

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: P180656

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180656
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: ICM-E01-LED-E1-SL3-8030
Description: ICON SITE MEDIUM 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: 2383.7 lumens
Efficiency: N/A
Efficacy: 96.5 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

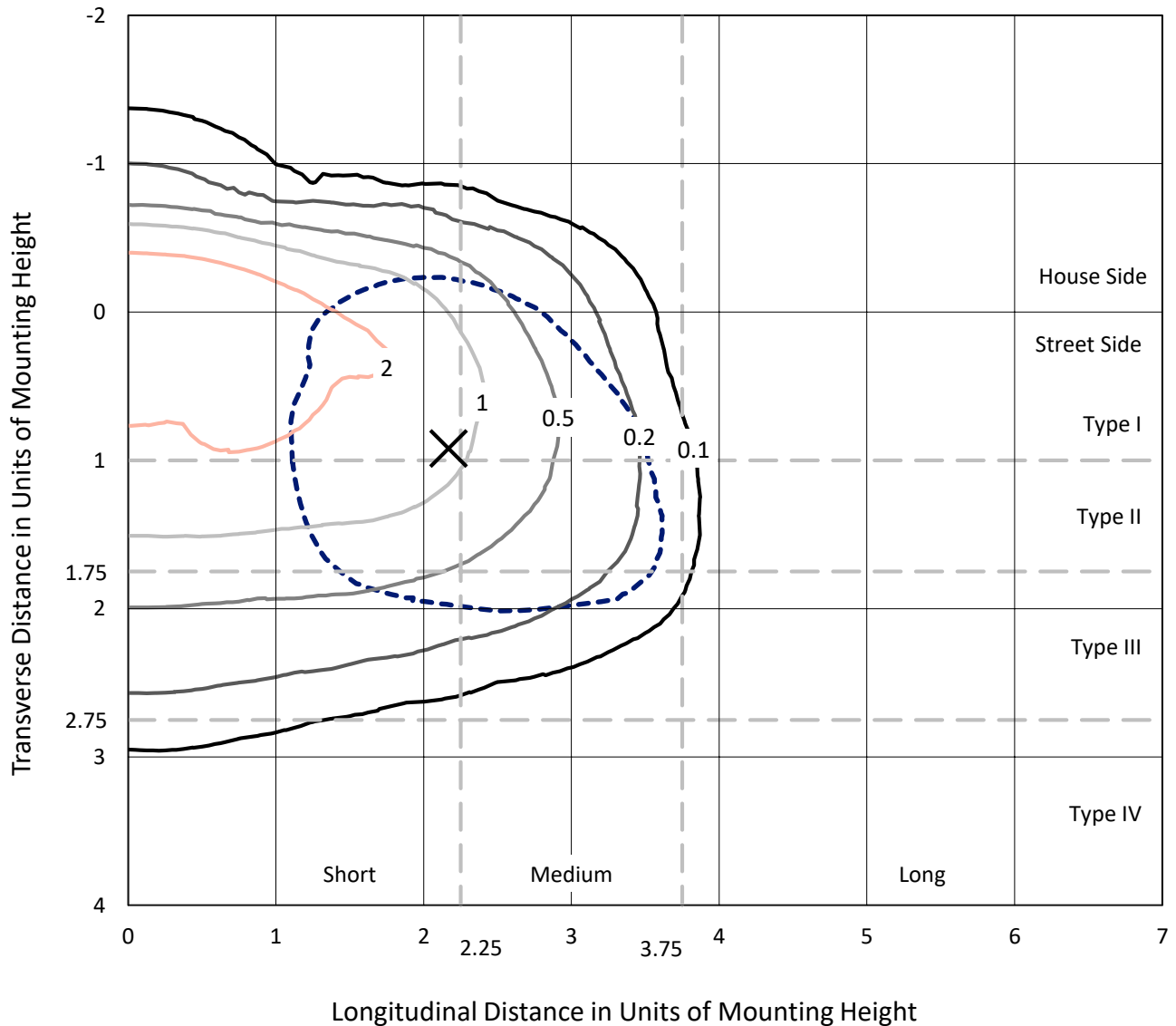
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

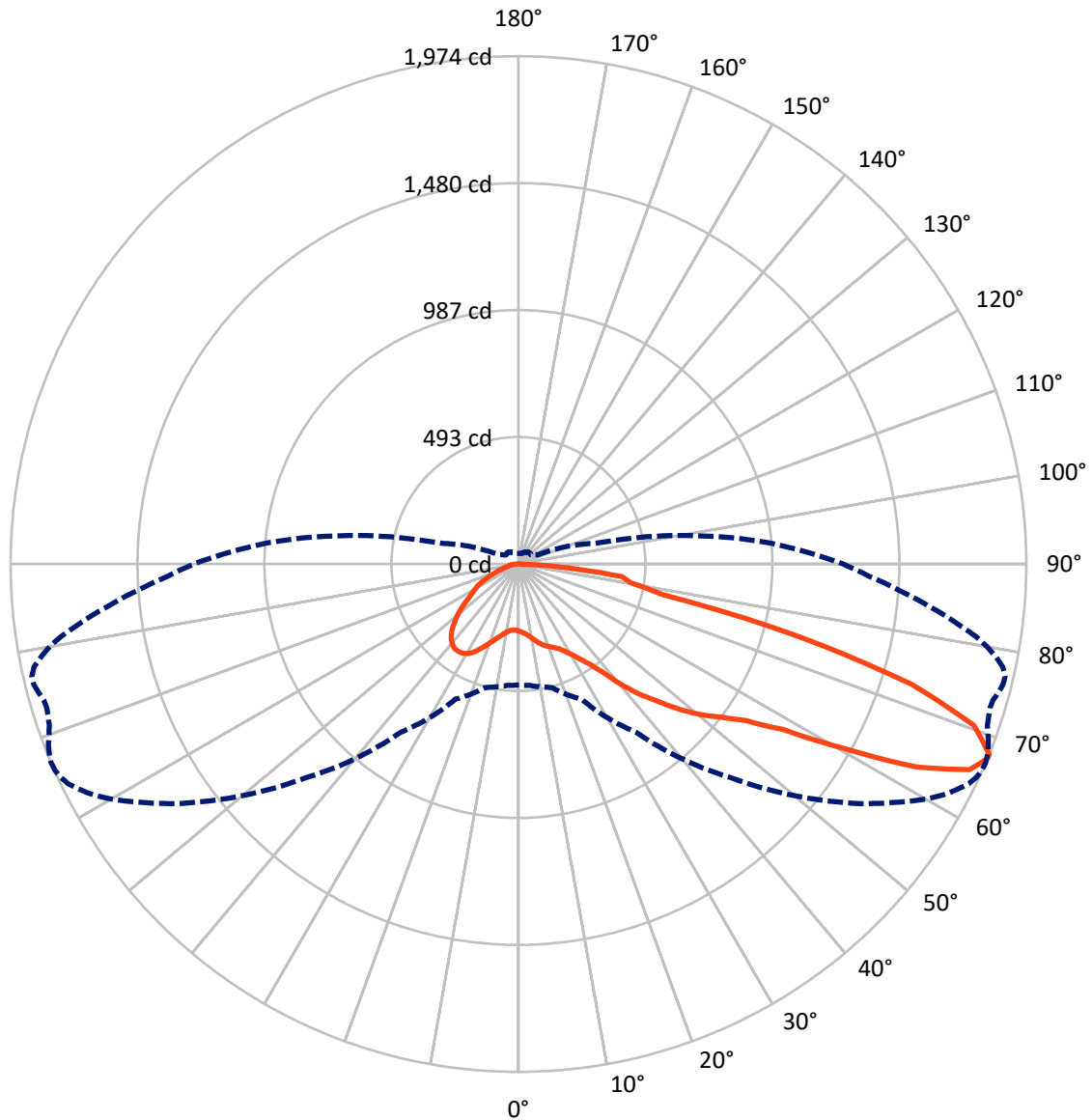
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 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	550.1	0.0	550.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1833.7	0.0	1833.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	2383.7	0.0	2383.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.1
10°-20°	88.9	3.7
20°-30°	157.0	6.6
30°-40°	225.3	9.5
40°-50°	342.2	14.4
50°-60°	503.8	21.1
60°-70°	669.6	28.1
70°-80°	327.6	13.7
80°-90°	43.5	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°	2383.7	100.0
0°-180°	2383.7	100.0



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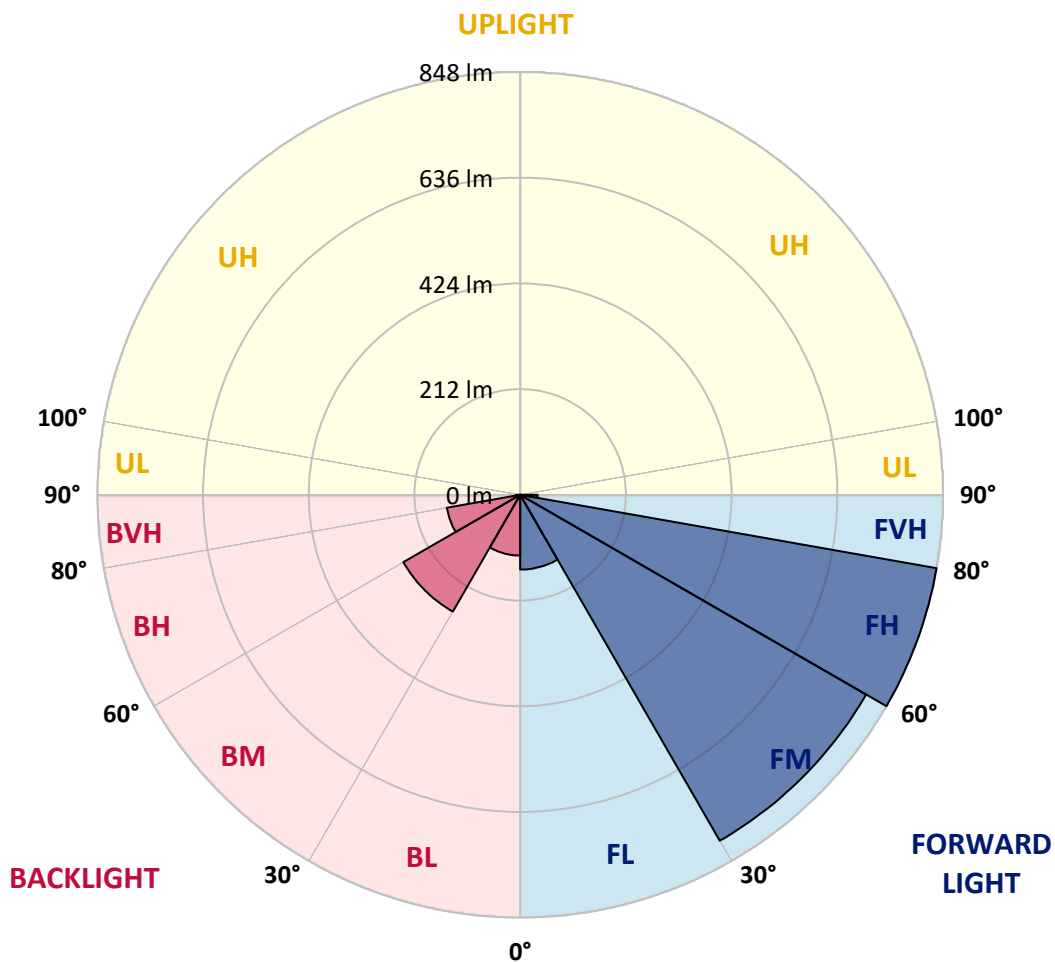
CATALOG NUMBER: ICM-E01-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.0	6.3			
FM	(30°-60°)	800.9	33.6			
FH	(60°-80°)	847.9	35.6			G1/1800
FVH	(80°-90°)	34.9	1.5			G1/100
BL	(0°-30°)	121.8	5.1	B1/500		
BM	(30°-60°)	270.4	11.3	B1/1000		
BH	(60°-80°)	149.2	6.3	B1/500		G1/500
BVH	(80°-90°)	8.6	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°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	272.7	272.9	272.5	272.2	270.6	269.0	268.0	266.7	266.7	266.7	266.1
