

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: P181498

Luminaire Tested: **ICS-E03-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181498
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7605.5 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
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



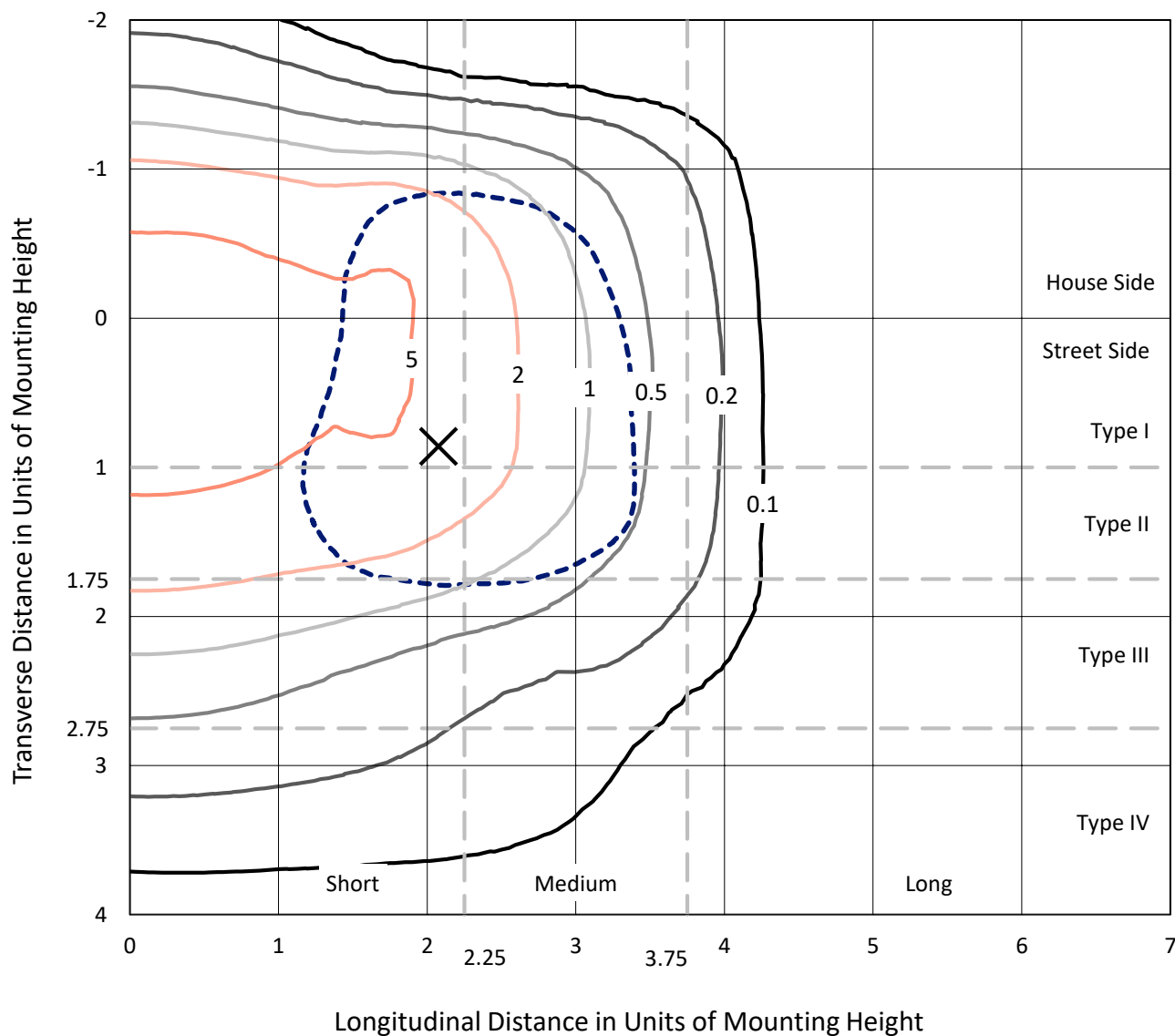
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CATALOG NUMBER: ICS-E03-LED-E1-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

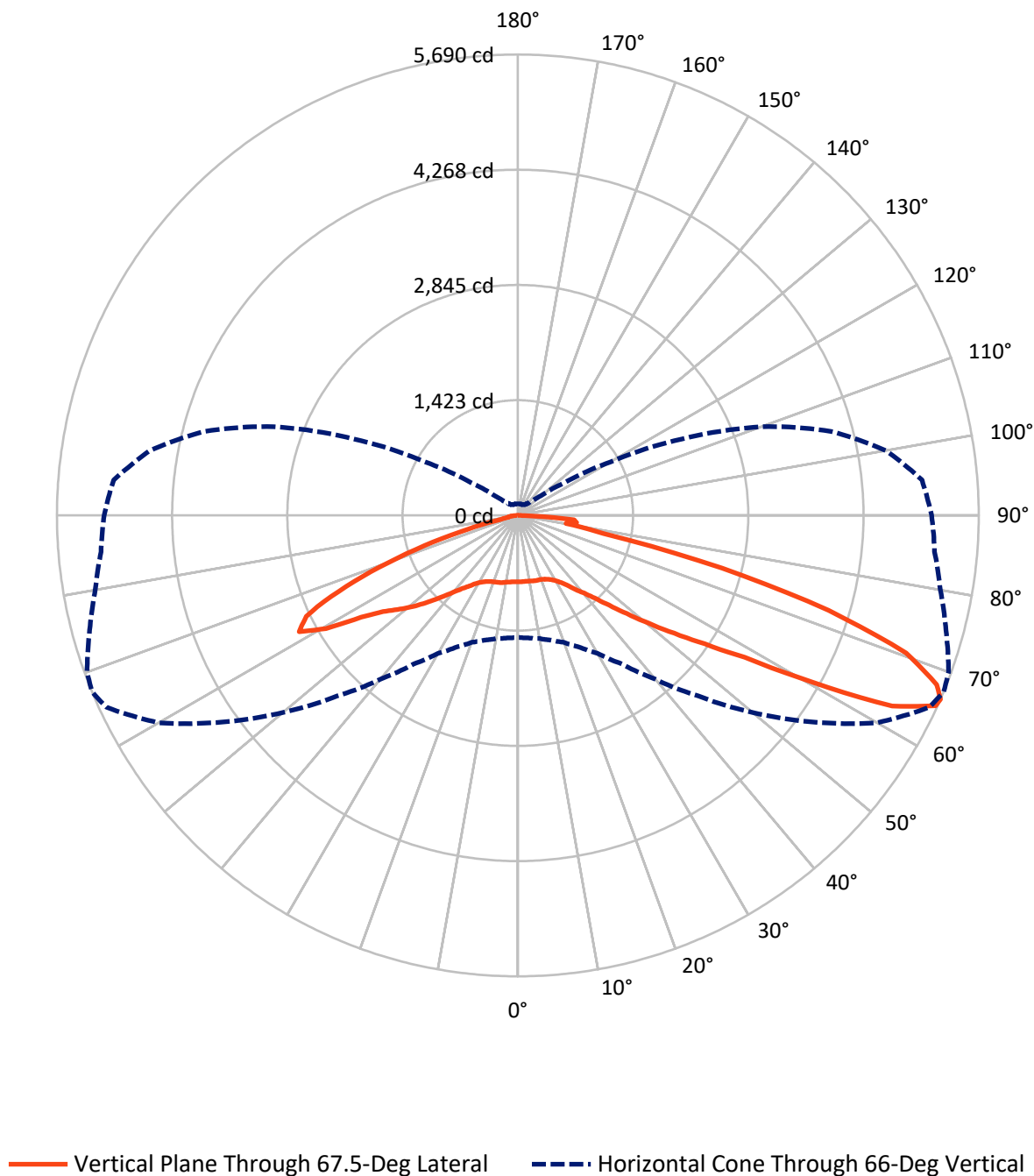


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2626.4	0.0	2626.4
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	4979.1	0.0	4979.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	7605.5	0.0	7605.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	1.0
10°-20°	231.7	3.0
20°-30°	398.2	5.2
30°-40°	646.5	8.5
40°-50°	1079.4	14.2
50°-60°	1699.6	22.3
60°-70°	2317.6	30.5
70°-80°	1003.3	13.2
80°-90°	150.9	2.0
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°	7605.5	100.0
0°-180°	7605.5	100.0

Coefficient of Utilization



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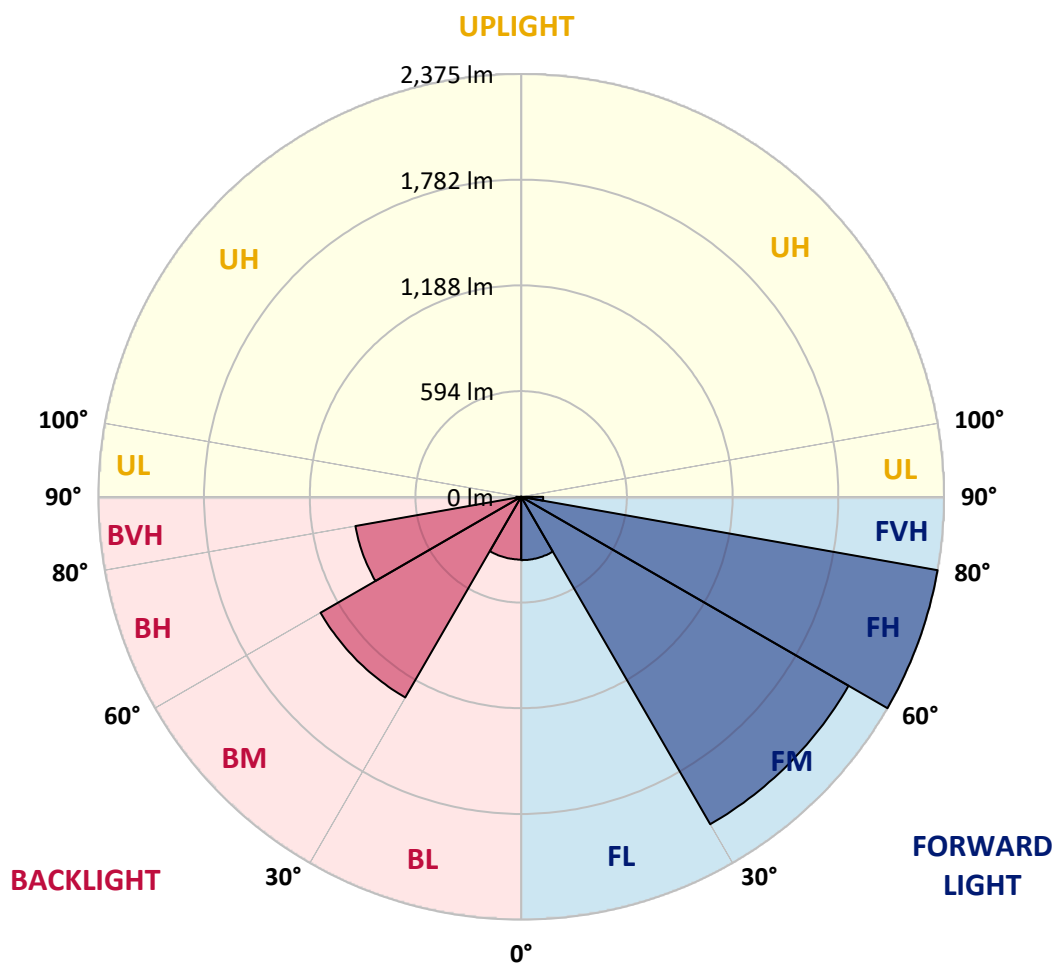
CATALOG NUMBER: ICS-E03-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.8	4.7			
FM	(30°-60°)	2124.0	27.9			
FH	(60°-80°)	2375.5	31.2			G2/5000
FVH	(80°-90°)	123.9	1.6			G2/225
BL	(0°-30°)	352.5	4.6	B1/500		
BM	(30°-60°)	1301.5	17.1	B2/2500		
BH	(60°-80°)	945.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	27.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6
