

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: P677837

Luminaire Tested: **CCW-SA-2-AMB-U-SL3**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677837  
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-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/  
SL3 distribution lens  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

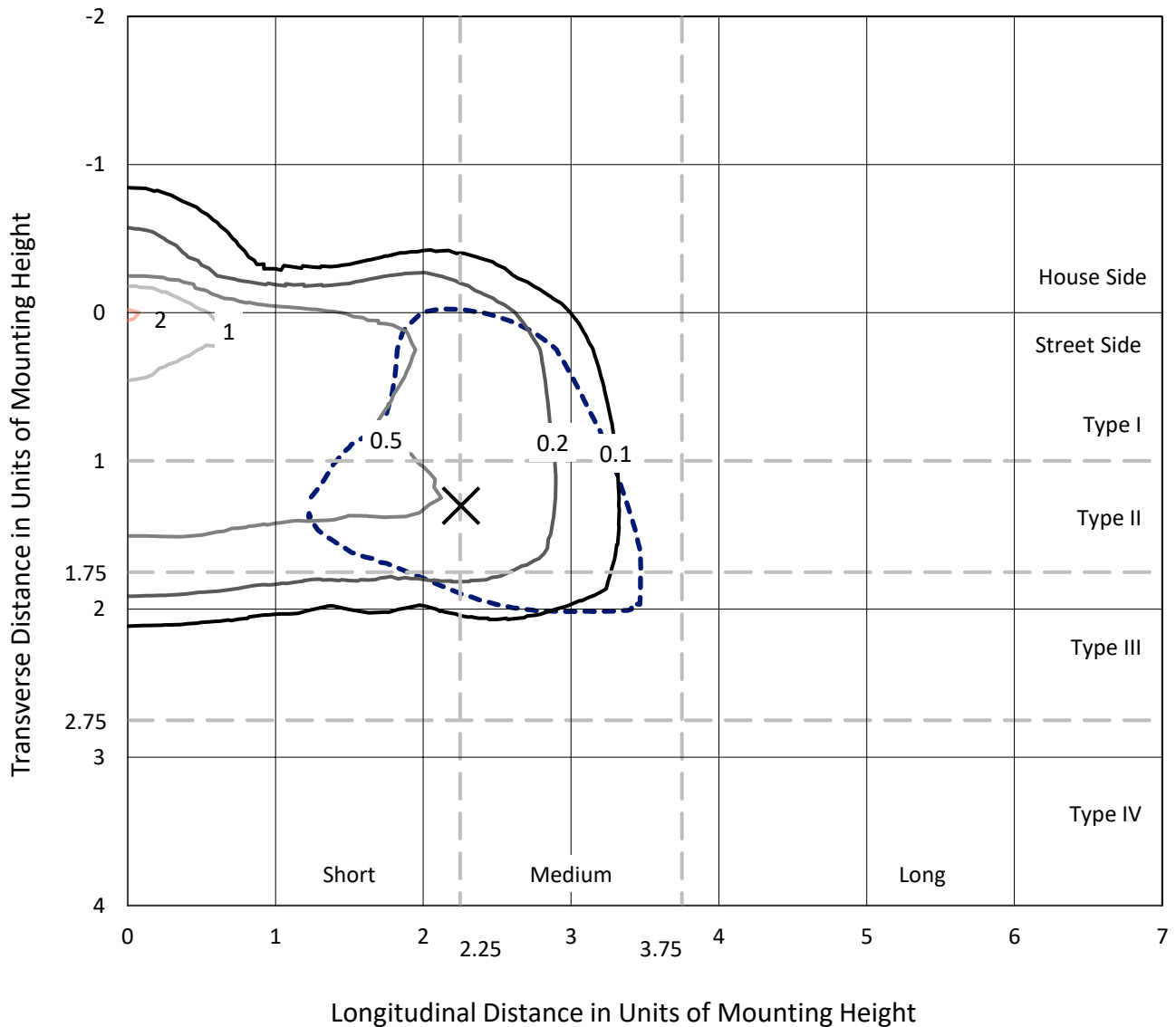
Lumens per Lamp: N/A  
Luminaire Lumens: 1761.6 lumens  
Efficiency: N/A  
Efficacy: 43.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1

