

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: P155435

Luminaire Tested: **VXS-F03-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155435
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: VXS-F03-LED-E1-T3
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7637.6 lumens
Efficiency: N/A
Efficacy: 97.5 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



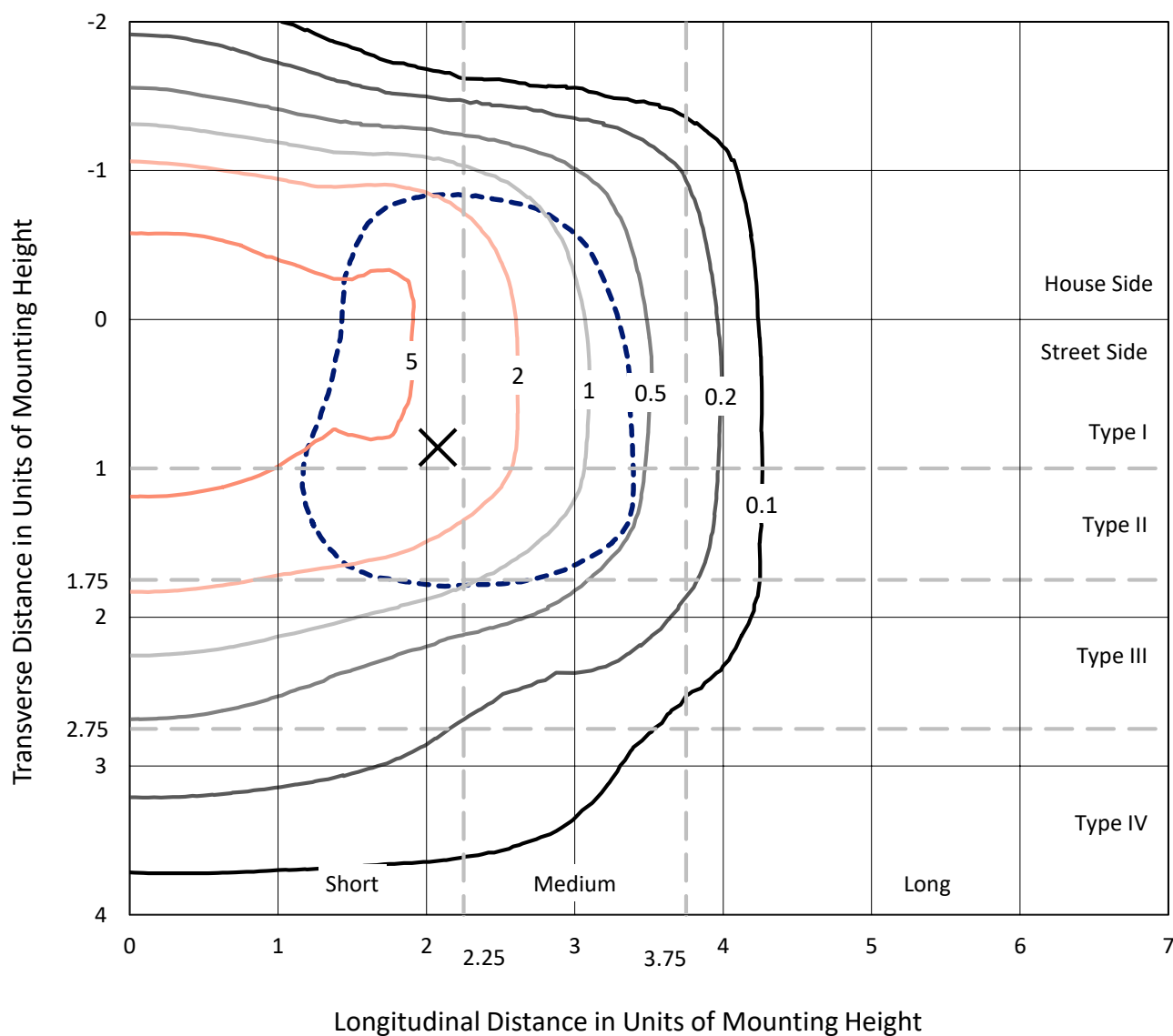
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

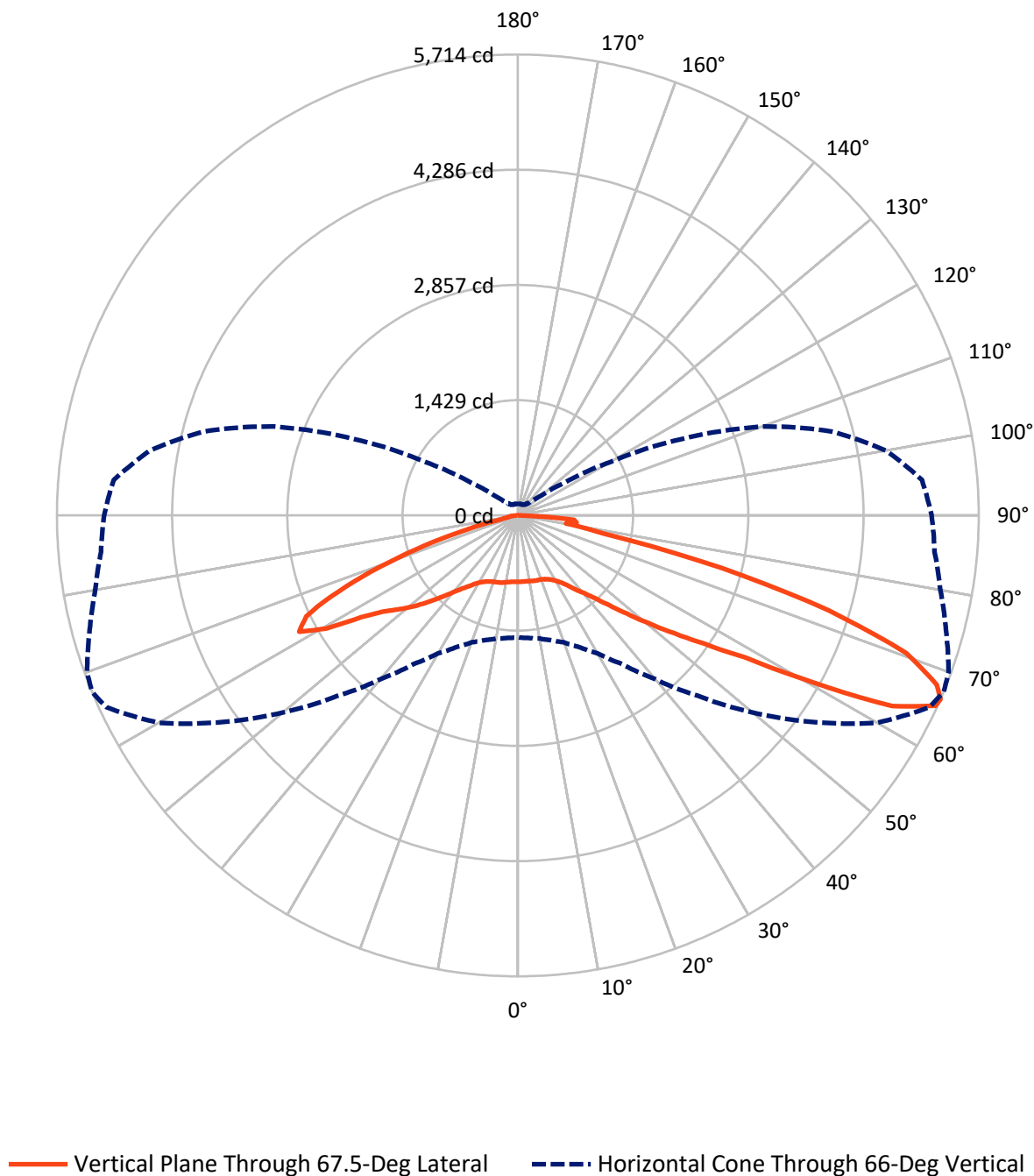


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2637.5	0.0	2637.5
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	5000.1	0.0	5000.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	7637.6	0.0	7637.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.0
10°-20°	232.6	3.0
20°-30°	399.8	5.2
30°-40°	649.2	8.5
40°-50°	1083.9	14.2
50°-60°	1706.8	22.3
60°-70°	2327.4	30.5
70°-80°	1007.5	13.2
80°-90°	151.5	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°	7637.6	100.0
0°-180°	7637.6	100.0

Coefficient of Utilization



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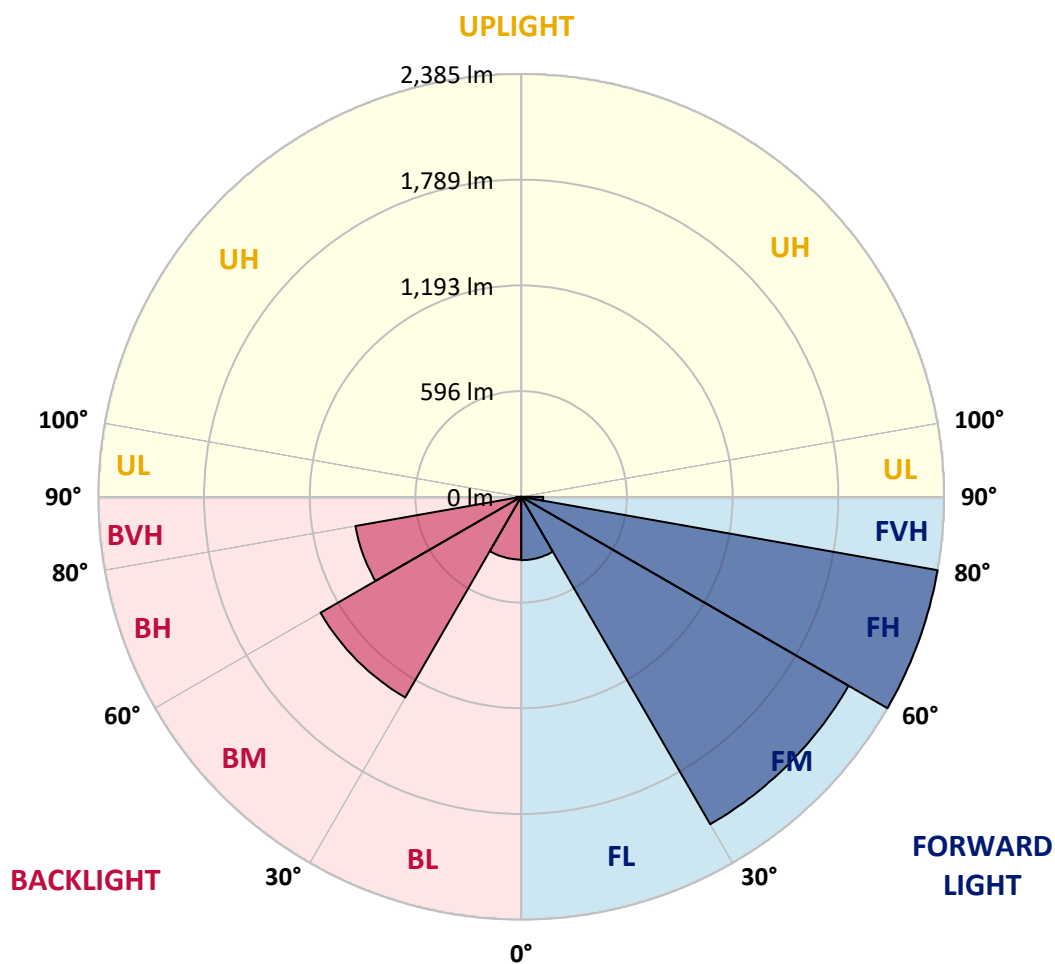
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.3	4.7			
FM	(30°-60°)	2132.9	27.9			
FH	(60°-80°)	2385.5	31.2			G2/5000
FVH	(80°-90°)	124.4	1.6			G2/225
BL	(0°-30°)	354.0	4.6	B1/500		
BM	(30°-60°)	1307.0	17.1	B2/2500		
BH	(60°-80°)	949.4	12.4	B2/1000		G2/1000
BVH	(80°-90°)	27.1	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°	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0
2.5°	826.3	829.6	826.3	827.2	828.0	827.2	826.3	826.3	823.8	825.5	827.2
