

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: P671218

Luminaire Tested: **CCP-SA-1F-727-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671218
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6205.7 lumens
Efficiency: N/A
Efficacy: 92.6 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): 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

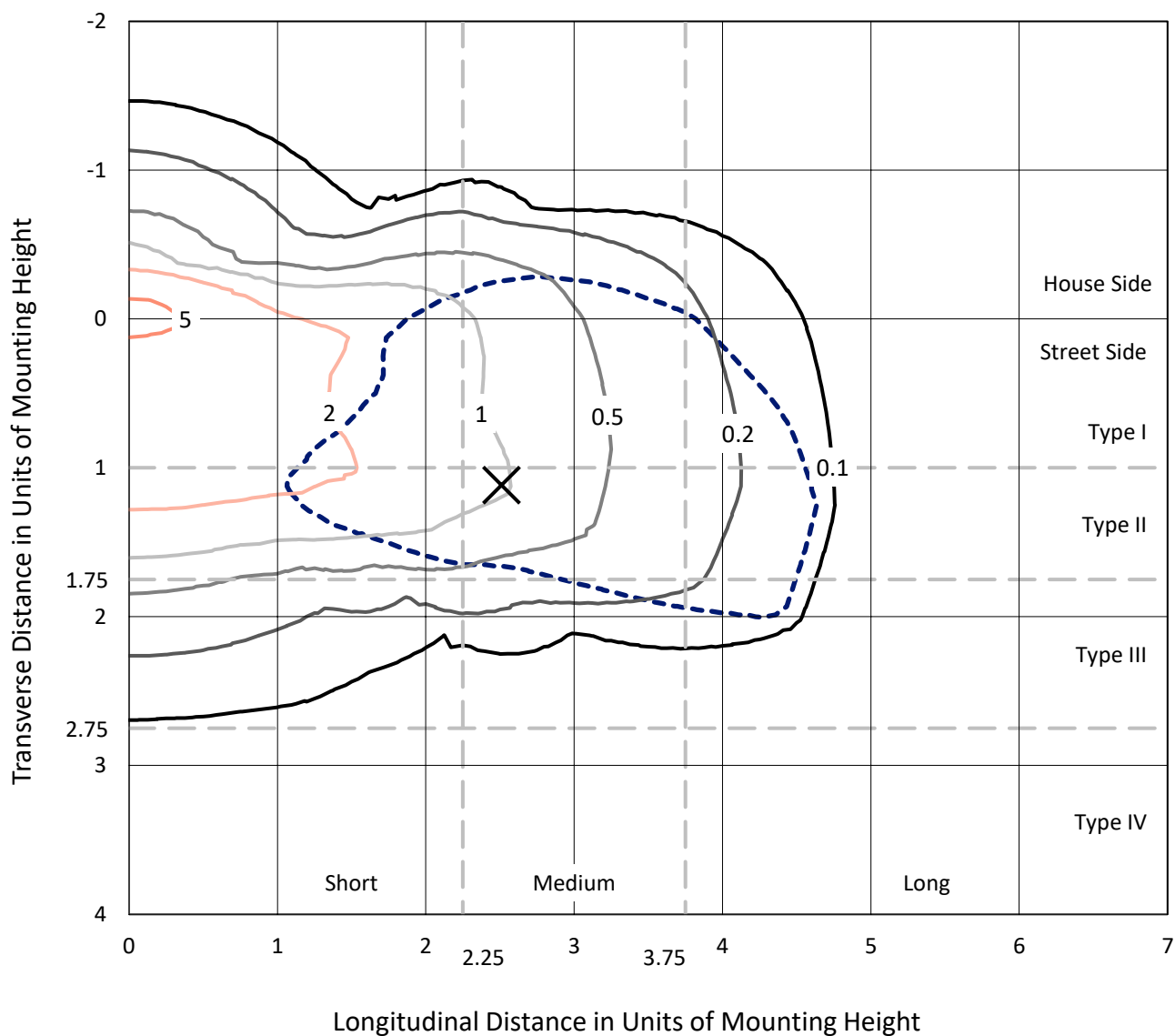
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

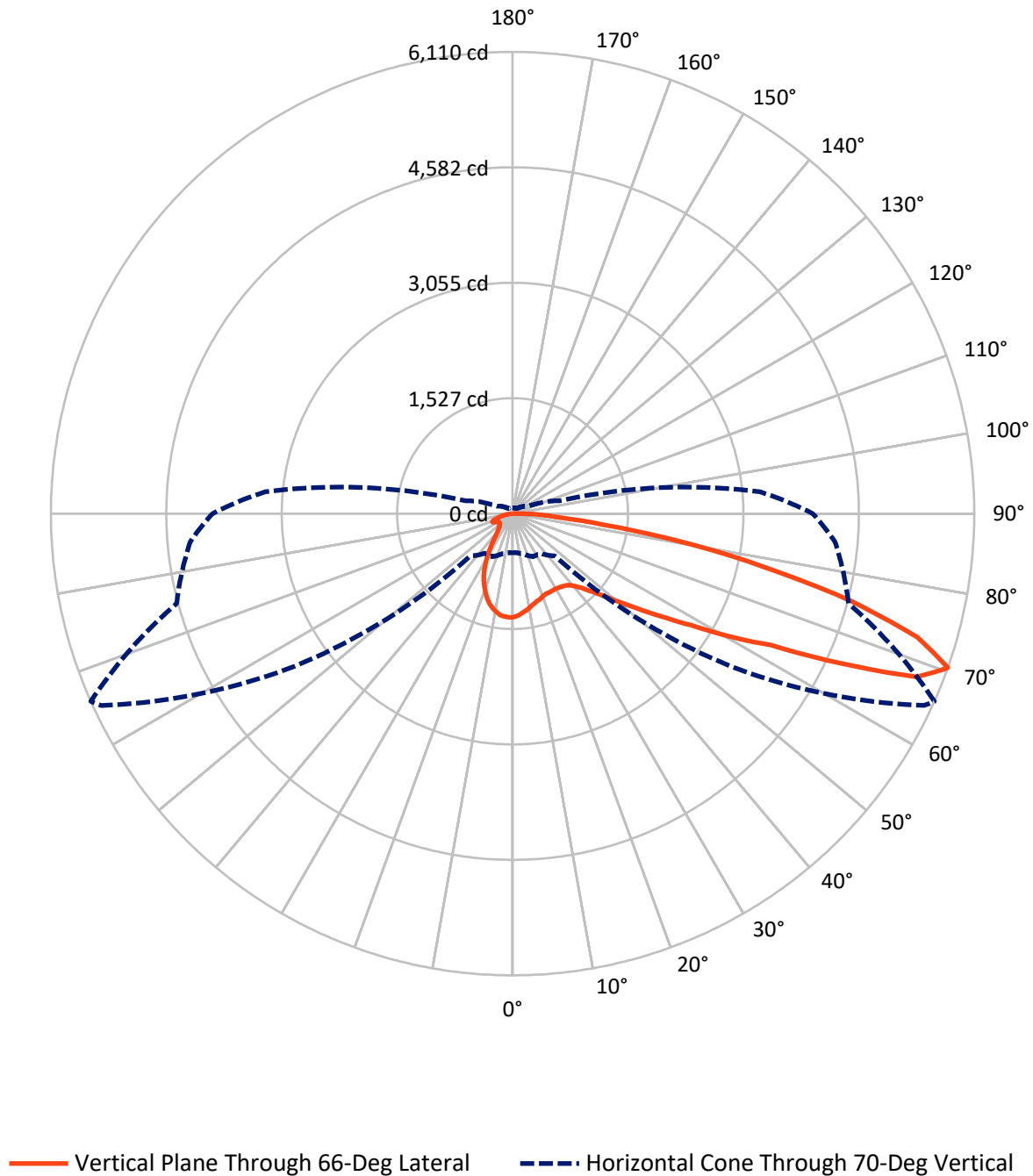


Based on 15 foot mounting height. Maximum calculated value = 6.1 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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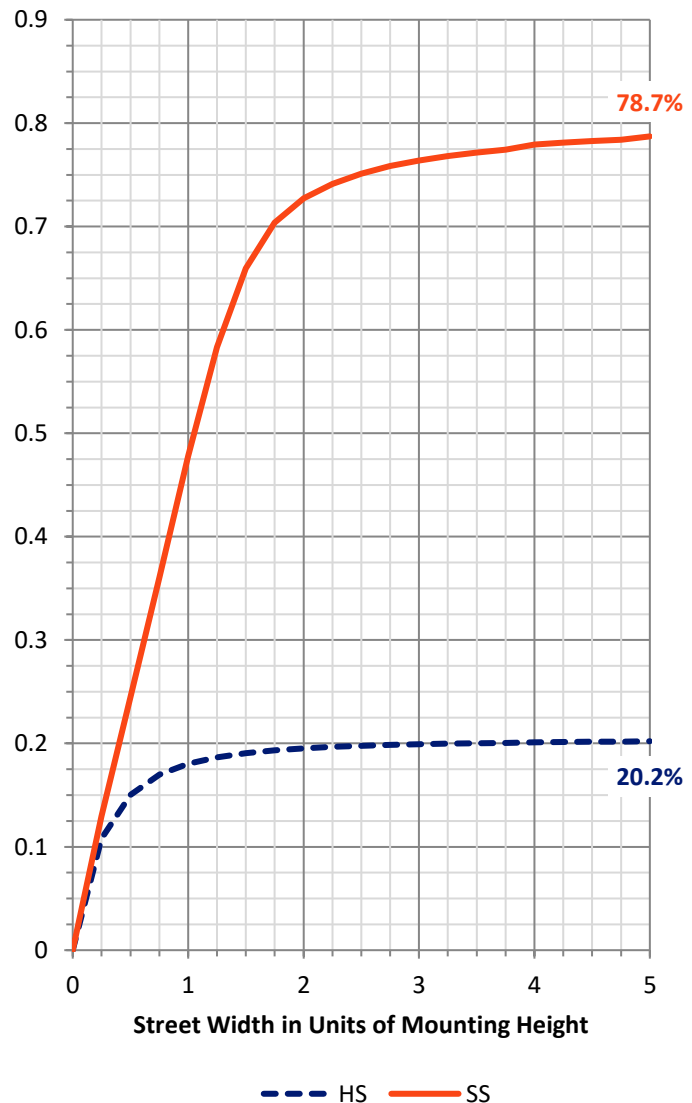
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.2	0.0	1270.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4935.4	0.0	4935.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	6205.7	0.0	6205.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	2.0
10°-20°	298.4	4.8
20°-30°	409.9	6.6
30°-40°	549.5	8.9
40°-50°	797.3	12.8
50°-60°	1211.9	19.5
60°-70°	1496.8	24.1
70°-80°	1113.0	17.9
80°-90°	207.6	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°	6205.7	100.0
