

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: P671306

Luminaire Tested: **CCP-SA-1F-835-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671306
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-835-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL2
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

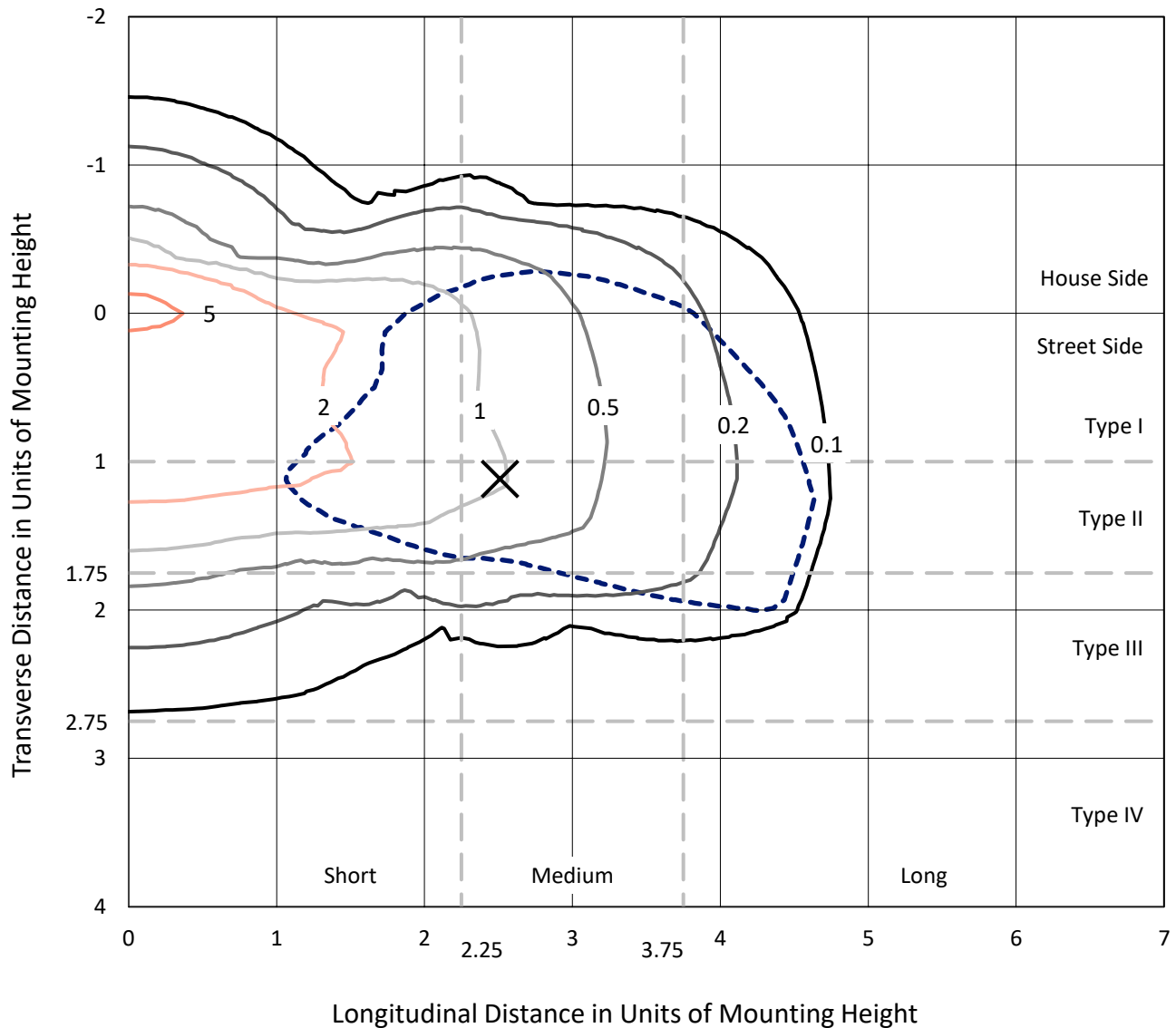
Lumens per Lamp: N/A
Luminaire Lumens: 6114.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

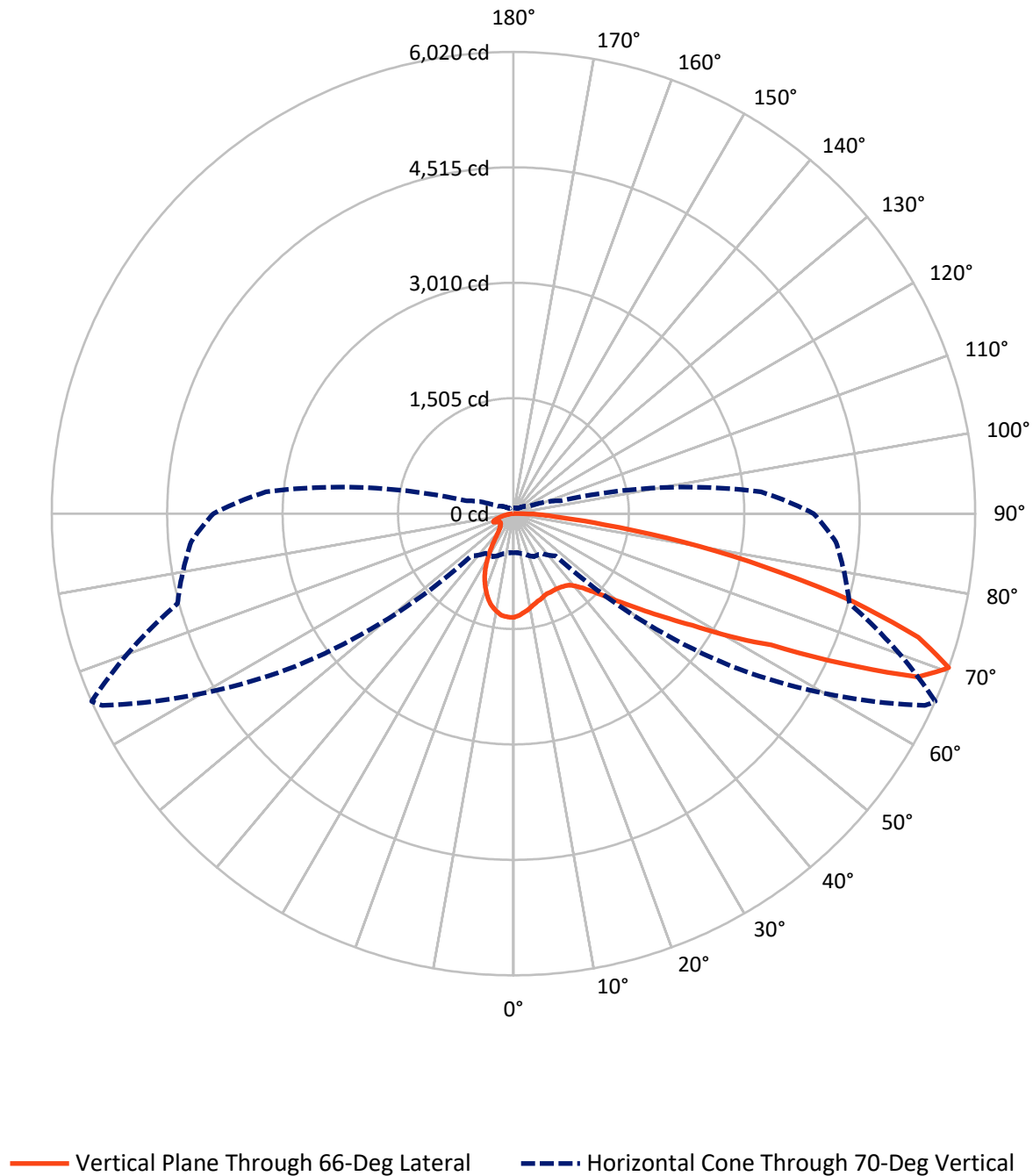
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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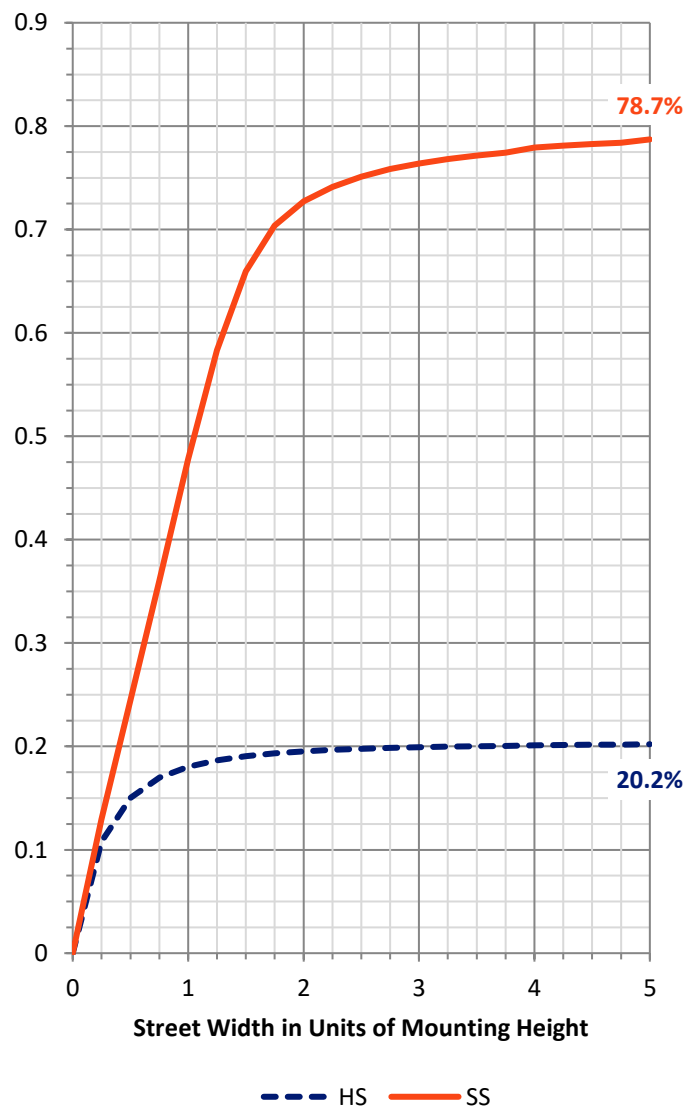
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1251.5	0.0	1251.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4862.9	0.0	4862.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	6114.4	0.0	6114.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	2.0
10°-20°	294.0	4.8
20°-30°	403.8	6.6
30°-40°	541.4	8.9
40°-50°	785.6	12.8
50°-60°	1194.1	19.5
60°-70°	1474.8	24.1
70°-80°	1096.7	17.9
80°-90°	204.6	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°	6114.4	100.0
0°-180°	6114.4	100.0



