

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: P676985

Luminaire Tested: **CCW-SA-1C-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676985
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

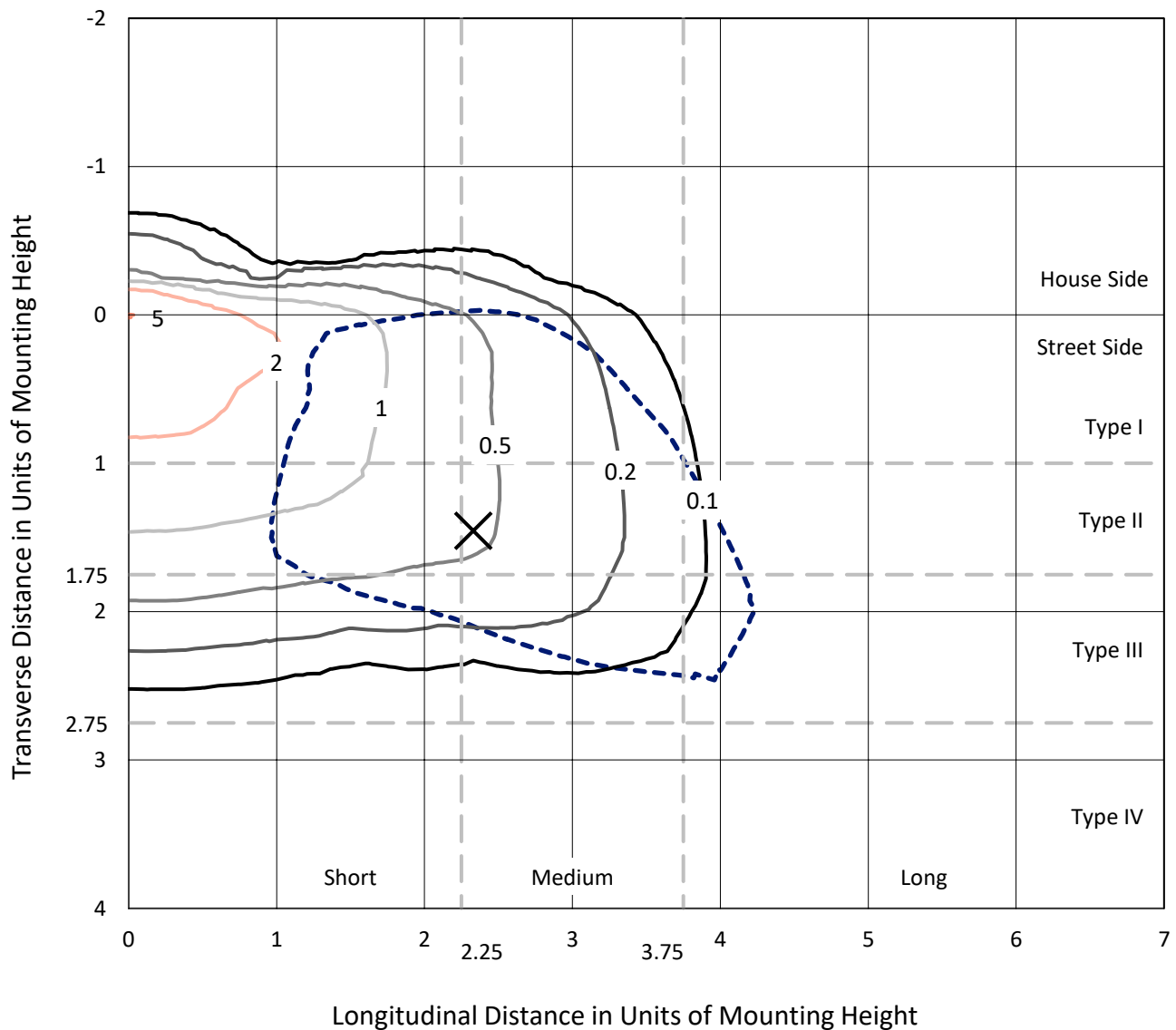
Lumens per Lamp: N/A
Luminaire Lumens: 3685 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

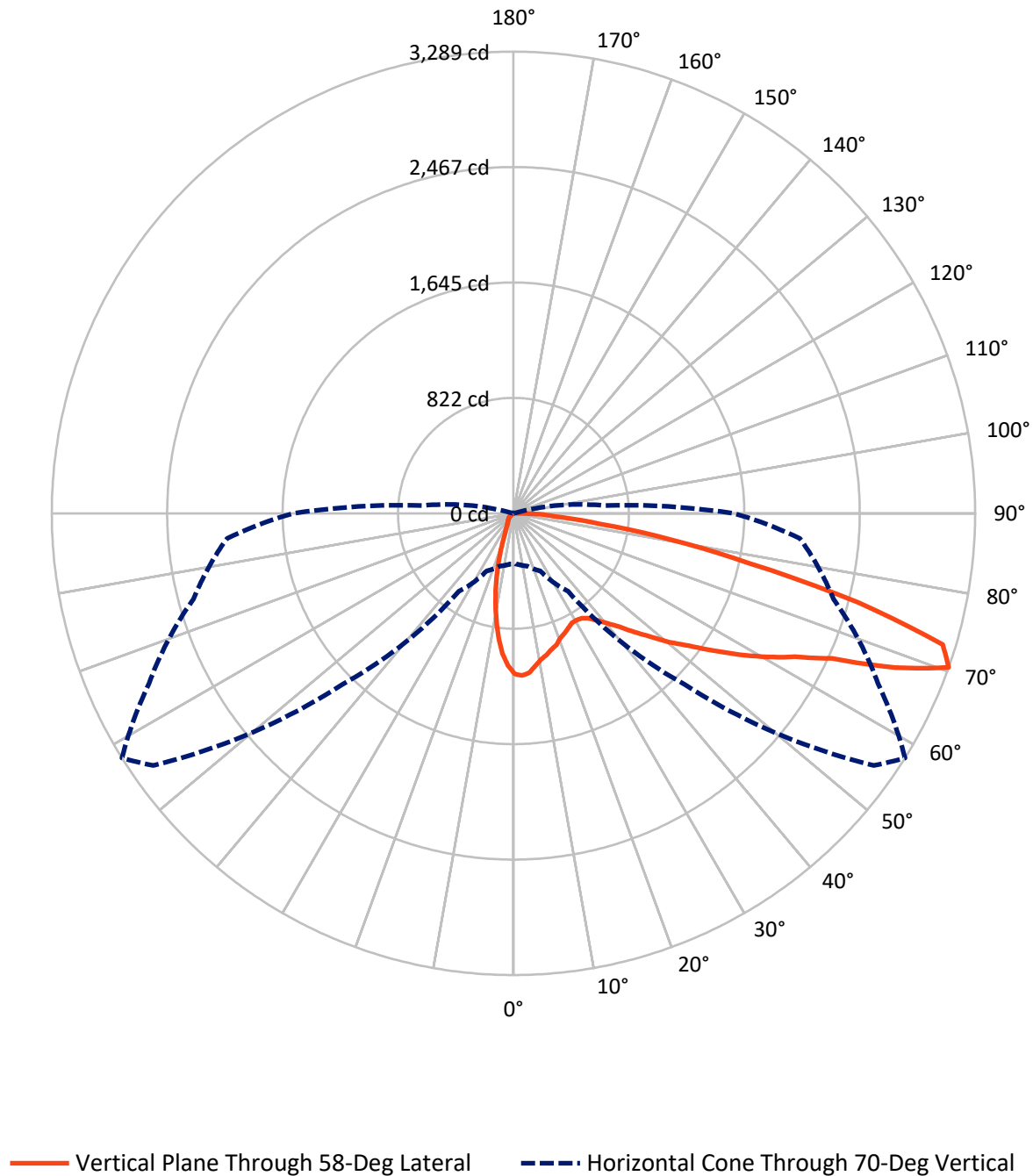
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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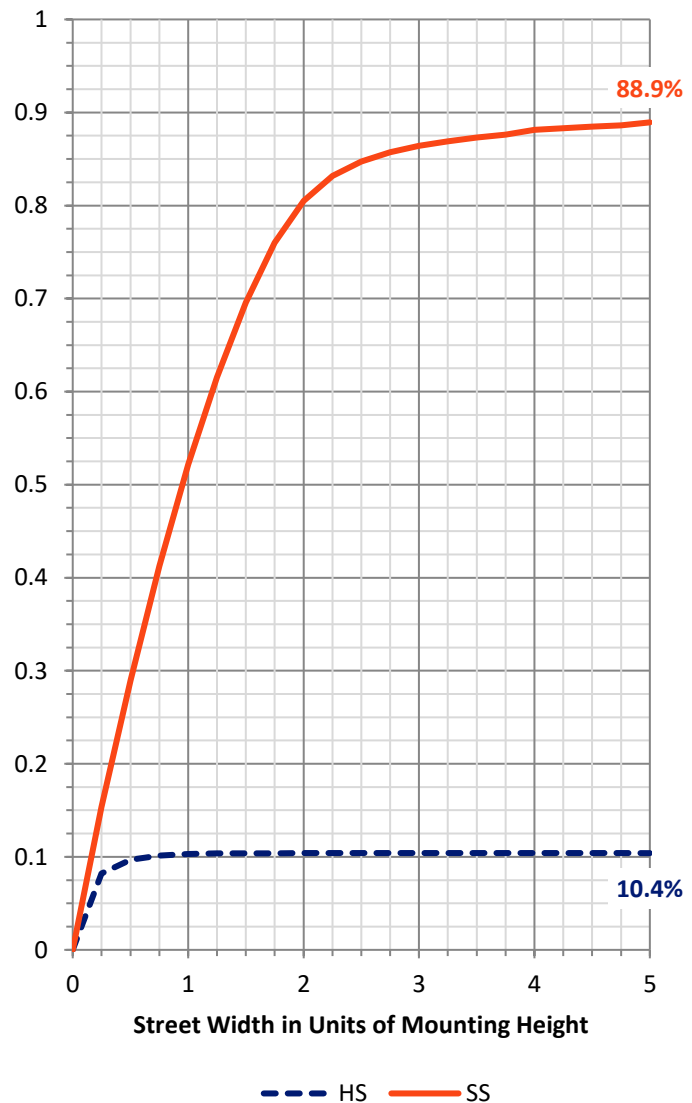
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.9	0.0	385.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3299.1	0.0	3299.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	3685.0	0.0	3685.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	2.5
10°-20°	194.3	5.3
20°-30°	260.2	7.1
30°-40°	351.7	9.5
40°-50°	504.8	13.7
50°-60°	743.9	20.2
60°-70°	907.4	24.6
70°-80°	554.1	15.0
80°-90°	75.3	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°	3685.0	100.0
0°-180°	3685.0	100.0



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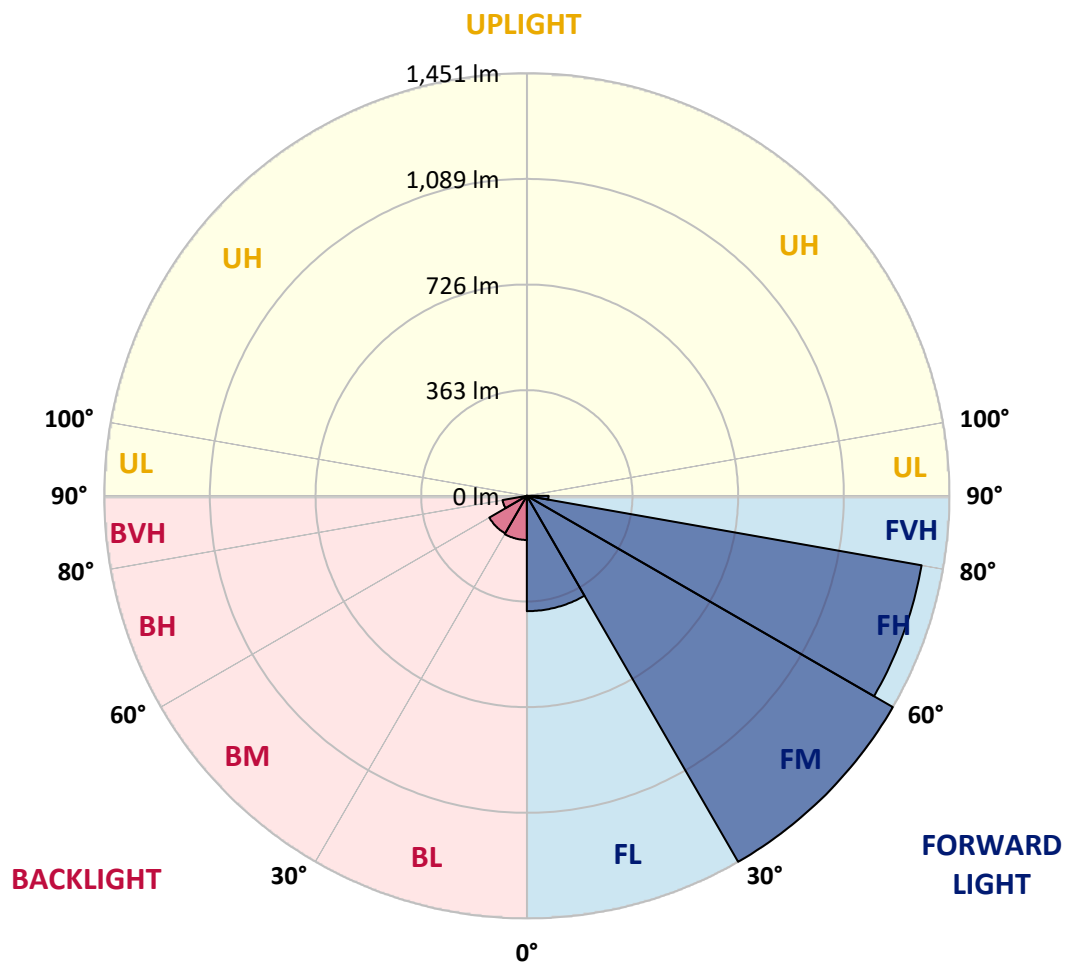
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.2	10.8			
FM	(30°-60°)	1451.5	39.4			
FH	(60°-80°)	1376.9	37.4			G1/1800
FVH	(80°-90°)	74.5	2.0			G1/100
