

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: P679853

Luminaire Tested: **CCW-SA-2-AMB-U-T2-HSS**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P679853  
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-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @500mA w/  
T2 distribution lens and House Side Shield  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

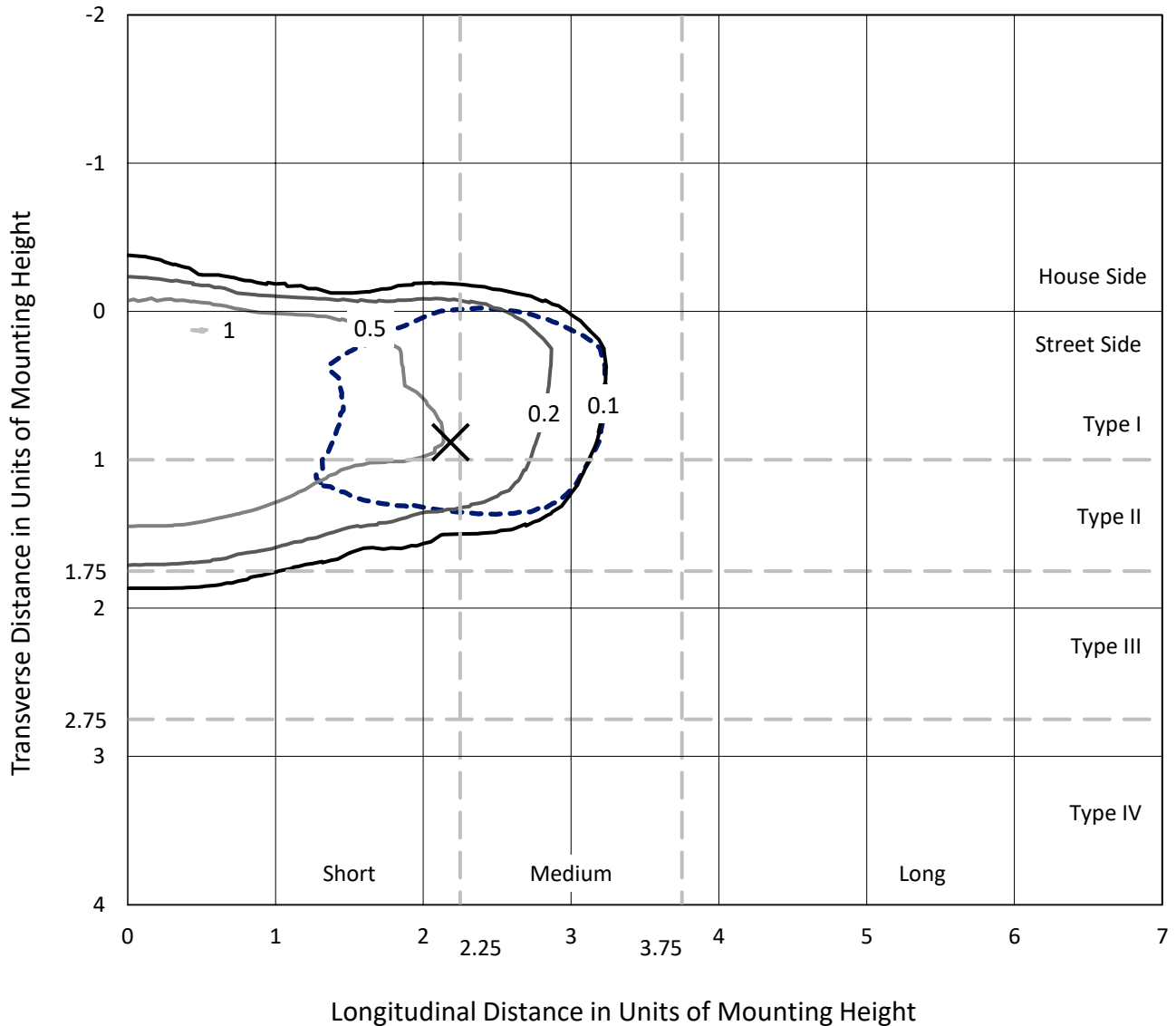
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1284.3 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - 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

