

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: P147216

Luminaire Tested: **VXS-F06-LED-E1-5MQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147216
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-5MQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16384.7 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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



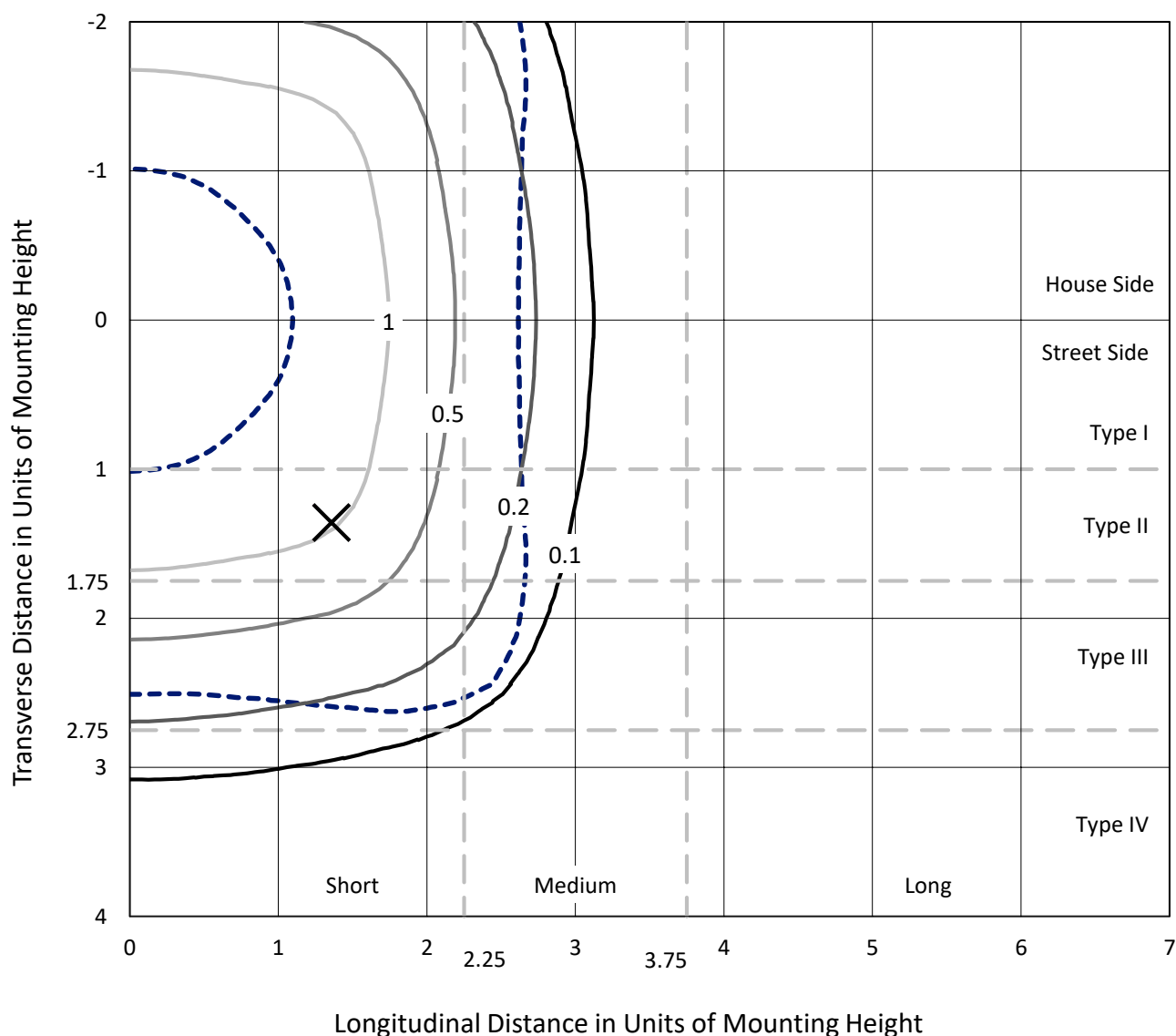
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

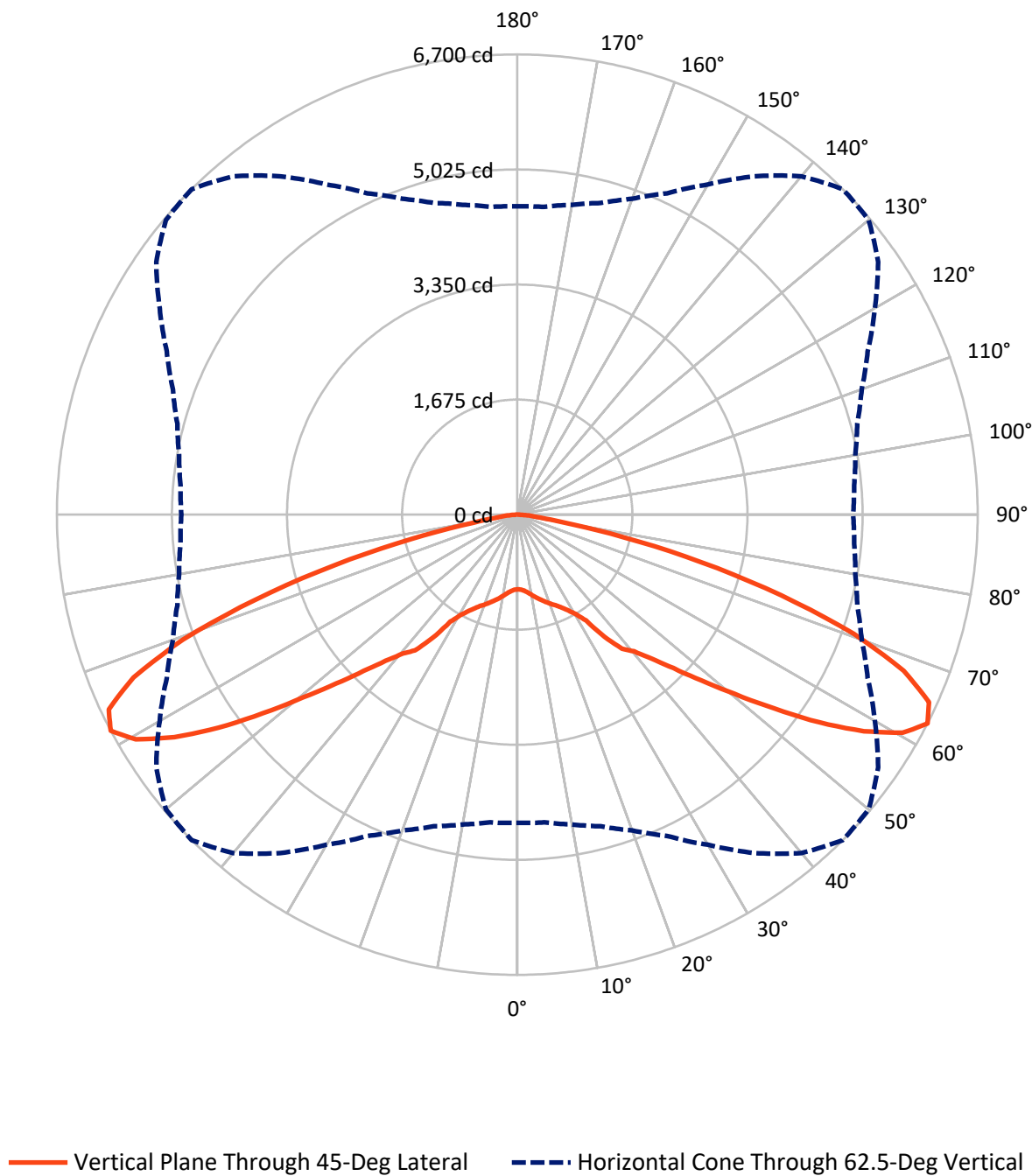


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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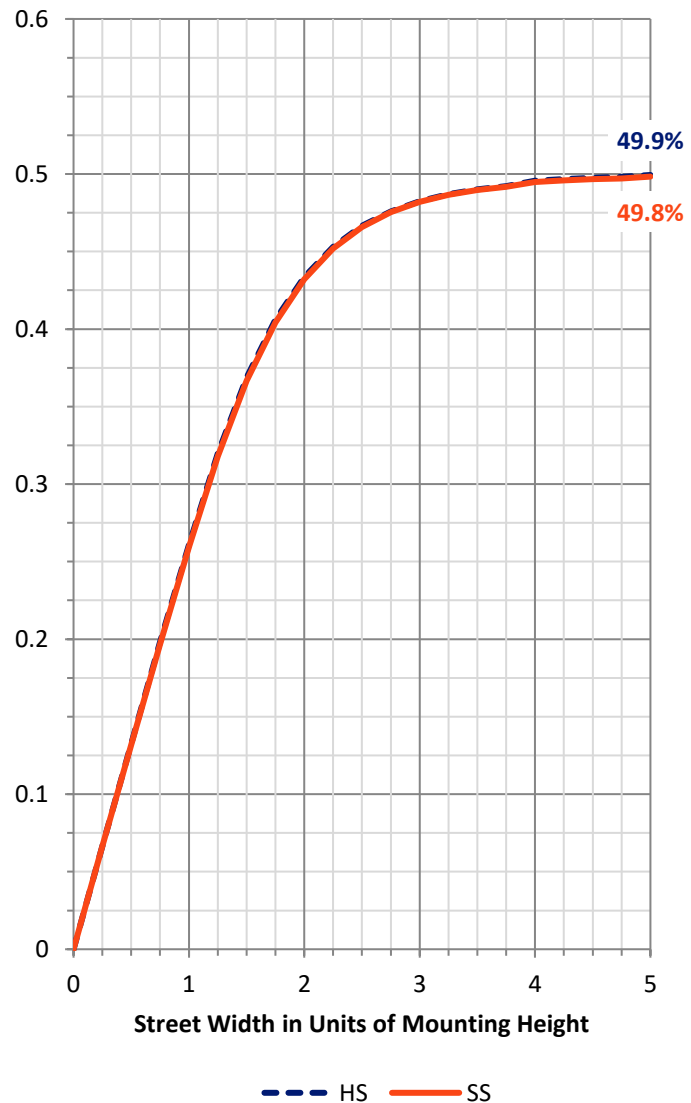
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8192.3	0.0	8192.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8192.3	0.0	8192.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16384.7	0.0	16384.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	0.7
10°-20°	368.4	2.2
20°-30°	712.4	4.3
30°-40°	1379.3	8.4
40°-50°	2490.5	15.2
50°-60°	4330.6	26.4
60°-70°	4916.4	30.0
70°-80°	1906.1	11.6
80°-90°	172.0	1.0