0°-180°	6205.7	100.0

Coefficient of Utilization



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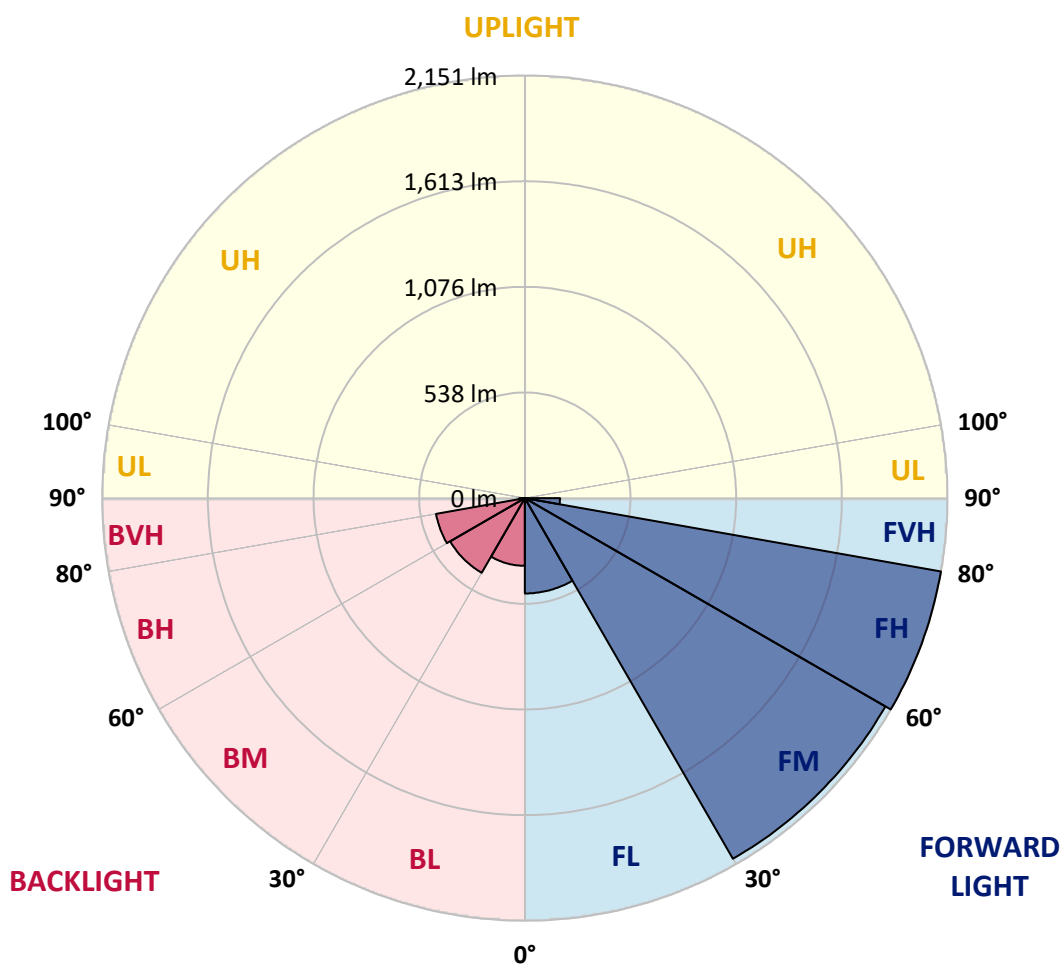
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.2	7.8			
FM	(30°-60°)	2119.9	34.2			
FH	(60°-80°)	2151.3	34.7			G2/5000
FVH	(80°-90°)	179.0	2.9			G2/225
BL	(0°-30°)	344.3	5.5	B1/500		
BM	(30°-60°)	438.8	7.1	B1/1000		
BH	(60°-80°)	458.5	7.4	B1/500		G1/500
BVH	(80°-90°)	28.6	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°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0
2.5°	1304.1	1311.0	1313.3	1317.9	1329.5	1338.7	1352.6	1359.5	1352.6	1361.8	1361.8
5°	1214.1	1204.8	1227.9	1237.2	1251.0	1269.5	1301.8	1327.2	1320.2	1347.9	1371.0
7.5°	1137.9	1137.9	1144.8	1165.6	1181.8	1209.5	1244.1	1283.3	1294.9	1331.8	1366.4
10°	1068.7	1077.9	1077.9	1110.2	1119.4	1151.8	1209.5	1257.9	1260.2	1322.6	1371.0
12.5°	1031.7	1027.1	1050.2	1059.4	1087.1	1119.4	1165.6	1225.6	1227.9	1294.9	1361.8
15°	1001.7	1006.3	1017.9	1041.0	1066.4	1091.7	1135.6	1191.0	1202.5	1281.0	1357.2
17.5°	1004.0	1006.3	1006.3	1022.5	1043.3	1073.3	1114.8	1179.4	1186.4	1262.5	1350.2
20°	1017.9	1008.6	1015.6	1022.5	1036.3	1064.0	1098.7	1154.1	1161.0	1260.2	1366.4
