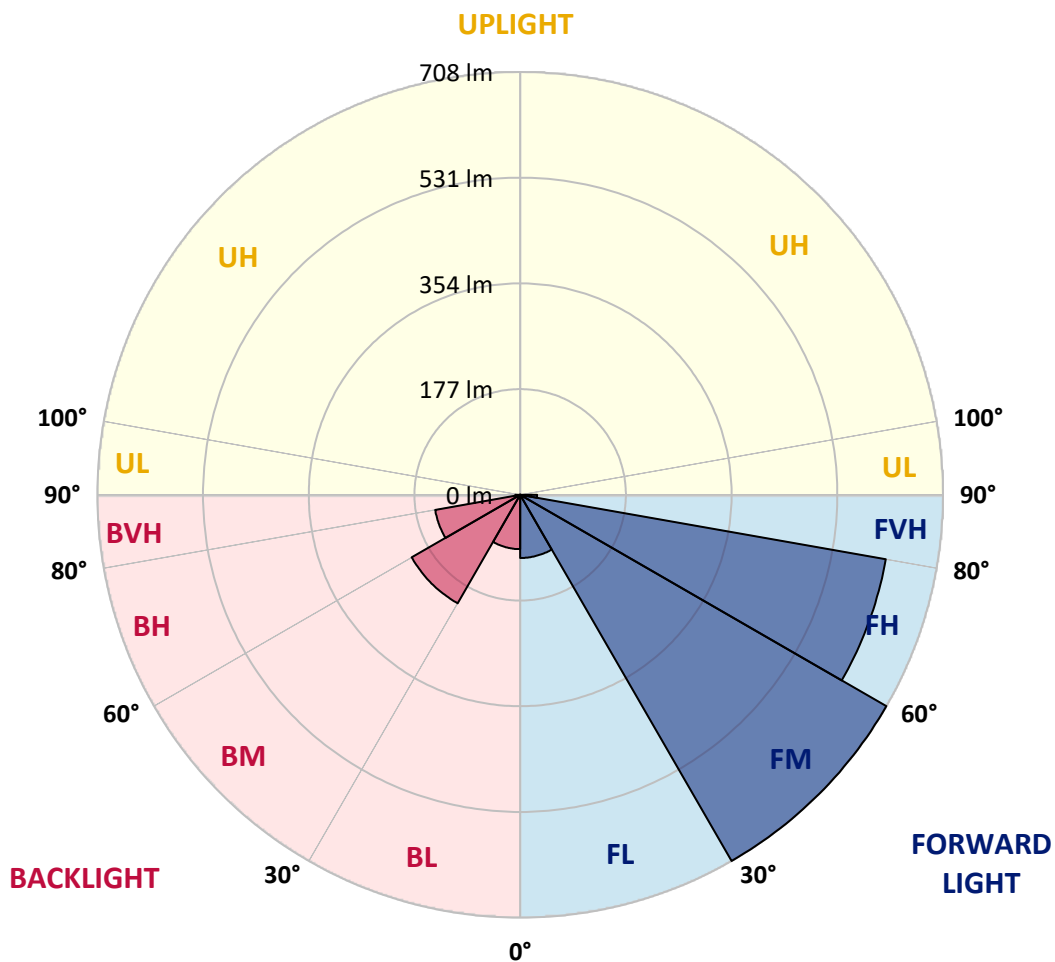
CATALOG NUMBER: ICS-F01-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.7	5.5			
FM (30°-60°)	707.6	36.9			
FH (60°-80°)	621.2	32.4			G0/660
FVH (80°-90°)	28.4	1.5			G1/100
BL (0°-30°)	90.9	4.7	B0/110		
BM (30°-60°)	209.6	10.9	B0/220		
BH (60°-80°)	144.4	7.5	B1/500		G1/500
BVH (80°-90°)	7.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	198.8	199.4	199.0	199.4	199.8	200.0	200.5	200.3	200.3	200.5	200.0
5°	198.8	198.8	199.4	200.5	200.9	202.1	203.6	203.4	203.6	203.4	203.8
7.5°	203.0	202.8	203.4	204.6	205.1	206.9	209.5	209.9	210.3	210.3	210.9
10°	210.3	210.1	210.7	211.3	212.0	213.4	217.0	218.4	218.6	218.9	219.7
12.5°	219.5	219.3	218.4	218.4	218.2	220.9	225.8	228.5	228.9	229.7	230.4
15°	226.0	225.3	224.1	223.2	224.3	228.7	235.8	238.9	239.3	240.0	241.6
17.5°	232.2	231.6	228.9	226.8	228.3	235.4	245.0	248.3	249.2	249.8	251.7
20°	241.0	240.6	236.6	231.6	231.2	240.4	252.1	256.5	257.1	257.9	259.8
22.5°	254.4	252.5	247.9	238.5	233.9	243.3	257.1	263.2	264.0	264.8	267.4
25°	271.1	270.3	262.3	247.9	238.3	246.2	262.5	270.1	271.3	272.4	275.7
27.5°	288.5	287.2	278.6	259.8	246.0	252.1	271.1	279.7	281.4	283.0	286.2
30°	303.9	303.5	296.4	275.9	258.6	263.2	284.9	295.4	297.2	299.3	302.3
32.5°	340.3	340.5	333.2	312.3	288.9	283.2	304.8	320.4	321.3	323.8	329.0
35°	409.9	410.7	408.0	391.5	365.2	342.0	344.1	359.5	360.4	362.5	367.5
37.5°	456.5	458.2	466.6	471.8	458.4	447.7	421.2	415.1	415.8	414.5	413.5
40°	482.2	484.7	506.7	533.9	548.5	548.7	537.2	510.5	500.2	497.3	484.7
42.5°	496.9	501.0	532.2	578.6	620.6	649.5	656.6	626.9	619.4	606.0	581.9
45°	506.5	511.5	548.3	611.8	673.7	722.8	759.8	746.7	741.6	733.5	711.3
47.5°	504.8	508.8	547.0	623.1	701.5	771.3	837.0	850.6	844.5	842.4	827.3
50°	474.3	477.8	516.7	595.1	686.3	789.7	885.9	924.3	924.3	928.3	923.7
52.5°	441.7	444.6	479.9	550.4	636.9	771.7	913.1	976.8	985.2	992.1	1002.9
55°	429.4	432.9	459.7	519.9	594.9	720.3	922.2	1016.1	1031.6	1043.3	1067.9
57.5°	435.2	438.8	457.8	503.3	570.2	667.9	922.7	1069.0	1098.9	1122.9	1172.9
60°	460.5	463.8	479.7	518.6	563.8	637.5	904.9	1153.2	1200.9	1246.0	1329.2
62.5°	448.8	453.0	476.2	543.9	612.0	614.6	840.7	1218.4	1295.2	1361.8	1494.2
65°	397.6	402.0	420.2	483.5	615.0	624.6	745.6	1219.7	1315.0	1405.1	1547.9
