Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P671250

Luminaire Tested: **CCP-SA-1E-740-U-SL2**

Issue Date: 04/16/2023

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P671250
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	04/16/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	CCP-SA-1E-740-U-SL2
Description:	INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2 distribution lens
Light Source:	(16) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6766.6 lumens
Efficiency:	N/A
Efficacy:	120.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	56.1
Input Voltage (V):	120
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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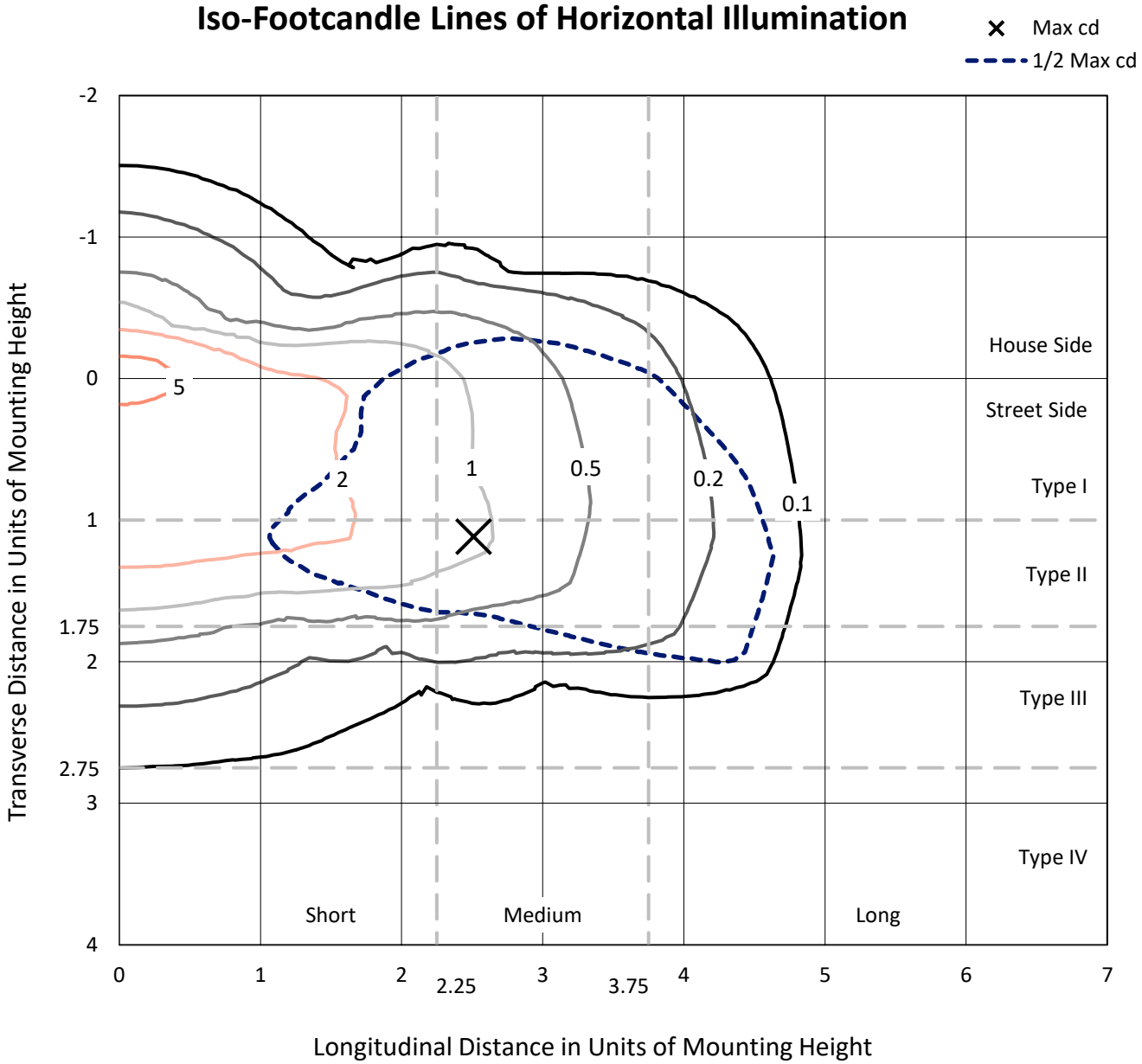
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Medium - N/A

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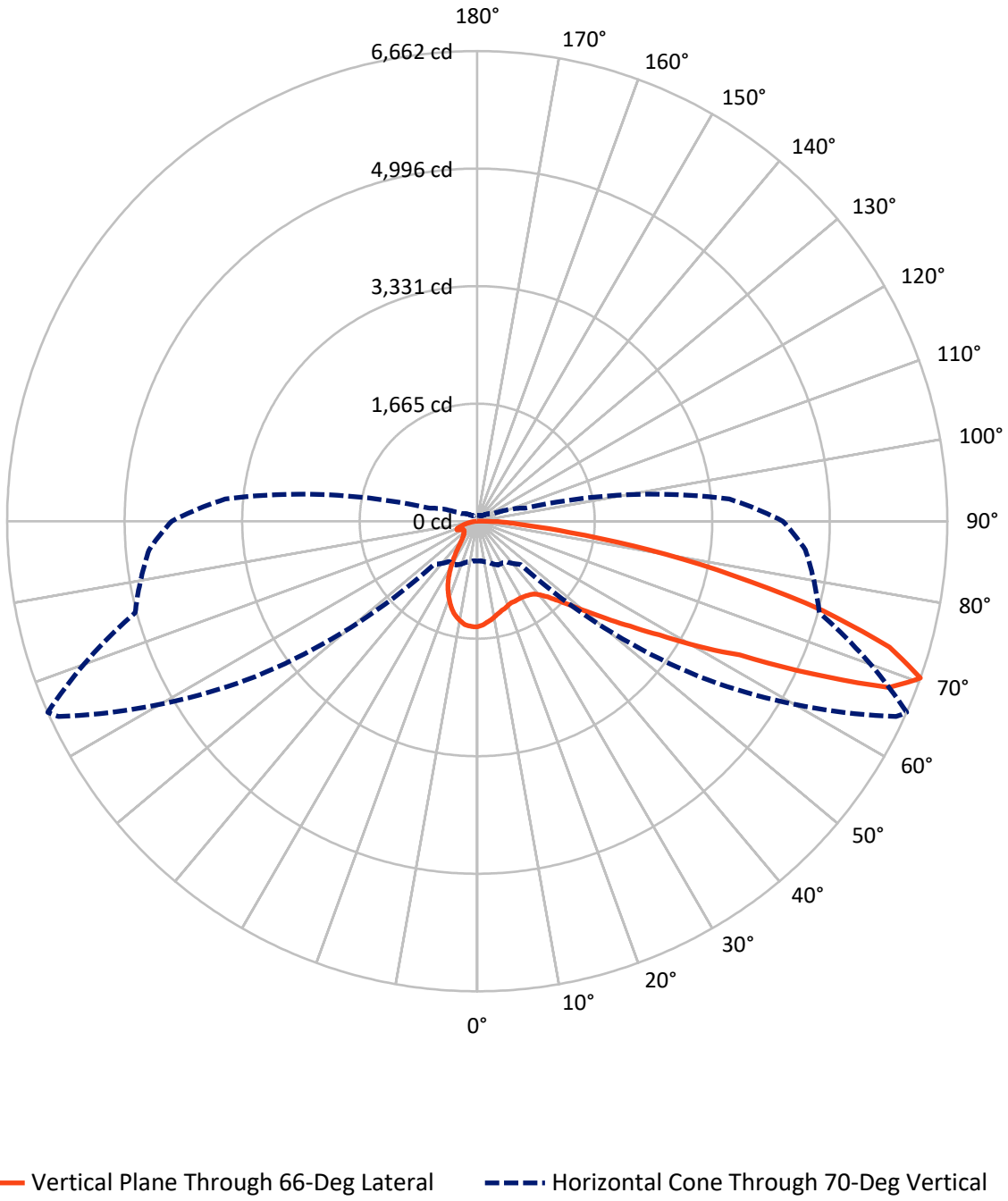
Luminous Intensity Polar Plot



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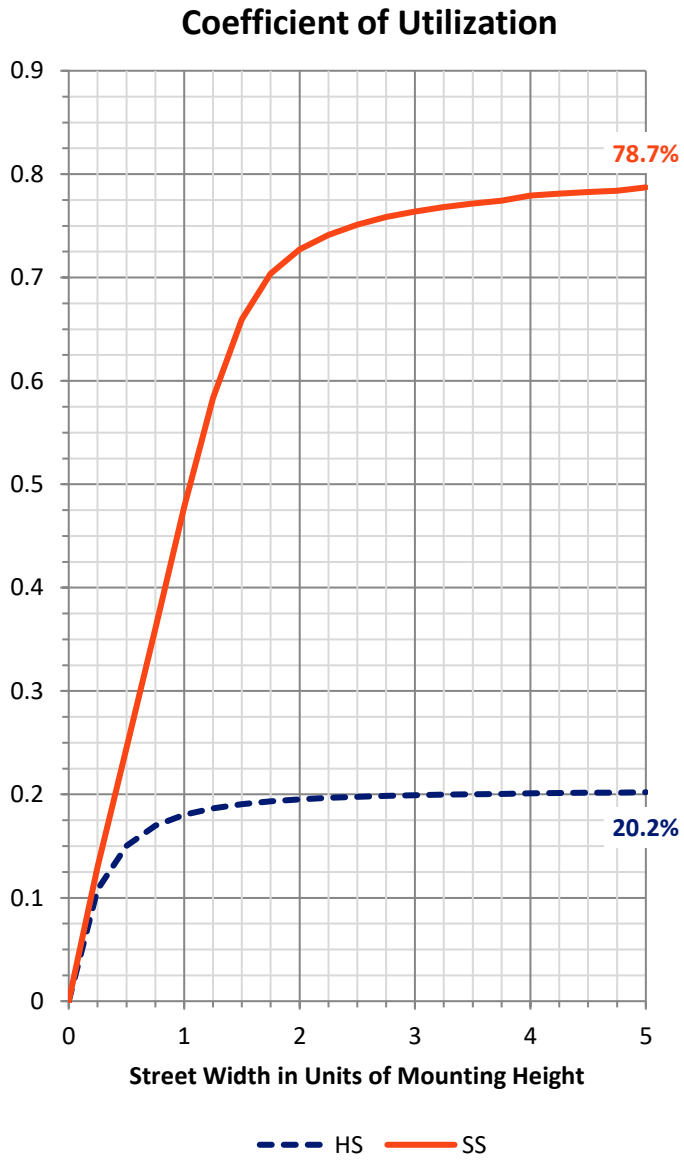
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1385.0	0.0	1385.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5381.5	0.0	5381.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	6766.6	0.0	6766.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	2.0