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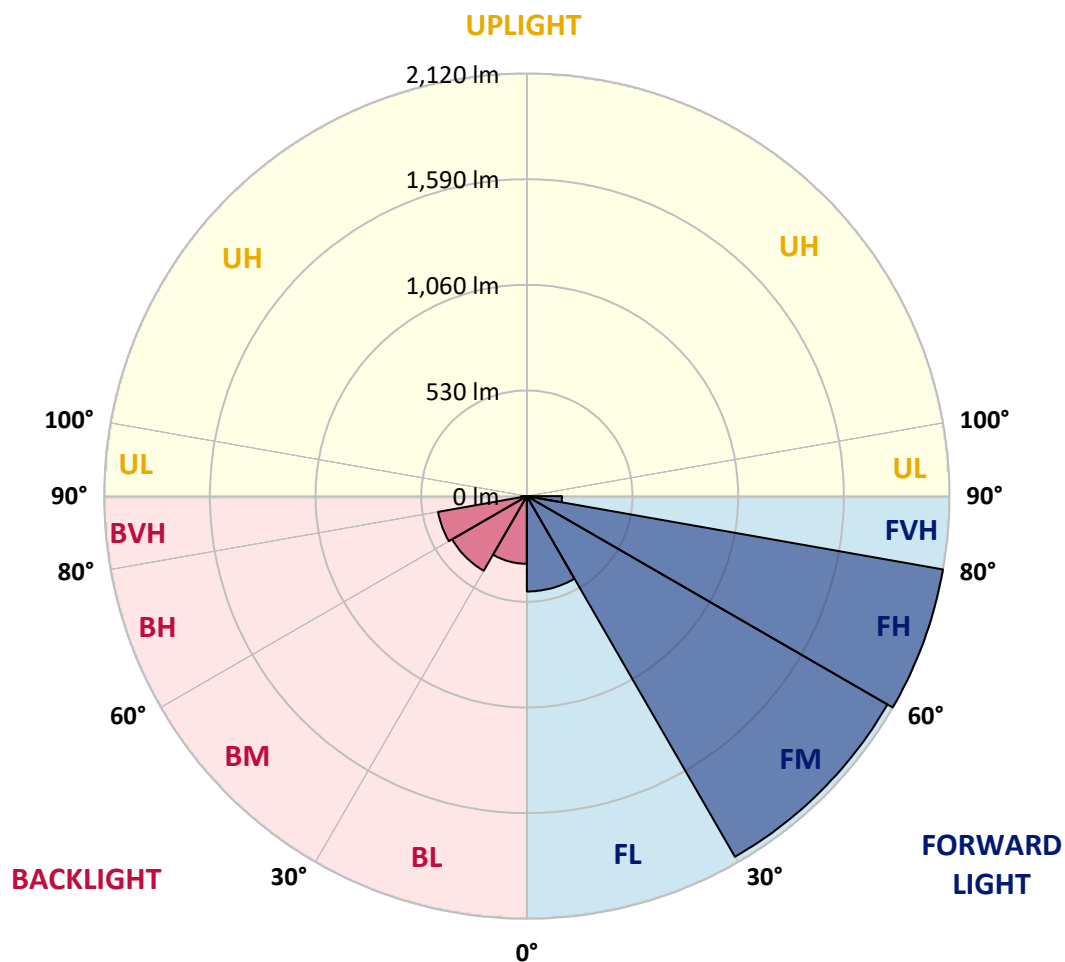
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	478.1	7.8			
FM	(30°-60°)	2088.8	34.2			
FH	(60°-80°)	2119.7	34.7			G2/5000
FVH	(80°-90°)	176.3	2.9			G2/225
BL	(0°-30°)	339.2	5.5	B1/500		
BM	(30°-60°)	432.3	7.1	B1/1000		
BH	(60°-80°)	451.8	7.4	B1/500		G1/500
BVH	(80°-90°)	28.2	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°	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9
2.5°	1284.9	1291.7	1294.0	1298.6	1309.9	1319.0	1332.7	1339.5	1332.7	1341.8	1341.8
5°	1196.2	1187.1	1209.9	1219.0	1232.6	1250.8	1282.6	1307.6	1300.8	1328.1	1350.9
7.5°	1121.2	1121.2	1128.0	1148.5	1164.4	1191.7	1225.8	1264.4	1275.8	1312.2	1346.3
10°	1052.9	1062.0	1062.0	1093.9	1103.0	1134.8	1191.7	1239.4	1241.7	1303.1	1350.9
12.5°	1016.6	1012.0	1034.7	1043.8	1071.1	1103.0	1148.5	1207.6	1209.9	1275.8	1341.8
15°	987.0	991.5	1002.9	1025.7	1050.7	1075.7	1118.9	1173.5	1184.8	1262.2	1337.2
17.5°	989.3	991.5	991.5	1007.5	1027.9	1057.5	1098.4	1162.1	1168.9	1244.0	1330.4
20°	1002.9	993.8	1000.6	1007.5	1021.1	1048.4	1082.5	1137.1	1143.9	1241.7	1346.3
22.5°	1032.5	1025.7	1023.4	1021.1	1018.8	1034.7	1078.0	1123.4	1130.3	1230.3	1353.1
