

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: P678701

Luminaire Tested: **CCW-SA-2-AMB-U-T4FT**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P678701
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-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T4W distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

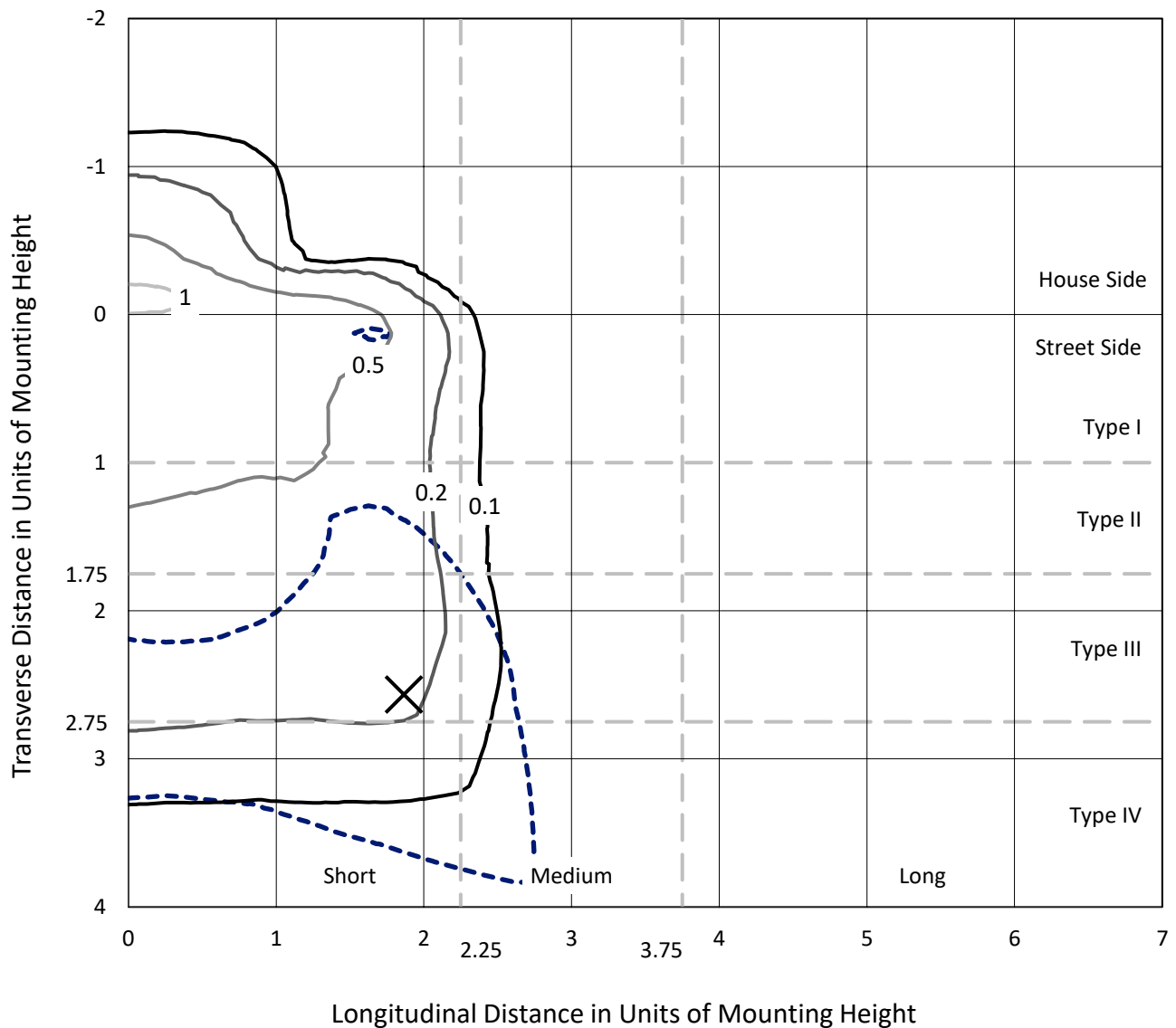
Lumens per Lamp: N/A
Luminaire Lumens: 1767.6 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

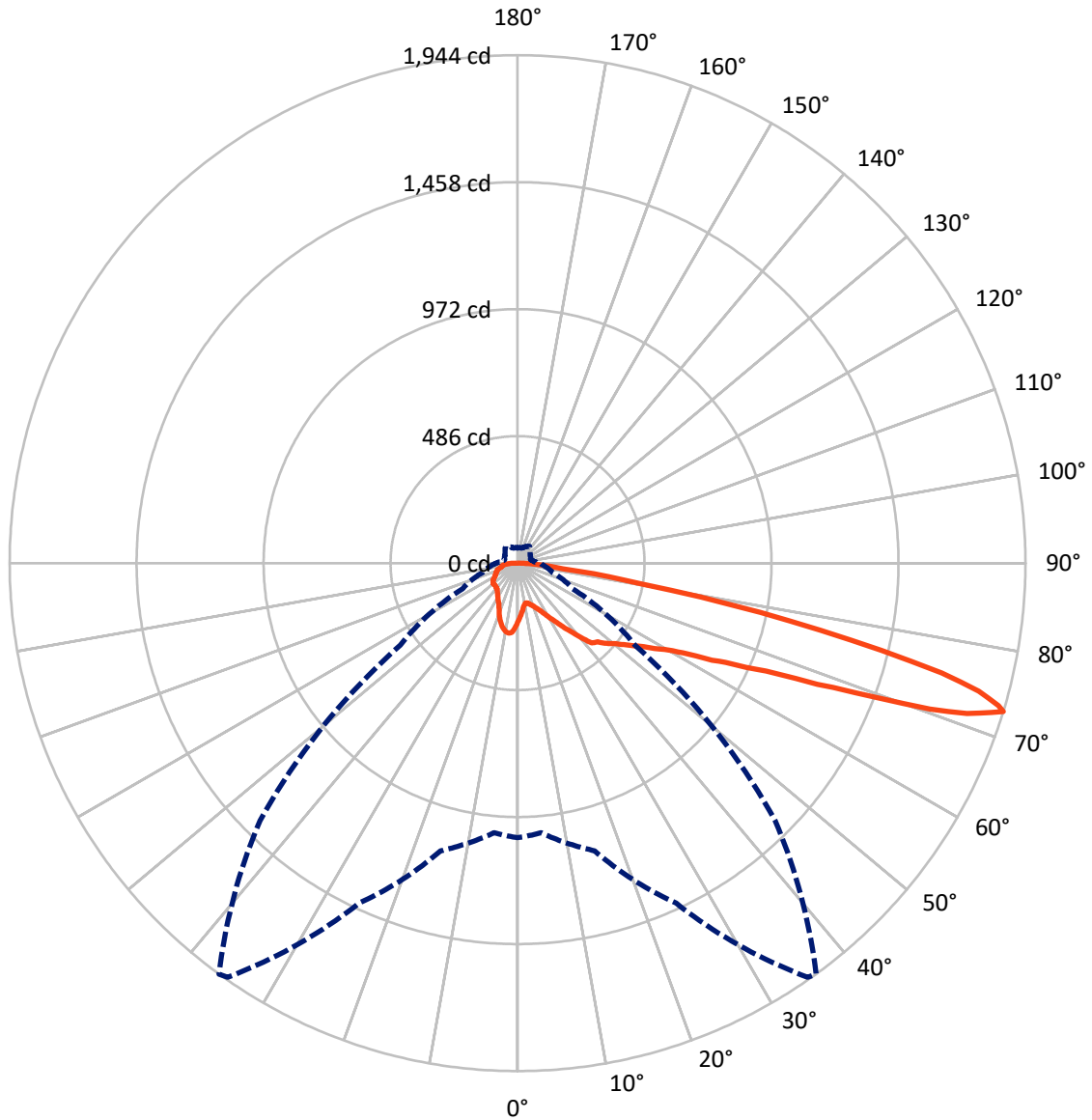
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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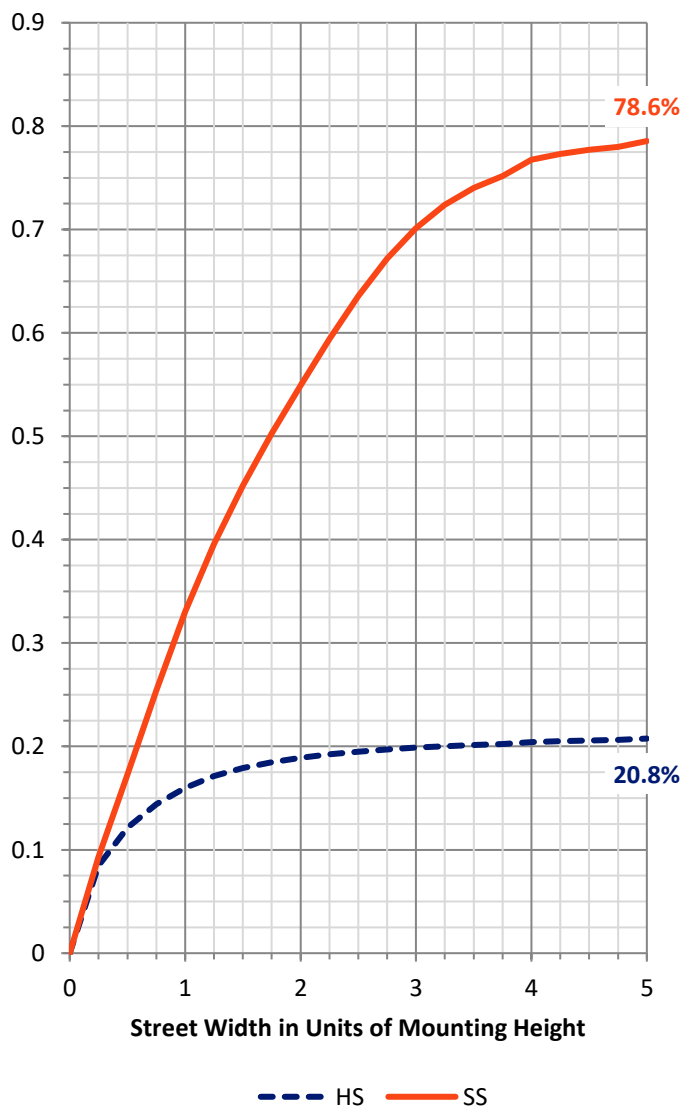
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	375.8	0.0	375.8
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	1391.7	0.0	1391.7
	% Fixture	78.7	0.0	78.7
Total	Lumens	1767.6	0.0	1767.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	1.2
10°-20°	60.7	3.4
20°-30°	100.1	5.7
30°-40°	153.1	8.7
40°-50°	227.3	12.9
50°-60°	347.9	19.7
60°-70°	472.2	26.7
70°-80°	346.3	19.6
80°-90°	38.9	2.2
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°	1767.6	100.0
0°-180°	1767.6	100.0



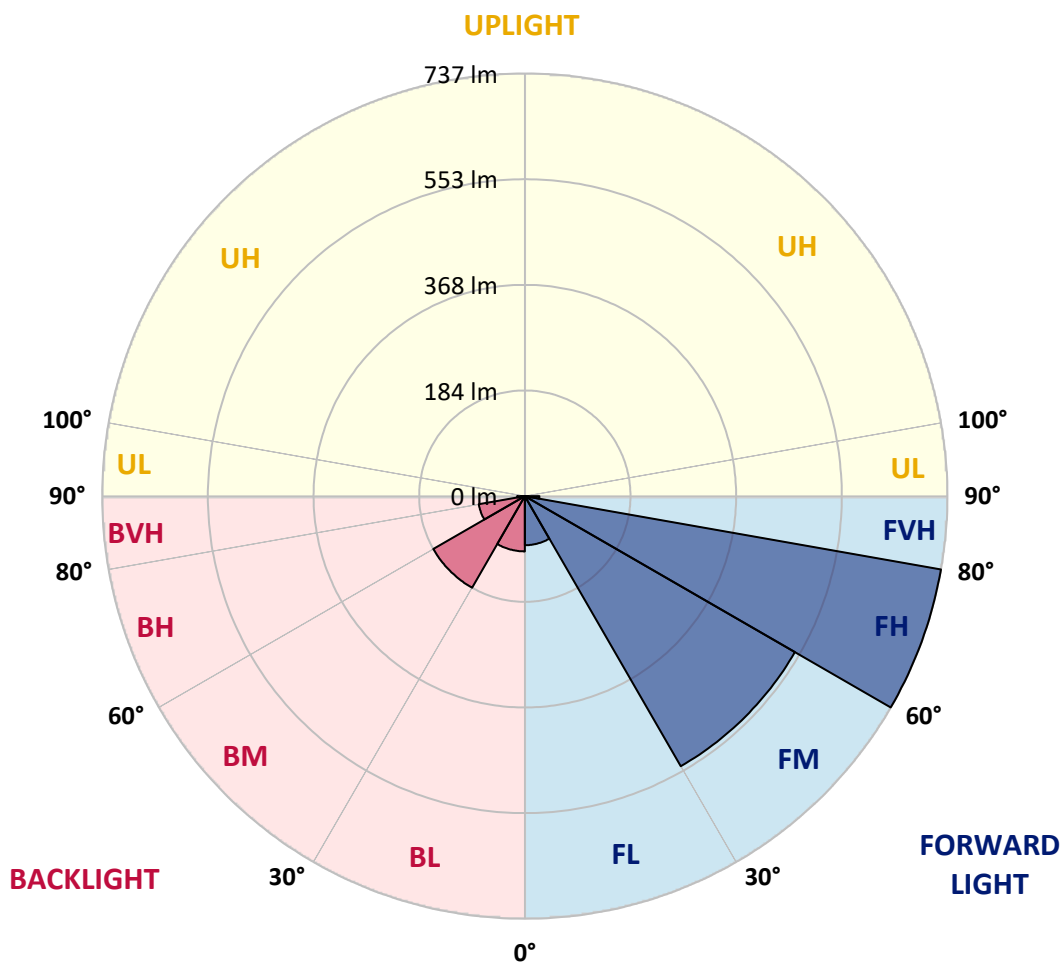
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.5	4.8			