5°	288.1	287.1	287.9	286.0	282.9	280.0	277.1	274.8	274.2	274.2	273.2
7.5°	306.7	305.4	304.8	302.2	297.6	293.4	287.6	285.3	283.9	283.4	282.9
10°	329.2	329.2	325.9	321.4	315.1	307.7	301.5	297.3	297.0	297.0	294.7
12.5°	352.3	352.7	348.4	343.9	333.7	324.0	316.7	311.9	311.7	310.6	309.3
15°	373.5	372.2	369.3	362.7	351.4	339.9	330.8	326.0	325.0	324.0	323.2
17.5°	391.0	389.7	386.0	377.7	365.9	352.3	341.0	336.0	335.5	335.0	334.0
20°	402.0	400.9	395.7	386.0	373.7	359.8	347.8	344.4	343.4	343.4	342.8
22.5°	408.3	406.7	399.1	386.2	374.2	364.0	354.0	352.0	351.2	351.4	351.4
25°	411.4	410.0	399.4	381.0	369.5	366.6	362.4	361.1	361.4	361.7	362.2
27.5°	411.9	410.0	397.5	374.2	363.5	371.6	374.5	376.6	376.6	377.7	379.4
30°	408.0	405.9	393.9	369.0	360.9	381.6	393.1	398.6	400.7	400.2	404.4
32.5°	401.2	399.9	390.2	369.0	368.2	401.2	421.6	429.5	430.5	431.1	435.7
35°	398.8	398.6	394.4	381.6	391.0	435.7	466.9	472.9	474.2	474.2	477.6
37.5°	398.3	399.6	404.4	405.1	431.1	487.1	527.8	537.0	537.0	539.6	539.6
40°	398.3	401.2	419.0	440.2	480.0	553.8	610.3	620.7	620.7	623.6	622.1
42.5°	413.8	418.0	447.3	487.5	541.8	622.6	687.5	699.3	700.1	699.3	701.6
45°	444.1	447.8	483.4	541.2	605.3	696.4	761.3	775.4	772.6	774.4	775.2
47.5°	484.4	490.1	530.7	599.8	667.4	764.7	844.0	856.8	855.8	856.6	853.1
50°	527.4	533.4	578.6	658.0	729.1	819.6	910.4	929.6	927.7	929.0	930.9
52.5°	565.3	568.9	612.7	701.6	775.9	871.0	961.5	985.3	989.5	990.1	991.4
55°	587.8	592.3	632.3	723.4	810.0	921.2	1019.8	1056.0	1064.1	1066.1	1071.9
57.5°	595.6	600.4	636.7	726.5	828.6	968.3	1101.2	1164.8	1171.6	1182.9	1201.2
