

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: P679421

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

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P679421
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-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @500mA w/
T3 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

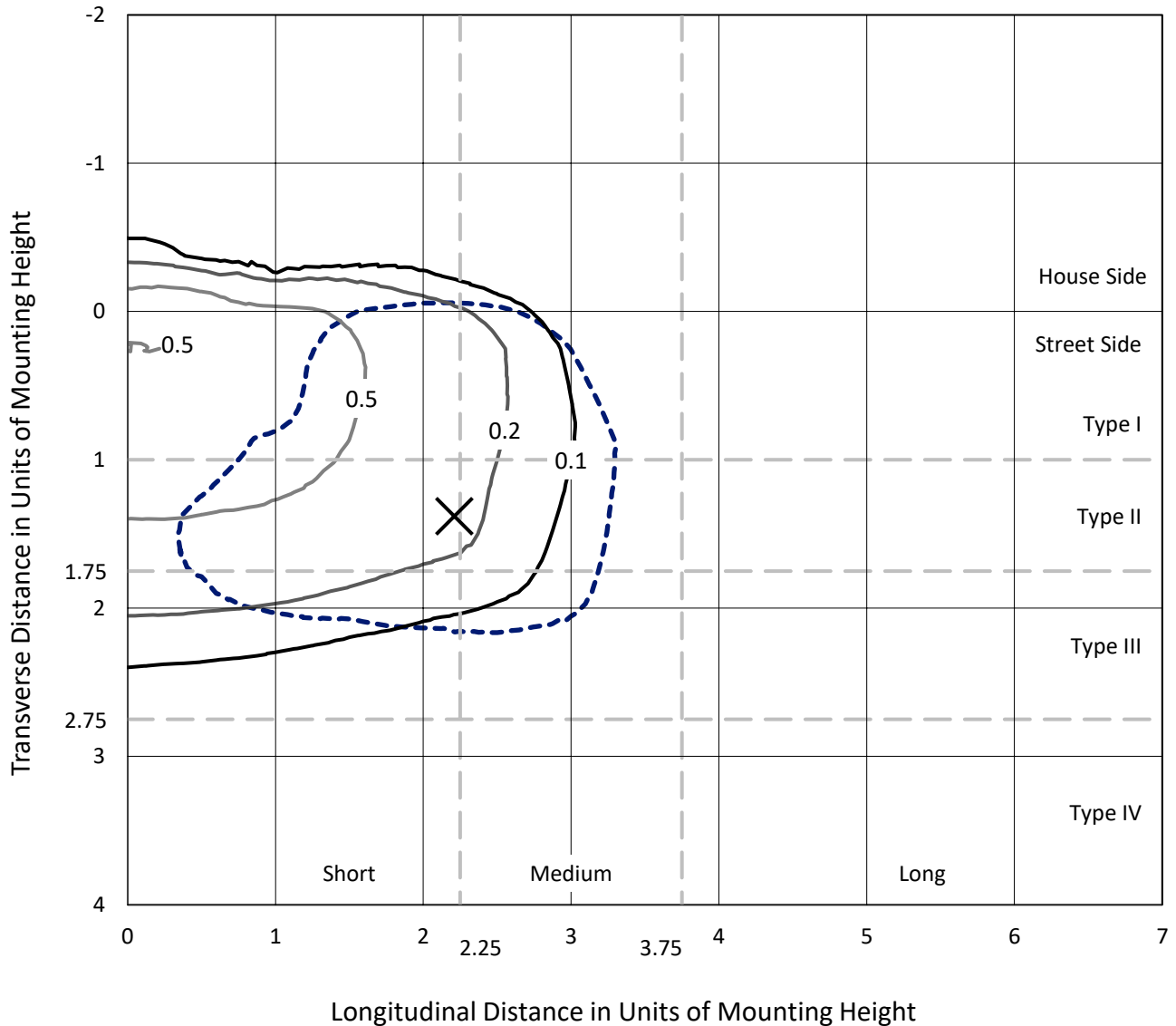
Lumens per Lamp: N/A
Luminaire Lumens: 1311.4 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

