

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: P677549

Luminaire Tested: **CCW-SA-2-AMB-U-T1**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P677549
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2-AMB-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T1 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

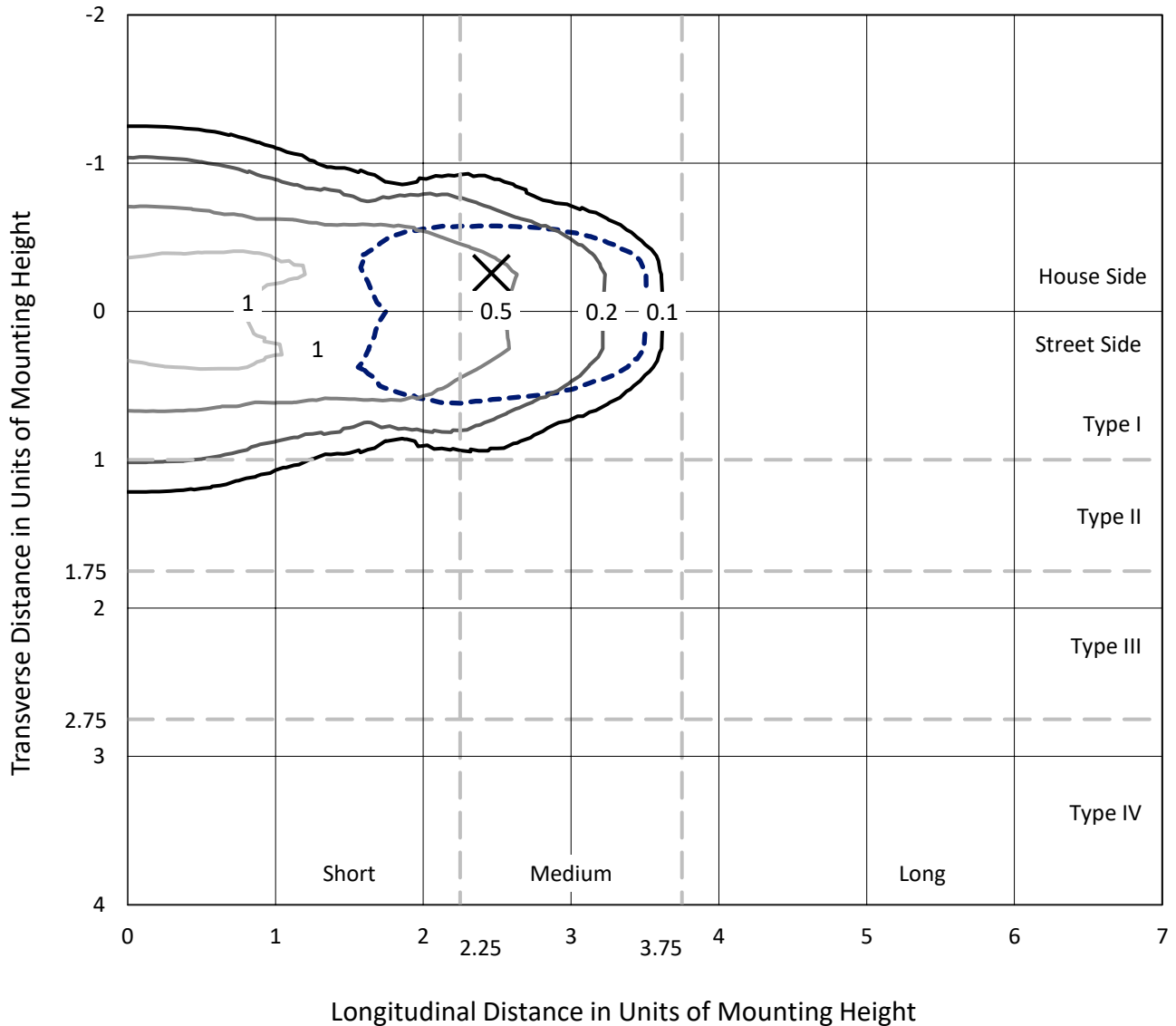
Lumens per Lamp: N/A
Luminaire Lumens: 1736.4 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 40.2
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

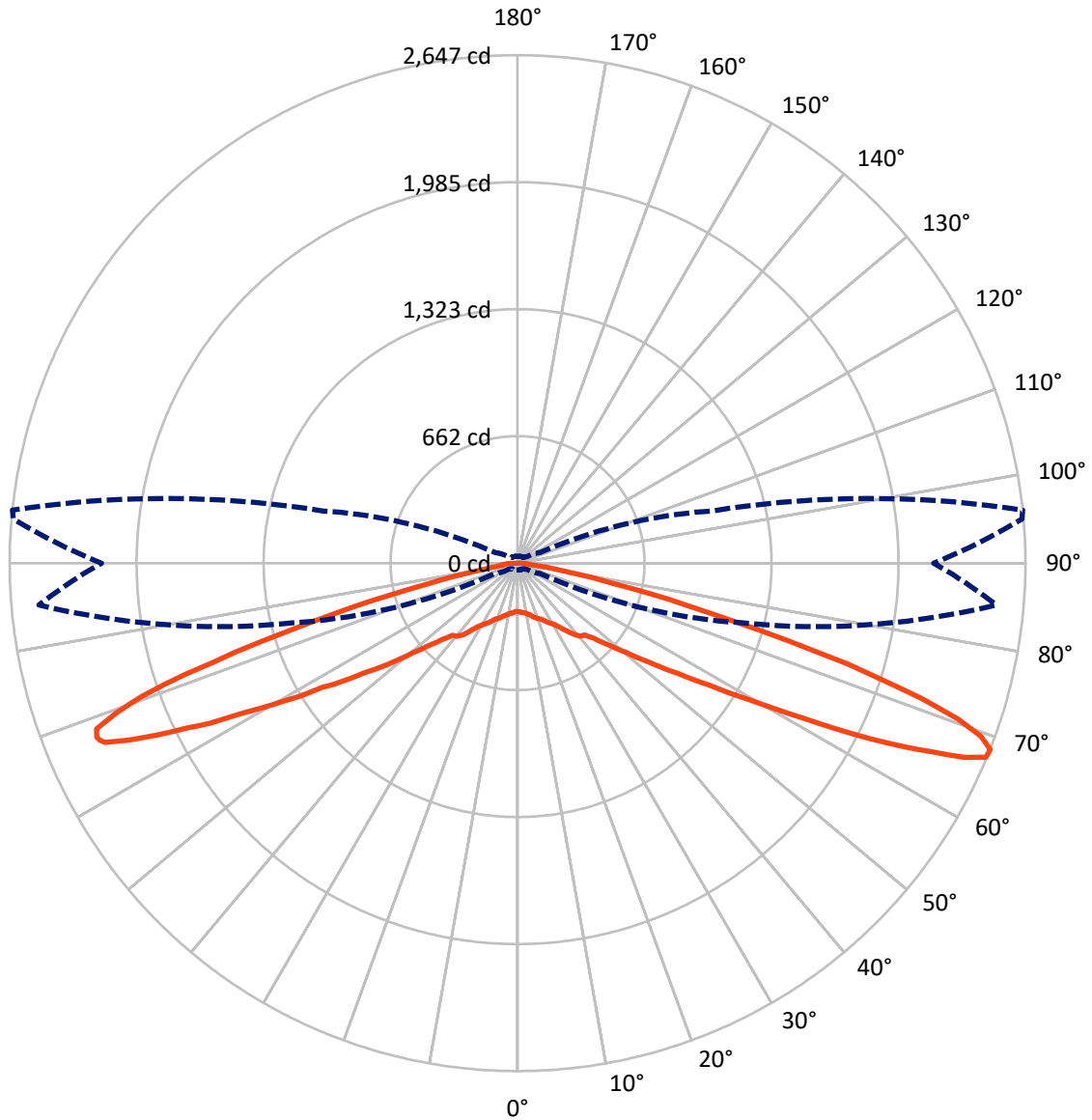
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 96-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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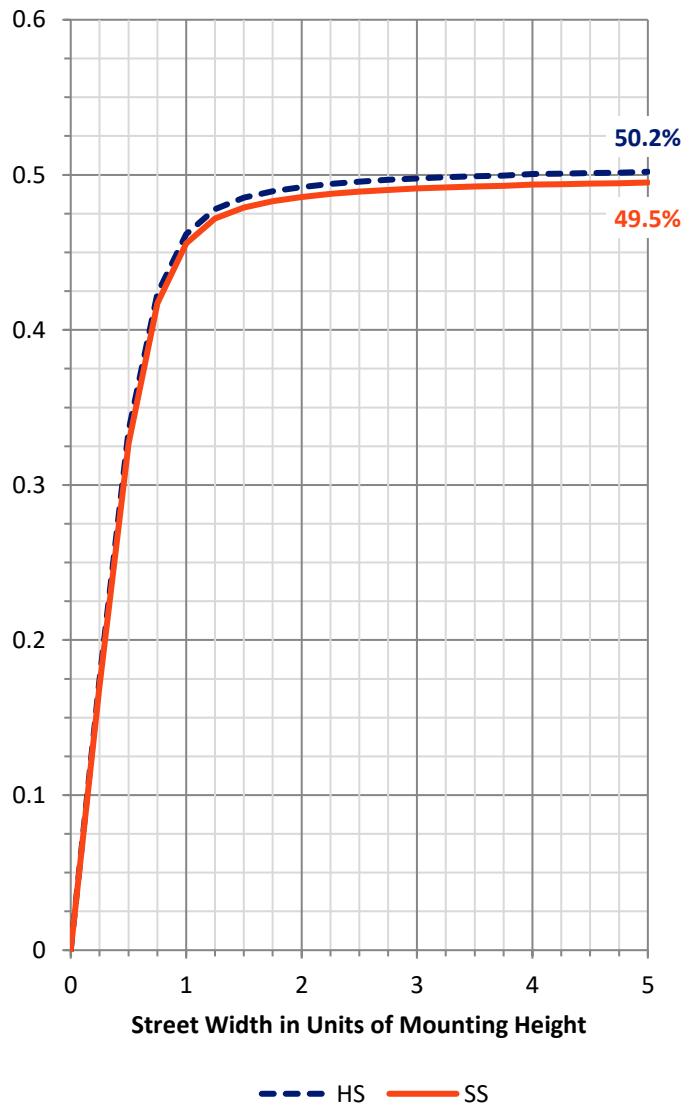
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	879.5	0.0	879.5
	% Fixture	50.6	0.0	50.6
Street Side	Lumens	857.0	0.0	857.0
	% Fixture	49.4	0.0	49.4
Total	Lumens	1736.4	0.0	1736.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.5
10°-20°	85.3	4.9
20°-30°	147.0	8.5
30°-40°	209.3	12.1
40°-50°	270.7	15.6
50°-60°	339.6	19.6
60°-70°	434.0	25.0
70°-80°	203.3	11.7
80°-90°	21.4	1.2
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°	1736.4	100.0
0°-180°	1736.4	100.0



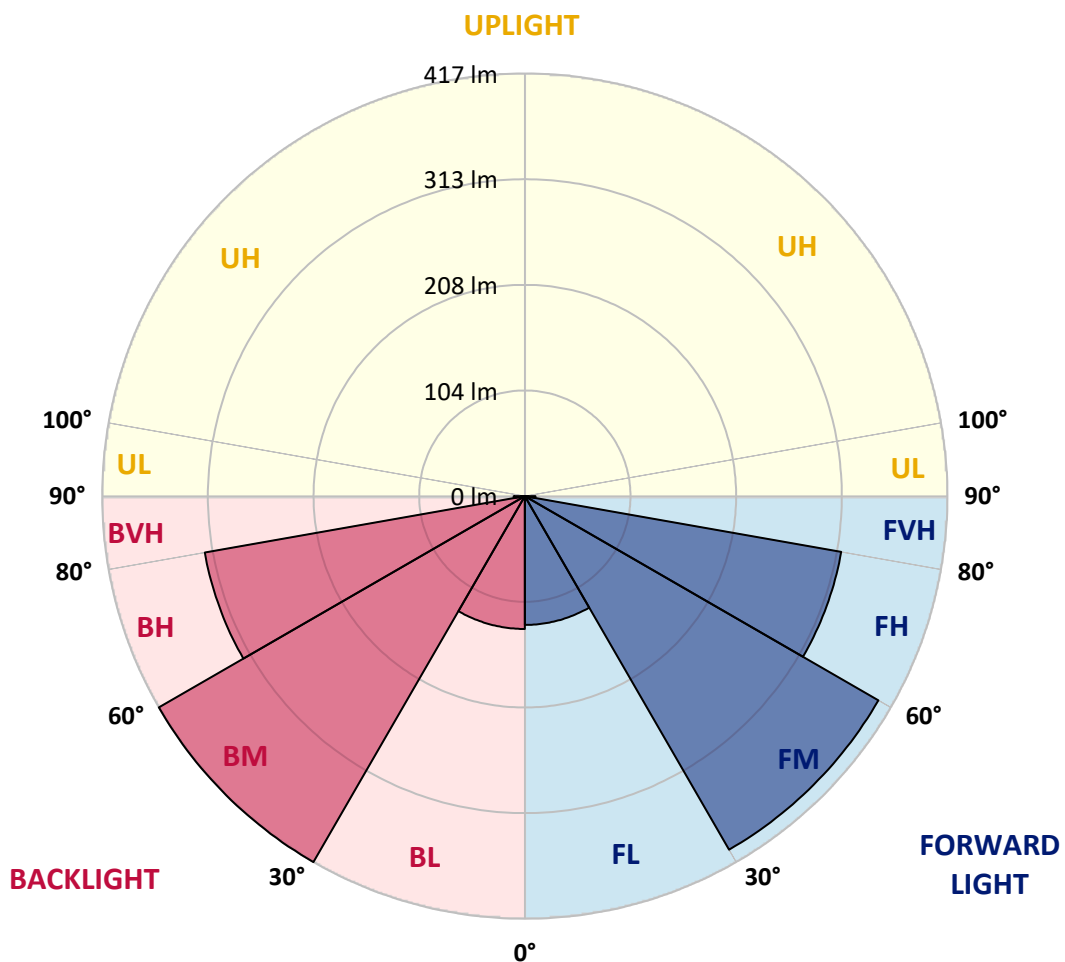