25°	1080.2	1078.0	1062.0	1046.1	1034.7	1034.7	1068.9	1134.8	1132.5	1230.3	1357.7
27.5°	1137.1	1137.1	1134.8	1105.2	1071.1	1052.9	1075.7	1130.3	1128.0	1230.3	1369.1
30°	1214.4	1214.4	1207.6	1180.3	1118.9	1066.6	1080.2	1125.7	1132.5	1221.2	1360.0
32.5°	1298.6	1296.3	1303.1	1278.1	1214.4	1130.3	1107.5	1134.8	1141.6	1230.3	1362.2
35°	1360.0	1373.6	1396.3	1373.6	1309.9	1196.2	1146.2	1153.0	1157.6	1232.6	1371.3
37.5°	1430.5	1446.4	1478.2	1496.4	1428.2	1296.3	1207.6	1182.6	1182.6	1262.2	1373.6
40°	1532.8	1516.9	1571.5	1603.3	1576.0	1419.1	1303.1	1237.1	1239.4	1300.8	1403.2
42.5°	1607.8	1623.8	1680.6	1737.5	1703.4	1569.2	1407.7	1325.8	1325.8	1357.7	1448.6
45°	1692.0	1710.2	1789.8	1858.0	1883.0	1748.8	1551.0	1453.2	1448.6	1469.1	1530.5
47.5°	1785.2	1810.2	1901.2	1980.8	2046.8	1935.3	1735.2	1607.8	1605.6	1621.5	1667.0
50°	1892.1	1901.2	1976.3	2121.8	2253.7	2183.2	1960.3	1826.2	1814.8	1821.6	1883.0
52.5°	1923.9	1917.1	2003.5	2160.5	2401.5	2485.7	2267.3	2074.0	2069.5	2053.6	2133.2
55°	1808.0	1830.7	1914.9	2115.0	2522.1	2842.7	2603.9	2412.9	2372.0	2328.8	2424.3
57.5°	1576.0	1578.3	1673.8	1910.3	2428.8	3138.4	3174.7	2744.9	2747.2	2631.2	2740.4