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°	16384.7	100.0
0°-180°	16384.7	100.0

Coefficient of Utilization



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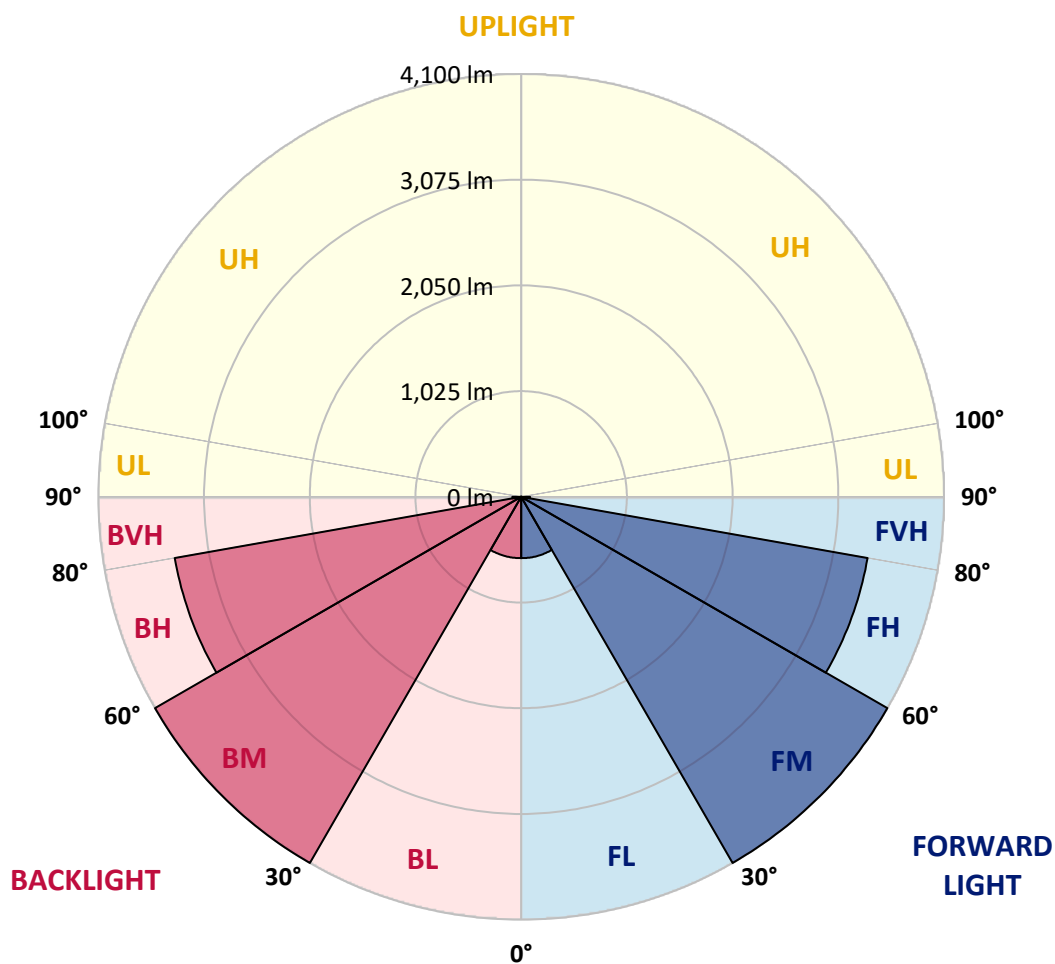
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	594.9	3.6			
FM	(30°-60°)	4100.2	25.0			
FH	(60°-80°)	3411.2	20.8			G2/5000
FVH	(80°-90°)	86.0	0.5			G1/100
BL	(0°-30°)	594.9	3.6	B2/1000		
BM	(30°-60°)	4100.2	25.0	B3/5000		
BH	(60°-80°)	3411.2	20.8	B4/5000		G2/5000
BVH	(80°-90°)	86.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7
2.5°	1094.5	1097.8	1097.0	1095.2	1095.2	1095.2	1094.5	1091.9	1091.0	1092.7	1094.4
5°	1119.8	1119.8	1119.8	1119.8	1118.2	1118.1	1116.5	1114.8	1115.6	1113.9	1113.1
7.5°	1158.8	1156.3	1156.3	1155.4	1155.3	1153.8	1151.1	1147.8	1148.6	1147.8	1146.9
10°	1204.6	1205.4	1202.9	1205.4	1201.1	1200.3	1196.9	1195.2	1194.4	1191.9	1191.9
12.5°	1259.7	1257.1	1257.1	1255.3	1253.7	1252.0	1246.9	1246.0	1242.7	1240.9	1238.4
15°	1311.3	1310.5	1307.0	1303.6	1302.8	1301.1	1295.1	1291.8	1291.0	1286.6	1283.3
17.5°	1362.9	1361.2	1357.1	1355.2	1351.9	1349.4	1344.2	1339.3	1336.7	1335.0	1330.8