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.0	7.3			
FM (30°-60°)	402.7	23.2			
FH (60°-80°)	316.8	18.2			G0/660
FVH (80°-90°)	10.4	0.6			G1/100
BL (0°-30°)	131.0	7.5	B1/500		
BM (30°-60°)	416.9	24.0	B1/1000		
BH (60°-80°)	320.5	18.5	B1/500		G1/500
BVH (80°-90°)	11.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	253	253	253	253	253	253	253	253	253	253	253
2.5°	255	255	256	256	257	257	255	255	254	251	256
5°	266	263	265	264	265	262	259	258	258	258	256
7.5°	277	270	273	271	274	272	269	266	263	263	260
10°	280	279	284	285	284	284	278	273	271	267	267
12.5°	286	284	288	293	296	298	293	289	280	275	274
15°	277	278	288	296	309	312	313	300	292	283	283
17.5°	265	269	278	294	313	325	327	325	305	295	293
20°	255	256	262	286	308	336	344	340	322	304	302
22.5°	246	246	258	279	302	334	358	358	335	313	309
25°	230	236	247	265	297	328	372	383	353	332	332
27.5°	223	224	233	255	285	329	382	400	372	349	344
30°	212	212	222	242	275	323	387	423	398	366	359
32.5°	200	198	212	232	264	316	394	449	430	386	380
35°	188	190	198	218	252	308	398	479	473	417	412
37.5°	179	180	189	211	238	297	397	510	519	460	447
40°	166	168	178	201	231	286	392	533	550	487	481
42.5°	150	154	165	190	220	272	379	560	600	496	488
45°	134	134	147	172	209	261	361	572	679	543	534
47.5°	112	114	124	151	186	240	339	588	757	611	593