10°-20°	325.4	4.8
20°-30°	446.9	6.6
30°-40°	599.2	8.9
40°-50°	869.4	12.8
50°-60°	1321.4	19.5
60°-70°	1632.1	24.1
70°-80°	1213.7	17.9
80°-90°	226.4	3.3
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°	6766.6	100.0
0°-180°	6766.6	100.0



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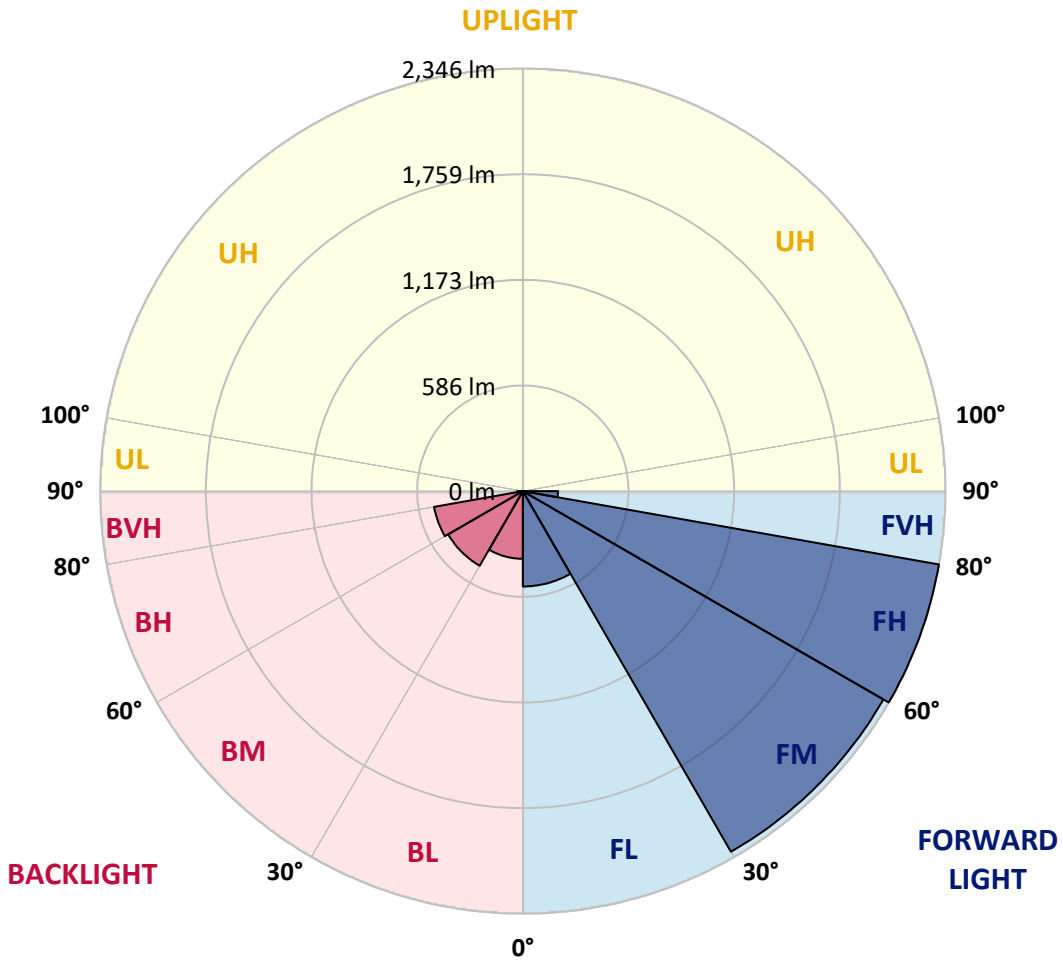
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	529.1	7.8			
FM	(30°-60°)	2311.6	34.2			
FH	(60°-80°)	2345.7	34.7			G2/5000
FVH	(80°-90°)	195.1	2.9			G2/225
BL	(0°-30°)	375.4	5.5	B1/500		
BM	(30°-60°)	478.4	7.1	B1/1000		
BH	(60°-80°)	500.0	7.4	B1/500		G1/500
BVH	(80°-90°)	31.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	*1494.9*	1494.9	1494.9
2.5°	1422.0	1429.5	1432.0	1437.1	1449.6	1459.7	1474.8	1482.4	*1474.8*	1484.9	1484.9
5°	1323.8	1313.7	1338.9	1349.0	1364.1	1384.2	1419.4	1447.1	*1439.6*	1469.8	1494.9
7.5°	1240.7	1240.7	1248.3	1270.9	1288.6	1318.8	1356.5	1399.3	*1411.9*	1452.2	1489.9
10°	1165.2	1175.3	1175.3	1210.5	1220.6	1255.8	1318.8	1371.6	*1374.1*	1442.1	1494.9
12.5°	1125.0	1119.9	1145.1	1155.2	1185.4	1220.6	1270.9	1336.4	*1338.9*	1411.9	1484.9
15°	1092.3	1097.3	1109.9	1135.0	1162.7	1190.4	1238.2	1298.6	*1311.2*	1396.8	1479.8