60°	595.4	600.4	632.0	719.4	847.4	1026.7	1227.9	1334.4	1368.9	1380.5	1406.7
62.5°	571.1	576.8	609.0	698.0	871.4	1101.2	1416.4	1580.2	1624.7	1645.6	1673.9
65°	517.7	521.9	551.9	643.5	864.7	1174.8	1573.9	1778.2	1818.8	1849.5	1900.0
67°	470.3	472.9	496.5	579.2	798.2	1177.4	1623.6	1827.5	1862.8	1895.3	1947.4
67.5°	458.2	463.7	482.0	559.5	773.3	1162.5	1620.2	1819.9	1856.0	1889.8	1944.8
70°	372.9	380.7	390.0	442.0	607.9	978.0	1500.1	1688.5	1720.2	1751.5	1828.3
72.5°	230.0	244.2	246.0	279.0	395.7	676.0	1213.8	1423.9	1447.7	1470.2	1548.8
75°	135.5	137.7	144.2	170.9	232.1	404.1	814.4	1057.8	1079.8	1090.8	1152.3
77.5°	75.6	77.8	83.3	106.2	178.5	272.2	474.2	621.6	634.9	648.7	638.8
80°	31.4	34.3	36.9	42.9	83.4	214.9	326.0	395.2	403.8	411.9	422.1
82.5°	15.2	16.2	19.9	22.8	30.3	88.2	255.7	342.6	352.7	364.6	388.4
85°	7.1	7.8	11.0	13.1	14.7	22.2	85.6	166.7	180.8	183.4	188.2
87.5°	0.6	0.6	1.3	1.9	2.6	2.9	8.9	12.6	14.1	12.8	16.2
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°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	265.9	265.7	265.1	265.1	264.8	264.8	264.8	264.3	264.3	264.3	264.1
5°	272.9	272.7	271.9	271.9	271.4	271.4	270.6	270.3	269.9	269.9	269.6
7.5°	282.1	281.9	280.8	280.8	280.0	279.7	279.3	278.4	278.4	278.0	277.4
10°	294.7	293.9	293.7	292.3	292.6	292.1	291.5	290.8	290.2	289.7	289.2
12.5°	308.8	308.8	307.5	306.7	307.3	306.7	305.7	305.4	304.7	304.7	303.8
15°	322.1	322.1	321.7	320.6	320.8	320.1	319.8	319.3	318.2	318.5	318.2
17.5°	333.7	333.7	332.9	332.4	332.4	331.5	331.8	331.4	330.8	330.5	329.8
20°	342.8	342.8	342.3	341.8	342.0	342.0	341.3	341.3	341.3	340.7	340.7
22.5°	351.7	352.0	352.0	352.0	352.3	352.6	352.3	352.7	352.6	353.0	353.0