67.5°	301.8	303.5	317.9	368.7	491.9	635.7	647.8	1075.3	1166.0	1266.5	1413.9
70°	154.3	157.2	161.4	203.6	316.7	525.3	556.7	792.4	908.0	1011.9	1189.0
72.5°	53.5	54.6	58.7	77.8	154.3	344.7	487.3	543.1	612.9	710.1	915.1
75°	32.2	32.2	33.7	39.3	70.4	179.6	433.5	443.6	453.0	485.6	619.8
77.5°	25.5	25.9	25.9	27.0	39.1	92.2	329.2	412.4	413.7	416.8	439.4
80°	18.2	19.0	20.7	21.5	25.3	50.6	184.8	362.0	386.7	398.6	415.1
82.5°	13.6	14.4	17.6	18.6	19.6	28.2	83.0	249.8	294.7	318.6	376.7
85°	6.1	7.1	11.9	13.2	13.8	15.1	38.9	71.1	81.7	91.8	121.0
87.5°	1.0	1.0	1.9	2.7	4.0	3.8	8.6	12.1	12.3	14.4	16.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	200.0	200.0	200.0	199.8	200.0	200.0	200.0	200.0	200.3	200.3	200.3
5°	204.4	204.0	204.2	204.2	204.2	204.0	204.4	204.2	204.4	205.1	204.9
7.5°	210.9	211.3	211.5	211.7	211.7	211.7	212.0	212.4	212.4	213.0	212.8
10°	220.5	220.3	220.5	221.2	221.8	222.0	222.6	222.4	222.8	223.7	224.5
12.5°	230.8	231.2	231.8	232.4	233.5	233.7	234.3	234.5	235.8	235.8	236.6
15°	242.3	242.5	243.7	243.9	245.2	245.6	246.7	247.1	248.5	248.7	249.6
17.5°	252.7	253.1	253.8	254.4	255.9	256.5	257.3	258.2	259.4	259.8	261.3
20°	261.1	261.9	262.1	263.4	264.6	265.5	266.3	267.1	268.4	269.0	270.5
22.5°	268.6	269.4	270.1	271.1	272.0	273.2	273.6	275.1	276.3	277.4	278.6
25°	276.8	278.0	278.6	280.5	281.1	282.4	283.4	284.9	286.6	287.8	289.5
27.5°	288.3	290.1	291.0	293.1	294.5	295.2	296.8	298.9	300.4	301.8	303.5
30°	304.1	307.7	308.3	309.8	312.5	312.9	315.0	316.7	319.0	320.4	321.9
32.5°	328.8	333.2	333.6	335.3	337.6	338.4	340.1	342.0	345.5	346.2	348.5
35°	366.6	368.5	370.2	370.8	372.7	373.7	375.0	377.1	380.6	380.2	382.7
37.5°	412.0	412.6	412.8	410.7	411.2	409.3	411.6	412.0	413.3	414.3	416.8
40°	476.8	470.3	469.5	464.5	459.5	456.7	455.7	451.5	452.6	453.0	455.1
42.5°	571.5	559.0	548.5	541.4	529.1	523.0	514.8	508.4	503.3	505.2	506.1
45°	691.5	673.5	656.8	635.0	618.9	607.4	593.0	580.1	574.2	571.5	574.8
47.5°	811.3	795.4	775.7	753.4	727.8	708.8	684.8	663.7	649.0	643.6	646.5
50°	914.7	900.1	885.3	872.1	842.4	821.7	788.9	761.5	738.5	726.8	723.7
52.5°	1000.6	992.9	985.0	973.9	950.1	929.4	903.2	876.3	845.7	821.9	813.8
55°	1077.4	1081.9	1078.0	1078.2	1068.8	1055.6	1033.5	1013.4	992.1	965.1	953.8
57.5°	1189.2	1216.4	1221.8	1235.4	1242.1	1249.2	1255.4	1243.5	1238.1	1218.0	1218.2