20°	1418.0	1416.4	1412.0	1408.7	1404.5	1401.0	1393.5	1389.2	1386.7	1384.1	1380.7
22.5°	1486.6	1483.3	1476.5	1470.5	1461.1	1457.8	1447.7	1441.8	1437.5	1434.1	1432.3
25°	1561.2	1562.1	1552.7	1545.1	1534.1	1524.8	1512.0	1505.3	1500.9	1497.6	1496.8
27.5°	1654.3	1655.1	1646.6	1635.6	1618.8	1608.6	1591.7	1583.2	1580.6	1577.3	1576.4
30°	1801.7	1794.1	1779.7	1761.9	1746.7	1724.6	1700.1	1691.6	1683.1	1680.6	1680.6
32.5°	2072.7	2068.6	2056.7	2012.6	1992.3	1946.5	1903.4	1878.8	1850.9	1837.3	1828.8
35°	2262.6	2260.9	2251.6	2236.3	2223.6	2214.3	2188.8	2184.7	2179.5	2179.5	2186.3
37.5°	2402.3	2392.1	2390.5	2393.0	2389.6	2391.3	2411.6	2439.6	2463.3	2475.2	2473.5
40°	2608.9	2594.6	2603.1	2597.1	2589.5	2587.8	2594.6	2605.6	2616.6	2616.6	2614.1
42.5°	2879.2	2886.0	2889.3	2864.9	2848.7	2844.5	2860.5	2857.2	2868.2	2863.9	2853.0
45°	3280.7	3276.5	3270.6	3240.9	3215.5	3195.2	3199.4	3193.5	3194.4	3187.6	3179.1
47.5°	3685.6	3700.0	3675.4	3661.1	3632.3	3617.8	3629.6	3619.5	3639.0	3603.4	3586.5
50°	4078.8	4088.8	4080.4	4060.1	4060.1	4080.4	4094.7	4113.4	4140.5	4099.9	4038.8
52.5°	4400.5	4409.0	4421.8	4438.7	4480.2	4523.3	4584.5	4649.5	4701.3	4693.7	4624.2