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

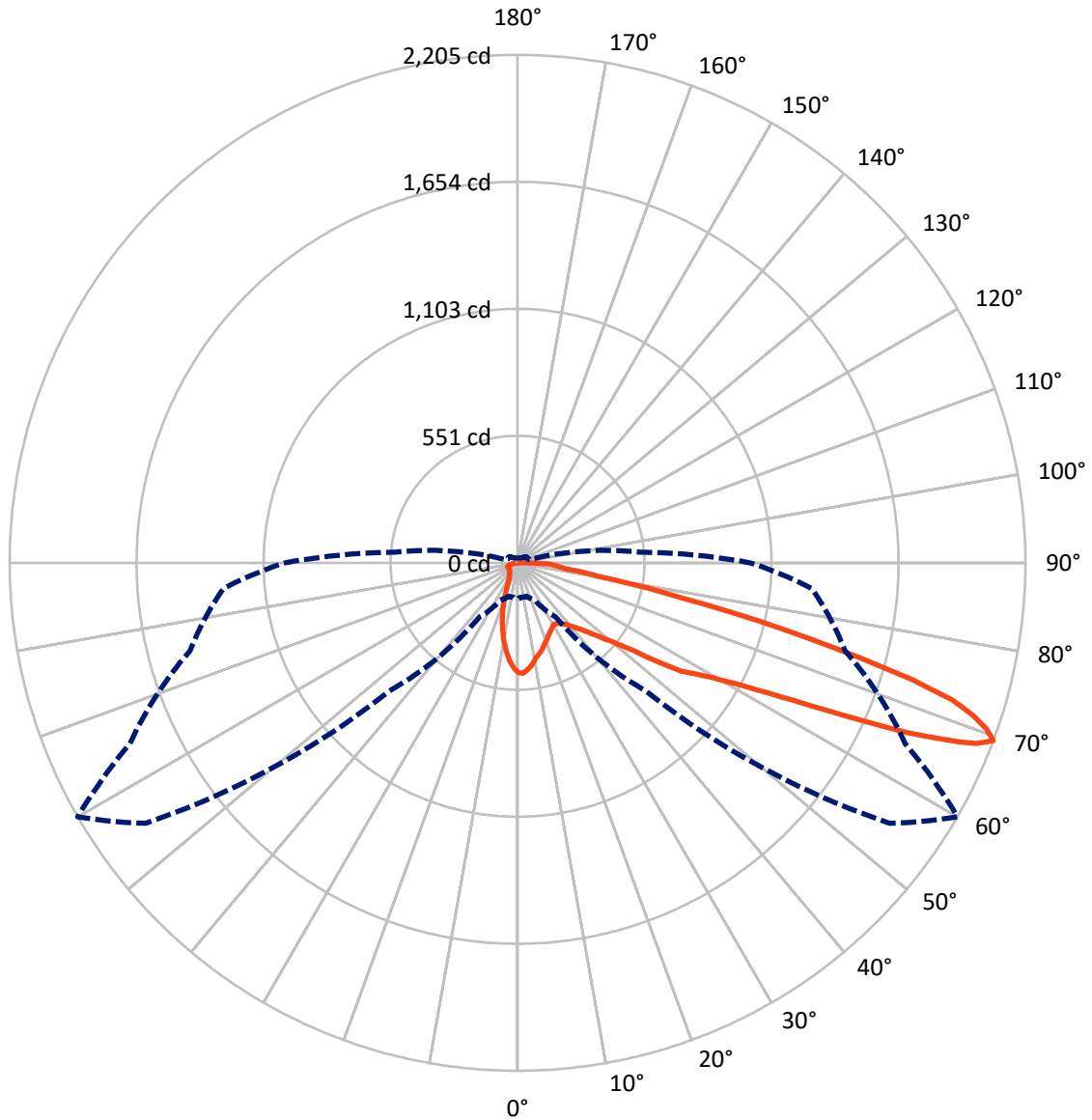
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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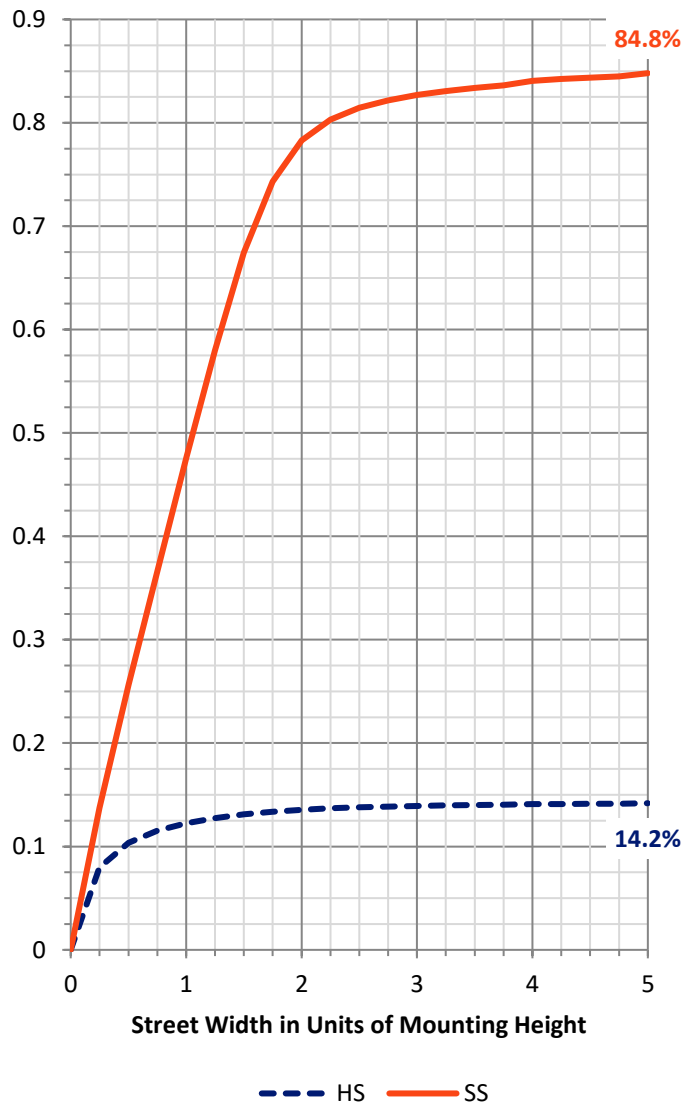
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	252.6	0.0	252.6
	% Fixture	14.3	0.0	14.3
<b>Street Side</b>	Lumens	1509.0	0.0	1509.0
	% Fixture	85.7	0.0	85.7
<b>Total</b>	Lumens	1761.6	0.0	1761.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	2.2
10°-20°	82.3	4.7
20°-30°	104.2	5.9
30°-40°	137.3	7.8
40°-50°	209.9	11.9
50°-60°	362.4	20.6
60°-70°	519.6	29.5
70°-80°	265.2	15.1
80°-90°	41.2	2.3
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°	1761.6	100.0
0°-180°	1761.6	100.0

