

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: P681871

Luminaire Tested: **CCP-SA-2-AMB-U-T4W-HSS**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P681871  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2-AMB-U-T4W-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ T4FT distribution lens and House Side Shield  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

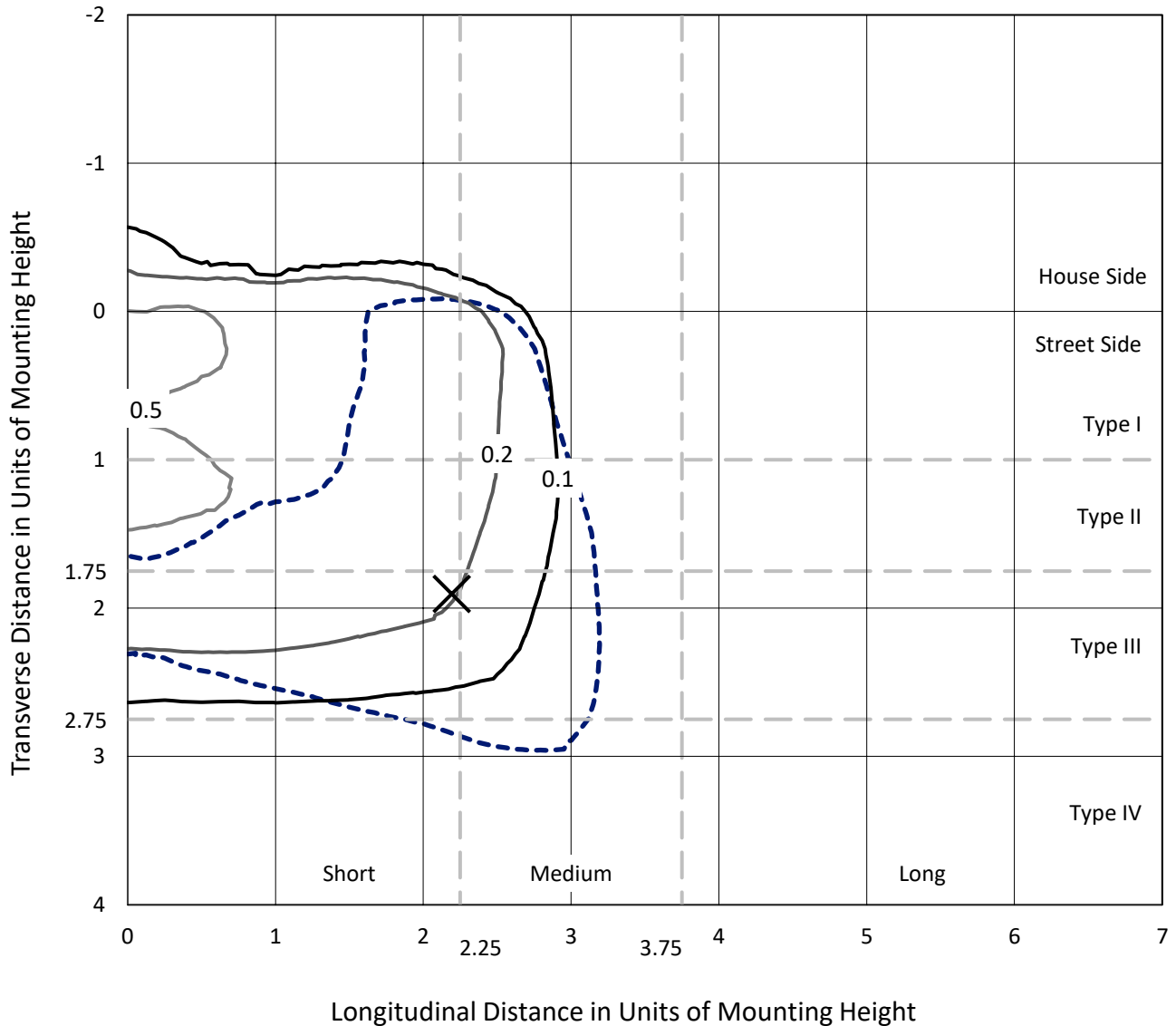
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1299.1 lumens  
Efficiency: N/A  
Efficacy: 32.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - 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

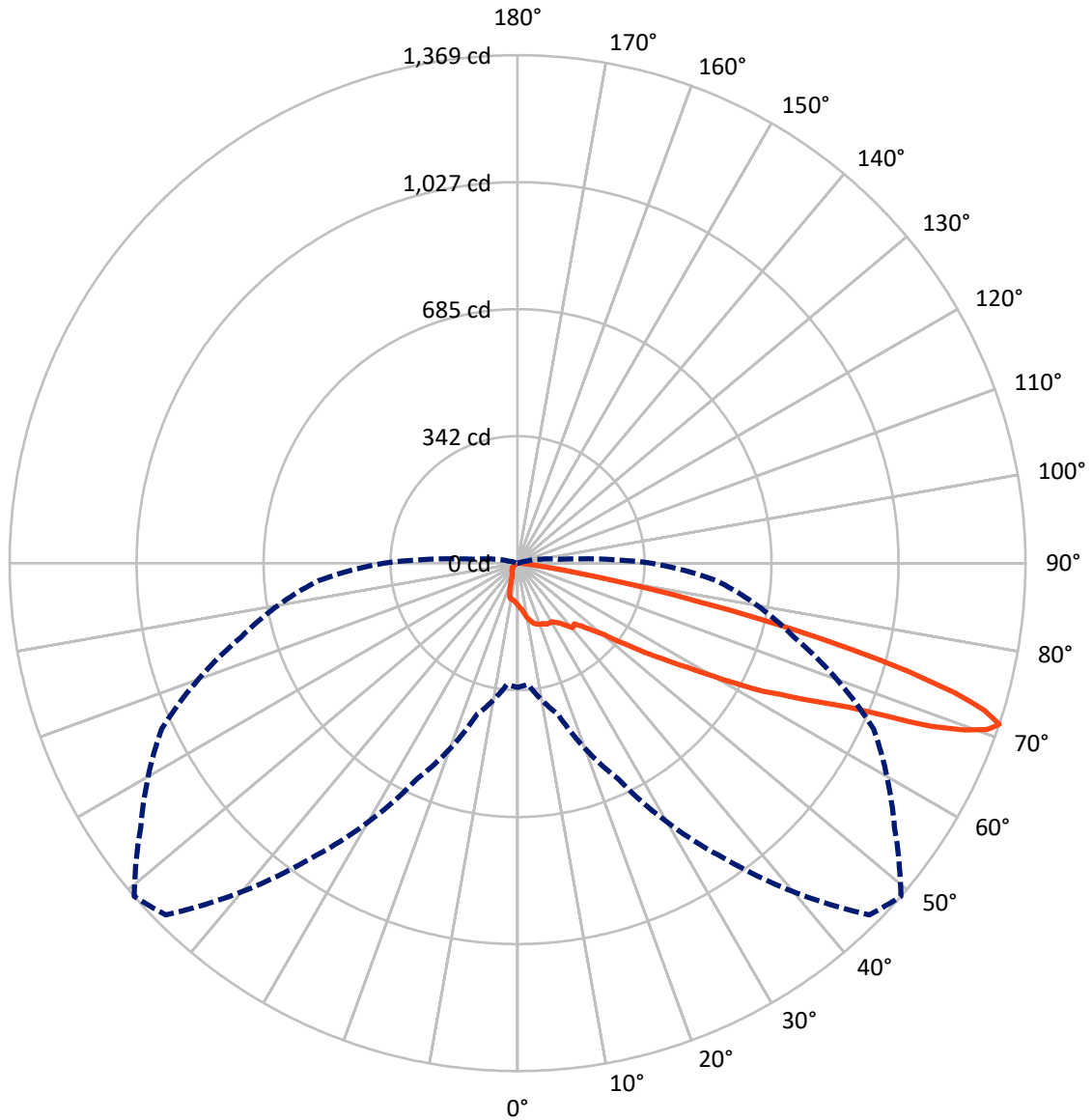
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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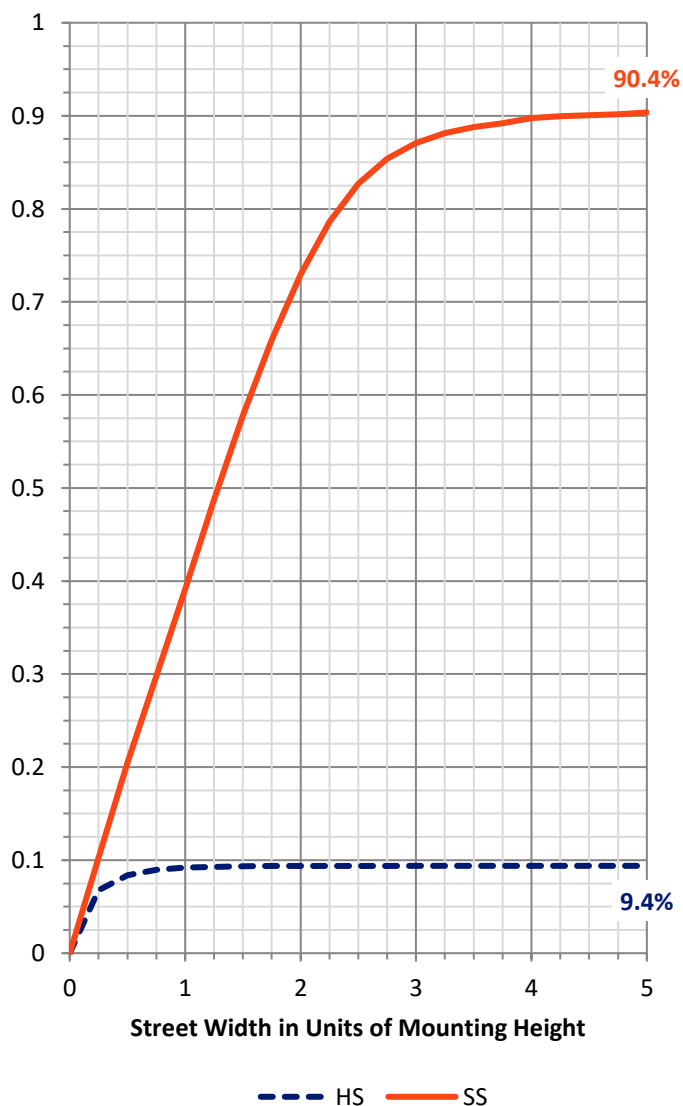
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	122.9	0.0	122.9
	% Fixture	9.5	0.0	9.5
<b>Street Side</b>	Lumens	1176.2	0.0	1176.2
	% Fixture	90.5	0.0	90.5
<b>Total</b>	Lumens	1299.1	0.0	1299.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.9
10°-20°	35.2	2.7
20°-30°	55.4	4.3
30°-40°	80.6	6.2
40°-50°	135.6	10.4
50°-60°	270.8	20.8
60°-70°	472.2	36.3
70°-80°	226.4	17.4