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

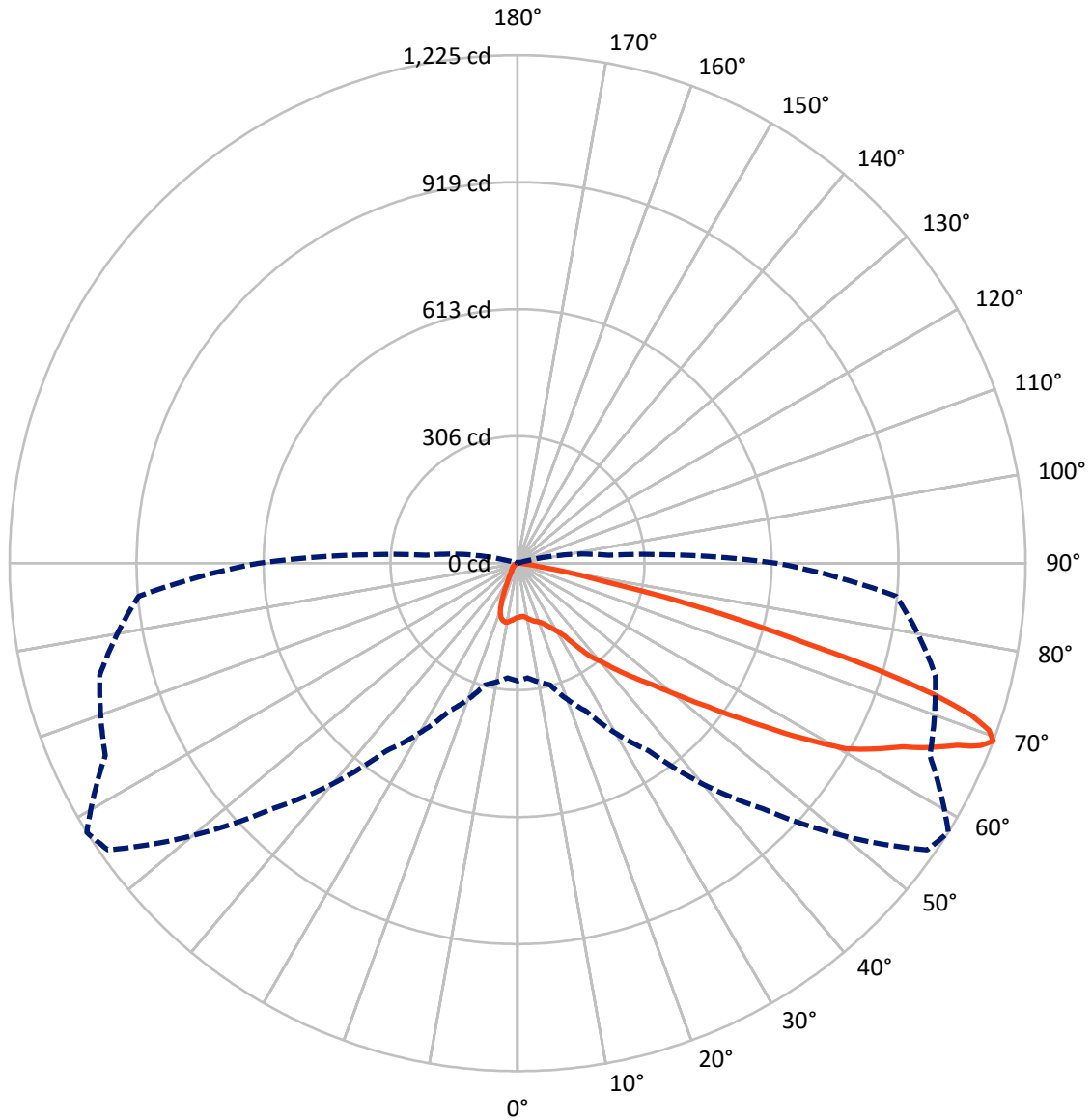
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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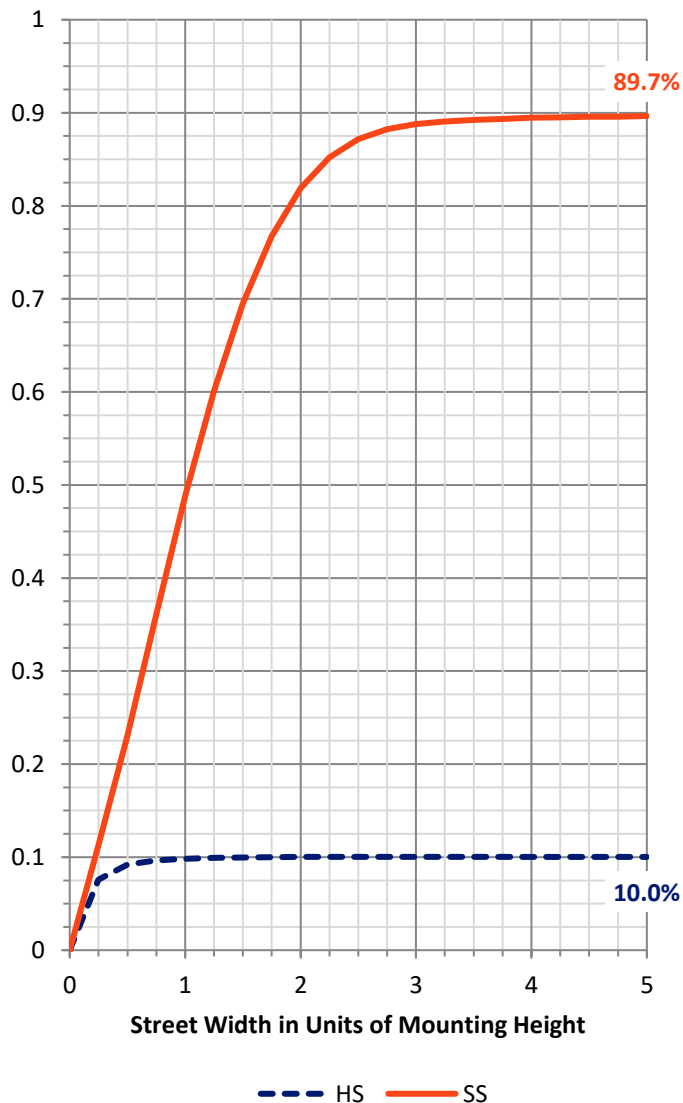
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	132.7	0.0	132.7
	% Fixture	10.1	0.0	10.1
Street Side	Lumens	1178.7	0.0	1178.7
	% Fixture	89.9	0.0	89.9
Total	Lumens	1311.4	0.0	1311.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	1.0
10°-20°	36.3	2.8
20°-30°	63.4	4.8
30°-40°	114.2	8.7
40°-50°	191.8	14.6
50°-60°	320.8	24.5
60°-70°	414.8	31.6
70°-80°	152.3	11.6
80°-90°	5.3	0.4
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°	1311.4	100.0
0°-180°	1311.4	100.0

