

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: P675274

Luminaire Tested: **CCW-SA-2C-740-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675274
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121.3 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

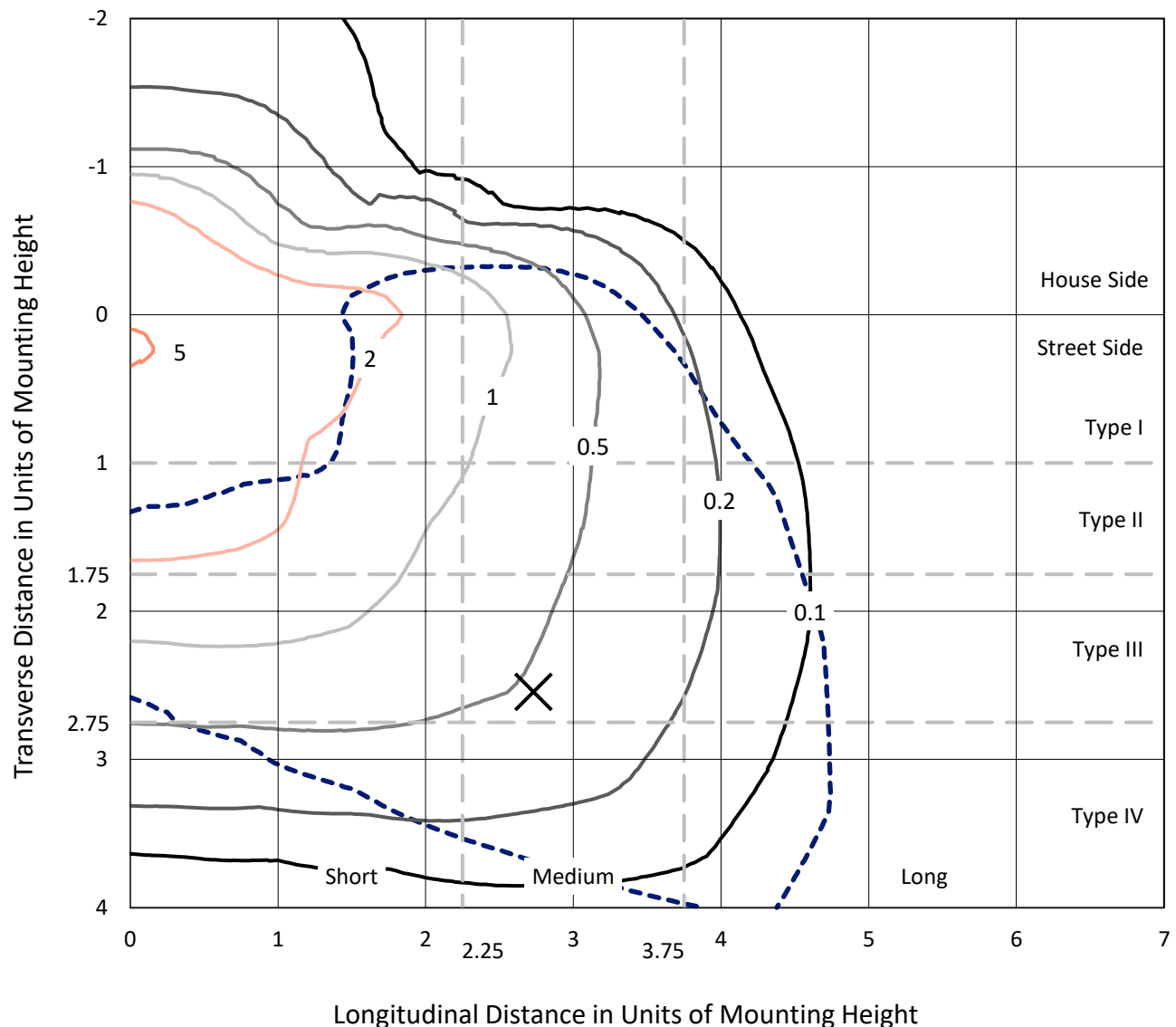
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

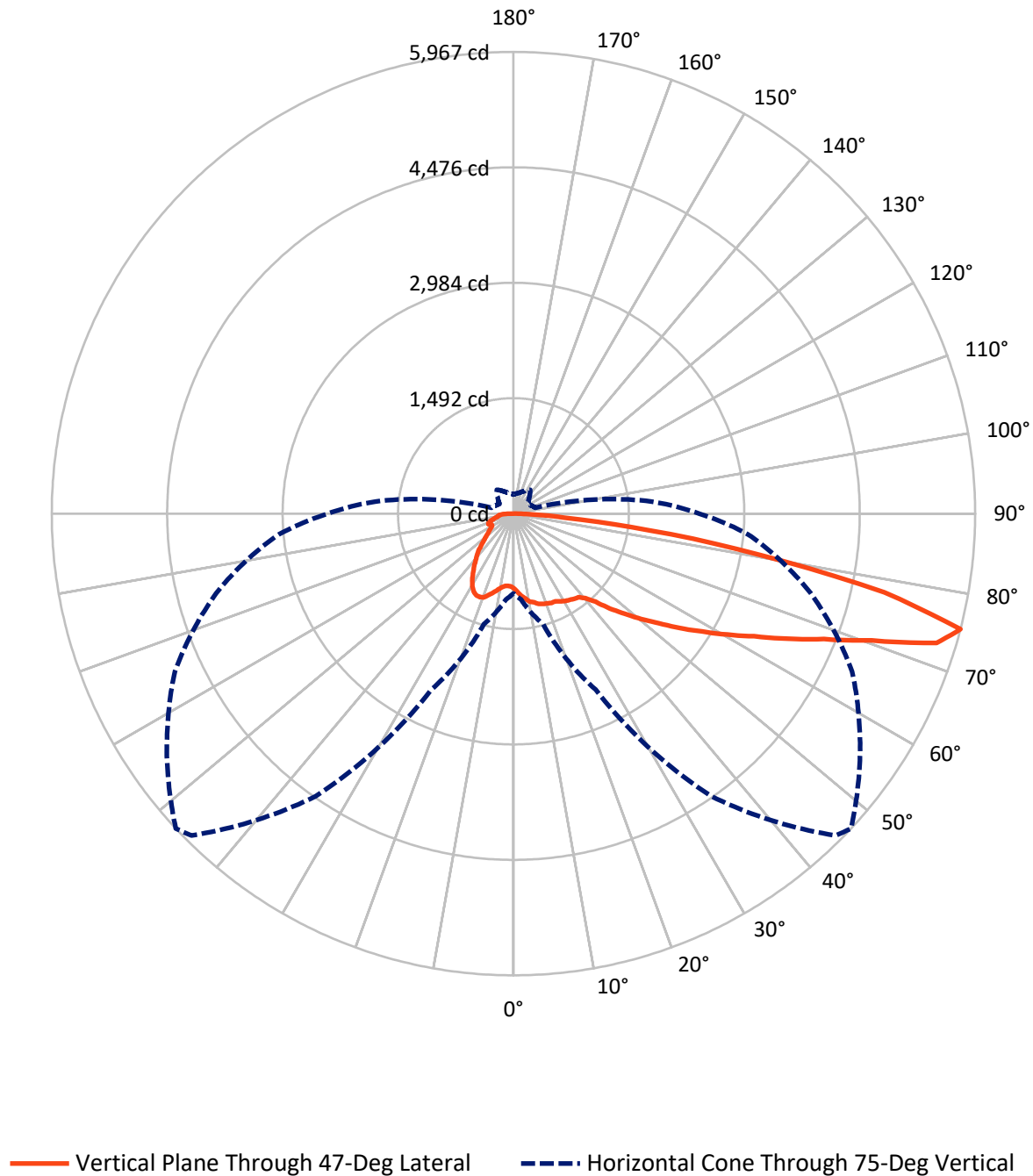
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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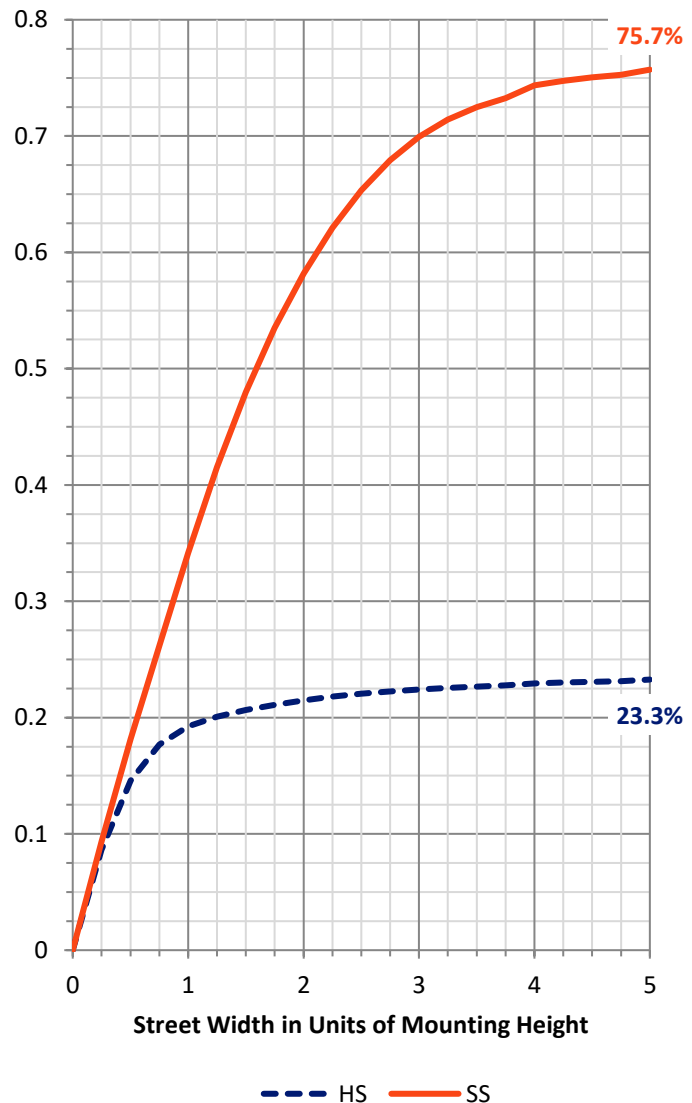
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2181.3	0.0	2181.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6940.0	0.0	6940.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	9121.3	0.0	9121.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	1.1
10°-20°	325.1	3.6
20°-30°	556.9	6.1
30°-40°	779.2	8.5
40°-50°	1086.4	11.9
50°-60°	1623.9	17.8
60°-70°	2341.3	25.7
70°-80°	1993.0	21.8
80°-90°	317.5	3.5
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°	9121.3	100.0
0°-180°	9121.3	100.0

Coefficient of Utilization



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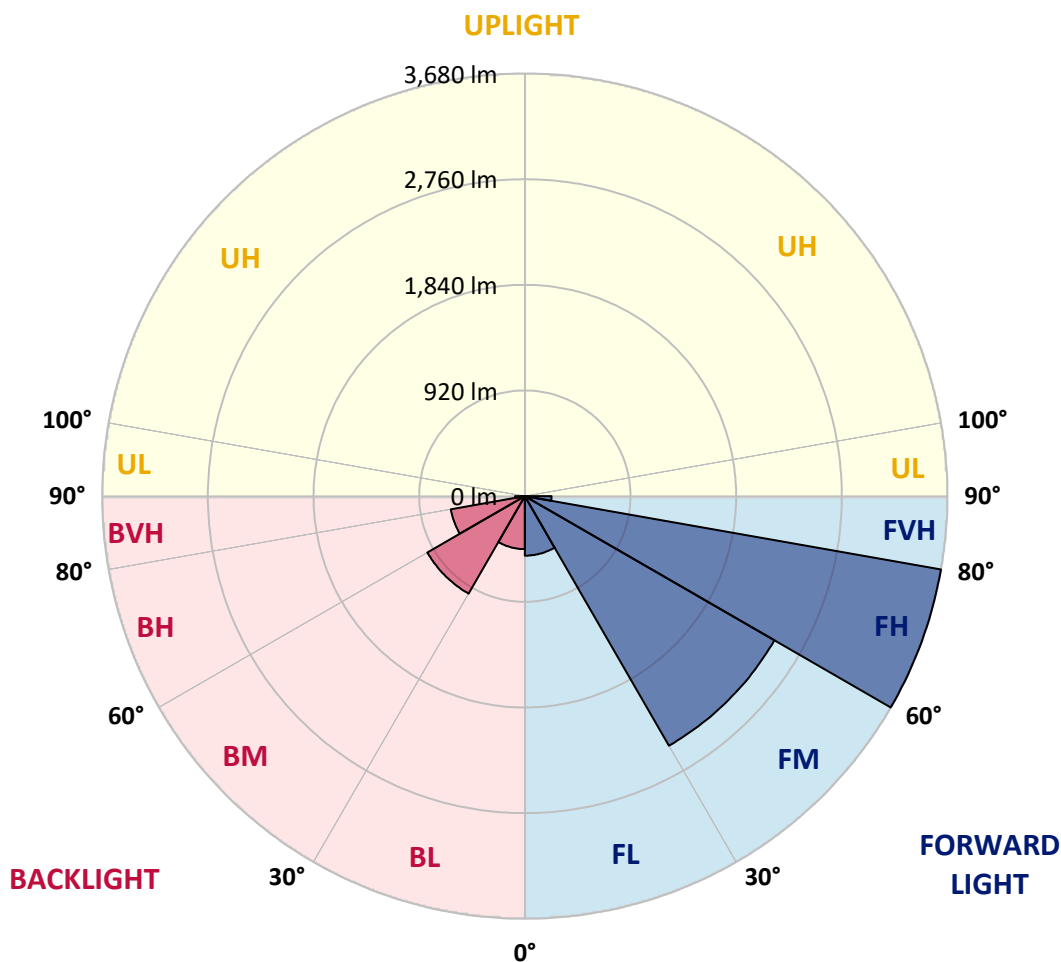