80°-90°	11.6	0.9
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°	1299.1	100.0
0°-180°	1299.1	100.0

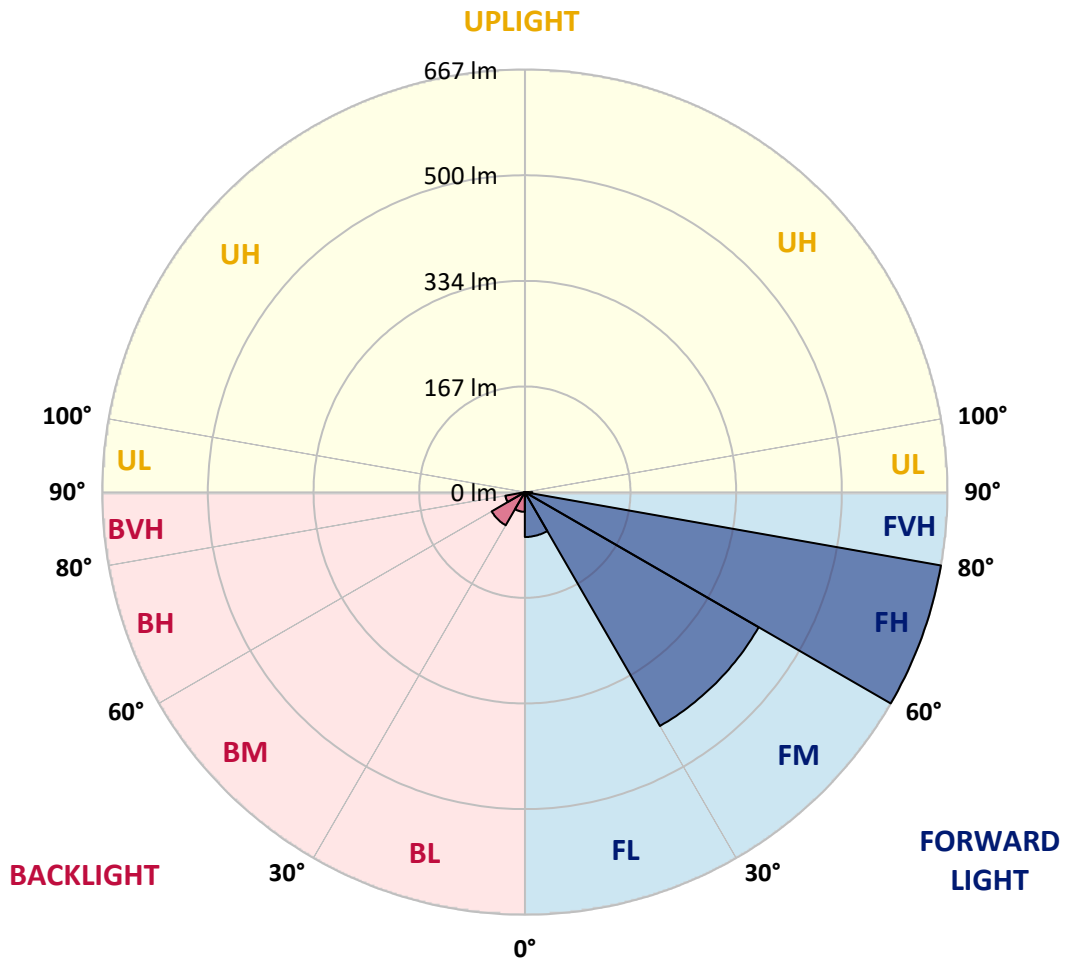


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.8	5.5			
FM (30°-60°)	426.5	32.8			
FH (60°-80°)	667.3	51.4			G1/1800
FVH (80°-90°)	11.5	0.9			G1/100
BL (0°-30°)	31.1	2.4	B0/110		
BM (30°-60°)	60.5	4.7	B0/220		
BH (60°-80°)	31.2	2.4	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-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	113	113	113	113	113	113	113	113	113	113	113
2.5°	125	124	123	123	121	119	120	117	116	114	113
5°	142	140	139	137	134	128	126	125	122	116	114
7.5°	162	159	159	155	148	141	139	135	129	123	119
10°	176	175	171	166	161	153	151	147	139	133	124
12.5°	187	184	183	177	168	165	161	159	149	140	131
15°	190	192	186	180	176	170	169	165	158	150	137
17.5°	190	189	188	182	178	174	173	171	167	157	144
20°	183	183	183	179	177	176	176	176	174	163	150
22.5°	176	177	178	175	178	177	177	178	175	170	156
25°	177	175	176	173	177	180	182	181	178	171	162
27.5°	175	177	176	175	178	183	183	184	180	174	164
30°	179	180	179	176	177	185	183	185	186	181	173
32.5°	198	193	187	183	187	191	191	195	195	194	184
