

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: P678413

Luminaire Tested: **CCW-SA-2-AMB-U-T3**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P678413
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-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T3 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

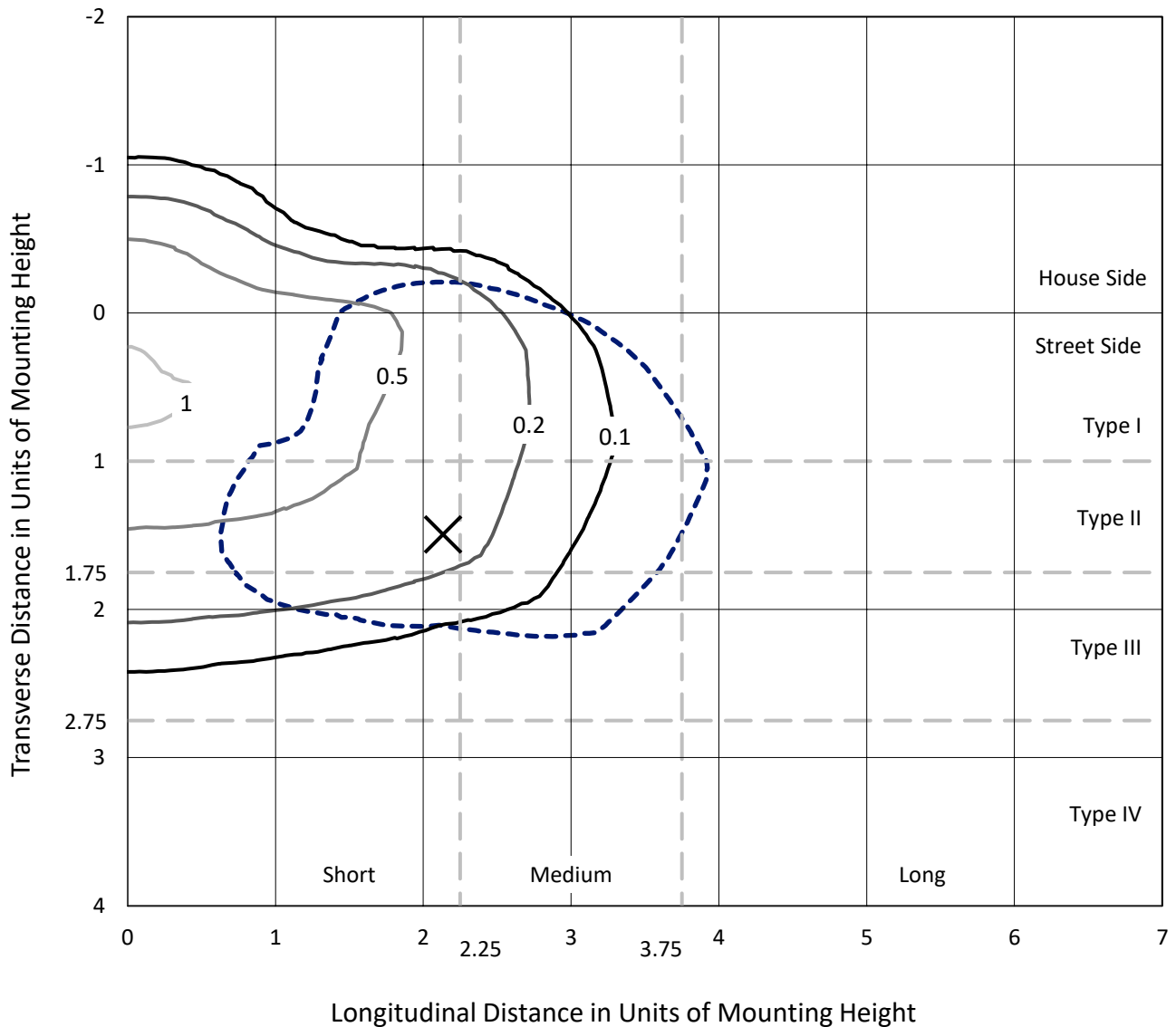
Lumens per Lamp: N/A
Luminaire Lumens: 1816.9 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

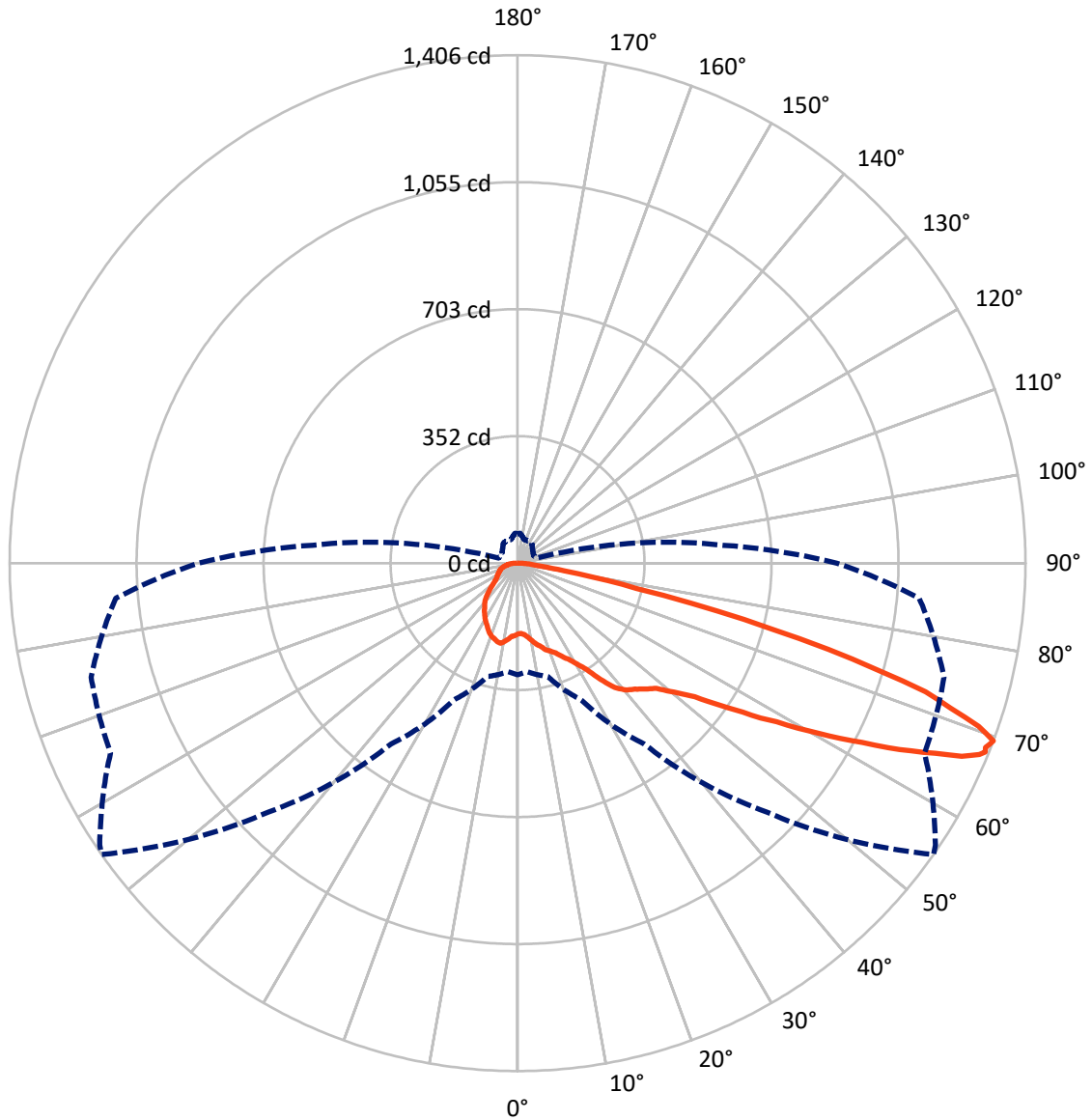
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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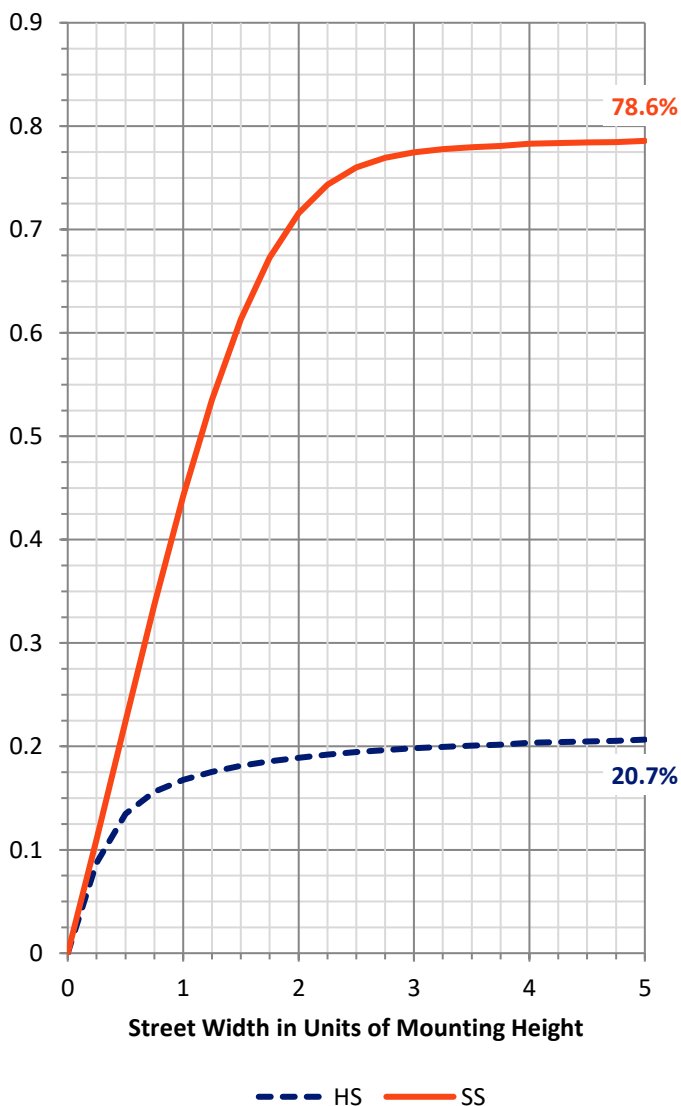
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	384.2	0.0	384.2
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	1432.7	0.0	1432.7
	% Fixture	78.9	0.0	78.9
Total	Lumens	1816.9	0.0	1816.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.1
10°-20°	66.1	3.6
20°-30°	116.3	6.4
30°-40°	175.9	9.7
40°-50°	250.5	13.8
50°-60°	384.9	21.2
60°-70°	515.8	28.4
70°-80°	256.5	14.1
80°-90°	31.0	1.7
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°	1816.9	100.0
0°-180°	1816.9	100.0



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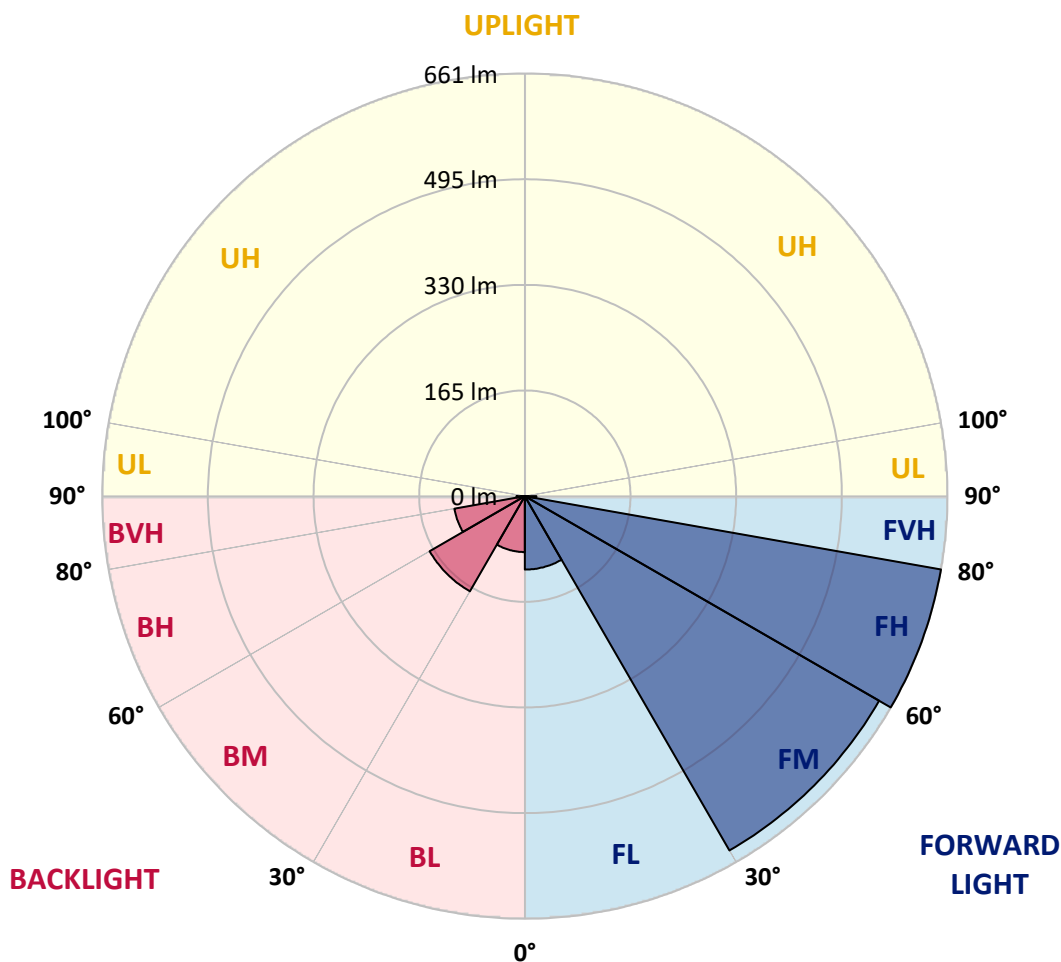
