

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: P155374

Luminaire Tested: **VXM-F03-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155374
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: VXM-F03-LED-E1-T3-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6975.8 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 78.3
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



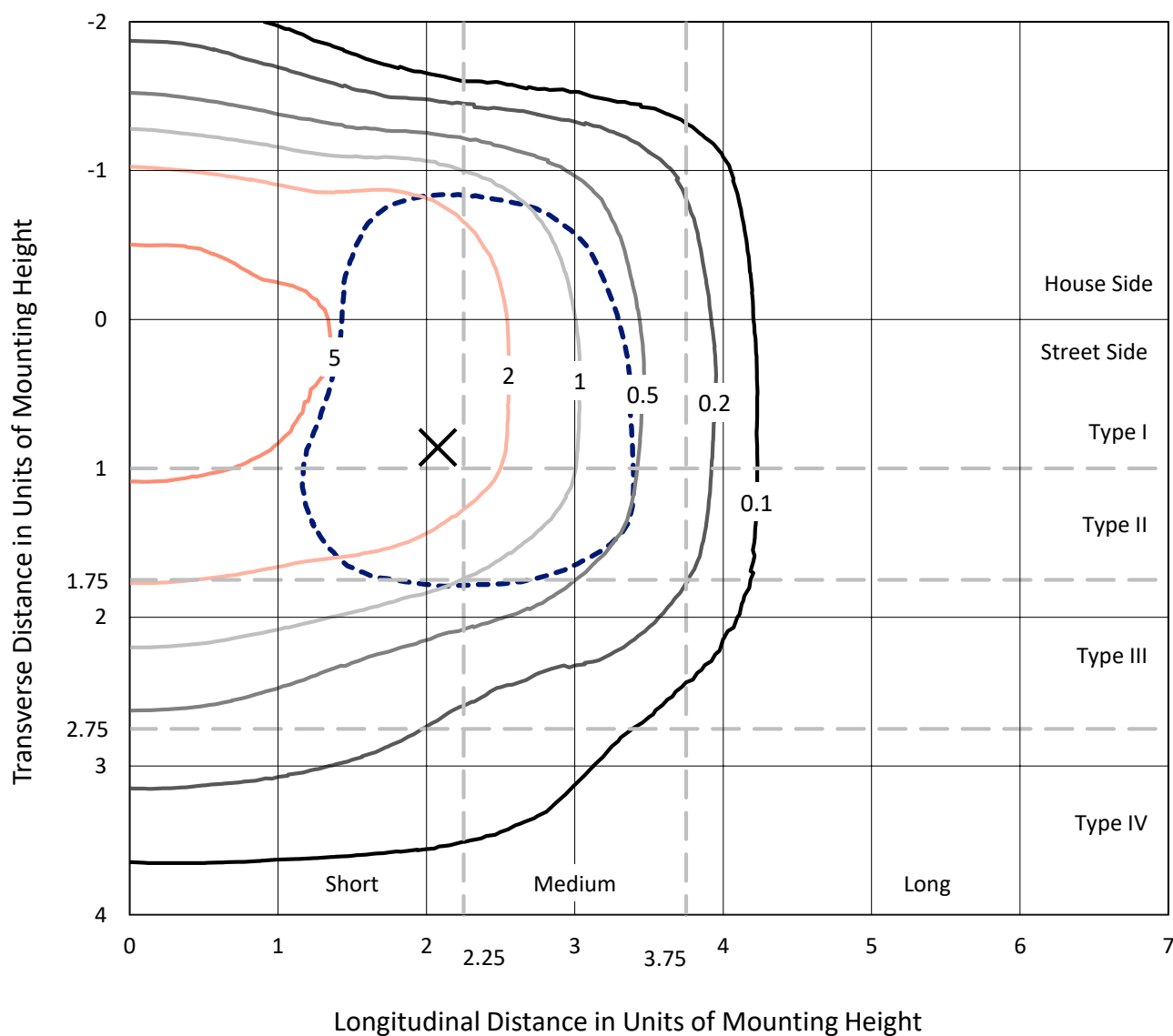
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

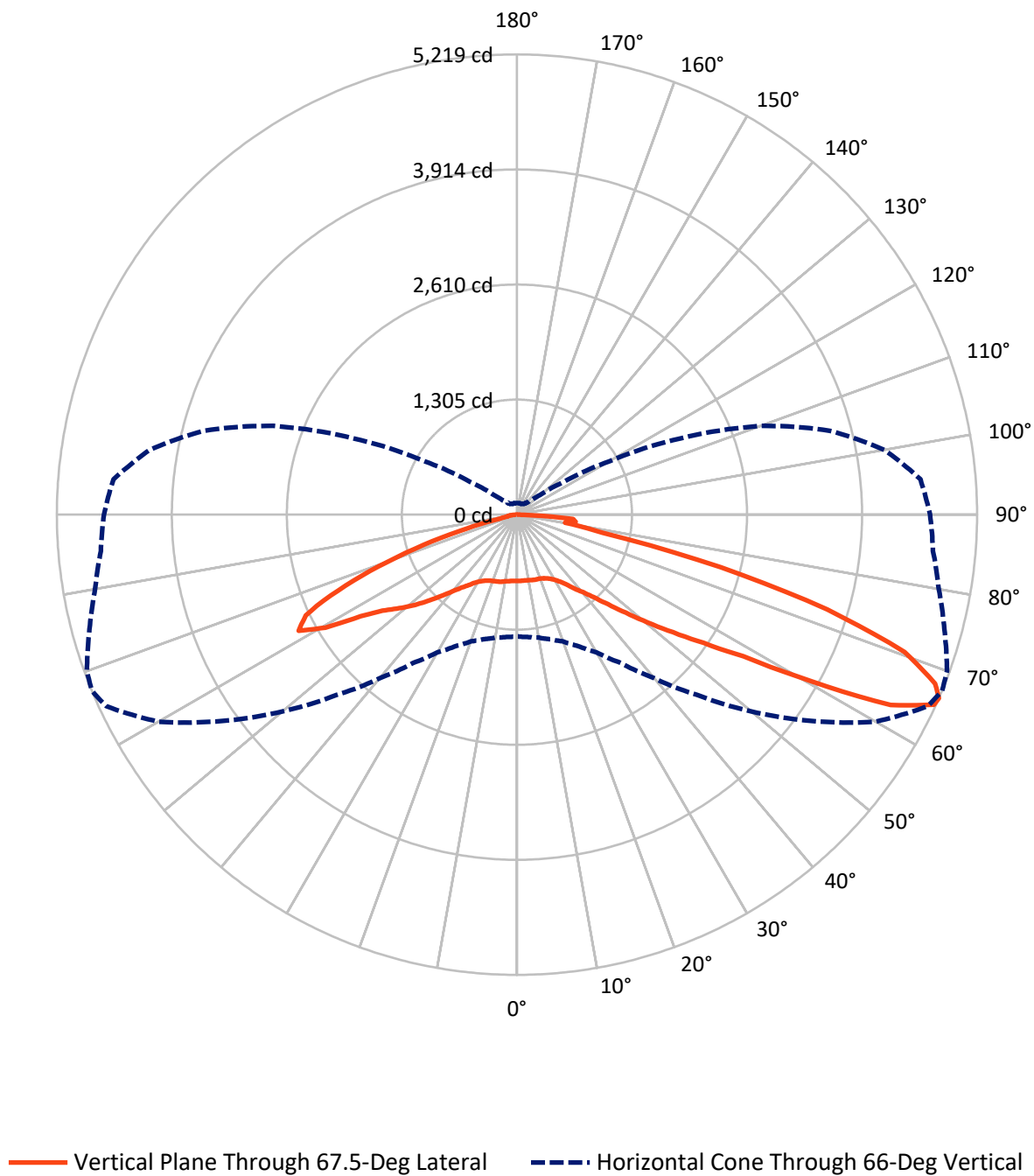


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2409.0	0.0	2409.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	4566.8	0.0	4566.8
	% Fixture	65.5	0.0	65.5
Total	Lumens	6975.8	0.0	6975.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.0
10°-20°	212.5	3.0
20°-30°	365.2	5.2
30°-40°	593.0	8.5
40°-50°	990.0	14.2
50°-60°	1558.9	22.3
60°-70°	2125.7	30.5
70°-80°	920.2	13.2
80°-90°	138.4	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°	6975.8	100.0
0°-180°	6975.8	100.0

Coefficient of Utilization



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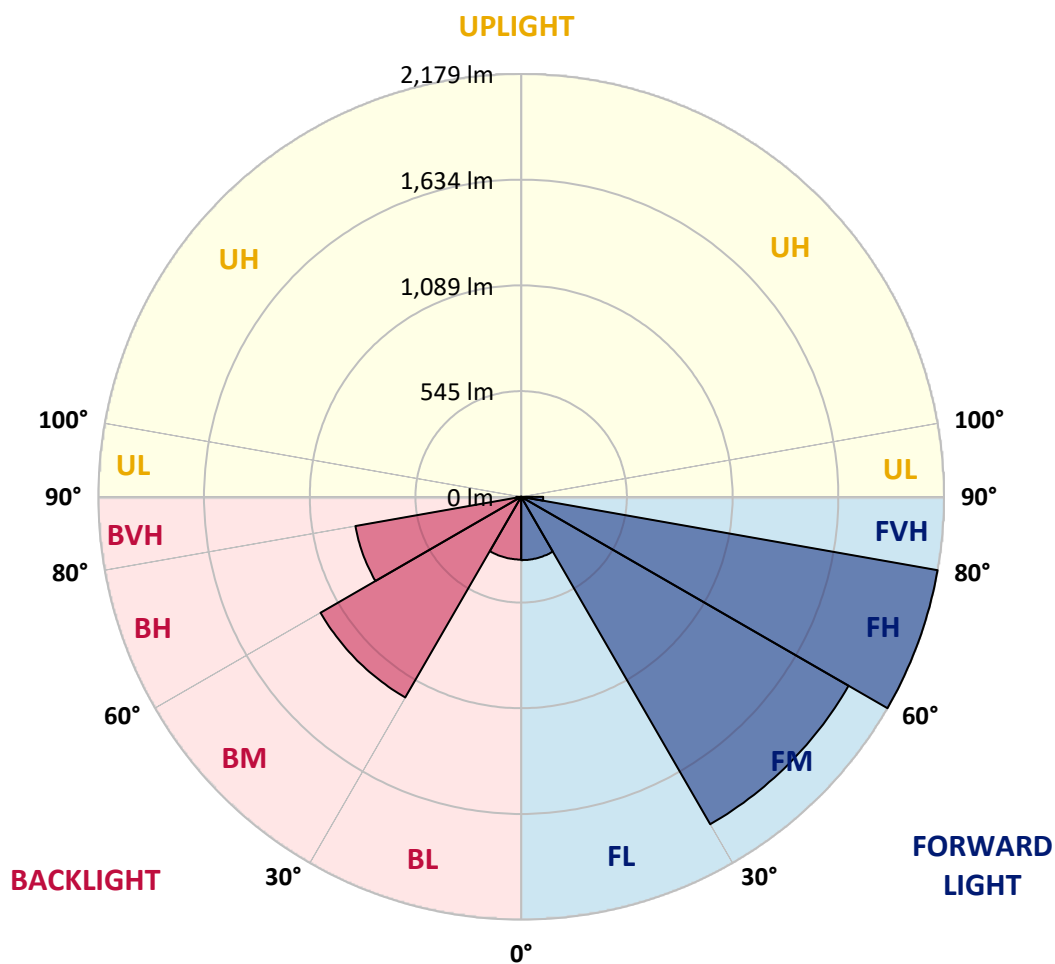
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.3	4.7			
FM	(30°-60°)	1948.1	27.9			
FH	(60°-80°)	2178.8	31.2			G2/5000
FVH	(80°-90°)	113.6	1.6			G2/225
BL	(0°-30°)	323.4	4.6	B1/500		
BM	(30°-60°)	1193.7	17.1	B2/2500		
BH	(60°-80°)	867.1	12.4	B2/1000		G2/1000
BVH	(80°-90°)	24.8	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°	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7