35°	228	208	196	190	190	197	199	204	213	203	190
37.5°	252	227	208	205	201	211	213	217	229	212	197
40°	294	282	255	217	211	225	229	235	234	218	208
42.5°	358	348	319	267	219	223	224	231	248	238	228
45°	423	419	390	326	252	243	242	249	270	263	248
47.5°	466	471	464	393	306	270	269	277	303	302	278
50°	500	495	503	473	375	310	303	311	351	354	335
52.5°	564	567	547	543	478	377	362	366	415	429	413
55°	626	620	602	603	573	460	434	439	508	525	503
56°	641	632	625	637	611	491	466	467	548	568	548
57°	649	641	647	669	661	525	503	511	595	606	598
58°	670	654	666	690	700	568	538	559	641	636	667
59°	673	672	691	730	748	613	584	596	681	681	730
60°	704	690	715	755	770	668	638	649	733	727	799
61°	725	719	746	785	807	722	691	703	769	780	894
62°	744	750	777	828	842	770	749	755	821	841	986
63°	757	766	818	862	884	836	794	794	861	903	1054
64°	762	772	839	911	945	881	852	832	918	953	1100
65°	733	747	846	941	1015	946	908	888	984	1005	1149
66°	696	711	822	954	1051	1025	974	965	1044	1040	1133
67°	667	662	781	940	1088	1130	1075	1049	1092	1050	1074
67.5°	644	638	749	925	1101	1164	1143	1095	1116	1047	1037
68°	595	614	717	905	1105	1217	1200	1143	1139	1023	997
69°	528	518	633	846	1083	1298	1284	1211	1148	971	863
70°	413	414	524	744	1032	1340	1342	1243	1118	891	692