22.5°	1047.9	1041.0	1038.7	1036.3	1034.0	1050.2	1094.0	1140.2	1147.1	1248.7	1373.3
25°	1096.4	1094.0	1077.9	1061.7	1050.2	1050.2	1084.8	1151.8	1149.4	1248.7	1377.9
27.5°	1154.1	1154.1	1151.8	1121.7	1087.1	1068.7	1091.7	1147.1	1144.8	1248.7	1389.5
30°	1232.5	1232.5	1225.6	1197.9	1135.6	1082.5	1096.4	1142.5	1149.4	1239.5	1380.3
32.5°	1317.9	1315.6	1322.6	1297.2	1232.5	1147.1	1124.1	1151.8	1158.7	1248.7	1382.6
35°	1380.3	1394.1	1417.2	1394.1	1329.5	1214.1	1163.3	1170.2	1174.8	1251.0	1391.8
37.5°	1451.8	1468.0	1500.3	1518.7	1449.5	1315.6	1225.6	1200.2	1200.2	1281.0	1394.1
40°	1555.7	1539.5	1594.9	1627.2	1599.5	1440.3	1322.6	1255.6	1257.9	1320.2	1424.1
42.5°	1631.8	1648.0	1705.7	1763.4	1728.8	1592.6	1428.7	1345.6	1345.6	1377.9	1470.3
45°	1717.2	1735.7	1816.5	1885.7	1911.1	1774.9	1574.1	1474.9	1470.3	1491.0	1553.4
47.5°	1811.9	1837.3	1929.6	2010.4	2077.3	1964.2	1761.1	1631.8	1629.5	1645.7	1691.8
50°	1920.4	1929.6	2005.8	2153.5	2287.3	2215.8	1989.6	1853.4	1841.9	1848.8	1911.1
52.5°	1952.7	1945.7	2033.5	2192.7	2437.4	2522.8	2301.2	2105.0	2100.4	2084.2	2165.0
55°	1835.0	1858.0	1943.4	2146.5	2559.7	2885.1	2642.8	2448.9	2407.4	2363.5	2460.5
57.5°	1599.5	1601.8	1698.8	1938.8	2465.1	3185.2	3222.1	2785.9	2788.2	2670.5	2781.3