2.5°	822.9	826.2	822.9	823.7	824.5	823.7	822.9	822.9	820.4	822.1	823.7
5°	819.6	822.1	821.2	822.1	822.9	822.1	821.2	822.1	820.4	821.2	823.7
7.5°	815.5	814.7	815.5	817.1	818.8	818.8	818.8	819.6	818.8	818.8	821.2
10°	803.2	804.0	805.6	808.1	808.9	811.4	811.4	813.8	814.7	816.3	819.6
12.5°	787.5	788.4	790.0	791.6	795.8	799.9	799.9	805.6	808.1	812.2	817.9
15°	776.0	776.8	778.5	780.1	783.4	787.5	790.0	796.6	800.7	808.1	816.3
17.5°	782.6	781.8	783.4	784.2	784.2	787.5	787.5	792.5	797.4	804.0	814.7
20°	801.5	801.5	803.2	803.2	802.3	804.0	800.7	800.7	801.5	804.8	812.2
22.5°	820.4	819.6	822.9	824.5	825.3	827.8	824.5	823.7	819.6	817.1	819.6
25°	838.5	837.7	841.8	844.3	848.4	850.8	850.8	850.8	847.5	843.4	841.0
27.5°	866.5	866.5	870.6	873.0	876.3	881.2	883.7	883.7	884.5	878.8	874.7
30°	913.3	914.1	915.0	918.2	921.5	923.2	926.5	928.9	931.4	928.1	921.5
32.5°	969.2	964.3	964.3	969.2	973.3	978.3	979.9	983.2	988.1	985.6	984.8
35°	1035.8	1034.2	1032.5	1034.2	1039.1	1044.8	1051.4	1057.2	1053.9	1058.8	1056.3
37.5°	1134.4	1136.1	1136.9	1136.9	1136.1	1137.7	1141.0	1146.8	1145.1	1146.8	1150.1
40°	1297.2	1291.5	1285.7	1286.5	1278.3	1279.9	1266.8	1272.5	1273.4	1267.6	1270.1
42.5°	1460.0	1463.3	1465.7	1472.3	1466.6	1463.3	1450.9	1450.9	1444.4	1438.6	1437.0
45°	1635.9	1642.5	1643.3	1656.5	1651.5	1662.2	1671.2	1668.8	1658.1	1657.3	1645.8
47.5°	1776.5	1787.2	1798.7	1814.3	1826.6	1850.5	1878.4	1892.4	1900.6	1907.2	1894.0
50°	1881.7	1886.6	1916.2	1940.9	1968.0	2007.5	2046.1	2096.3	2136.5	2155.4	2173.5
52.5°	1938.4	1950.7	1982.8	2021.4	2069.1	2128.3	2190.8	2270.5	2339.6	2385.6	2426.7