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.8	6.3			
FM (30°-60°)	639.5	35.2			
FH (60°-80°)	660.5	36.4			G1/1800
FVH (80°-90°)	17.9	1.0			G1/100
BL (0°-30°)	87.4	4.8	B0/110		
BM (30°-60°)	171.9	9.5	B0/220		
BH (60°-80°)	111.8	6.2	B1/500		G1/500
BVH (80°-90°)	13.1	0.7			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	196	196	196	196	196	196	196	196	196	196	196
2.5°	196	196	194	193	196	195	195	195	194	195	196
5°	202	202	199	200	199	201	199	198	200	202	198
7.5°	212	211	213	209	210	208	207	207	208	205	208
10°	227	224	227	224	221	218	218	214	217	217	217
12.5°	244	243	240	236	232	231	230	225	229	227	229
15°	255	252	251	248	243	239	239	240	239	239	240
17.5°	269	265	262	260	249	249	252	251	253	252	250
20°	286	281	281	271	266	259	260	257	266	267	260
22.5°	306	305	297	288	280	272	270	270	281	280	267
25°	330	324	320	311	297	289	286	284	295	292	281
27.5°	349	347	341	333	318	306	302	304	308	307	287
30°	382	379	370	365	352	336	324	323	325	322	300
32.5°	414	410	404	394	386	371	350	352	348	338	311
35°	440	430	428	425	408	405	395	397	384	367	333
37.5°	453	447	454	447	442	435	437	431	416	388	335
40°	460	457	466	470	473	472	462	454	418	387	348
42.5°	472	475	483	497	500	509	477	479	432	409	376
45°	511	504	523	530	533	544	497	494	452	449	417
47.5°	554	554	567	569	576	587	518	506	482	505	473