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	518.2	5.7			
FM	(30°-60°)	2509.2	27.5			
FH	(60°-80°)	3679.9	40.3			G2/5000
FVH	(80°-90°)	232.6	2.6			G3/500
BL	(0°-30°)	461.7	5.1	B1/500		
BM	(30°-60°)	980.4	10.7	B1/1000		
BH	(60°-80°)	654.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	84.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5
2.5°	1038.4	1041.7	1041.7	1035.1	1028.4	1015.1	1015.1	1001.8	995.1	978.5	971.8
5°	1134.9	1124.9	1114.9	1111.6	1095.0	1071.7	1068.3	1055.0	1018.4	1001.8	978.5
7.5°	1204.8	1201.5	1198.1	1184.8	1154.9	1118.3	1108.3	1088.3	1051.7	1018.4	991.8
10°	1261.4	1274.7	1261.4	1231.4	1201.5	1161.5	1158.2	1121.6	1088.3	1048.4	1015.1
12.5°	1324.6	1327.9	1304.6	1268.0	1221.4	1188.1	1174.8	1161.5	1124.9	1091.6	1041.7
15°	1367.9	1361.2	1344.6	1294.6	1241.4	1208.1	1211.4	1194.8	1154.9	1131.6	1078.3
17.5°	1367.9	1367.9	1341.2	1304.6	1258.0	1228.1	1228.1	1218.1	1191.5	1158.2	1121.6
20°	1341.2	1341.2	1324.6	1304.6	1251.4	1244.7	1238.1	1231.4	1231.4	1201.5	1148.2
22.5°	1308.0	1301.3	1308.0	1274.7	1238.1	1244.7	1254.7	1251.4	1241.4	1214.8	1178.2
25°	1274.7	1278.0	1284.7	1261.4	1228.1	1258.0	1254.7	1271.4	1264.7	1244.7	1214.8