60°	1365.4	1405.1	1439.6	1471.0	1496.7	1521.8	1548.1	1559.8	1572.8	1578.8	1599.5
62.5°	1552.9	1590.7	1642.2	1684.2	1707.8	1740.4	1769.0	1787.6	1810.4	1834.7	1866.2
65°	1599.3	1644.9	1677.3	1705.3	1728.7	1746.0	1761.7	1783.9	1802.9	1841.4	1878.6
67.5°	1480.4	1516.7	1546.4	1574.0	1592.2	1606.8	1620.8	1635.5	1668.1	1703.0	1740.4
70°	1270.7	1314.6	1363.7	1399.5	1408.5	1421.0	1434.4	1453.4	1469.7	1506.3	1534.7
72.5°	1020.9	1084.0	1125.6	1175.2	1185.8	1204.9	1212.4	1227.2	1230.2	1250.0	1257.5
75°	711.5	783.9	825.7	862.0	869.2	858.7	862.9	810.4	797.0	786.2	777.4
77.5°	469.7	489.1	495.8	490.0	462.0	440.0	416.6	393.6	396.1	377.5	344.9
80°	417.6	422.0	416.0	410.1	394.0	371.0	349.9	328.4	317.7	306.4	289.7
82.5°	406.4	423.3	425.2	418.1	405.3	380.2	354.7	322.7	295.6	270.5	245.0
85°	135.9	165.3	178.5	190.8	194.6	199.0	183.9	163.5	138.8	122.3	95.7
87.5°	17.3	21.5	24.9	21.3	24.9	29.3	21.1	23.6	23.8	14.8	11.1
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	200.5	200.3	200.3	200.3	200.0	200.3	200.3	200.3	200.3	200.3	200.0
5°	205.1	205.1	205.7	205.9	205.5	205.3	205.5	205.7	205.7	205.5	205.7
7.5°	213.6	213.8	214.3	214.9	214.5	214.7	214.9	214.7	215.3	215.5	215.3
10°	224.5	224.9	226.0	226.2	226.0	226.8	227.0	226.6	227.0	227.0	227.8
12.5°	237.0	237.5	238.7	239.1	239.6	239.8	240.4	240.6	241.2	241.6	242.3
15°	250.6	251.0	251.9	253.3	253.8	254.2	254.6	255.9	256.1	256.9	257.5
17.5°	262.1	262.8	264.0	265.1	265.7	266.7	267.1	268.6	269.0	270.3	271.3
20°	271.3	272.4	273.4	274.7	275.7	277.0	277.4	278.8	279.7	280.3	281.6
22.5°	279.7	280.9	282.4	283.9	284.7	286.4	287.0	287.6	289.5	290.3	291.6
25°	290.6	291.8	293.5	295.4	296.2	298.3	298.9	300.0	302.1	302.9	304.8
27.5°	305.4	307.1	308.3	310.2	311.2	312.7	314.2	315.4	317.3	318.6	320.7
30°	324.0	325.3	327.3	328.8	330.5	332.6	334.2	335.5	336.5	338.4	340.7
32.5°	351.4	351.6	352.2	355.8	357.4	359.1	361.4	362.5	364.1	366.0	368.5
35°	385.5	387.3	388.8	390.5	392.4	394.2	395.1	398.2	399.7	402.2	404.7
37.5°	419.3	419.5	422.9	423.9	425.6	427.5	430.4	433.5	437.3	439.8	443.8
40°	455.7	457.4	461.5	463.6	465.7	470.3	472.6	477.6	483.9	487.5	494.2
42.5°	508.4	510.9	518.4	521.7	526.8	534.3	539.1	546.0	548.5	557.1	560.2
45°	577.3	585.1	596.0	603.1	612.0	620.2	624.4	627.5	631.3	638.0	637.1
47.5°	652.0	662.0	674.1	688.8	694.6	704.2	709.7	715.7	712.4	710.7	709.0