2.5°	754.7	757.8	754.7	755.5	756.3	755.5	754.7	754.7	752.5	754.0	755.5
5°	751.7	754.0	753.2	754.0	754.7	754.0	753.2	754.0	752.5	753.2	755.5
7.5°	748.0	747.2	748.0	749.5	751.0	751.0	751.0	751.7	751.0	751.0	753.2
10°	736.7	737.4	738.9	741.2	741.9	744.2	744.2	746.5	747.2	748.7	751.7
12.5°	722.3	723.1	724.6	726.1	729.9	733.6	733.6	738.9	741.2	744.9	750.2
15°	711.8	712.5	714.0	715.5	718.6	722.3	724.6	730.6	734.4	741.2	748.7
17.5°	717.8	717.0	718.6	719.3	719.3	722.3	722.3	726.8	731.4	737.4	747.2
20°	735.1	735.1	736.7	736.7	735.9	737.4	734.4	734.4	735.1	738.2	744.9
22.5°	752.5	751.7	754.7	756.3	757.0	759.3	756.3	755.5	751.7	749.5	751.7
25°	769.1	768.3	772.1	774.4	778.1	780.4	780.4	780.4	777.4	773.6	771.3
27.5°	794.7	794.7	798.5	800.7	803.8	808.3	810.5	810.5	811.3	806.0	802.2
30°	837.7	838.4	839.2	842.2	845.2	846.7	849.8	852.0	854.3	851.3	845.2
32.5°	889.0	884.4	884.4	889.0	892.7	897.3	898.8	901.8	906.3	904.0	903.3
35°	950.0	948.5	947.0	948.5	953.0	958.3	964.4	969.6	966.6	971.1	968.9
37.5°	1040.5	1042.0	1042.8	1042.8	1042.0	1043.5	1046.5	1051.8	1050.3	1051.8	1054.8
40°	1189.8	1184.5	1179.2	1180.0	1172.5	1174.0	1161.9	1167.2	1167.9	1162.7	1164.9
42.5°	1339.1	1342.1	1344.4	1350.4	1345.1	1342.1	1330.8	1330.8	1324.8	1319.5	1318.0
45°	1500.4	1506.5	1507.2	1519.3	1514.8	1524.6	1532.9	1530.6	1520.8	1520.1	1509.5
47.5°	1629.4	1639.2	1649.7	1664.1	1675.4	1697.2	1722.9	1735.7	1743.2	1749.3	1737.2
50°	1725.9	1730.4	1757.6	1780.2	1805.1	1841.3	1876.7	1922.7	1959.6	1977.0	1993.6
52.5°	1777.9	1789.2	1818.6	1854.1	1897.8	1952.1	2009.4	2082.5	2145.9	2188.1	2225.8