17.5°	1094.8	1097.3	1097.3	1114.9	1137.6	1170.3	1215.6	1286.0	*1293.6*	1376.7	1472.3
20°	1109.9	1099.8	1107.4	1114.9	1130.0	1160.2	1198.0	1258.4	*1265.9*	1374.1	1489.9
22.5°	1142.6	1135.0	1132.5	1130.0	1127.5	1145.1	1192.9	1243.3	*1250.8*	1361.6	1497.5
25°	1195.4	1192.9	1175.3	1157.7	1145.1	1145.1	1182.9	1255.8	*1253.3*	1361.6	1502.5
27.5°	1258.4	1258.4	1255.8	1223.1	1185.4	1165.2	1190.4	1250.8	*1248.3*	1361.6	1515.1
30°	1343.9	1343.9	1336.4	1306.2	1238.2	1180.3	1195.4	1245.8	*1253.3*	1351.5	1505.0
32.5°	1437.1	1434.5	1442.1	1414.4	1343.9	1250.8	1225.6	1255.8	*1263.4*	1361.6	1507.5
35°	1505.0	1520.1	1545.3	1520.1	1449.6	1323.8	1268.4	1276.0	*1281.0*	1364.1	1517.6
37.5°	1583.0	1600.6	1635.9	1656.0	1580.5	1434.5	1336.4	1308.7	*1308.7*	1396.8	1520.1
40°	1696.3	1678.7	1739.1	1774.3	1744.1	1570.4	1442.1	1369.1	*1371.6*	1439.6	1552.8
42.5°	1779.3	1796.9	1859.9	1922.8	1885.0	1736.5	1557.9	1467.3	*1467.3*	1502.5	1603.2
45°	1872.4	1892.6	1980.7	2056.2	2083.9	1935.4	1716.4	1608.2	*1603.2*	1625.8	1693.8
47.5°	1975.6	2003.3	2104.0	2192.1	2265.1	2141.7	1920.3	1779.3	*1776.8*	1794.4	1844.8
50°	2093.9	2104.0	2187.0	2348.1	2494.1	2416.1	2169.4	2020.9	*2008.4*	2015.9	2083.9
52.5°	2129.2	2121.6	2217.2	2390.9	2657.7	2750.8	2509.2	2295.3	*2290.2*	2272.6	2360.7