FM (30°-60°)	543.8	30.8			
FH (60°-80°)	736.9	41.7			G1/1800
FVH (80°-90°)	25.4	1.4			G1/100
BL (0°-30°)	96.4	5.5	B0/110		
BM (30°-60°)	184.4	10.4	B0/220		
BH (60°-80°)	81.6	4.6	B0/110		G0/110
BVH (80°-90°)	13.5	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	223	223	223	223	223	223	223	223	223	223	223
2.5°	200	202	202	203	203	204	207	209	214	217	222
5°	175	179	179	182	185	186	190	196	204	213	220
7.5°	156	156	158	161	168	168	178	187	195	207	218
10°	150	151	150	152	157	157	166	177	193	206	224
12.5°	154	155	153	152	157	156	163	175	189	206	225
15°	165	163	160	157	159	161	166	176	190	208	232
17.5°	175	175	169	166	167	168	174	179	192	208	235
20°	193	191	181	174	176	176	179	185	192	210	238
22.5°	210	209	196	191	187	188	189	192	196	210	240
25°	238	233	217	210	202	201	197	199	201	214	249
27.5°	263	261	247	233	221	220	212	213	212	222	261
30°	291	289	279	259	245	242	231	227	228	231	274
32.5°	316	315	306	289	269	267	255	251	248	242	295
35°	345	343	334	320	301	299	287	281	266	255	312
37.5°	372	373	365	359	338	332	326	315	289	275	344
40°	392	386	388	389	377	376	365	343	313	299	386
42.5°	401	395	395	406	421	418	404	386	351	334	444
45°	430	418	409	412	429	430	452	428	393	371	498
47.5°	443	434	432	436	459	459	495	480	446	415	571
50°	466	460	455	462	482	484	547	542	504	477	676