71°	335	328	422	642	971	1341	1369	1240	1059	772	538
72°	236	237	316	517	858	1308	1319	1173	949	625	373
72.5°	200	204	280	470	785	1268	1276	1117	876	539	305
73°	157	162	236	397	739	1216	1227	1054	794	470	243
74°	107	109	167	303	603	1086	1093	924	661	330	153
75°	82	84	115	220	485	962	932	767	498	205	91



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
77.5°	26	28	47	94	226	495	497	397	213	78	24
80°	15	16	21	39	93	157	171	154	85	41	10
82.5°	8	8	12	21	43	42	46	57	42	32	5
85°	3	3	7	12	19	14	14	22	27	26	2
87.5°	1	1	4	6	7	6	5	6	14	18	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°	113	113	113	113	113	113	113	113	113	113	113
2.5°	111	111	109	108	108	107	107	105	106	105	106
5°	112	109	108	106	103	103	101	101	101	101	103
7.5°	115	112	108	105	101	100	98	97	98	99	97
10°	119	116	111	104	101	97	94	91	87	87	87
12.5°	125	120	113	106	100	94	82	71	63	62	63
15°	133	126	115	107	98	79	59	48	45	46	46
17.5°	137	131	117	109	87	58	43	40	41	43	44
20°	144	136	122	106	68	42	39	38	39	41	42
22.5°	151	140	127	97	47	36	37	37	38	39	40
25°	156	149	133	81	36	34	35	36	36	38	39
27.5°	160	152	134	61	32	32	32	34	34	36	36
30°	168	163	134	42	30	29	29	31	32	34	34
32.5°	179	176	128	33	28	27	27	28	29	31	31