50°	90	91	101	125	157	211	317	591	879	706	676
52.5°	71	72	79	97	126	175	284	584	1002	840	791
55°	56	58	63	76	99	140	239	552	1150	969	931
56°	53	54	58	68	88	126	216	530	1214	1047	993
57°	52	51	54	61	79	114	194	494	1274	1124	1067
58°	48	48	51	57	69	101	174	462	1334	1188	1137
59°	47	47	49	54	63	91	154	422	1394	1315	1207
60°	45	46	46	51	58	80	137	383	1447	1415	1306
61°	44	45	45	48	54	71	123	343	1490	1536	1382
62°	44	44	44	46	51	64	108	300	1515	1662	1497
63°	42	42	43	45	48	58	95	258	1533	1839	1607
64°	41	42	42	43	46	54	83	222	1535	1968	1709
65°	40	40	41	42	44	50	74	194	1513	2143	1844
66°	39	39	39	40	42	46	66	171	1453	2307	1969
67°	38	37	38	40	41	43	61	147	1349	2455	2070
67.5°	37	37	37	39	40	42	58	134	1289	2483	2125
68°	36	36	36	38	39	41	55	128	1199	2504	2168
69°	34	34	35	36	37	39	51	113	1037	2505	2190
70°	33	32	33	35	36	38	47	100	876	2384	2131
71°	32	31	32	33	34	36	43	89	724	2225	2046
72°	30	30	30	31	33	35	39	79	586	1966	1874
72.5°	29	29	29	30	31	34	38	73	509	1790	1736
73°	29	28	28	30	30	33	37	69	463	1664	1630
74°	27	27	27	28	29	30	34	60	369	1336	1341
75°	25	25	25	26	27	29	32	52	278	1079	1062



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
77.5°	21	21	21	22	23	24	26	35	156	511	479
80°	16	17	17	18	18	18	21	25	72	184	178
82.5°	13	14	13	14	14	13	15	17	32	82	137
85°	9	9	7	8	9	8	10	11	17	90	152