27.5°	1271.4	1278.0	1281.3	1258.0	1244.7	1271.4	1284.7	1301.3	1304.6	1284.7	1248.1
30°	1321.3	1317.9	1314.6	1284.7	1274.7	1298.0	1311.3	1334.6	1354.6	1311.3	1281.3
32.5°	1451.1	1431.1	1411.1	1331.3	1301.3	1317.9	1331.3	1364.5	1367.9	1344.6	1301.3
35°	1657.4	1644.1	1577.5	1437.8	1354.6	1337.9	1351.2	1374.5	1381.2	1364.5	1331.3
37.5°	1893.7	1887.1	1793.9	1624.1	1464.4	1384.5	1371.2	1404.5	1431.1	1394.5	1347.9
40°	2126.7	2100.1	2033.5	1867.1	1604.2	1454.4	1437.8	1454.4	1464.4	1437.8	1407.8
42.5°	2336.4	2306.4	2289.8	2123.4	1787.2	1570.9	1557.6	1517.6	1547.6	1514.3	1474.4
45°	2512.7	2506.1	2499.4	2356.3	1996.9	1760.6	1750.6	1647.4	1680.7	1654.1	1597.5
47.5°	2639.2	2669.2	2659.2	2579.3	2236.5	1963.6	1933.7	1800.5	1850.4	1823.8	1767.2
50°	2789.0	2805.6	2795.6	2742.4	2459.5	2196.6	2140.0	2003.5	2060.1	2056.8	2026.8
52.5°	2922.1	2972.0	2915.5	2912.1	2779.0	2449.5	2353.0	2223.2	2316.4	2353.0	2349.7
55°	3078.5	3118.5	3101.8	3095.2	3065.2	2695.8	2609.3	2452.8	2609.3	2662.5	2709.1
57.5°	3211.7	3208.3	3271.6	3348.1	3384.7	2978.7	2875.5	2692.5	2928.8	2988.7	3118.5
60°	3271.6	3328.1	3434.6	3627.7	3730.8	3281.5	3175.0	3028.6	3251.6	3298.2	3537.8
62.5°	3311.5	3361.4	3567.8	3893.9	3953.8	3591.1	3491.2	3344.8	3604.4	3637.7	3993.8