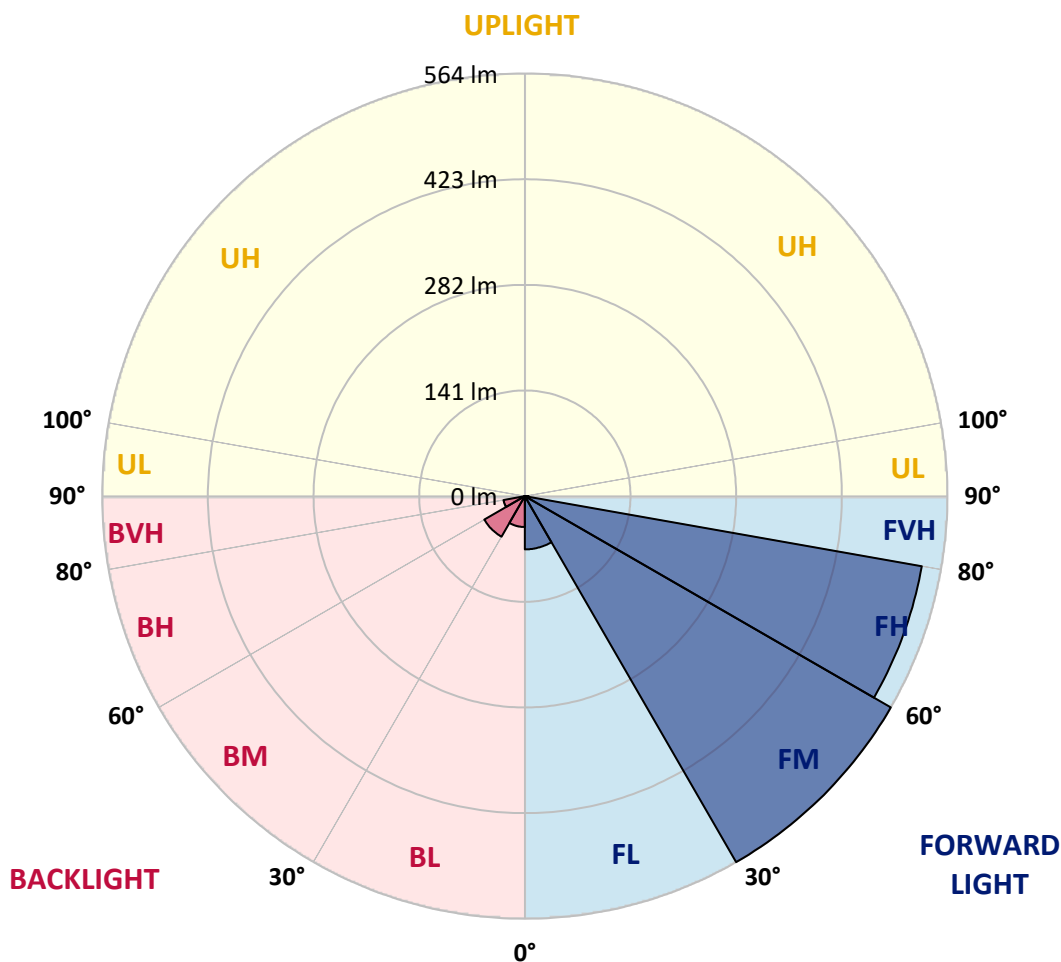


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.1	5.4			
FM (30°-60°)	564.3	43.0			
FH (60°-80°)	538.2	41.0			G0/660
FVH (80°-90°)	5.2	0.4			G0/10
BL (0°-30°)	41.3	3.1	B0/110		
BM (30°-60°)	62.4	4.8	B0/220		
BH (60°-80°)	28.9	2.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	131	131	131	131	131	131	131	131	131	131	131
2.5°	128	127	128	128	128	129	130	130	131	132	131
5°	122	124	124	124	126	128	129	129	132	135	136
7.5°	120	118	120	124	125	129	132	131	135	139	140
10°	119	118	119	121	123	129	135	136	142	146	149
12.5°	120	119	121	122	125	130	138	140	147	154	158
15°	121	122	122	123	126	130	140	145	154	165	170
17.5°	127	128	125	124	128	132	143	148	161	175	179
20°	149	145	140	135	132	136	150	152	168	183	185
22.5°	183	180	172	157	142	142	156	158	178	191	193
25°	228	224	212	188	166	154	163	167	186	203	201
27.5°	269	267	253	231	197	174	173	178	199	218	212
30°	312	308	295	271	237	201	189	191	209	229	218
32.5°	348	348	339	313	279	243	213	210	222	241	233
35°	387	376	370	353	316	281	252	247	253	270	255
37.5°	400	399	397	387	359	318	289	285	287	301	273
40°	413	414	417	416	403	368	328	313	304	316	296
42.5°	431	432	444	440	436	423	369	353	340	357	331
45°	465	469	474	479	472	474	416	394	382	403	370
47.5°	514	508	524	521	514	528	462	438	435	468	427
50°	541	537	554	562	571	596	516	499	516	546	498
52.5°	555	566	588	601	624	663	589	575	604	640	576
55°	575	576	606	633	692	716	680	669	695	731	638
56°	588	579	609	639	713	744	720	714	739	760	662
57°	580	582	612	659	733	774	758	763	786	787	685
58°	597	586	612	665	749	804	815	809	819	810	718
59°	591	578	615	679	760	839	862	859	857	831	744
60°	576	577	611	689	781	870	901	908	878	847	790
61°	582	578	607	683	799	896	934	940	900	872	816
62°	573	571	599	679	813	925	978	971	908	893	867
63°	549	549	584	683	804	937	1019	999	938	910	902
64°	543	540	572	662	810	941	1044	1029	951	945	940
65°	506	508	536	638	782	951	1082	1073	988	973	973
66°	465	454	496	596	753	942	1118	1111	1018	1005	989
67°	417	405	440	535	703	924	1162	1148	1051	1037	983
67.5°	380	378	410	507	675	915	1193	1179	1078	1055	986
68°	358	353	383	469	634	892	1201	1200	1084	1056	972
69°	284	278	304	395	553	838	1206	1225	1097	1043	917
70°	214	214	237	322	471	765	1206	1206	1074	1023	831
71°	150	148	175	244	380	670	1158	1153	1021	952	705
72°	93	96	128	171	288	577	1053	1053	929	852	555
72.5°	83	82	109	149	254	500	976	984	882	778	480
73°	68	67	96	122	217	450	893	904	818	707	409
74°	47	45	61	89	148	304	704	722	654	559	272
75°	28	28	39	58	98	193	541	575	520	406	158