BL	(0°-30°)	151.7	4.1	B1/500		
BM	(30°-60°)	148.9	4.0	B0/220		
BH	(60°-80°)	84.6	2.3	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9
2.5°	1164.7	1169.0	1158.6	1170.7	1159.5	1164.7	1158.6	1156.9	1157.7	1158.6	1151.7
5°	1110.2	1120.6	1124.9	1118.0	1134.4	1131.8	1142.2	1143.1	1138.7	1134.4	1135.3
7.5°	1038.5	1048.9	1053.2	1057.5	1073.9	1095.5	1109.4	1100.7	1107.6	1123.2	1099.9
10°	986.7	984.1	983.2	991.9	1023.0	1041.1	1064.4	1061.8	1079.1	1093.8	1074.8
12.5°	922.7	917.6	933.1	940.0	967.7	999.6	1017.8	1036.8	1054.1	1069.6	1048.0
15°	875.2	879.5	885.6	900.3	920.1	962.5	989.3	1007.4	1038.5	1046.3	1037.6
17.5°	837.2	840.7	849.3	857.1	882.1	922.7	965.1	986.7	1019.5	1040.2	1013.5
20°	838.1	827.7	827.7	835.5	849.3	897.7	942.6	949.5	994.4	1029.9	1011.7
22.5°	838.9	835.5	827.7	826.8	832.9	867.4	913.2	928.8	977.2	1018.6	997.0
25°	851.0	838.1	838.9	826.8	829.4	846.7	883.0	906.3	961.6	1024.7	989.3
27.5°	861.4	867.4	855.3	850.2	835.5	834.6	864.8	884.7	953.8	1038.5	994.4
30°	884.7	889.0	889.0	885.6	871.8	851.9	858.8	883.9	938.3	1035.9	985.8
32.5°	923.6	915.8	926.2	921.0	902.9	871.8	877.8	890.8	947.8	1068.8	999.6
35°	936.6	942.6	956.4	945.2	939.2	921.0	908.9	918.4	961.6	1101.6	1020.4
37.5°	976.3	967.7	977.2	1002.2	1008.3	975.4	952.1	965.9	1013.5	1140.5	1039.4