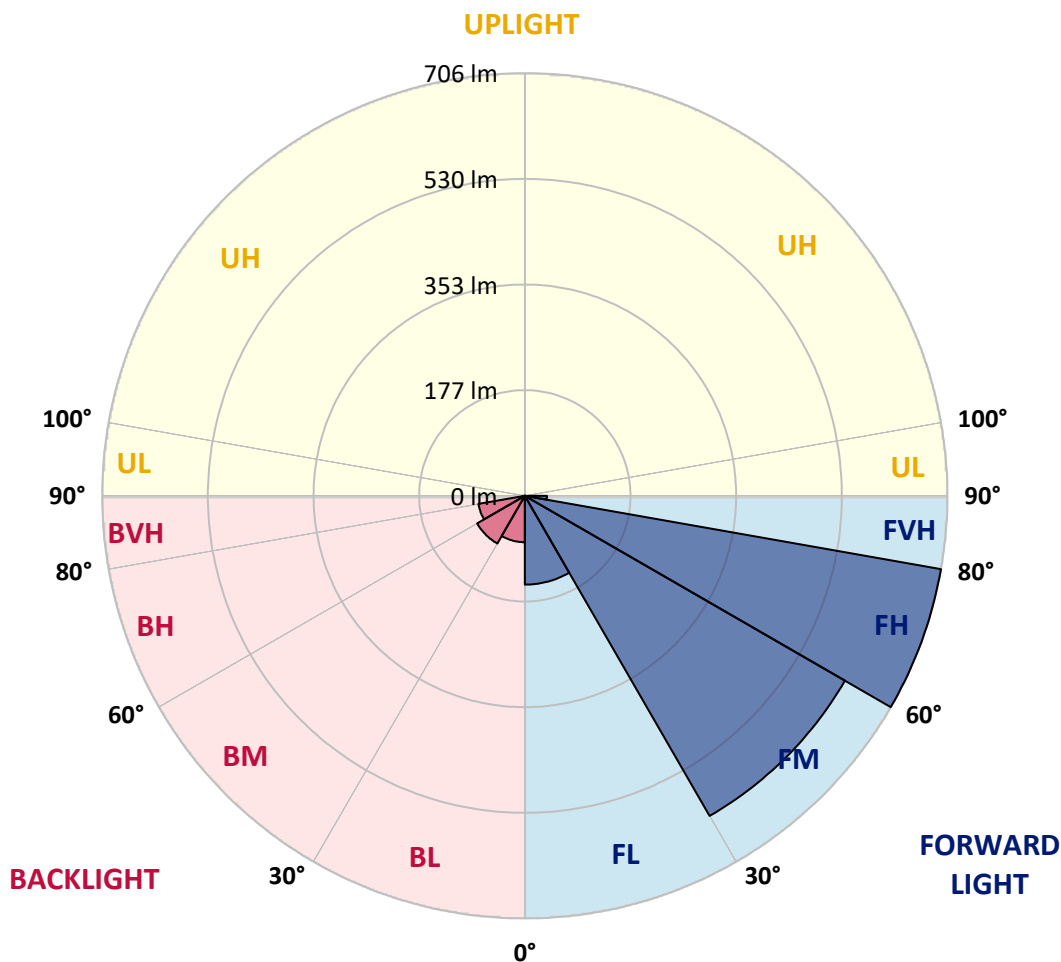


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.4	8.4			
FM (30°-60°)	617.6	35.1			
FH (60°-80°)	706.2	40.1			G1/1800
FVH (80°-90°)	36.9	2.1			G1/100
BL (0°-30°)	77.5	4.4	B0/110		
BM (30°-60°)	92.1	5.2	B0/220		
BH (60°-80°)	78.7	4.5	B0/110		G0/110
BVH (80°-90°)	4.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	477	477	477	477	477	477	477	477	477	477	477
2.5°	480	480	485	484	481	486	479	480	483	479	474
5°	455	459	461	455	457	463	469	464	471	464	466
7.5°	418	422	428	428	427	434	444	448	451	456	450
10°	374	379	380	389	400	413	420	424	427	439	435
12.5°	350	347	352	357	369	388	399	407	415	429	422
15°	318	322	325	336	345	362	381	393	398	420	417
17.5°	304	301	303	310	325	346	368	375	390	409	403
20°	296	295	298	298	310	323	349	358	378	404	399
22.5°	291	294	294	294	297	308	331	343	363	403	392
25°	296	297	294	289	287	296	314	330	352	403	383
27.5°	306	302	303	297	288	287	307	319	341	409	374
30°	314	316	311	307	293	289	296	310	337	409	370
32.5°	328	331	328	323	306	295	301	314	339	420	370
35°	345	345	343	342	328	311	313	323	343	433	374
37.5°	371	370	371	365	354	333	333	339	356	449	385
40°	385	390	397	394	388	365	355	362	376	472	402
42.5°	408	412	422	429	421	400	387	391	404	506	436
45°	428	428	447	463	473	453	425	429	439	544	484
47.5°	455	462	480	509	532	513	482	480	486	588	539
50°	509	512	531	551	574	592	566	542	537	655	604
52.5°	583	588	602	616	630	661	682	635	623	717	675
55°	639	642	663	685	704	747	825	787	729	772	737
56°	666	670	692	714	745	784	875	851	774	801	772
57°	665	672	719	757	793	836	911	889	820	841	818
58°	647	663	715	785	838	897	949	932	863	877	856
59°	626	631	690	778	900	968	1009	982	894	902	908
60°	586	602	665	749	915	1046	1086	1046	940	948	971
61°	520	533	605	713	901	1135	1164	1122	999	1015	1055
62°	482	481	535	667	874	1206	1285	1222	1066	1099	1126
63°	401	404	465	589	837	1221	1445	1339	1143	1177	1212
64°	310	309	363	496	776	1218	1579	1491	1258	1255	1300
65°	271	270	296	386	670	1212	1757	1659	1388	1352	1377
66°	232	234	254	318	554	1183	1880	1850	1517	1415	1387
67°	201	200	211	272	431	1073	1948	2002	1651	1477	1370
67.5°	181	182	191	244	376	1004	1957	2077	1727	1500	1342
68°	168	169	172	223	348	935	1978	2140	1780	1490	1324
69°	157	151	151	179	286	786	1971	2205	1857	1471	1282
70°	138	139	136	158	228	607	1918	2159	1866	1452	1221
71°	126	126	124	145	197	475	1772	2084	1833	1405	1096
72°	112	113	113	133	181	378	1552	1978	1760	1306	926
72.5°	107	105	107	128	176	326	1445	1878	1688	1213	831
73°	99	99	101	124	171	292	1332	1789	1597	1151	709
74°	88	89	92	114	163	226	1099	1539	1381	931	525
75°	78	79	85	107	158	202	882	1302	1165	717	371