5°	823.0	825.5	824.7	825.5	826.3	825.5	824.7	825.5	823.8	824.7	827.2
7.5°	819.0	818.1	819.0	820.6	822.2	822.2	822.2	823.0	822.2	822.2	824.7
10°	806.5	807.4	809.0	811.5	812.3	814.8	814.8	817.3	818.1	819.8	823.0
12.5°	790.9	791.7	793.4	795.0	799.1	803.2	803.2	809.0	811.5	815.6	821.3
15°	779.3	780.1	781.8	783.4	786.7	790.9	793.4	799.9	804.0	811.5	819.8
17.5°	785.9	785.1	786.7	787.6	787.6	790.9	790.9	795.9	800.7	807.4	818.1
20°	804.9	804.9	806.5	806.5	805.7	807.4	804.0	804.0	804.9	808.2	815.6
22.5°	823.8	823.0	826.3	828.0	828.8	831.3	828.0	827.2	823.0	820.6	823.0
25°	842.1	841.2	845.4	847.8	851.9	854.4	854.4	854.4	851.1	846.9	844.6
27.5°	870.1	870.1	874.2	876.7	880.0	885.0	887.5	887.5	888.3	882.5	878.3
30°	917.2	918.0	918.9	922.1	925.4	927.0	930.4	932.8	935.3	932.0	925.4
32.5°	973.3	968.3	968.3	973.3	977.4	982.4	984.0	987.4	992.3	989.8	989.0
35°	1040.2	1038.5	1036.9	1038.5	1043.4	1049.2	1055.9	1061.7	1058.3	1063.3	1060.8
37.5°	1139.3	1140.8	1141.7	1141.7	1140.8	1142.5	1145.8	1151.6	1149.9	1151.6	1154.9
40°	1302.7	1296.9	1291.1	1291.9	1283.7	1285.4	1272.1	1277.9	1278.8	1273.0	1275.4
42.5°	1466.1	1469.4	1471.9	1478.5	1472.7	1469.4	1457.1	1457.1	1450.5	1444.7	1443.0
45°	1642.8	1649.4	1650.3	1663.4	1658.4	1669.2	1678.3	1675.9	1665.1	1664.2	1652.7
47.5°	1783.9	1794.7	1806.2	1822.0	1834.3	1858.2	1886.3	1900.3	1908.6	1915.2	1902.0
50°	1889.6	1894.6	1924.2	1949.0	1976.3	2016.0	2054.7	2105.1	2145.5	2164.6	2182.7
52.5°	1946.6	1959.0	1991.2	2029.9	2077.8	2137.3	2200.0	2280.1	2349.4	2395.6	2437.0
55°	1959.0	1971.4	2007.7	2057.2	2122.4	2202.5	2292.4	2401.5	2505.5	2594.6	2681.3