65°	3201.7	3248.3	3657.6	3993.8	4206.8	3923.9	3900.6	3747.5	3957.2	3977.1	4473.0
67.5°	3075.2	3125.1	3581.1	4120.2	4542.9	4366.5	4329.9	4146.9	4306.6	4283.3	4839.1
70°	2852.2	2918.8	3384.7	4230.1	4915.7	4985.6	4912.3	4652.7	4669.4	4449.7	4855.8
72.5°	2173.3	2216.5	2649.2	3794.1	5088.7	5844.2	5717.7	5198.6	5008.9	4483.0	4286.6
75°	1031.7	1111.6	1477.7	2509.4	4459.7	5884.2	5967.4	5468.1	4829.1	3977.1	3038.6
77.5°	299.5	299.5	449.3	1065.0	2795.6	4742.6	4899.0	4642.8	3983.8	2945.4	1597.5
80°	163.1	173.1	236.3	376.1	1228.1	2992.0	3218.3	3078.5	2346.3	1164.8	412.7
82.5°	93.2	96.5	156.4	226.3	559.1	1627.5	1760.6	1597.5	891.9	352.8	193.0
85°	53.3	56.6	89.9	149.8	332.8	599.1	652.3	565.8	359.4	236.3	96.5
87.5°	26.6	26.6	43.3	69.9	169.7	169.7	166.4	203.0	216.3	143.1	43.3
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°	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5
2.5°	968.5	965.2	965.2	951.8	948.5	938.5	938.5	931.9	928.6	938.5	938.5
5°	971.8	955.2	951.8	938.5	941.9	935.2	948.5	941.9	938.5	938.5	935.2
7.5°	978.5	961.8	948.5	938.5	935.2	945.2	961.8	961.8	981.8	971.8	971.8
10°	995.1	985.1	968.5	961.8	961.8	971.8	991.8	1005.1	1021.7	1021.7	1011.8