55°	1789.2	1800.5	1833.7	1879.0	1938.5	2011.7	2093.8	2193.4	2288.4	2369.8	2449.0
57.5°	1757.6	1770.4	1805.8	1857.8	1928.0	2016.9	2120.2	2250.7	2381.9	2513.8	2630.7
60°	1699.5	1715.3	1747.8	1799.0	1876.7	1977.0	2100.6	2264.2	2448.2	2650.3	2874.2
62.5°	1603.7	1620.3	1650.5	1707.0	1787.0	1897.8	2041.1	2244.6	2504.8	2823.0	3220.3
65°	1449.9	1457.5	1494.4	1551.7	1622.6	1744.7	1902.3	2148.1	2486.7	2929.3	3476.7
66°	1380.6	1393.4	1416.0	1462.0	1529.9	1644.5	1802.8	2052.4	2418.1	2892.3	3469.9
67.5°	1272.0	1281.8	1296.9	1327.8	1369.3	1453.7	1603.7	1839.7	2208.4	2705.3	3325.9
70°	1028.4	1033.0	1053.3	1063.9	1078.2	1106.1	1160.4	1296.1	1583.4	2050.1	2684.2
72.5°	701.2	714.0	735.9	766.1	805.3	843.0	868.6	885.9	947.8	1223.0	1788.5
75°	514.2	527.8	555.7	595.7	664.3	742.7	824.1	861.8	836.2	800.7	996.0
77.5°	298.6	316.7	340.1	378.5	441.8	545.9	685.4	809.0	892.7	898.0	852.8
80°	125.9	128.2	142.5	162.1	201.3	274.5	383.0	561.0	746.5	871.6	901.0
82.5°	28.7	35.4	45.2	53.5	65.6	90.5	134.2	223.2	403.4	632.6	824.9
85°	10.6	10.6	14.3	21.1	24.1	27.1	35.4	56.5	96.5	177.9	371.0
87.5°	0.0	0.8	1.5	1.5	3.0	3.8	6.0	8.3	7.5	6.8	22.6
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7
2.5°	754.0	753.2	751.7	751.7	751.7	751.7	750.2	751.0	749.5	750.2	750.2
5°	753.2	753.2	752.5	751.0	751.7	751.7	752.5	751.0	751.0	751.7	751.0
7.5°	753.2	752.5	752.5	752.5	753.2	752.5	753.2	753.2	753.2	754.0	754.0
10°	753.2	753.2	754.7	755.5	755.5	756.3	758.5	758.5	759.3	760.0	761.5
12.5°	754.0	757.0	759.3	761.5	762.3	763.8	767.6	767.6	769.1	771.3	772.1
15°	754.7	759.3	763.8	765.3	766.8	769.8	773.6	775.1	777.4	779.6	781.1