55°	1950.7	1963.1	1999.2	2048.6	2113.5	2193.3	2282.9	2391.4	2495.0	2583.7	2670.1
57.5°	1916.2	1930.2	1968.8	2025.6	2102.0	2199.0	2311.6	2453.8	2596.9	2740.7	2868.2
60°	1852.9	1870.2	1905.5	1961.4	2046.1	2155.4	2290.3	2468.6	2669.2	2889.5	3133.7
62.5°	1748.5	1766.6	1799.5	1861.1	1948.3	2069.1	2225.3	2447.3	2730.9	3077.8	3511.0
65°	1580.8	1589.0	1629.3	1691.8	1769.1	1902.2	2074.1	2342.0	2711.2	3193.7	3790.5
66°	1505.2	1519.2	1543.8	1594.0	1668.0	1792.9	1965.5	2237.6	2636.3	3153.4	3783.1
67.5°	1386.8	1397.5	1413.9	1447.6	1492.9	1584.9	1748.5	2005.8	2407.8	2949.6	3626.1
70°	1121.3	1126.2	1148.4	1159.9	1175.5	1206.0	1265.2	1413.1	1726.3	2235.2	2926.5
72.5°	764.5	778.5	802.3	835.2	878.0	919.1	947.0	965.9	1033.3	1333.4	1949.9
75°	560.6	575.4	605.9	649.4	724.2	809.7	898.5	939.6	911.7	873.0	1085.9
77.5°	325.5	345.3	370.7	412.7	481.7	595.2	747.3	882.1	973.3	979.1	929.7
80°	137.3	139.8	155.4	176.7	219.5	299.2	417.6	611.6	813.8	950.3	982.4
82.5°	31.2	38.6	49.3	58.4	71.5	98.6	146.3	243.3	439.8	689.7	899.3
85°	11.5	11.5	15.6	23.0	26.3	29.6	38.6	61.7	105.2	194.0	404.5
87.5°	0.0	0.8	1.6	1.6	3.3	4.1	6.6	9.0	8.2	7.4	24.7
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6
2.5°	822.1	821.2	819.6	819.6	819.6	819.6	817.9	818.8	817.1	817.9	817.9
5°	821.2	821.2	820.4	818.8	819.6	819.6	820.4	818.8	818.8	819.6	818.8
7.5°	821.2	820.4	820.4	820.4	821.2	820.4	821.2	821.2	821.2	822.1	822.1
10°	821.2	821.2	822.9	823.7	823.7	824.5	827.0	827.0	827.8	828.6	830.3
12.5°	822.1	825.3	827.8	830.3	831.1	832.7	836.9	836.9	838.5	841.0	841.8
15°	822.9	827.8	832.7	834.4	836.0	839.3	843.4	845.1	847.5	850.0	851.7