60°	1225.8	1219.0	1294.0	1507.8	2162.7	3229.3	3797.9	3274.8	3252.1	2933.7	3033.7
62.5°	884.7	871.0	886.9	1012.0	1616.9	3090.6	4409.6	3868.4	3772.8	3243.0	3320.3
65°	727.7	734.6	741.4	748.2	907.4	2549.3	4598.4	4837.2	4709.8	3604.6	3636.4
67.5°	602.7	607.2	636.8	677.7	673.2	1505.5	4380.1	5733.2	5685.4	4052.6	3909.3
70°	511.7	509.4	543.5	618.6	629.9	782.3	3468.1	5917.4	6019.7	4534.7	4218.6
72.5°	409.4	413.9	443.5	543.5	618.6	659.5	1996.7	5521.7	5519.4	4905.4	4052.6
75°	293.4	293.4	334.3	450.3	598.1	652.7	1105.2	4482.4	4566.5	4609.7	3515.9
77.5°	193.3	202.4	234.2	336.6	561.7	639.0	700.4	3258.9	3363.5	3447.6	2690.3
80°	131.9	136.5	156.9	234.2	475.3	643.6	573.1	2192.3	2233.2	1903.5	1091.6
82.5°	79.6	81.9	104.6	163.7	341.1	611.8	539.0	1209.9	1184.8	575.4	313.8
85°	43.2	45.5	66.0	109.2	225.1	534.4	529.9	593.6	552.6	211.5	131.9
87.5°	15.9	15.9	29.6	54.6	129.6	366.1	461.7	352.5	329.8	106.9	61.4
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°	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9	1350.9
2.5°	1353.1	1353.1	1353.1	1353.1	1350.9	1341.8	1348.6	1346.3	1332.7	1334.9	1325.8
5°	1348.6	1360.0	1353.1	1344.0	1332.7	1305.4	1296.3	1289.5	1271.3	1264.4	1271.3
7.5°	1360.0	1350.9	1346.3	1330.4	1284.9	1259.9	1228.1	1189.4	1162.1	1155.3	1162.1