57.5°	1924.2	1938.3	1977.1	2034.1	2110.9	2208.3	2321.3	2464.1	2607.9	2752.3	2880.2
60°	1860.7	1878.0	1913.6	1969.7	2054.7	2164.6	2299.9	2479.1	2680.5	2901.8	3146.9
62.5°	1755.9	1774.1	1807.0	1869.0	1956.5	2077.8	2234.7	2457.6	2742.4	3090.8	3525.8
65°	1587.5	1595.8	1636.2	1699.0	1776.6	1910.3	2082.8	2351.9	2722.6	3207.2	3806.5
66°	1511.5	1525.6	1550.4	1600.7	1675.0	1800.5	1973.8	2247.0	2647.5	3166.7	3799.1
67.5°	1392.6	1403.4	1419.9	1453.8	1499.2	1591.6	1755.9	2014.3	2417.9	2962.0	3641.3
70°	1126.0	1131.0	1153.3	1164.8	1180.5	1211.1	1270.5	1419.1	1733.6	2244.6	2938.9
72.5°	767.8	781.8	805.7	838.8	881.7	922.9	951.0	969.9	1037.7	1339.0	1958.1
75°	563.0	577.8	608.4	652.1	727.3	813.2	902.3	943.5	915.5	876.7	1090.6
77.5°	326.9	346.7	372.3	414.4	483.7	597.7	750.4	885.8	977.4	983.2	933.7
80°	137.8	140.3	156.1	177.5	220.4	300.5	419.4	614.2	817.3	954.3	986.5
82.5°	31.4	38.8	49.5	58.7	71.8	99.1	146.9	244.4	441.7	692.6	903.1
85°	11.6	11.6	15.6	23.1	26.4	29.7	38.8	61.9	105.7	194.8	406.1
87.5°	0.0	0.8	1.7	1.7	3.3	4.1	6.6	9.1	8.3	7.5	24.8
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0
2.5°	825.5	824.7	823.0	823.0	823.0	823.0	821.3	822.2	820.6	821.3	821.3
5°	824.7	824.7	823.8	822.2	823.0	823.0	823.8	822.2	822.2	823.0	822.2
7.5°	824.7	823.8	823.8	823.8	824.7	823.8	824.7	824.7	824.7	825.5	825.5
10°	824.7	824.7	826.3	827.2	827.2	828.0	830.5	830.5	831.3	832.1	833.8
12.5°	825.5	828.8	831.3	833.8	834.6	836.3	840.4	840.4	842.1	844.6	845.4
15°	826.3	831.3	836.3	837.9	839.6	842.9	846.9	848.6	851.1	853.6	855.2
17.5°	825.5	832.1	837.9	840.4	842.9	846.9	851.9	853.6	856.9	860.2	863.5