55°	4597.1	4607.3	4628.4	4686.8	4761.5	4874.9	5013.1	5164.6	5283.2	5340.8	5289.9
57.5°	4663.2	4670.8	4728.4	4798.8	4914.7	5083.3	5314.6	5576.3	5804.1	5949.0	5926.1
60°	4647.9	4647.9	4706.3	4802.9	4965.6	5189.2	5516.1	5878.8	6227.8	6444.6	6412.4
62.5°	4487.9	4496.3	4580.1	4696.2	4892.6	5160.4	5550.1	6013.5	6431.0	6700.3	6674.1
65°	4137.2	4143.0	4233.7	4371.8	4591.2	4908.0	5334.1	5847.4	6325.9	6585.2	6536.0
67.5°	3570.5	3576.4	3650.1	3805.9	4038.0	4369.2	4829.2	5394.2	5862.6	6067.6	5920.2
70°	2840.2	2857.2	2904.7	3069.8	3246.0	3570.4	3994.0	4559.0	5001.1	5195.1	5032.5
72.5°	1935.5	1978.8	2036.4	2183.0	2351.5	2620.8	2957.9	3434.0	3788.9	4013.5	3868.6
75°	1090.2	1151.2	1168.9	1279.9	1418.9	1631.5	1877.9	2219.3	2577.6	2759.8	2585.3
77.5°	471.0	520.9	543.0	594.6	703.0	792.0	942.0	1172.4	1449.3	1577.3	1368.1
80°	232.1	243.9	253.3	269.4	299.9	328.7	399.8	500.6	614.1	642.9	511.7
82.5°	179.6	188.0	204.1	216.8	224.5	232.1	238.9	252.4	263.4	269.4	254.1
85°	126.2	137.2	155.0	169.4	177.8	183.8	189.7	194.0	183.8	167.7	176.2
87.5°	33.0	43.2	60.1	65.3	73.7	77.9	76.3	78.8	71.2	51.7	57.6