87.5°	4	4	3	3	4	4	5	4	8	45	55
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	96°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	253	253	253	253	253	253	253	253	253	253	253
2.5°	254	255	256	256	259	258	261	258	261	258	257
5°	258	259	261	259	264	266	266	269	268	267	270
7.5°	262	260	266	272	275	276	281	284	282	282	283
10°	270	269	271	278	287	291	293	297	296	296	296
12.5°	276	275	282	290	302	306	311	307	300	297	297
15°	285	288	297	311	319	322	317	304	300	290	294
17.5°	300	299	309	331	343	337	320	302	289	282	281
20°	307	309	326	351	354	343	323	297	280	270	270
22.5°	313	317	342	371	371	344	315	286	271	261	264
25°	331	335	359	390	386	338	310	281	260	256	251
27.5°	348	353	380	413	390	337	302	269	249	242	240
30°	364	368	403	433	400	331	289	259	241	234	232
32.5°	389	396	434	464	401	328	279	250	231	219	221
35°	423	430	483	500	405	318	268	236	216	208	207
37.5°	460	467	522	526	409	313	258	225	205	195	192
40°	494	501	576	563	404	302	244	213	190	180	177
42.5°	503	511	626	598	395	282	228	195	170	161	158
45°	554	560	712	618	376	269	212	177	153	144	140
47.5°	624	635	802	628	356	247	190	156	135	126	125
50°	708	731	922	616	322	220	165	135	113	106	104
52.5°	847	856	1039	596	286	187	139	110	92	83	82
55°	994	1020	1157	548	242	153	113	86	72	67	66
56°	1060	1102	1220	516	221	142	101	77	66	62	61