52.5°	500	489	479	499	522	519	584	614	571	550	793
55°	520	509	522	534	556	561	644	692	624	625	909
56°	530	522	542	544	577	579	679	724	646	650	952
57°	554	541	557	569	599	605	707	756	663	672	978
58°	576	564	579	585	630	628	751	785	685	705	1008
59°	601	583	597	607	656	652	796	816	699	723	1015
60°	645	624	631	638	684	681	824	835	712	725	1010
61°	681	661	662	674	725	720	869	860	722	724	989
62°	731	717	707	711	766	770	932	884	719	717	938
63°	789	769	745	747	819	832	981	894	720	696	878
64°	860	844	813	805	895	883	1029	915	705	658	778
65°	939	904	863	868	962	961	1092	929	696	622	671
66°	1002	990	960	953	1039	1037	1168	921	665	562	566
67°	1061	1059	1026	1045	1144	1153	1238	915	621	493	448
67.5°	1087	1089	1067	1099	1242	1238	1279	918	594	465	395
68°	1145	1123	1114	1148	1298	1298	1326	899	568	416	347
69°	1174	1154	1178	1245	1499	1469	1394	875	500	338	261
70°	1199	1186	1213	1338	1649	1674	1476	819	434	271	191
71°	1182	1182	1227	1423	1813	1814	1501	718	339	208	147
72°	1113	1128	1175	1444	1902	1902	1465	599	261	156	116
72.5°	1051	1036	1140	1436	1935	1944	1394	548	233	138	100
73°	961	953	1077	1399	1926	1920	1356	467	197	123	93
74°	764	761	925	1293	1854	1832	1176	355	152	103	78
75°	535	555	691	1127	1686	1677	935	258	114	84	70