50°	585	581	600	612	632	656	561	551	537	588	545
52.5°	598	597	638	640	691	724	614	616	623	674	631
55°	620	616	645	682	738	782	707	695	726	775	721
56°	625	615	657	689	765	799	748	740	761	807	771
57°	619	616	649	696	786	827	798	801	807	845	824
58°	631	622	653	707	802	863	841	848	850	884	864
59°	622	625	657	717	813	891	901	897	895	924	923
60°	611	614	649	725	836	924	956	956	938	961	994
61°	605	607	639	722	852	964	1017	1028	982	1007	1045
62°	601	609	634	720	863	1006	1076	1080	1021	1043	1090
63°	598	594	629	715	869	1042	1146	1133	1067	1087	1131
64°	575	573	601	704	870	1068	1207	1191	1107	1116	1158
65°	533	543	572	683	859	1094	1270	1276	1152	1152	1167
66°	486	488	517	633	834	1101	1341	1326	1197	1172	1173
67°	433	444	466	572	775	1095	1384	1368	1224	1201	1170
67.5°	415	408	437	533	745	1083	1396	1394	1233	1209	1154
68°	366	376	398	502	709	1046	1392	1399	1245	1227	1146
69°	309	302	325	418	611	974	1406	1395	1243	1222	1116
70°	225	228	248	335	533	874	1354	1364	1247	1206	1057
71°	168	172	194	252	414	758	1264	1298	1223	1189	993
72°	130	129	147	189	316	624	1184	1195	1153	1145	903
72.5°	116	116	128	168	279	556	1115	1148	1125	1123	865
73°	96	100	113	142	233	486	1036	1060	1070	1090	793
74°	68	70	82	105	173	362	893	922	971	986	690
75°	53	53	60	79	125	258	724	765	836	867	565