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°	70°	75°	80°	85°	90°
0°	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7
2.5°	1093.6	1092.7	1093.6	1093.6	1093.6	1092.6	1092.7	1092.7
5°	1113.1	1113.1	1113.9	1112.1	1112.1	1113.1	1112.2	1111.4
7.5°	1146.1	1145.3	1145.3	1144.5	1145.3	1144.5	1144.5	1143.5
10°	1190.2	1188.4	1189.3	1186.7	1186.7	1185.9	1185.9	1185.9
12.5°	1237.5	1235.0	1235.9	1233.4	1229.1	1229.9	1230.9	1229.9
15°	1283.3	1280.7	1278.2	1276.5	1274.0	1274.8	1274.8	1274.0
17.5°	1329.9	1324.9	1323.9	1321.5	1320.6	1320.6	1320.6	1321.5
20°	1378.2	1374.8	1373.9	1371.4	1370.6	1373.1	1373.9	1372.2
22.5°	1429.8	1428.2	1429.8	1428.1	1430.7	1432.4	1433.3	1431.6
25°	1495.1	1493.5	1496.0	1501.9	1505.3	1506.9	1511.2	1509.5
27.5°	1579.0	1577.2	1583.2	1591.6	1596.7	1605.2	1609.4	1611.1
30°	1687.4	1695.0	1698.3	1715.3	1718.8	1732.2	1732.2	1738.2
32.5°	1845.0	1859.3	1884.8	1911.1	1947.5	1973.7	1973.7	1987.3
35°	2190.6	2196.5	2216.0	2220.2	2227.8	2236.3	2227.8	2234.6
37.5°	2455.6	2429.4	2410.8	2384.5	2368.5	2368.5	2370.2	2368.4
40°	2591.2	2581.0	2572.6	2550.5	2547.2	2546.3	2546.3	2549.7
42.5°	2833.5	2808.9	2795.4	2776.8	2770.8	2769.0	2768.3	2769.9