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
77.5°	57	57	64	87	143	178	444	722	571	328	119
80°	39	40	46	66	128	169	246	353	246	90	57
82.5°	25	26	33	45	99	160	214	210	124	55	32
85°	14	15	22	31	65	162	193	168	85	28	15
87.5°	7	7	13	17	36	111	156	134	58	14	6
90°	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°	477	477	477	477	477	477	477	477	477	477	477
2.5°	476	468	466	461	452	456	444	446	442	440	439
5°	462	456	444	433	422	410	400	397	391	385	384
7.5°	441	435	420	398	383	363	344	330	315	307	314
10°	427	420	391	364	338	307	281	250	233	225	215
12.5°	412	398	364	326	286	248	207	176	149	140	139
15°	401	382	335	289	239	189	143	124	113	108	109
17.5°	389	364	308	252	189	136	114	103	99	95	94
20°	377	345	275	207	141	107	95	90	87	87	87
22.5°	359	323	244	161	106	90	84	82	81	82	83
25°	347	307	207	120	87	79	75	76	77	77	78
27.5°	335	287	174	94	76	70	70	71	73	73	74
30°	323	271	140	79	68	64	64	66	67	67	68
32.5°	321	260	109	69	62	60	60	60	62	62	63
35°	317	246	88	63	58	57	57	57	57	58	57
37.5°	315	234	76	58	55	54	54	53	53	54	53
40°	332	228	69	56	53	52	50	50	50	50	50
42.5°	355	221	64	53	51	49	48	47	48	48	48
45°	391	223	61	51	49	46	45	45	45	47	47
47.5°	436	231	59	49	46	44	43	43	44	45	45
50°	486	239	60	48	45	42	41	41	42	44	44
52.5°	538	261	60	46	44	42	40	39	40	42	42
55°	599	297	61	46	43	41	39	38	38	39	40
56°	630	319	60	45	42	41	38	36	37	38	38
57°	670	347	61	45	42	40	38	35	36	37	37
58°	710	383	62	45	41	39	37	34	35	35	35
59°	761	438	65	45	41	39	37	33	33	34	35
60°	837	489	67	45	41	38	36	32	32	32	33
61°	909	541	69	46	40	37	34	32	31	31	31
62°	981	594	71	46	40	37	33	30	30	30	30
63°	1062	657	71	46	40	36	32	29	28	29	29
64°	1122	692	69	47	42	35	31	28	27	27	27
65°	1150	690	67	48	43	34	29	27	26	26	26
66°	1135	660	65	47	44	33	28	26	25	25	25
67°	1094	626	63	47	45	33	28	25	24	24	24
67.5°	1077	610	61	47	46	33	27	25	23	23	23
68°	1056	588	59	47	46	33	27	24	23	22	22
69°	1010	530	56	45	46	32	26	23	22	21	21
70°	915	447	52	44	45	31	25	22	21	20	20
71°	791	338	49	43	43	30	24	22	20	19	19
72°	640	258	46	42	41	28	24	21	19	18	18
72.5°	558	224	45	41	39	27	23	21	19	18	18
73°	486	189	43	40	38	26	23	20	19	17	17
74°	347	134	41	39	35	24	22	19	18	17	16
75°	243	96	38	36	31	22	20	18	17	16	16



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	77	51	29	30	23	18	17	16	15	14	14
80°	48	35	21	21	15	14	13	13	12	12	12
82.5°	27	21	16	14	11	9	10	10	10	9	9
85°	13	11	10	9	7	6	6	6	6	5	5
87.5°	7	6	6	4	3	2	2	2	3	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)