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
77.5°	37	37	41	48	62	91	337	366	487	524	300
80°	26	26	31	35	41	45	129	139	222	265	135
82.5°	19	19	24	26	30	30	52	55	85	94	49
85°	16	17	21	18	19	16	31	31	40	39	16
87.5°	7	7	18	13	10	6	10	11	16	18	7
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°	196	196	196	196	196	196	196	196	196	196	196
2.5°	196	198	198	200	201	200	198	201	201	197	200
5°	201	203	202	203	203	203	205	204	207	205	204
7.5°	209	208	210	210	212	212	213	211	213	213	212
10°	216	217	219	220	220	219	215	214	214	214	215
12.5°	226	230	230	233	227	218	212	212	211	211	210
15°	239	241	240	235	225	216	214	211	212	212	209
17.5°	250	245	249	233	219	212	210	207	207	208	208
20°	256	257	248	225	215	206	205	204	202	198	199
22.5°	264	259	249	221	208	201	198	191	187	187	188
25°	274	266	245	213	198	190	185	180	171	169	168
27.5°	282	273	237	206	189	180	171	159	153	152	150
30°	286	272	232	198	181	166	153	141	137	135	135
32.5°	297	287	232	193	171	152	135	124	121	122	121
35°	317	296	235	190	162	140	121	114	111	106	107
37.5°	316	298	234	185	151	126	112	106	99	94	93
40°	333	308	235	179	143	118	106	99	91	84	84
42.5°	354	331	233	167	131	108	98	90	81	74	75
45°	397	358	231	156	117	100	89	79	74	70	69
47.5°	447	395	232	140	102	91	78	73	70	67	68