17.5°	822.1	828.6	834.4	836.9	839.3	843.4	848.4	850.0	853.3	856.6	859.9
20°	821.2	830.3	839.3	842.6	845.9	851.7	858.2	862.3	865.6	870.6	873.8
22.5°	826.2	836.9	849.2	854.1	859.9	867.3	876.3	881.2	885.4	890.3	892.8
25°	841.8	850.0	864.8	873.0	880.4	892.8	905.1	910.8	915.8	919.9	920.7
27.5°	868.1	870.6	888.6	899.3	910.0	929.7	944.5	948.7	957.7	961.0	960.2
30°	910.8	906.7	921.5	938.0	953.6	980.7	998.8	1009.5	1017.7	1017.7	1011.1
32.5°	972.5	965.9	970.0	988.9	1007.0	1046.5	1067.9	1081.8	1087.6	1085.9	1072.0
35°	1053.1	1048.9	1046.5	1061.3	1090.1	1136.1	1164.0	1171.4	1180.5	1178.8	1160.7
37.5°	1148.4	1145.1	1145.1	1162.4	1190.3	1258.6	1289.0	1293.9	1293.1	1279.9	1246.2
40°	1261.0	1259.4	1252.0	1261.9	1285.7	1374.5	1415.6	1422.2	1413.1	1391.7	1352.3
42.5°	1423.0	1413.1	1390.1	1395.9	1413.9	1500.3	1553.7	1571.8	1562.7	1541.4	1477.2
45°	1634.3	1623.6	1584.9	1580.0	1589.9	1665.5	1734.5	1738.7	1737.0	1709.9	1634.3
47.5°	1882.5	1866.1	1825.0	1811.8	1808.5	1878.4	1945.0	1951.6	1947.5	1907.2	1806.1
50°	2151.3	2127.5	2100.4	2091.3	2078.2	2128.3	2195.7	2196.5	2180.1	2124.2	2029.7
52.5°	2438.2	2430.0	2425.1	2416.0	2410.3	2453.8	2495.0	2470.3	2445.6	2387.3	2305.1
55°	2727.6	2761.3	2795.8	2799.1	2809.0	2855.8	2855.0	2787.6	2769.5	2737.5	2656.1
57.5°	3035.0	3160.0	3268.5	3302.2	3335.1	3422.2	3414.0	3347.4	3324.4	3285.0	3217.5
60°	3453.5	3790.5	4103.7	4178.5	4230.3	4334.7	4324.9	4222.1	4269.8	4266.5	4179.4
62.5°	4039.6	4600.2	5069.6	5184.7	5220.9	5232.4	5169.9	5059.0	5105.8	5158.4	4890.4
65°	4436.7	5096.0	5577.7	5666.5	5671.4	5534.1	5395.2	5264.5	5253.0	5207.8	4824.7