17.5°	754.0	760.0	765.3	767.6	769.8	773.6	778.1	779.6	782.6	785.7	788.7
20°	753.2	761.5	769.8	772.8	775.9	781.1	787.2	790.9	794.0	798.5	801.5
22.5°	757.8	767.6	778.9	783.4	788.7	795.5	803.8	808.3	812.1	816.6	818.8
25°	772.1	779.6	793.2	800.7	807.5	818.8	830.1	835.4	839.9	843.7	844.5
27.5°	796.2	798.5	815.1	824.9	834.7	852.8	866.3	870.1	878.4	881.4	880.7
30°	835.4	831.7	845.2	860.3	874.6	899.5	916.1	925.9	933.4	933.4	927.4
32.5°	892.0	885.9	889.7	907.1	923.6	959.8	979.4	992.3	997.5	996.0	983.2
35°	965.9	962.1	959.8	973.4	999.8	1042.0	1067.7	1074.4	1082.7	1081.2	1064.6
37.5°	1053.3	1050.3	1050.3	1066.1	1091.8	1154.4	1182.3	1186.8	1186.0	1174.0	1143.1
40°	1156.6	1155.1	1148.3	1157.4	1179.2	1260.7	1298.4	1304.4	1296.1	1276.5	1240.3
42.5°	1305.2	1296.1	1275.0	1280.3	1296.9	1376.0	1425.0	1441.6	1433.3	1413.7	1354.9
45°	1498.9	1489.1	1453.7	1449.2	1458.2	1527.6	1590.9	1594.7	1593.2	1568.3	1498.9
47.5°	1726.6	1711.6	1673.9	1661.8	1658.8	1722.9	1783.9	1790.0	1786.2	1749.3	1656.5
50°	1973.2	1951.3	1926.5	1918.2	1906.1	1952.1	2013.9	2014.7	1999.6	1948.3	1861.6
52.5°	2236.3	2228.8	2224.3	2216.0	2210.7	2250.7	2288.4	2265.8	2243.1	2189.6	2114.2
55°	2501.8	2532.7	2564.3	2567.3	2576.4	2619.4	2618.6	2556.8	2540.2	2510.8	2436.2
57.5°	2783.7	2898.4	2997.9	3028.8	3059.0	3138.9	3131.3	3070.3	3049.1	3013.0	2951.1
60°	3167.5	3476.7	3763.9	3832.5	3880.1	3975.8	3966.8	3872.5	3916.2	3913.2	3833.3
62.5°	3705.1	4219.3	4649.9	4755.4	4788.6	4799.2	4741.9	4640.1	4683.1	4731.3	4485.5
65°	4069.3	4674.0	5115.8	5197.3	5201.8	5075.9	4948.5	4828.6	4818.0	4776.5	4425.2