50°	728.5	740.2	756.3	769.4	778.4	784.3	788.9	788.1	780.9	777.2	766.7
52.5°	813.6	820.5	835.7	847.0	852.4	853.7	852.6	846.4	839.7	827.8	815.4
55°	944.0	940.9	946.9	952.1	950.5	956.3	941.3	935.4	918.9	903.4	886.9
57.5°	1209.0	1213.2	1179.4	1164.1	1161.4	1166.8	1140.3	1136.9	1097.0	1092.0	1064.2
60°	1596.6	1617.1	1590.5	1575.7	1535.5	1522.4	1492.7	1480.4	1442.1	1411.2	1372.1
62.5°	1888.0	1906.6	1917.7	1896.5	1873.1	1838.6	1793.7	1744.0	1703.4	1656.0	1614.6
65°	1914.3	1951.9	1977.4	1987.3	1970.8	1932.9	1877.5	1814.8	1752.7	1693.2	1640.9
67.5°	1791.2	1824.8	1864.4	1899.7	1901.8	1877.1	1829.9	1766.1	1694.4	1620.8	1559.6
70°	1579.7	1621.9	1656.4	1693.6	1719.5	1705.3	1681.7	1623.1	1548.7	1491.4	1421.0
72.5°	1284.7	1302.5	1310.8	1347.4	1347.8	1321.9	1305.2	1272.8	1212.8	1172.3	1118.5
75°	750.2	711.1	669.5	633.4	603.9	591.6	536.8	527.6	490.8	468.0	434.6
77.5°	309.4	274.5	229.5	192.1	155.1	138.4	114.1	103.5	89.7	83.6	79.6
80°	265.3	232.2	198.4	166.0	137.1	108.3	84.2	65.4	51.4	43.7	40.6
82.5°	216.6	196.7	173.1	155.5	132.9	111.4	94.1	73.0	54.6	40.1	30.7
85°	78.2	64.2	51.6	47.5	37.8	31.1	26.1	22.4	18.4	14.6	13.0
87.5°	8.8	8.4	4.8	4.6	5.2	3.8	4.4	4.0	3.3	2.9	3.1
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4	199.4
2.5°	200.0	200.0	200.3	200.3	200.5	200.7	201.1	200.9	200.9	201.1	201.1
5°	205.7	206.3	206.1	206.1	206.1	206.3	206.5	205.7	204.9	204.0	203.6
7.5°	215.5	215.9	216.3	215.9	216.3	216.1	215.7	213.4	210.7	207.4	205.1
10°	228.3	228.3	228.7	228.5	229.3	228.7	227.4	222.2	216.3	209.2	204.0
12.5°	242.1	243.5	242.9	243.1	244.8	243.1	240.2	232.4	222.0	210.5	201.3
15°	258.4	259.0	259.4	258.8	259.8	258.4	253.1	240.8	225.5	209.5	195.9
17.5°	271.7	272.0	272.2	272.6	274.0	272.4	263.4	246.7	226.4	204.6	186.7
20°	282.2	283.2	284.1	284.1	286.2	283.7	271.7	249.6	223.7	196.7	175.0
22.5°	293.1	293.9	294.9	295.2	297.9	295.4	278.6	249.0	216.6	185.4	161.4
25°	306.4	307.3	308.1	309.2	312.9	309.4	285.5	246.4	206.7	172.0	146.7
27.5°	321.9	323.8	324.4	326.1	330.5	325.0	291.4	242.7	195.9	156.6	131.3
30°	342.6	344.9	345.7	348.0	354.1	342.2	294.7	236.2	182.1	140.9	114.8
32.5°	370.4	373.5	376.0	378.6	385.5	359.3	295.2	226.8	166.0	123.3	98.9
35°	406.8	411.6	413.5	415.1	421.6	377.9	293.3	212.8	146.3	105.4	86.3