40°	979.8	986.7	1004.0	1053.2	1059.2	1045.4	1026.4	1029.9	1065.3	1190.6	1086.9
42.5°	997.0	1004.8	1040.2	1081.7	1114.5	1117.1	1103.3	1103.3	1133.5	1270.9	1139.6
45°	1030.7	1017.8	1063.6	1133.5	1181.1	1190.6	1208.7	1204.4	1228.6	1355.6	1238.1
47.5°	1043.7	1048.0	1098.1	1182.8	1237.2	1281.3	1311.5	1312.4	1324.5	1463.6	1366.0
50°	1086.0	1085.2	1145.6	1224.3	1304.6	1385.0	1443.7	1443.7	1442.9	1569.0	1475.7
52.5°	1142.2	1140.5	1187.1	1280.4	1385.0	1486.1	1563.8	1566.4	1586.3	1698.6	1601.8
55°	1233.8	1226.0	1270.9	1340.0	1465.3	1588.0	1722.8	1723.7	1708.1	1791.0	1692.5
57.5°	1310.7	1309.8	1347.0	1413.5	1555.2	1719.3	1875.7	1899.0	1849.8	1886.1	1765.1
60°	1290.8	1302.0	1378.9	1477.4	1650.2	1883.5	2040.7	2077.0	1998.4	1950.9	1819.6
62.5°	1167.2	1193.2	1277.0	1434.2	1730.6	2121.9	2268.0	2251.5	2076.2	2006.2	1886.1
65°	839.8	865.7	969.4	1205.3	1637.3	2290.4	2566.9	2492.6	2214.4	2088.3	1975.1
67.5°	494.2	504.6	569.4	768.9	1224.3	2198.8	2929.8	2935.8	2486.6	2214.4	2128.9
70°	356.8	364.6	389.7	453.6	678.2	1723.7	3131.9	3289.2	2864.1	2359.5	2047.6
72.5°	273.9	273.9	316.2	377.6	432.0	1032.5	2882.3	3197.6	2946.2	2220.4	1650.2
75°	197.0	202.2	248.0	324.9	398.3	518.4	2123.7	2537.5	2496.9	1799.7	1152.6
77.5°	113.2	115.8	174.5	272.2	374.1	356.0	1312.4	1720.2	1768.6	1126.6	499.4