66°	4077.6	4696.6	5140.0	5219.1	5191.2	5019.3	4858.0	4737.3	4685.3	4594.1	4229.9
67.5°	3931.3	4555.6	5032.9	5116.6	5055.5	4812.0	4589.6	4434.2	4332.4	4184.7	3863.5
70°	3301.7	3920.8	4508.9	4665.0	4684.6	4321.1	4012.8	3830.3	3693.1	3490.2	3213.5
72.5°	2455.0	3014.5	3533.2	3682.5	3758.7	3468.4	3208.2	3069.5	2881.8	2668.4	2471.6
75°	1538.9	1934.0	2281.6	2386.4	2314.8	2090.1	1934.0	1875.9	1691.2	1563.8	1474.1
77.5°	879.9	1003.6	1031.5	991.5	907.1	694.4	493.9	365.7	317.4	351.4	387.6
80°	858.8	787.2	627.3	551.9	499.9	343.8	202.1	138.7	115.4	118.4	128.2
82.5°	930.4	998.3	821.9	670.3	562.5	380.0	209.6	111.6	75.4	89.0	100.3
85°	604.7	841.5	757.8	638.6	517.2	325.0	172.7	58.1	38.5	50.5	69.4
87.5°	61.1	67.1	57.3	77.7	58.1	27.1	13.6	8.3	7.5	9.0	13.6
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7	751.7
2.5°	751.0	751.0	751.7	752.5	753.2	754.0	754.0	754.0	754.0	755.5	754.7
5°	752.5	754.0	755.5	756.3	757.8	757.8	760.0	759.3	759.3	761.5	762.3
7.5°	755.5	757.8	760.8	760.0	763.0	762.3	763.8	763.8	761.5	762.3	760.8
10°	762.3	765.3	766.8	764.5	765.3	762.3	761.5	757.8	753.2	751.0	748.0
12.5°	773.6	776.6	776.6	772.8	768.3	761.5	756.3	748.0	741.2	737.4	733.6
15°	783.4	786.4	785.7	779.6	772.8	762.3	754.7	744.9	735.1	729.1	725.3
17.5°	790.9	792.4	790.2	781.9	774.4	764.5	757.0	746.5	735.1	727.6	720.8
20°	802.2	800.7	795.5	784.9	776.6	767.6	761.5	752.5	739.7	729.9	720.1
22.5°	818.8	812.8	803.0	791.7	783.4	775.1	769.1	759.3	746.5	734.4	723.1
25°	840.7	828.6	815.1	803.0	795.5	786.4	779.6	769.1	755.5	741.9	728.4
27.5°	872.4	851.3	833.9	823.4	815.1	803.8	795.5	781.9	767.6	751.7	736.7