66°	4445.7	5120.6	5604.0	5690.3	5659.9	5472.5	5296.5	5165.0	5108.3	5008.8	4611.8
67.5°	4286.2	4966.9	5487.3	5578.5	5511.9	5246.4	5003.9	4834.5	4723.6	4562.4	4212.2
70°	3599.8	4274.7	4915.9	5086.1	5107.5	4711.2	4375.0	4176.1	4026.4	3805.3	3503.6
72.5°	2676.6	3286.6	3852.2	4014.9	4098.0	3781.5	3497.9	3346.6	3141.9	2909.3	2694.7
75°	1677.8	2108.6	2487.6	2601.8	2523.7	2278.8	2108.6	2045.3	1843.9	1705.0	1607.1
77.5°	959.3	1094.2	1124.6	1081.0	988.9	757.1	538.4	398.7	346.1	383.1	422.5
80°	936.3	858.2	684.0	601.7	545.0	374.9	220.3	151.3	125.8	129.1	139.8
82.5°	1014.4	1088.4	896.0	730.8	613.3	414.3	228.5	121.7	82.2	97.0	109.3
85°	659.3	917.4	826.2	696.3	563.9	354.3	188.3	63.3	41.9	55.1	75.6
87.5°	66.6	73.2	62.5	84.7	63.3	29.6	14.8	9.0	8.2	9.9	14.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6	819.6
2.5°	818.8	818.8	819.6	820.4	821.2	822.1	822.1	822.1	822.1	823.7	822.9
5°	820.4	822.1	823.7	824.5	826.2	826.2	828.6	827.8	827.8	830.3	831.1
7.5°	823.7	826.2	829.5	828.6	831.9	831.1	832.7	832.7	830.3	831.1	829.5
10°	831.1	834.4	836.0	833.6	834.4	831.1	830.3	826.2	821.2	818.8	815.5
12.5°	843.4	846.7	846.7	842.6	837.7	830.3	824.5	815.5	808.1	804.0	799.9
15°	854.1	857.4	856.6	850.0	842.6	831.1	822.9	812.2	801.5	794.9	790.8
17.5°	862.3	864.0	861.5	852.5	844.3	833.6	825.3	813.8	801.5	793.3	785.9
20°	874.7	873.0	867.3	855.8	846.7	836.9	830.3	820.4	806.4	795.8	785.1
22.5°	892.8	886.2	875.5	863.2	854.1	845.1	838.5	827.8	813.8	800.7	788.4
25°	916.6	903.4	888.6	875.5	867.3	857.4	850.0	838.5	823.7	808.9	794.1
27.5°	951.1	928.1	909.2	897.7	888.6	876.3	867.3	852.5	836.9	819.6	803.2