60°	1244.1	1237.2	1313.3	1530.3	2195.0	3277.5	3854.6	3323.7	3300.6	2977.5	3079.0
62.5°	897.9	884.0	900.2	1027.1	1641.1	3136.7	4475.4	3926.1	3829.2	3291.4	3369.9
65°	738.6	745.5	752.4	759.4	920.9	2587.4	4667.0	4909.4	4780.1	3658.4	3690.7
67.5°	611.7	616.3	646.3	687.8	683.2	1528.0	4445.4	5818.8	5770.3	4113.1	3967.7
70°	519.3	517.0	551.6	627.8	639.3	794.0	3519.9	6005.7	6109.6	4602.4	4281.6
72.5°	415.5	420.1	450.1	551.6	627.8	669.4	2026.5	5604.1	5601.8	4978.6	4113.1
75°	297.7	297.7	339.3	457.0	607.0	662.4	1121.7	4549.3	4634.7	4678.6	3568.3
77.5°	196.2	205.4	237.7	341.6	570.1	648.6	710.9	3307.5	3413.7	3499.1	2730.5
80°	133.9	138.5	159.3	237.7	482.4	653.2	581.6	2225.0	2266.6	1931.9	1107.9
82.5°	80.8	83.1	106.2	166.2	346.2	620.9	547.0	1227.9	1202.5	584.0	318.5
85°	43.9	46.2	66.9	110.8	228.5	542.4	537.8	602.4	560.9	214.7	133.9
87.5°	16.2	16.2	30.0	55.4	131.6	371.6	468.5	357.8	334.7	108.5	62.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0	1371.0
2.5°	1373.3	1373.3	1373.3	1373.3	1371.0	1361.8	1368.7	1366.4	1352.6	1354.9	1345.6
5°	1368.7	1380.3	1373.3	1364.1	1352.6	1324.9	1315.6	1308.7	1290.2	1283.3	1290.2