30°	907.8	879.2	862.6	854.3	845.2	833.2	820.3	803.0	786.4	769.1	751.0
32.5°	953.8	919.1	903.3	895.0	882.9	867.8	852.8	833.2	809.8	787.2	765.3
35°	1014.1	978.7	962.1	949.3	932.7	913.1	891.2	864.8	833.2	803.0	775.1
37.5°	1079.0	1040.5	1024.7	1011.1	986.2	960.6	929.7	891.2	848.2	808.3	773.6
40°	1161.1	1125.7	1105.4	1082.0	1052.6	1008.1	959.8	904.0	849.0	800.0	759.3
42.5°	1265.2	1229.8	1199.6	1162.7	1111.4	1042.8	974.2	901.8	835.4	779.6	735.9
45°	1403.2	1360.2	1308.2	1243.3	1160.4	1064.6	974.9	887.5	809.8	748.0	701.2
47.5°	1572.1	1506.5	1421.3	1311.9	1192.8	1070.7	962.8	858.8	769.8	702.7	650.7
50°	1772.6	1669.3	1529.1	1368.5	1209.4	1061.6	932.7	815.8	713.3	641.6	579.8
52.5°	2001.9	1833.0	1626.4	1409.2	1208.7	1031.5	881.4	751.0	639.4	559.5	500.7
55°	2271.0	2019.9	1726.6	1439.4	1187.5	975.7	803.0	659.7	548.2	474.3	420.0
57.5°	2665.4	2323.1	1901.6	1486.1	1145.3	889.7	696.7	550.4	452.4	382.3	336.3
60°	3386.2	2829.0	2216.7	1580.4	1080.5	763.8	572.3	433.5	351.4	294.8	263.9
62.5°	3929.1	3220.3	2387.1	1559.3	950.0	608.5	424.5	315.9	258.6	220.2	200.6
65°	3851.4	3098.9	2205.4	1342.9	744.9	429.0	282.0	214.9	177.9	159.8	148.5
66°	3675.7	2940.6	2047.8	1208.7	643.9	356.6	232.2	180.2	153.1	140.2	132.7
67.5°	3342.5	2646.5	1765.9	990.7	494.6	258.6	174.9	142.5	124.4	119.1	113.9
70°	2778.5	2110.4	1239.6	576.8	252.6	144.0	110.8	99.5	95.0	94.2	92.7
72.5°	2129.3	1493.7	729.9	272.9	131.2	95.8	86.0	82.2	80.7	80.7	81.4
75°	1305.2	839.2	322.7	133.5	92.0	80.7	76.2	74.6	73.9	74.6	73.9
77.5°	435.8	266.9	138.0	101.0	83.7	74.6	71.6	70.1	70.1	70.1	70.1
80°	133.5	116.1	105.6	93.5	79.2	70.9	66.4	65.6	66.4	67.1	64.8