30°	989.8	958.5	940.4	931.4	921.5	908.4	894.4	875.5	857.4	838.5	818.8
32.5°	1039.9	1002.1	984.8	975.8	962.6	946.2	929.7	908.4	882.9	858.2	834.4
35°	1105.7	1067.0	1048.9	1035.0	1016.9	995.5	971.7	942.9	908.4	875.5	845.1
37.5°	1176.4	1134.4	1117.2	1102.4	1075.3	1047.3	1013.6	971.7	924.8	881.2	843.4
40°	1266.0	1227.3	1205.1	1179.7	1147.6	1099.1	1046.5	985.6	925.6	872.2	827.8
42.5°	1379.4	1340.8	1307.9	1267.6	1211.7	1136.9	1062.1	983.2	910.8	850.0	802.3
45°	1529.9	1483.0	1426.3	1355.6	1265.2	1160.7	1062.9	967.6	882.9	815.5	764.5
47.5°	1714.0	1642.5	1549.6	1430.4	1300.5	1167.3	1049.8	936.3	839.3	766.2	709.4
50°	1932.7	1820.0	1667.1	1492.0	1318.6	1157.5	1016.9	889.5	777.7	699.6	632.2
52.5°	2182.6	1998.4	1773.2	1536.4	1317.8	1124.6	961.0	818.8	697.1	610.0	545.8
55°	2476.0	2202.3	1882.5	1569.3	1294.7	1063.7	875.5	719.3	597.6	517.1	457.9
57.5°	2906.0	2532.8	2073.2	1620.3	1248.7	970.0	759.6	600.1	493.2	416.8	366.6
60°	3691.9	3084.4	2416.9	1723.0	1178.0	832.7	623.9	472.7	383.1	321.4	287.7
62.5°	4283.8	3511.0	2602.6	1700.0	1035.8	663.4	462.8	344.4	282.0	240.0	218.7
65°	4199.1	3378.7	2404.5	1464.1	812.2	467.8	307.5	234.3	194.0	174.3	161.9
66°	4007.5	3206.0	2232.7	1317.8	702.0	388.8	253.2	196.5	166.9	152.9	144.7
67.5°	3644.2	2885.4	1925.3	1080.2	539.3	282.0	190.7	155.4	135.6	129.9	124.1
70°	3029.3	2300.9	1351.5	628.9	275.4	157.0	120.8	108.5	103.6	102.8	101.1
72.5°	2321.5	1628.5	795.8	297.6	143.0	104.4	93.7	89.6	88.0	88.0	88.8
75°	1423.0	915.0	351.8	145.5	100.3	88.0	83.0	81.4	80.6	81.4	80.6
77.5°	475.2	291.0	150.4	110.2	91.2	81.4	78.1	76.5	76.5	76.5	76.5
80°	145.5	126.6	115.1	101.9	86.3	77.3	72.3	71.5	72.3	73.2	70.7