20°	824.7	833.8	842.9	846.1	849.4	855.2	861.9	866.0	869.3	874.2	877.5
22.5°	829.6	840.4	852.7	857.7	863.5	870.9	880.0	885.0	889.1	894.1	896.5
25°	845.4	853.6	868.5	876.7	884.1	896.5	908.9	914.7	919.6	923.7	924.6
27.5°	871.7	874.2	892.4	903.1	913.9	933.7	948.5	952.6	961.8	965.1	964.2
30°	914.7	910.6	925.4	942.0	957.6	984.9	1003.0	1013.8	1022.0	1022.0	1015.4
32.5°	976.6	969.9	974.1	993.1	1011.3	1050.9	1072.3	1086.4	1092.1	1090.6	1076.5
35°	1057.5	1053.4	1050.9	1065.8	1094.6	1140.8	1168.9	1176.4	1185.5	1183.8	1165.6
37.5°	1153.3	1149.9	1149.9	1167.3	1195.3	1263.8	1294.4	1299.4	1298.5	1285.4	1251.5
40°	1266.3	1264.7	1257.3	1267.2	1291.1	1380.3	1421.6	1428.2	1419.1	1397.6	1358.0
42.5°	1429.0	1419.1	1396.0	1401.8	1419.9	1506.6	1560.2	1578.4	1569.3	1547.9	1483.4
45°	1641.1	1630.4	1591.6	1586.6	1596.6	1672.5	1741.9	1746.0	1744.4	1717.1	1641.1
47.5°	1890.5	1874.0	1832.6	1819.5	1816.2	1886.3	1953.2	1959.8	1955.6	1915.2	1813.7
50°	2160.4	2136.5	2109.2	2100.1	2086.9	2137.3	2205.0	2205.8	2189.3	2133.2	2038.2
52.5°	2448.5	2440.2	2435.3	2426.2	2420.4	2464.1	2505.5	2480.7	2456.0	2397.3	2314.8
55°	2739.1	2773.0	2807.6	2810.9	2820.8	2867.9	2867.0	2799.4	2781.2	2749.0	2667.3
57.5°	3047.9	3173.4	3282.3	3316.2	3349.1	3436.7	3428.4	3361.6	3338.4	3298.8	3231.1
60°	3468.0	3806.5	4121.0	4196.2	4248.2	4353.0	4343.1	4239.9	4287.8	4284.5	4197.0
62.5°	4056.6	4619.7	5091.0	5206.6	5242.9	5254.5	5191.7	5080.3	5127.4	5180.2	4911.1
65°	4455.3	5117.4	5601.1	5690.4	5695.3	5557.4	5417.9	5286.6	5275.1	5229.7	4845.0
66°	4464.5	5142.2	5627.6	5714.3	5683.7	5495.5	5318.9	5186.7	5129.8	5029.9	4631.2