7.5°	1380.3	1371.0	1366.4	1350.2	1304.1	1278.7	1246.4	1207.1	1179.4	1172.5	1179.4
10°	1377.9	1377.9	1357.2	1311.0	1267.2	1193.3	1151.8	1082.5	1043.3	1031.7	1034.0
12.5°	1368.7	1375.6	1343.3	1269.5	1186.4	1096.4	1020.2	946.3	877.1	849.4	844.8
15°	1377.9	1371.0	1313.3	1218.7	1103.3	978.6	867.9	759.4	694.7	653.2	644.0
17.5°	1364.1	1357.2	1274.1	1149.4	994.8	835.5	697.1	579.3	514.7	498.6	498.6
20°	1380.3	1336.4	1227.9	1066.4	881.7	678.6	521.6	433.9	417.8	417.8	422.4
22.5°	1377.9	1331.8	1188.7	985.6	745.5	512.4	387.8	362.4	364.7	383.1	380.8
25°	1364.1	1322.6	1133.3	895.5	602.4	385.5	320.8	313.9	330.1	350.8	348.5
27.5°	1361.8	1297.2	1082.5	789.4	459.3	304.7	279.3	279.3	295.4	313.9	311.6
30°	1347.9	1276.4	1020.2	669.4	346.2	265.4	256.2	256.2	263.1	272.4	272.4
32.5°	1345.6	1248.7	950.9	544.7	277.0	240.0	235.4	237.7	237.7	242.4	240.0
35°	1327.2	1211.8	879.4	422.4	240.0	226.2	221.6	219.3	219.3	217.0	217.0
37.5°	1320.2	1188.7	805.5	327.8	223.9	214.7	210.0	203.1	200.8	200.8	198.5
40°	1327.2	1165.6	734.0	265.4	210.0	205.4	198.5	189.3	187.0	187.0	187.0
42.5°	1352.6	1163.3	660.1	230.8	203.1	196.2	187.0	177.7	175.4	177.7	175.4
45°	1410.3	1181.8	588.6	214.7	193.9	187.0	175.4	168.5	166.2	168.5	168.5