82.5°	109.3	103.6	97.0	90.4	78.1	69.1	67.4	67.4	67.4	64.9	61.7
85°	80.6	79.7	65.8	61.7	57.5	57.5	57.5	57.5	55.1	51.0	47.7
87.5°	14.8	14.0	14.8	15.6	23.0	24.7	24.7	26.3	28.8	27.1	27.1
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):

	160°	165°	170°	175°	180°
0°	819.6	819.6	819.6	819.6	819.6
2.5°	822.9	822.1	824.5	822.9	823.7
5°	830.3	829.5	831.1	829.5	831.9
7.5°	827.8	826.2	825.3	826.2	827.0
10°	810.6	808.9	808.1	807.3	808.1
12.5°	795.8	792.5	792.5	790.8	791.6
15°	785.1	782.6	781.8	780.1	781.0
17.5°	780.1	776.0	774.4	772.7	772.7
20°	776.8	771.9	769.4	767.8	767.0
22.5°	776.8	769.4	766.2	764.5	763.7
25°	780.1	771.1	766.2	763.7	762.9
27.5°	786.7	775.2	769.4	766.2	766.2
30°	798.2	783.4	775.2	771.1	770.3
32.5°	809.7	790.0	778.5	773.6	771.9
35°	815.5	790.0	776.0	767.8	766.2
37.5°	808.9	779.3	762.0	749.7	747.3
40°	788.4	757.1	738.2	726.7	725.1
42.5°	761.2	730.8	708.6	700.4	697.9
45°	724.2	688.1	665.9	654.4	655.2
47.5°	660.9	623.9	604.2	593.5	595.2
50°	586.1	550.0	532.7	521.2	523.7
52.5°	503.9	471.0	454.6	448.8	447.2
55°	417.6	392.1	380.6	374.0	371.6
57.5°	338.7	320.6	312.4	304.2	305.0
60°	267.2	258.1	255.7	246.6	245.8
62.5°	210.4	204.7	202.2	195.7	196.5
65°	159.5	157.8	159.5	155.4	157.0
66°	143.9	144.7	144.7	142.2	143.9
67.5°	124.1	125.8	128.2	125.8	127.4
70°	102.8	104.4	106.0	106.0	106.0
72.5°	89.6	91.2	92.1	92.1	92.1
75°	82.2	83.0	83.9	82.2	82.2
77.5°	77.3	77.3	75.6	74.8	74.0
80°	69.9	69.1	66.6	64.9	64.9
82.5°	58.4	56.7	55.1	52.6	52.6
85°	44.4	42.7	41.1	37.8	36.2
87.5°	23.0	23.8	23.0	18.9	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)