67.5°	4304.2	4987.8	5510.4	5602.0	5535.1	5268.5	5025.0	4854.9	4743.4	4581.7	4229.9
70°	3614.9	4292.7	4936.7	5107.6	5129.0	4731.1	4393.5	4193.7	4043.4	3821.3	3518.3
72.5°	2687.9	3300.4	3868.4	4031.8	4115.2	3797.4	3512.6	3360.7	3155.1	2921.6	2706.1
75°	1684.9	2117.5	2498.0	2612.7	2534.4	2288.4	2117.5	2053.9	1851.6	1712.1	1613.9
77.5°	963.4	1098.8	1129.3	1085.6	993.1	760.3	540.7	400.4	347.6	384.7	424.4
80°	940.3	861.9	686.8	604.2	547.4	376.5	221.2	151.9	126.3	129.6	140.3
82.5°	1018.7	1093.0	899.8	733.9	615.9	416.1	229.5	122.2	82.6	97.4	109.8
85°	662.1	921.2	829.6	699.2	566.3	355.8	189.0	63.5	42.1	55.3	76.0
87.5°	66.8	73.5	62.7	85.1	63.5	29.7	14.8	9.1	8.3	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°	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0	823.0
2.5°	822.2	822.2	823.0	823.8	824.7	825.5	825.5	825.5	825.5	827.2	826.3
5°	823.8	825.5	827.2	828.0	829.6	829.6	832.1	831.3	831.3	833.8	834.6
7.5°	827.2	829.6	833.0	832.1	835.4	834.6	836.3	836.3	833.8	834.6	833.0
10°	834.6	837.9	839.6	837.1	837.9	834.6	833.8	829.6	824.7	822.2	819.0
12.5°	846.9	850.3	850.3	846.1	841.2	833.8	828.0	819.0	811.5	807.4	803.2
15°	857.7	861.0	860.2	853.6	846.1	834.6	826.3	815.6	804.9	798.2	794.2
17.5°	866.0	867.7	865.2	856.1	847.8	837.1	828.8	817.3	804.9	796.6	789.2
20°	878.3	876.7	870.9	859.4	850.3	840.4	833.8	823.8	809.8	799.1	788.4
22.5°	896.5	889.9	879.2	866.8	857.7	848.6	842.1	831.3	817.3	804.0	791.7
25°	920.4	907.3	892.4	879.2	870.9	861.0	853.6	842.1	827.2	812.3	797.4
27.5°	955.1	932.0	913.1	901.5	892.4	880.0	870.9	856.1	840.4	823.0	806.5