12.5°	1035.1	1018.4	998.4	988.5	1001.8	1011.8	1031.7	1045.0	1065.0	1071.7	1065.0
15°	1065.0	1048.4	1041.7	1035.1	1045.0	1058.3	1075.0	1088.3	1111.6	1118.3	1114.9
17.5°	1104.9	1085.0	1081.6	1085.0	1091.6	1101.6	1111.6	1121.6	1138.2	1138.2	1138.2
20°	1124.9	1118.3	1114.9	1124.9	1138.2	1151.5	1144.9	1138.2	1134.9	1141.6	1138.2
22.5°	1161.5	1154.9	1158.2	1168.2	1168.2	1161.5	1151.5	1128.2	1121.6	1128.2	1121.6
25°	1194.8	1188.1	1188.1	1181.5	1178.2	1154.9	1134.9	1114.9	1091.6	1101.6	1098.3
27.5°	1228.1	1224.8	1224.8	1198.1	1164.8	1124.9	1098.3	1075.0	1061.7	1078.3	1068.3
30°	1268.0	1271.4	1254.7	1191.5	1111.6	1068.3	1038.4	1035.1	1031.7	1041.7	1038.4
32.5°	1304.6	1308.0	1281.3	1181.5	1071.7	988.5	958.5	961.8	978.5	995.1	1011.8
35°	1324.6	1341.2	1308.0	1148.2	991.8	898.6	865.3	895.3	925.2	948.5	965.2
37.5°	1361.2	1404.5	1347.9	1111.6	921.9	818.7	795.4	805.4	842.0	878.6	895.3
40°	1414.5	1464.4	1357.9	1041.7	828.7	738.8	725.5	728.9	742.2	765.5	782.1
42.5°	1507.6	1560.9	1367.9	951.8	735.5	688.9	652.3	642.3	632.3	632.3	629.0
45°	1644.1	1694.0	1354.6	838.7	642.3	609.1	582.4	559.1	532.5	489.2	495.9
47.5°	1843.8	1883.7	1364.5	738.8	555.8	529.2	509.2	482.6	442.6	396.0	392.7