80°	57.9	59.6	97.6	215.1	338.7	310.2	782.8	1132.7	960.8	327.5	115.8
82.5°	28.5	28.5	44.1	137.4	287.7	274.7	460.5	625.5	340.4	75.2	48.4
85°	9.5	10.4	19.9	77.8	208.2	165.9	281.7	297.2	114.0	28.5	26.8
87.5°	2.6	3.5	5.2	28.5	90.7	108.9	167.6	190.1	46.7	11.2	13.0
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°	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9	1143.9
2.5°	1125.8	1119.7	1112.8	1095.5	1081.7	1063.6	1051.5	1042.0	1023.8	1027.3	1019.5
5°	1114.5	1103.3	1063.6	1025.6	991.0	938.3	902.0	878.7	859.7	840.7	854.5
7.5°	1094.7	1067.9	1005.7	934.8	861.4	792.3	723.2	681.7	651.4	623.8	622.9
10°	1061.0	1017.8	920.1	827.7	714.5	623.8	535.7	466.6	421.6	388.8	387.9
12.5°	1023.0	978.0	855.3	705.0	574.6	446.7	341.3	267.8	225.5	199.6	196.1
15°	998.8	933.1	774.1	596.2	434.6	291.2	189.2	143.4	127.0	121.0	121.0
17.5°	967.7	892.5	693.8	483.0	301.5	168.5	122.7	110.6	109.7	108.0	106.3
20°	954.7	861.4	622.1	385.3	190.9	119.2	105.4	102.8	102.8	101.1	99.4
22.5°	920.1	816.5	546.0	282.5	127.0	104.5	99.4	95.9	94.2	92.4	94.2
25°	904.6	784.5	474.3	195.3	103.7	93.3	90.7	87.3	84.7	83.8	83.8
27.5°	894.2	752.5	404.3	135.6	91.6	85.5	80.4	77.8	74.3	70.8	70.8
30°	886.4	727.5	337.0	100.2	82.1	76.0	71.7	65.7	61.3	57.9	57.9
32.5°	876.1	698.1	269.6	85.5	74.3	68.3	60.5	55.3	49.2	46.7	46.7