55°	2000.8	2026.0	2119.1	2340.6	2791.1	3145.9	2881.7	2670.3	*2624.9*	2577.1	2682.8
57.5°	1744.1	1746.6	1852.3	2114.1	2687.9	3473.1	3513.4	3037.7	*3040.2*	2911.9	3032.7
60°	1356.5	1349.0	1432.0	1668.6	2393.4	3573.8	4202.9	3624.1	*3598.9*	3246.6	3357.3
62.5°	979.0	963.9	981.5	1119.9	1789.4	3420.2	4879.9	4281.0	*4175.3*	3588.9	3674.4
65°	805.4	812.9	820.5	828.0	1004.2	2821.3	5088.8	5353.1	*5212.1*	3989.0	4024.3
67.5°	666.9	672.0	704.7	750.0	745.0	1666.1	4847.2	6344.7	*6291.8*	4484.8	4326.3
70°	*566.3*	*563.7*	*601.5*	*684.6*	*697.1*	*865.8*	*3838.0*	*6548.5*	*6661.8*	*5018.4*	*4668.5*
72.5°	453.0	458.0	490.8	601.5	684.6	729.9	2209.7	6110.6	*6108.1*	5428.6	4484.8
75°	324.7	324.7	370.0	498.3	661.9	722.3	1223.1	4960.5	*5053.6*	5101.4	3890.9
77.5°	213.9	224.0	259.2	372.5	621.6	707.2	775.2	3606.5	*3722.2*	3815.4	2977.3
80°	146.0	151.0	173.7	259.2	526.0	712.2	634.2	2426.1	*2471.4*	2106.5	1208.0
82.5°	88.1	90.6	115.8	181.2	377.5	677.0	596.5	1338.9	*1311.2*	636.7	347.3
85°	47.8	50.3	73.0	120.8	249.2	591.4	586.4	656.9	*611.6*	234.1	146.0
87.5°	17.6	17.6	32.7	60.4	143.5	405.2	510.9	390.1	*364.9*	118.3	68.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9	1494.9
2.5°	1497.5	1497.5	1497.5	1497.5	1494.9	1484.9	1492.4	1489.9	1474.8	1477.3	1467.3