10°	1357.7	1357.7	1337.2	1291.7	1248.5	1175.7	1134.8	1066.6	1027.9	1016.6	1018.8
12.5°	1348.6	1355.4	1323.6	1250.8	1168.9	1080.2	1005.2	932.4	864.2	836.9	832.3
15°	1357.7	1350.9	1294.0	1200.8	1087.1	964.2	855.1	748.2	684.5	643.6	634.5
17.5°	1344.0	1337.2	1255.3	1132.5	980.2	823.2	686.8	570.8	507.1	491.2	491.2
20°	1360.0	1316.7	1209.9	1050.7	868.7	668.6	514.0	427.5	411.6	411.6	416.2
22.5°	1357.7	1312.2	1171.2	971.1	734.6	504.9	382.1	357.0	359.3	377.5	375.2
25°	1344.0	1303.1	1116.6	882.4	593.6	379.8	316.1	309.3	325.2	345.7	343.4
27.5°	1341.8	1278.1	1066.6	777.8	452.6	300.2	275.2	275.2	291.1	309.3	307.0
30°	1328.1	1257.6	1005.2	659.5	341.1	261.5	252.4	252.4	259.3	268.4	268.4
32.5°	1325.8	1230.3	937.0	536.7	272.9	236.5	232.0	234.2	234.2	238.8	236.5
35°	1307.6	1193.9	866.5	416.2	236.5	222.9	218.3	216.0	216.0	213.8	213.8
37.5°	1300.8	1171.2	793.7	322.9	220.6	211.5	206.9	200.1	197.9	197.9	195.6
40°	1307.6	1148.5	723.2	261.5	206.9	202.4	195.6	186.5	184.2	184.2	184.2
42.5°	1332.7	1146.2	650.4	227.4	200.1	193.3	184.2	175.1	172.8	175.1	172.8
45°	1389.5	1164.4	579.9	211.5	191.0	184.2	172.8	166.0	163.7	166.0	166.0