30°	993.9	962.6	944.4	935.3	925.4	912.2	898.1	879.2	861.0	842.1	822.2
32.5°	1044.2	1006.3	989.0	979.9	966.7	950.2	933.7	912.2	886.6	861.9	837.9
35°	1110.4	1071.5	1053.4	1039.4	1021.1	999.7	975.8	946.8	912.2	879.2	848.6
37.5°	1181.3	1139.3	1121.9	1107.0	1079.8	1051.7	1017.8	975.8	928.7	885.0	846.9
40°	1271.3	1232.5	1210.3	1184.7	1152.4	1103.7	1050.9	989.8	929.5	875.9	831.3
42.5°	1385.2	1346.4	1313.4	1273.0	1216.8	1141.7	1066.5	987.4	914.7	853.6	805.7
45°	1536.3	1489.2	1432.3	1361.2	1270.5	1165.6	1067.4	971.6	886.6	819.0	767.8
47.5°	1721.2	1649.4	1556.2	1436.4	1306.0	1172.2	1054.2	940.3	842.9	769.4	712.4
50°	1940.8	1827.7	1674.2	1498.3	1324.1	1162.4	1021.1	893.3	780.9	702.5	634.8
52.5°	2191.8	2006.8	1780.6	1542.9	1323.3	1129.3	965.1	822.2	700.0	612.5	548.2
55°	2486.5	2211.6	1890.5	1576.0	1300.2	1068.2	879.2	722.4	600.2	519.3	459.8
57.5°	2918.2	2543.4	2082.0	1627.2	1254.0	974.1	762.8	602.6	495.3	418.5	368.2
60°	3707.5	3097.4	2427.0	1730.3	1183.0	836.3	626.5	474.7	384.7	322.8	288.9
62.5°	4301.8	3525.8	2613.6	1707.2	1040.2	666.2	464.8	345.9	283.1	241.0	219.6
65°	4216.8	3393.0	2414.6	1470.3	815.6	469.7	308.7	235.2	194.8	175.0	162.6
66°	4024.5	3219.6	2242.2	1323.3	705.0	390.5	254.3	197.3	167.6	153.6	145.3
67.5°	3659.6	2897.6	1933.4	1084.8	541.6	283.1	191.5	156.1	136.2	130.5	124.7
70°	3042.1	2310.7	1357.2	631.5	276.6	157.7	121.3	109.0	104.0	103.2	101.6
72.5°	2331.3	1635.3	799.1	298.9	143.6	104.9	94.1	89.9	88.3	88.3	89.1
75°	1429.0	918.9	353.4	146.1	100.7	88.3	83.4	81.8	80.9	81.8	80.9
77.5°	477.2	292.2	151.1	110.6	91.6	81.8	78.4	76.8	76.8	76.8	76.8