35°	188	185	117	29	27	25	25	24	25	26	27
37.5°	199	199	102	27	26	24	22	21	20	20	20
40°	212	216	83	26	24	23	20	18	15	14	15
42.5°	233	237	58	25	23	21	17	14	11	10	10
45°	255	262	40	24	23	18	14	10	8	7	8
47.5°	291	292	32	23	23	16	10	8	6	6	6
50°	357	323	28	22	21	14	8	6	6	6	6
52.5°	448	366	25	21	18	11	7	6	6	6	6
55°	535	397	21	18	14	10	7	6	5	5	5
56°	569	405	19	16	13	9	7	6	5	4	4
57°	611	414	17	15	11	8	7	5	5	4	4
58°	660	427	15	13	10	8	6	5	5	4	4
59°	701	434	13	12	9	7	6	5	4	3	3
60°	762	440	11	10	8	7	6	5	4	3	2
61°	822	447	10	9	7	6	5	4	3	2	2
62°	870	444	9	7	6	6	5	3	2	1	0
63°	890	440	8	6	5	5	4	2	1	0	0
64°	910	426	7	6	5	4	4	2	1	0	0
65°	915	401	6	5	4	3	3	1	0	0	0
66°	871	372	6	4	3	3	2	1	0	0	0
67°	814	324	5	4	3	2	1	0	0	0	0
67.5°	776	298	5	4	3	2	1	0	0	0	0
68°	721	273	4	3	2	2	1	0	0	0	0
69°	608	214	4	3	2	1	0	0	0	0	0
70°	476	168	4	3	2	1	0	0	0	0	0
71°	361	117	3	2	1	0	0	0	0	0	0
72°	237	83	3	2	1	0	0	0	0	0	0
72.5°	197	61	3	2	1	0	0	0	0	0	0
73°	148	49	3	2	1	0	0	0	0	0	0
74°	95	29	2	2	0	0	0	0	0	0	0
75°	57	19	2	1	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°
77.5°	16	5	1	1	0	0	0	0	0	0	0
80°	7	3	1	0	0	0	0	0	0	0	0
82.5°	3	1	0	0	0	0	0	0	0	0	0
85°	1	0	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)