82.5°	100.3	95.0	89.0	82.9	71.6	63.3	61.8	61.8	61.8	59.6	56.5
85°	73.9	73.1	60.3	56.5	52.8	52.8	52.8	52.8	50.5	46.7	43.7
87.5°	13.6	12.8	13.6	14.3	21.1	22.6	22.6	24.1	26.4	24.9	24.9
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):

	160°	165°	170°	175°	180°
0°	751.7	751.7	751.7	751.7	751.7
2.5°	754.7	754.0	756.3	754.7	755.5
5°	761.5	760.8	762.3	760.8	763.0
7.5°	759.3	757.8	757.0	757.8	758.5
10°	743.4	741.9	741.2	740.4	741.2
12.5°	729.9	726.8	726.8	725.3	726.1
15°	720.1	717.8	717.0	715.5	716.3
17.5°	715.5	711.8	710.3	708.8	708.8
20°	712.5	708.0	705.7	704.2	703.5
22.5°	712.5	705.7	702.7	701.2	700.5
25°	715.5	707.2	702.7	700.5	699.7
27.5°	721.6	711.0	705.7	702.7	702.7
30°	732.1	718.6	711.0	707.2	706.5
32.5°	742.7	724.6	714.0	709.5	708.0
35°	748.0	724.6	711.8	704.2	702.7
37.5°	741.9	714.8	699.0	687.6	685.4
40°	723.1	694.4	677.1	666.5	665.0
42.5°	698.2	670.3	649.9	642.4	640.1
45°	664.3	631.1	610.7	600.2	600.9
47.5°	606.2	572.3	554.2	544.4	545.9
50°	537.6	504.4	488.6	478.0	480.3
52.5°	462.2	432.0	417.0	411.7	410.2
55°	383.0	359.7	349.1	343.1	340.8
57.5°	310.6	294.1	286.5	279.0	279.7
60°	245.0	236.8	234.5	226.2	225.4
62.5°	193.0	187.7	185.5	179.5	180.2
65°	146.3	144.8	146.3	142.5	144.0
66°	131.9	132.7	132.7	130.4	131.9
67.5°	113.9	115.4	117.6	115.4	116.9
70°	94.2	95.8	97.3	97.3	97.3
72.5°	82.2	83.7	84.4	84.4	84.4
75°	75.4	76.2	76.9	75.4	75.4
77.5°	70.9	70.9	69.4	68.6	67.9
80°	64.1	63.3	61.1	59.6	59.6
82.5°	53.5	52.0	50.5	48.3	48.3
85°	40.7	39.2	37.7	34.7	33.2
87.5°	21.1	21.9	21.1	17.3	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)