25°	363.5	364.3	364.8	364.8	366.1	366.4	366.6	367.4	367.4	368.2	368.5
27.5°	381.0	381.6	383.6	384.2	384.5	386.5	386.8	387.8	388.9	389.1	389.4
30°	405.1	406.4	408.0	409.0	409.0	411.6	412.7	412.2	415.1	415.8	416.9
32.5°	437.3	438.3	439.9	440.9	442.0	443.4	443.6	444.9	447.3	449.3	448.0
35°	477.9	480.5	477.9	480.7	481.5	483.4	482.9	484.4	485.5	486.2	486.0
37.5°	536.7	535.4	534.9	533.9	532.0	538.3	535.2	534.9	533.4	537.8	534.9
40°	614.2	615.0	615.8	611.6	609.2	609.2	608.5	605.6	604.3	608.2	607.6
42.5°	695.1	695.9	692.2	689.6	683.5	682.8	679.2	678.3	677.0	679.2	677.0
45°	768.7	769.1	761.0	762.3	757.7	758.4	752.7	755.0	751.9	754.0	757.9
47.5°	850.8	851.8	844.7	847.6	843.0	840.1	839.8	841.4	838.0	840.1	841.1
50°	925.4	924.1	920.4	921.2	919.1	919.6	916.5	919.4	915.4	919.6	919.1
52.5°	991.6	990.1	989.2	991.8	990.1	990.1	988.2	989.5	990.1	996.3	997.6
55°	1071.9	1073.2	1074.5	1079.3	1081.4	1078.0	1081.4	1087.9	1088.2	1103.1	1111.2
57.5°	1200.9	1210.1	1214.8	1217.7	1230.1	1228.7	1236.6	1252.3	1253.9	1288.4	1308.6
60°	1426.1	1442.2	1457.7	1449.3	1474.1	1481.8	1486.5	1515.8	1524.9	1557.7	1575.2
62.5°	1710.2	1712.1	1736.1	1728.6	1742.7	1739.3	1745.0	1758.4	1770.4	1797.4	1813.9
65°	1908.6	1917.2	1926.7	1916.9	1916.8	1905.2	1897.9	1897.6	1904.9	1910.7	1929.0
67°	1962.5	1971.2	1973.5	1966.4	1956.2	1941.6	1928.0	1920.9	1916.2	1918.8	1930.3
67.5°	1962.0	1970.2	1972.9	1966.2	1952.0	1939.7	1925.3	1917.2	1911.0	1912.3	1922.0
70°	1850.5	1868.0	1877.5	1879.5	1877.7	1856.3	1844.0	1836.7	1831.4	1818.6	1817.8
72.5°	1567.8	1589.0	1596.4	1608.2	1613.4	1581.8	1568.4	1576.5	1558.1	1517.6	1519.5