47.5°	1504.9	1232.5	523.9	205.4	187.0	177.7	166.2	159.3	159.3	159.3	159.3
50°	1661.8	1329.5	461.6	198.5	182.3	170.8	159.3	150.0	147.7	147.7	150.0
52.5°	1897.3	1495.7	410.8	193.9	175.4	161.6	150.0	143.1	138.5	136.2	138.5
55°	2181.2	1738.0	394.7	189.3	166.2	154.6	143.1	133.9	129.3	129.3	126.9
57.5°	2485.8	2005.8	422.4	184.6	159.3	145.4	133.9	124.6	120.0	117.7	117.7
60°	2815.9	2322.0	523.9	182.3	152.3	136.2	124.6	117.7	110.8	108.5	108.5
62.5°	3116.0	2608.2	706.3	180.0	147.7	126.9	115.4	106.2	101.6	99.2	99.2
65°	3457.6	2926.7	884.0	189.3	145.4	120.0	106.2	96.9	92.3	90.0	90.0
67.5°	3755.3	3203.7	987.9	212.3	152.3	110.8	94.6	87.7	85.4	83.1	83.1
70°	3972.3	3289.1	662.4	233.1	163.9	103.9	85.4	80.8	76.2	76.2	76.2
72.5°	3681.4	2935.9	392.4	219.3	154.6	96.9	76.2	71.6	69.2	69.2	66.9
75°	3148.3	2499.7	302.4	177.7	124.6	83.1	66.9	62.3	60.0	60.0	57.7
77.5°	2324.3	1791.1	223.9	140.8	96.9	66.9	57.7	55.4	53.1	50.8	50.8
80°	909.4	784.8	152.3	103.9	71.6	53.1	48.5	46.2	43.9	41.5	41.5
82.5°	281.6	237.7	87.7	69.2	50.8	41.5	39.2	36.9	34.6	32.3	32.3
85°	122.3	117.7	57.7	43.9	34.6	27.7	27.7	25.4	23.1	20.8	20.8
87.5°	60.0	57.7	32.3	20.8	18.5	13.8	13.8	11.5	9.2	9.2	9.2
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)