35°	879.5	678.2	211.7	76.0	66.5	58.8	51.8	44.9	38.9	36.3	35.4
37.5°	886.4	663.5	160.7	68.3	59.6	51.0	43.2	35.4	32.0	28.5	28.5
40°	915.8	659.2	118.4	63.1	54.4	44.9	36.3	29.4	25.9	23.3	22.5
42.5°	965.1	665.3	91.6	57.0	49.2	38.0	30.2	24.2	20.7	18.1	17.3
45°	1028.1	688.6	75.2	53.6	43.2	32.0	24.2	19.9	15.6	13.8	13.8
47.5°	1119.7	724.9	65.7	49.2	38.0	26.8	20.7	15.6	12.1	10.4	10.4
50°	1223.4	766.4	57.9	44.1	32.8	22.5	16.4	12.1	8.6	7.8	7.8
52.5°	1327.1	819.1	53.6	40.6	28.5	18.1	13.0	8.6	6.0	5.2	5.2
55°	1435.9	865.7	48.4	38.0	23.3	14.7	9.5	5.2	3.5	2.6	2.6
57.5°	1512.0	883.9	42.3	32.8	18.1	11.2	6.9	3.5	1.7	0.9	0.9
60°	1566.4	886.4	36.3	26.8	13.8	8.6	4.3	1.7	0.9	0.0	0.0
62.5°	1612.2	891.6	31.1	20.7	10.4	6.0	2.6	0.9	0.0	0.0	0.0
65°	1702.9	887.3	25.1	16.4	6.9	3.5	1.7	0.0	0.0	0.0	0.0
67.5°	1774.6	844.1	19.9	11.2	4.3	1.7	0.9	0.0	0.0	0.0	0.0
70°	1569.9	643.7	15.6	7.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	1232.9	429.4	10.4	4.3	1.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	808.7	213.4	7.8	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	314.5	56.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.0	19.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	32.8	6.9	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.9	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)