75°	1151.3	1152.8	1128.2	1123.5	1106.0	1034.2	1012.8	993.1	961.8	912.8	866.8
77.5°	600.1	599.8	571.5	557.2	536.2	493.0	491.0	455.9	431.3	386.5	370.3
80°	426.3	433.1	442.5	447.3	439.9	423.2	400.2	375.3	346.8	318.8	285.3
82.5°	396.5	400.7	405.7	387.4	377.1	353.6	336.0	299.9	279.7	247.8	214.0
85°	192.8	205.7	195.7	184.3	180.3	141.0	136.4	113.9	103.3	85.0	79.3
87.5°	12.3	15.2	13.6	12.3	10.7	6.0	8.1	5.8	6.0	4.5	3.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	264.1	263.8	263.5	263.3	263.0	263.0	262.8	262.5	262.2	261.7	261.7
5°	269.0	269.0	268.7	268.3	268.3	267.7	267.0	266.7	266.7	266.1	265.7
7.5°	277.1	276.8	276.4	276.1	275.5	275.1	274.5	274.0	273.8	272.9	272.7
10°	289.5	288.9	287.6	287.1	286.8	286.3	285.8	285.3	284.5	283.9	283.7
12.5°	303.4	303.1	302.0	302.5	301.2	300.7	300.2	298.9	299.4	298.3	297.9
15°	317.2	317.5	316.9	316.9	315.9	315.1	314.6	313.5	313.3	312.7	312.2
17.5°	329.5	330.0	329.2	328.7	328.2	327.6	326.6	325.6	325.6	324.5	324.0
20°	340.7	341.3	341.0	340.5	339.7	339.4	338.9	338.1	338.1	337.6	336.8
22.5°	353.6	353.9	353.9	353.6	352.7	353.0	352.6	351.7	352.0	351.0	351.0
25°	369.0	369.5	370.0	370.3	369.8	370.0	369.5	369.0	368.7	369.0	368.7
27.5°	390.2	390.7	392.3	391.0	392.3	392.6	391.8	390.7	391.5	392.8	392.0
30°	418.2	417.7	419.8	420.0	419.8	420.0	419.5	418.7	419.3	421.6	420.3
32.5°	449.6	450.7	451.2	451.7	452.5	453.5	452.7	452.0	453.3	452.5	454.3
35°	487.5	490.0	490.7	490.0	490.4	492.3	492.0	492.3	494.9	492.3	495.6
37.5°	535.4	537.8	539.6	538.6	539.9	539.9	542.0	547.7	544.1	548.7	552.5
40°	605.0	608.7	609.0	608.7	610.1	611.6	613.7	620.0	615.8	620.7	624.2