80°	146.1	127.2	115.5	102.4	86.6	77.6	72.6	71.8	72.6	73.5	71.0
82.5°	109.8	104.0	97.4	90.8	78.4	69.3	67.7	67.7	67.7	65.2	61.9
85°	80.9	80.1	66.0	61.9	57.8	57.8	57.8	57.8	55.3	51.2	47.9
87.5°	14.8	14.0	14.8	15.6	23.1	24.8	24.8	26.4	28.9	27.3	27.3
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°	823.0	823.0	823.0	823.0	823.0
2.5°	826.3	825.5	828.0	826.3	827.2
5°	833.8	833.0	834.6	833.0	835.4
7.5°	831.3	829.6	828.8	829.6	830.5
10°	814.0	812.3	811.5	810.7	811.5
12.5°	799.1	795.9	795.9	794.2	795.0
15°	788.4	785.9	785.1	783.4	784.2
17.5°	783.4	779.3	777.6	776.0	776.0
20°	780.1	775.1	772.6	771.1	770.3
22.5°	780.1	772.6	769.4	767.8	766.9
25°	783.4	774.3	769.4	766.9	766.1
27.5°	790.1	778.4	772.6	769.4	769.4
30°	801.6	786.7	778.4	774.3	773.5
32.5°	813.2	793.4	781.8	776.8	775.1
35°	819.0	793.4	779.3	771.1	769.4
37.5°	812.3	782.6	765.3	752.8	750.4
40°	791.7	760.3	741.3	729.7	728.1
42.5°	764.5	733.9	711.6	703.3	700.8
45°	727.3	691.0	668.7	657.1	657.9
47.5°	663.7	626.5	606.7	596.1	597.7
50°	588.6	552.2	534.9	523.4	525.9
52.5°	506.0	473.1	456.5	450.8	449.1
55°	419.4	393.8	382.2	375.6	373.2
57.5°	340.1	322.0	313.7	305.5	306.3
60°	268.3	259.2	256.8	247.7	246.8
62.5°	211.3	205.6	203.1	196.5	197.3
65°	160.1	158.5	160.1	156.1	157.7
66°	144.5	145.3	145.3	142.8	144.5
67.5°	124.7	126.3	128.8	126.3	128.0
70°	103.2	104.9	106.5	106.5	106.5
72.5°	89.9	91.6	92.4	92.4	92.4
75°	82.6	83.4	84.2	82.6	82.6
77.5°	77.6	77.6	76.0	75.1	74.3
80°	70.2	69.3	66.8	65.2	65.2
82.5°	58.7	57.0	55.3	52.8	52.8
85°	44.6	42.9	41.2	37.9	36.4
87.5°	23.1	23.9	23.1	19.0	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)