37.5°	447.5	452.3	453.6	454.4	455.7	393.8	288.7	191.5	124.2	89.7	76.3
40°	497.7	501.9	503.6	502.3	495.6	406.1	278.4	166.6	102.6	79.0	70.0
42.5°	559.0	565.2	565.8	560.2	538.0	413.0	257.9	137.3	85.7	71.3	65.2
45°	634.8	634.4	630.9	626.9	584.2	410.3	229.3	111.8	75.0	65.2	60.8
47.5°	703.0	695.9	690.4	678.7	625.0	394.4	192.3	92.6	68.6	60.6	57.1
50°	758.8	745.8	734.3	721.6	655.3	366.2	155.5	78.6	62.5	56.6	53.5
52.5°	802.9	787.2	773.8	761.3	684.6	334.9	127.5	68.4	56.6	52.7	49.5
55°	871.9	856.2	834.9	821.1	729.3	306.0	109.3	60.2	51.0	48.5	45.4
57.5°	1046.4	1032.6	1007.1	971.4	844.3	295.2	99.1	53.9	46.4	44.9	42.4
60°	1351.2	1328.8	1295.6	1259.2	1078.0	302.5	90.9	49.5	43.3	42.0	40.1
62.5°	1581.1	1541.8	1504.2	1470.5	1264.9	302.3	80.3	46.2	41.0	40.3	38.5
65°	1590.5	1550.6	1512.8	1477.4	1269.0	269.0	67.7	43.3	40.6	40.3	37.2
67.5°	1506.1	1462.8	1426.2	1381.7	1174.8	210.3	54.3	41.4	42.2	41.8	36.8
70°	1368.1	1311.7	1281.6	1237.7	1033.9	147.2	44.7	42.0	45.8	44.5	37.4
72.5°	1073.8	1031.2	985.4	954.9	809.4	93.0	37.6	42.4	47.2	45.2	39.1
75°	399.7	411.2	392.4	385.7	411.2	54.6	33.4	39.5	42.2	39.1	35.5
77.5°	80.7	77.1	73.2	72.3	93.4	33.7	30.7	34.3	32.4	28.6	28.8
80°	38.7	37.6	36.4	36.2	34.7	28.0	28.4	29.3	24.5	22.2	23.6
82.5°	25.7	24.2	23.8	23.0	23.4	25.1	27.0	25.1	18.8	17.6	21.3
85°	11.9	11.5	11.3	11.3	12.5	22.6	22.4	18.4	13.0	12.5	21.3
87.5°	2.9	2.9	3.1	2.9	3.3	6.7	5.9	5.6	4.8	5.4	10.0
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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	165°	175°	180°
0°	199.4	199.4	199.4
2.5°	200.9	201.1	200.9
5°	202.8	202.8	202.8
7.5°	202.8	202.1	201.9
10°	199.8	198.0	198.0
12.5°	194.8	191.7	191.3
15°	185.4	181.2	180.6
17.5°	173.5	167.9	166.8
20°	160.1	153.0	151.8
22.5°	145.5	137.3	136.7
25°	131.1	122.7	121.0
27.5°	115.0	106.8	106.0
30°	98.9	91.8	91.3
32.5°	85.3	80.9	80.1
35°	75.7	73.2	72.1
37.5°	69.4	67.5	67.3
40°	64.6	62.9	62.7
42.5°	60.6	59.2	58.9
45°	56.6	55.4	55.0
47.5°	52.7	51.4	51.2
50°	49.1	47.5	47.2
52.5°	45.8	44.1	43.7
55°	42.6	41.0	41.0
57.5°	39.9	38.3	38.0
60°	37.4	35.7	35.5
62.5°	35.5	33.4	33.2
65°	34.1	32.0	31.6
67.5°	33.2	30.7	30.1
70°	34.7	30.1	29.1
72.5°	34.9	29.5	28.0
75°	33.7	27.8	26.8
77.5°	29.5	24.9	23.8
80°	25.5	19.2	17.8
82.5°	24.2	15.7	13.6
85°	18.8	10.2	9.6
87.5°	10.7	5.6	4.6
90°	0.0	0.0	0.0

(END OF REPORT)