50°	513	434	228	121	89	82	73	71	68	66	65
52.5°	596	484	219	101	78	76	72	69	67	66	65
55°	693	546	202	86	71	73	71	69	68	66	65
56°	742	579	191	81	69	72	71	70	69	67	67
57°	788	605	175	77	68	71	71	70	70	66	67
58°	833	638	163	72	67	70	72	70	70	67	67
59°	890	685	146	69	65	69	72	70	70	68	67
60°	931	712	130	66	63	67	72	69	69	69	69
61°	978	742	117	64	62	67	71	68	68	69	69
62°	1016	762	103	61	60	65	68	68	68	70	70
63°	1042	772	94	59	59	64	67	68	67	72	72
64°	1044	758	82	58	58	62	66	66	68	75	75
65°	1040	742	73	56	56	60	65	66	69	78	77
66°	1023	723	66	54	55	58	65	66	69	80	80
67°	983	683	61	52	54	58	65	67	69	81	81
67.5°	972	649	59	51	53	57	66	68	68	83	82
68°	930	630	58	50	52	57	66	68	68	83	83
69°	884	570	55	49	52	58	68	68	68	83	81
70°	812	495	51	47	50	61	67	68	68	81	79
71°	729	430	49	46	50	61	67	68	67	78	76
72°	653	365	48	45	49	59	67	68	66	76	73
72.5°	615	322	47	44	47	57	67	68	67	74	71
73°	557	291	46	43	46	55	66	67	66	72	70
74°	458	224	45	42	44	51	65	67	65	68	67
75°	365	182	43	40	41	48	64	66	63	65	64



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	183	88	36	35	36	42	58	60	57	58	57
80°	84	48	29	30	30	35	50	53	51	49	49
82.5°	39	27	24	26	26	30	42	45	42	40	39
85°	14	15	19	22	19	22	32	35	32	26	27
87.5°	6	9	14	18	13	12	22	24	21	17	15
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)