42.5°	676.7	681.2	682.8	680.2	683.1	686.4	686.7	692.2	692.5	693.2	695.1
45°	757.7	761.6	764.7	763.4	763.6	768.1	767.1	772.3	768.4	768.4	769.4
47.5°	843.7	847.4	849.5	851.5	848.9	852.9	854.7	853.7	848.9	847.9	841.7
50°	922.2	925.4	928.6	934.2	934.1	935.8	937.1	932.5	931.4	925.7	918.6
52.5°	1005.5	1013.6	1020.7	1032.7	1034.5	1040.8	1038.4	1030.6	1029.3	1019.8	1010.4
55°	1121.4	1144.7	1154.9	1173.5	1186.1	1185.8	1180.6	1179.3	1169.3	1150.4	1139.2
57.5°	1323.2	1359.5	1377.1	1401.1	1405.1	1402.7	1395.9	1383.9	1366.6	1335.0	1314.5
60°	1614.4	1636.9	1657.4	1663.2	1666.0	1661.6	1637.8	1611.1	1577.3	1533.6	1497.2
62.5°	1834.5	1857.6	1872.8	1870.4	1852.4	1829.6	1794.8	1750.1	1702.6	1653.7	1599.3
65°	1946.5	1956.2	1953.9	1935.5	1904.7	1864.9	1814.2	1758.9	1703.2	1645.3	1588.8
67°	1940.6	1940.8	1924.8	1889.2	1849.7	1799.7	1737.7	1677.5	1612.1	1551.4	1484.1
67.5°	1929.8	1928.8	1906.5	1867.5	1824.8	1773.3	1708.9	1646.6	1578.9	1517.6	1448.0
70°	1808.4	1793.7	1743.5	1681.2	1621.8	1552.2	1484.7	1413.2	1336.8	1284.2	1204.1
72.5°	1486.0	1436.5	1349.9	1284.8	1221.1	1130.1	1087.9	999.2	945.5	912.0	851.5
75°	860.5	819.2	752.1	691.2	660.3	606.3	580.7	515.5	502.0	501.4	480.5
77.5°	328.5	286.6	243.4	196.0	166.7	132.5	116.7	104.5	95.0	101.6	92.1
80°	246.2	202.5	158.3	115.2	82.1	60.7	52.1	48.2	45.8	44.0	42.7
82.5°	183.4	144.7	112.3	73.3	51.3	38.7	33.5	31.4	30.3	28.6	27.0
85°	62.0	49.8	39.3	27.3	21.5	17.5	16.2	15.7	14.9	13.6	12.8
87.5°	3.4	3.2	3.4	2.6	3.2	2.6	2.9	2.9	2.9	2.6	2.6
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4	260.4
2.5°	261.4	261.4	261.4	260.9	260.1	258.6	257.0	255.7	254.4	253.6	253.0