57°	1135	1182	1264	490	204	129	89	71	61	57	57
58°	1225	1294	1310	450	183	115	82	65	56	53	52
59°	1344	1402	1346	417	165	104	73	59	51	49	50
60°	1471	1545	1391	372	146	93	65	54	48	47	47
61°	1616	1692	1401	333	134	83	60	50	47	46	46
62°	1771	1871	1417	291	119	73	54	47	45	44	44
63°	1927	2046	1440	258	105	65	51	46	43	42	42
64°	2118	2217	1407	224	93	59	48	43	42	41	41
65°	2279	2371	1377	196	83	54	44	42	41	40	40
66°	2442	2539	1294	171	74	50	43	41	39	39	39
67°	2578	2642	1169	152	66	46	41	39	38	38	38
67.5°	2613	2645	1131	143	63	45	41	39	37	37	38
68°	2638	2647	1051	131	59	43	40	38	37	37	37
69°	2574	2577	914	116	55	40	38	37	36	35	36
70°	2486	2436	756	100	49	39	36	36	35	34	34
71°	2280	2215	634	87	44	37	35	34	33	33	33
72°	1998	1933	505	73	40	35	33	33	32	32	32
72.5°	1852	1799	441	70	39	34	32	32	31	31	31
73°	1719	1622	402	65	38	33	32	31	30	30	30
74°	1363	1304	319	57	35	32	31	30	29	29	29
75°	1049	1013	247	51	33	30	29	28	27	27	27



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CANDELA DISTRIBUTION (continued):

	95°	96°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	517	511	141	38	27	25	25	25	24	23	24
80°	214	221	81	28	22	20	20	21	20	19	19
82.5°	76	73	41	20	16	15	16	16	15	15	14
85°	66	46	21	13	11	10	11	11	9	12	11
87.5°	35	26	10	5	6	5	5	5	5	6	6
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)