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
77.5°	16	16	20	28	36	49	211	223	199	119	43
80°	12	12	14	18	22	21	58	61	64	35	13
82.5°	6	7	10	13	15	9	17	19	22	18	6
85°	5	5	7	10	9	5	7	7	9	10	3
87.5°	3	3	5	7	4	2	3	3	4	5	1
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°	131	131	131	131	131	131	131	131	131	131	131
2.5°	131	134	133	133	133	133	134	132	132	132	131
5°	135	136	138	137	137	135	133	132	134	133	133
7.5°	141	141	141	141	139	136	133	131	129	128	127
10°	149	149	150	146	144	138	127	123	120	120	118
12.5°	160	160	158	153	142	129	121	112	104	101	99
15°	169	168	167	157	136	123	102	83	70	64	65
17.5°	177	178	172	151	131	104	71	50	42	41	41
20°	186	183	175	145	117	71	44	39	38	38	38
22.5°	192	188	171	140	90	44	38	37	37	36	37
25°	198	192	167	131	59	37	36	35	35	34	34
27.5°	207	198	164	107	37	34	33	33	31	29	29
30°	212	203	161	78	31	30	29	28	26	24	24
32.5°	221	211	160	49	29	27	25	23	20	18	18
35°	242	222	157	32	26	24	21	18	15	14	14
37.5°	252	230	145	27	24	21	18	14	12	11	11
40°	277	250	118	25	21	18	14	11	10	9	9
42.5°	309	271	85	22	19	15	11	9	8	8	8
45°	346	299	53	20	17	12	9	8	7	7	7
47.5°	393	323	34	19	14	10	8	6	6	6	6
50°	452	346	27	16	12	9	7	6	6	5	5
52.5°	514	364	23	15	11	8	7	6	6	5	5
55°	558	370	19	13	9	7	7	6	5	5	5
56°	581	372	18	12	9	7	6	6	5	5	5
57°	602	372	16	11	9	7	6	5	5	4	4
58°	619	369	15	11	8	7	6	5	5	4	4
59°	645	372	14	10	8	6	6	5	4	4	4
60°	655	369	13	9	7	6	5	5	4	3	3
61°	683	370	12	8	7	6	5	5	3	2	2
62°	697	365	11	8	6	5	5	4	3	2	1
63°	715	362	10	7	5	5	5	3	2	1	1
64°	734	355	9	6	5	5	4	2	1	0	0
65°	725	335	8	6	4	4	3	2	1	0	0
66°	726	317	7	5	4	4	2	1	0	0	0
67°	711	292	7	5	3	3	2	1	0	0	0
67.5°	694	279	6	4	3	3	2	1	0	0	0
68°	679	257	6	4	3	2	1	1	0	0	0
69°	624	221	5	4	3	2	1	0	0	0	0
70°	542	177	5	3	2	1	1	0	0	0	0
71°	435	134	4	3	2	1	0	0	0	0	0
72°	336	97	4	3	1	1	0	0	0	0	0
72.5°	294	79	4	2	1	1	0	0	0	0	0
73°	236	60	4	2	1	0	0	0	0	0	0
74°	150	33	3	2	1	0	0	0	0	0	0
75°	90	22	3	2	1	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	24	7	2	1	0	0	0	0	0	0	0
80°	8	3	1	0	0	0	0	0	0	0	0
82.5°	3	1	1	0	0	0	0	0	0	0	0
85°	1	1	0	0	0	0	0	0	0	0	0
87.5°	1	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)