47.5°	1482.8	1214.4	516.2	202.4	184.2	175.1	163.7	156.9	156.9	156.9	156.9
50°	1637.4	1309.9	454.8	195.6	179.7	168.3	156.9	147.8	145.5	145.5	147.8
52.5°	1869.4	1473.7	404.8	191.0	172.8	159.2	147.8	141.0	136.5	134.2	136.5
55°	2149.1	1712.5	388.9	186.5	163.7	152.4	141.0	131.9	127.4	127.4	125.1
57.5°	2449.3	1976.3	416.2	181.9	156.9	143.3	131.9	122.8	118.3	116.0	116.0
60°	2774.5	2287.8	516.2	179.7	150.1	134.2	122.8	116.0	109.2	106.9	106.9
62.5°	3070.1	2569.8	695.9	177.4	145.5	125.1	113.7	104.6	100.1	97.8	97.8
65°	3406.7	2883.6	871.0	186.5	143.3	118.3	104.6	95.5	91.0	88.7	88.7
67.5°	3700.1	3156.5	973.3	209.2	150.1	109.2	93.2	86.4	84.1	81.9	81.9
70°	3913.8	3240.7	652.7	229.7	161.5	102.3	84.1	79.6	75.0	75.0	75.0
72.5°	3627.3	2892.7	386.6	216.0	152.4	95.5	75.0	70.5	68.2	68.2	66.0
75°	3102.0	2462.9	297.9	175.1	122.8	81.9	66.0	61.4	59.1	59.1	56.9
77.5°	2290.1	1764.8	220.6	138.7	95.5	66.0	56.9	54.6	52.3	50.0	50.0
80°	896.0	773.2	150.1	102.3	70.5	52.3	47.8	45.5	43.2	40.9	40.9
82.5°	277.4	234.2	86.4	68.2	50.0	40.9	38.7	36.4	34.1	31.8	31.8
85°	120.5	116.0	56.9	43.2	34.1	27.3	27.3	25.0	22.7	20.5	20.5
87.5°	59.1	56.9	31.8	20.5	18.2	13.6	13.6	11.4	9.1	9.1	9.1
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)