5°	1492.4	1505.0	1497.5	1487.4	1474.8	1444.6	1434.5	1427.0	1406.9	1399.3	1406.9
7.5°	1505.0	1494.9	1489.9	1472.3	1422.0	1394.3	1359.0	1316.2	1286.0	1278.5	1286.0
10°	1502.5	1502.5	1479.8	1429.5	1381.7	1301.1	1255.8	1180.3	1137.6	1125.0	1127.5
12.5°	1492.4	1500.0	1464.7	1384.2	1293.6	1195.4	1112.4	1031.9	956.4	926.2	921.1
15°	1502.5	1494.9	1432.0	1328.8	1203.0	1067.1	946.3	828.0	757.5	712.2	702.2
17.5°	1487.4	1479.8	1389.2	1253.3	1084.7	911.1	760.1	631.7	561.2	543.6	543.6
20°	1505.0	1457.2	1338.9	1162.7	961.4	739.9	568.8	473.1	455.5	455.5	460.6
22.5°	1502.5	1452.2	1296.1	1074.6	812.9	558.7	422.8	395.1	397.6	417.8	415.3
25°	1487.4	1442.1	1235.7	976.5	656.9	420.3	349.8	342.3	359.9	382.5	380.0
27.5°	1484.9	1414.4	1180.3	860.7	500.8	332.2	304.5	304.5	322.1	342.3	339.8
30°	1469.8	1391.8	1112.4	729.9	377.5	289.4	279.4	279.4	286.9	297.0	297.0
32.5°	1467.3	1361.6	1036.9	593.9	302.0	261.7	256.7	259.2	259.2	264.3	261.7
35°	1447.1	1321.3	958.9	460.6	261.7	246.6	241.6	239.1	239.1	236.6	236.6
37.5°	1439.6	1296.1	878.3	357.4	244.1	234.1	229.0	221.5	219.0	219.0	216.4
40°	1447.1	1270.9	800.3	289.4	229.0	224.0	216.4	206.4	203.9	203.9	203.9
42.5°	1474.8	1268.4	719.8	251.7	221.5	213.9	203.9	193.8	191.3	193.8	191.3
45°	1537.7	1288.6	641.8	234.1	211.4	203.9	191.3	183.7	181.2	183.7	183.7