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
77.5°	227	233	305	559	1080	1066	438	120	74	63	53
80°	77	83	121	248	467	476	152	65	55	48	40
82.5°	35	38	61	105	185	175	67	45	40	34	26
85°	16	16	33	55	88	85	34	25	27	21	13
87.5°	6	6	13	19	32	31	11	10	14	12	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°	223	223	223	223	223	223	223	223	223	223	223
2.5°	223	224	231	235	236	243	246	250	249	251	248
5°	224	231	239	246	256	261	266	266	269	268	267
7.5°	227	233	246	257	267	271	270	271	266	268	267
10°	231	238	259	269	270	269	267	261	257	254	253
12.5°	235	247	270	273	270	264	256	247	243	235	235
15°	244	255	281	278	268	255	244	231	221	219	218
17.5°	249	265	284	276	259	246	226	211	203	193	196
20°	257	275	287	274	253	232	207	188	183	179	181
22.5°	265	288	290	265	240	210	186	179	177	175	173
25°	275	299	286	257	219	183	171	171	170	170	170
27.5°	292	312	287	240	192	166	162	164	166	167	167
30°	313	329	282	224	166	151	153	158	160	161	159
32.5°	335	342	274	195	149	144	143	149	152	152	155
35°	362	360	265	167	138	136	136	138	141	143	143
37.5°	400	382	250	145	130	127	129	130	132	133	137
40°	445	400	222	127	122	124	125	124	125	126	129
42.5°	489	415	187	114	117	121	124	120	117	117	120
45°	515	423	152	102	107	121	121	117	113	108	108
47.5°	556	429	125	92	102	121	121	113	108	100	99