50°	2146.7	2086.7	1351.2	635.7	492.6	469.3	452.6	416.0	369.4	336.1	332.8
52.5°	2499.4	2379.6	1337.9	549.1	439.3	419.3	406.0	366.1	322.8	306.2	302.9
55°	2925.4	2752.4	1357.9	472.6	399.4	382.7	369.4	332.8	299.5	286.2	282.9
57.5°	3428.0	3155.1	1467.7	412.7	356.1	349.5	346.1	316.2	286.2	276.2	272.9
60°	3900.6	3541.1	1540.9	369.4	316.2	322.8	329.5	316.2	282.9	276.2	276.2
62.5°	4296.6	3860.6	1424.4	332.8	296.2	316.2	346.1	336.1	322.8	329.5	322.8
65°	4646.1	3970.5	1065.0	312.8	286.2	332.8	382.7	379.4	349.5	356.1	352.8
67.5°	4706.0	3837.3	695.6	296.2	279.6	366.1	429.3	389.4	329.5	329.5	319.5
70°	4456.4	3481.2	465.9	279.6	276.2	366.1	439.3	366.1	309.5	309.5	296.2
72.5°	3657.6	2782.3	359.4	262.9	252.9	326.2	416.0	346.1	289.5	282.9	259.6
75°	2402.9	1793.9	292.9	249.6	219.7	286.2	376.1	319.5	276.2	256.3	246.3
77.5°	1178.2	805.4	246.3	219.7	189.7	249.6	342.8	302.9	259.6	239.6	233.0
80°	322.8	289.5	206.3	193.0	159.8	216.3	322.8	289.5	243.0	223.0	213.0
82.5°	183.0	179.7	166.4	156.4	133.1	216.3	326.2	289.5	229.6	226.3	193.0
85°	99.8	106.5	119.8	116.5	103.2	193.0	309.5	252.9	186.4	156.4	156.4
87.5°	39.9	49.9	59.9	66.6	69.9	143.1	233.0	193.0	143.1	119.8	119.8
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)