47.5°	1640.9	1343.9	571.3	224.0	203.9	193.8	181.2	173.7	173.7	173.7	173.7
50°	1812.0	1449.6	503.3	216.4	198.8	186.2	173.7	163.6	161.1	161.1	163.6
52.5°	2068.8	1630.8	448.0	211.4	191.3	176.2	163.6	156.0	151.0	148.5	151.0
55°	2378.3	1895.1	430.4	206.4	181.2	168.6	156.0	146.0	140.9	140.9	138.4
57.5°	2710.5	2187.0	460.6	201.3	173.7	158.6	146.0	135.9	130.9	128.4	128.4
60°	3070.4	2531.8	571.3	198.8	166.1	148.5	135.9	128.4	120.8	118.3	118.3
62.5°	3397.6	2843.9	770.1	196.3	161.1	138.4	125.8	115.8	110.7	108.2	108.2
65°	3770.1	3191.2	963.9	206.4	158.6	130.9	115.8	105.7	100.7	98.2	98.2
67.5°	4094.7	3493.2	1077.2	231.5	166.1	120.8	103.2	95.6	93.1	90.6	90.6
70°	*4331.3*	*3586.3*	*722.3*	*254.2*	*178.7*	*113.3*	*93.1*	*88.1*	*83.1*	*83.1*	*83.1*
72.5°	4014.2	3201.3	427.8	239.1	168.6	105.7	83.1	78.0	75.5	75.5	73.0
75°	3432.8	2725.6	329.7	193.8	135.9	90.6	73.0	68.0	65.4	65.4	62.9
77.5°	2534.3	1953.0	244.1	153.5	105.7	73.0	62.9	60.4	57.9	55.4	55.4
80°	991.6	855.7	166.1	113.3	78.0	57.9	52.9	50.3	47.8	45.3	45.3
82.5°	307.0	259.2	95.6	75.5	55.4	45.3	42.8	40.3	37.8	35.2	35.2
85°	133.4	128.4	62.9	47.8	37.8	30.2	30.2	27.7	25.2	22.7	22.7
87.5°	65.4	62.9	35.2	22.7	20.1	15.1	15.1	12.6	10.1	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)