5°	265.4	264.8	264.6	264.3	262.5	259.4	256.5	253.9	251.3	249.1	248.4
7.5°	272.5	271.4	271.2	270.3	268.0	263.3	259.1	254.9	251.3	248.4	247.1
10°	283.2	283.2	281.6	280.6	278.0	271.6	265.7	260.1	255.2	252.0	251.3
12.5°	296.7	296.7	295.4	294.7	291.5	283.4	276.1	269.6	264.8	261.7	261.4
15°	310.9	310.6	309.6	308.6	305.1	296.5	289.2	283.4	279.5	275.8	274.8
17.5°	323.4	323.4	322.1	321.1	317.7	310.4	303.8	299.6	295.2	287.6	281.9
20°	336.0	336.3	335.3	334.2	331.4	325.0	322.1	318.0	308.0	291.5	278.0
22.5°	349.9	351.0	349.7	348.6	346.2	343.6	342.6	332.7	311.7	285.3	265.4
25°	367.7	369.5	368.0	367.4	366.1	366.9	363.7	340.7	306.4	271.6	246.8
27.5°	392.0	392.0	392.3	392.3	391.8	394.6	383.2	341.0	295.0	254.1	224.6
30°	420.6	422.1	421.6	421.6	423.7	425.5	393.9	335.3	280.3	232.4	197.3
32.5°	454.9	456.2	456.7	454.3	462.7	453.3	397.8	324.7	262.2	205.4	164.8
35°	496.2	498.0	499.4	499.6	505.1	477.3	395.7	309.3	236.3	171.7	129.3
37.5°	550.1	553.8	556.7	558.0	558.2	497.8	390.0	288.9	202.5	134.0	96.3
40°	621.8	625.8	624.9	627.5	612.7	509.8	376.8	259.4	160.7	98.4	74.3
42.5°	690.9	691.4	692.5	690.1	659.7	516.1	358.5	223.3	120.4	73.6	63.6
45°	768.1	763.6	758.7	755.0	703.2	518.4	333.4	179.3	85.0	61.8	58.9
47.5°	840.6	834.6	824.4	813.9	742.0	514.8	301.2	134.2	64.7	56.6	55.7
50°	911.8	900.6	886.1	874.1	779.1	509.3	265.7	96.8	56.6	54.0	53.1
52.5°	1000.0	981.1	962.3	946.6	827.5	500.7	228.2	73.6	53.1	51.8	50.8
55°	1120.8	1094.7	1064.4	1042.3	893.2	487.5	188.9	62.3	51.5	50.5	48.9
57.5°	1288.4	1249.1	1214.8	1179.0	983.0	474.2	155.2	57.9	51.3	49.8	47.6
60°	1459.5	1412.4	1368.8	1317.4	1074.5	460.8	131.6	57.3	52.1	49.8	46.6
62.5°	1548.5	1499.8	1447.3	1395.2	1114.1	429.5	115.4	58.1	54.0	50.5	46.6