50°	638	471	104	87	102	123	122	109	102	93	91
52.5°	727	519	89	82	99	121	119	104	95	86	85
55°	801	562	82	78	95	116	115	100	87	79	78
56°	831	569	79	77	92	112	112	97	84	78	76
57°	860	568	76	76	89	109	110	94	82	77	77
58°	885	568	74	75	87	106	108	91	80	76	76
59°	885	545	73	74	85	104	103	88	78	76	74
60°	876	510	72	72	83	100	101	86	78	75	74
61°	842	470	71	72	81	97	98	85	77	74	74
62°	788	425	69	72	78	95	97	84	75	73	73
63°	723	361	67	70	75	92	96	82	74	73	72
64°	633	309	66	69	74	88	94	82	73	72	72
65°	541	258	65	68	71	85	93	80	71	71	71
66°	446	213	63	67	69	83	91	78	70	70	69
67°	346	170	61	65	67	81	91	77	69	69	69
67.5°	304	155	60	64	67	80	88	76	68	69	68
68°	264	134	60	64	66	78	88	76	68	68	68
69°	200	112	58	62	64	76	87	75	66	68	66
70°	143	91	56	60	62	74	86	74	64	67	65
71°	115	78	55	58	60	72	83	72	63	66	64
72°	93	68	52	56	58	69	82	71	61	63	60
72.5°	82	64	51	55	58	68	79	69	59	60	57
73°	77	60	50	54	56	66	78	68	59	59	56
74°	66	54	47	52	54	63	74	66	57	56	53
75°	60	49	45	49	51	59	71	64	56	53	52



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	45	38	38	43	45	54	65	59	52	49	47
80°	33	29	32	36	37	50	62	55	47	43	42
82.5°	22	19	25	29	29	43	58	47	40	37	34
85°	10	10	16	19	20	31	47	36	29	23	22
87.5°	3	5	9	9	10	17	32	23	19	14	13
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)