45°	3148.6	3108.8	3072.3	3053.7	3037.6	3022.4	3027.5	3027.5
47.5°	3515.4	3453.5	3394.2	3362.1	3334.1	3321.3	3313.0	3310.4
50°	3961.8	3875.4	3799.2	3739.1	3698.3	3697.5	3701.8	3674.6
52.5°	4509.0	4372.5	4277.7	4196.5	4158.3	4154.0	4140.5	4125.3
55°	5115.4	4953.7	4797.0	4709.7	4659.7	4632.6	4616.6	4591.2
57.5°	5740.6	5522.9	5297.6	5157.9	5069.7	5008.7	4976.6	4962.2
60°	6222.6	5925.3	5628.0	5403.5	5257.0	5166.3	5110.4	5087.6
62.5°	6412.3	6009.1	5628.0	5333.2	5121.5	4996.1	4920.7	4887.7
65°	6186.2	5708.4	5274.7	4949.4	4713.2	4573.4	4491.2	4455.6
67.5°	5554.2	5132.4	4660.6	4337.0	4093.9	3955.9	3866.9	3840.6
70°	4656.4	4225.2	3774.5	3485.7	3268.8	3156.3	3063.8	3052.8
72.5°	3499.3	3127.5	2741.1	2502.2	2327.8	2141.5	2094.0	2117.7
75°	2243.1	1894.9	1551.1	1335.9	1176.6	998.8	930.1	947.0
77.5°	1062.2	822.5	593.8	459.1	385.4	329.5	315.1	306.6
80°	393.9	319.4	282.1	267.7	257.5	248.2	241.5	233.8
82.5°	254.9	249.0	241.5	238.9	231.3	219.4	197.3	188.1
85°	190.6	190.6	180.4	181.2	175.3	160.1	139.8	128.7
87.5°	56.0	49.9	45.8	42.4	41.5	37.3	27.2	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)