65°	1528.1	1468.7	1415.3	1362.1	1068.3	370.0	97.6	59.2	57.6	53.7	47.3
67°	1425.5	1363.5	1312.2	1261.4	966.2	309.9	83.7	60.2	61.5	57.3	48.9
67.5°	1389.4	1327.4	1276.8	1227.4	936.1	297.3	80.4	60.7	62.3	58.3	49.5
70°	1152.0	1106.5	1052.8	1014.6	757.9	220.1	66.0	61.8	67.0	64.4	51.8
72.5°	829.1	785.7	745.3	724.1	558.2	153.9	55.4	60.7	69.9	67.8	52.8
75°	440.7	438.0	423.4	433.9	345.5	100.5	48.9	56.7	66.7	62.0	49.2
77.5°	89.0	91.6	107.5	106.0	111.4	56.0	41.9	48.7	51.5	45.6	40.0
80°	41.4	40.6	39.8	40.3	39.5	35.8	34.0	38.2	35.8	29.3	26.7
82.5°	25.7	25.1	24.4	24.1	26.7	28.6	29.9	30.1	23.8	20.4	19.6
85°	12.3	12.3	12.0	12.6	15.7	23.3	25.1	22.2	16.0	14.7	13.9
87.5°	2.3	2.3	2.6	2.3	3.2	5.5	6.3	7.3	6.0	6.3	7.1
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):

	165°	175°	180°
0°	260.4	260.4	260.4
2.5°	252.6	252.0	252.0
5°	247.4	247.1	247.1
7.5°	246.0	246.2	246.0
10°	251.0	250.7	251.7
12.5°	262.0	262.8	262.5
15°	273.5	274.0	274.0
17.5°	276.8	275.1	274.8
20°	268.0	264.6	263.8
22.5°	251.3	244.9	245.2
25°	230.0	222.4	223.0
27.5°	205.4	197.3	197.0
30°	175.9	167.0	162.5
32.5°	140.3	129.6	129.6
35°	105.5	96.8	93.7
37.5°	80.1	75.1	73.6
40°	66.7	64.4	63.8
42.5°	60.7	59.9	59.6
45°	57.6	57.0	56.7
47.5°	54.7	54.4	54.1
50°	52.6	52.4	52.1
52.5°	50.8	50.2	50.0
55°	48.2	48.2	48.2
57.5°	46.6	46.6	46.3
60°	45.0	44.7	44.7
62.5°	43.7	43.2	43.4
65°	42.9	42.1	42.1
67°	42.4	40.8	40.8
67.5°	42.4	40.3	40.3
70°	41.6	38.2	37.7
72.5°	40.8	35.8	35.1
75°	38.7	34.0	33.2
77.5°	33.2	30.3	29.9
80°	25.7	22.2	22.8
82.5°	18.6	16.0	15.7
85°	13.3	11.5	11.5
87.5°	7.1	6.0	6.3
90°	0.0	0.0	0.0

(END OF REPORT)