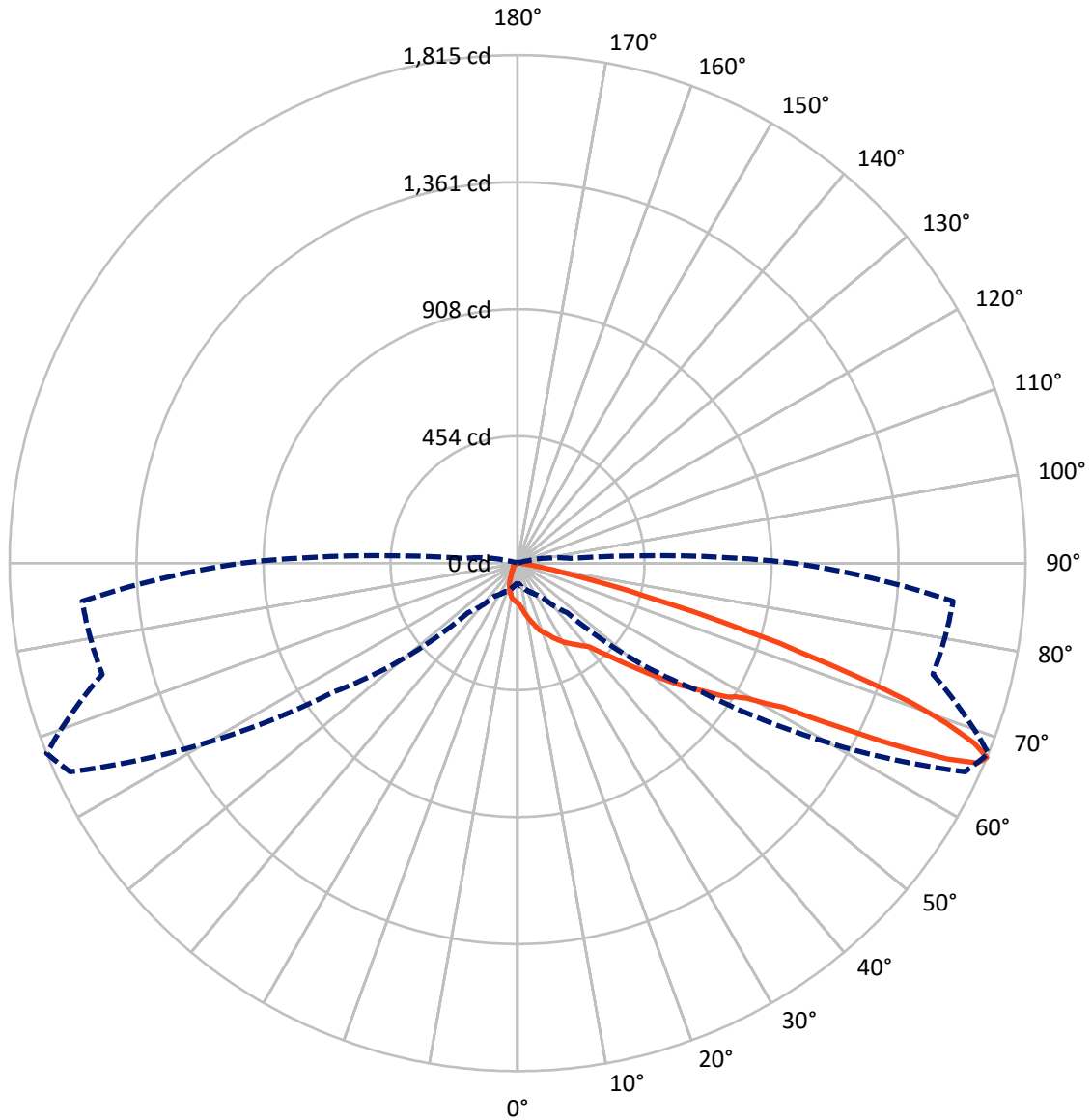
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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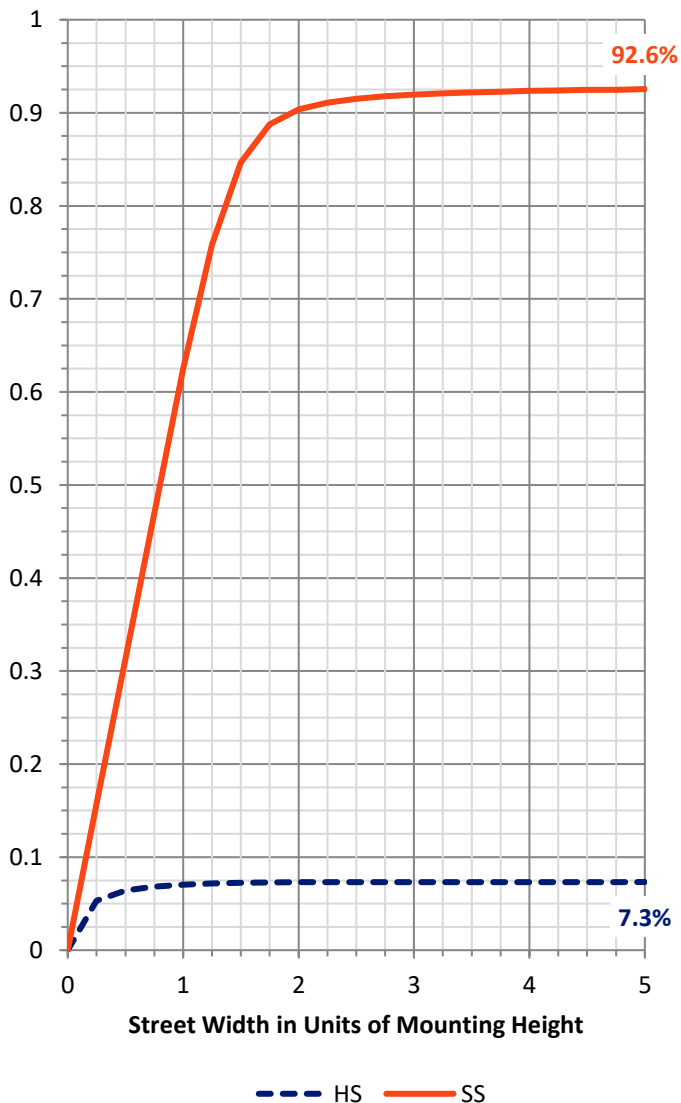
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	94.6	0.0	94.6
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	1189.7	0.0	1189.7
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	1284.3	0.0	1284.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	1.1
10°-20°	39.4	3.1
20°-30°	67.3	5.2
30°-40°	121.6	9.5
40°-50°	212.1	16.5
50°-60°	337.4	26.3
60°-70°	362.1	28.2
70°-80°	124.7	9.7
80°-90°	5.9	0.5
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°	1284.3	100.0
0°-180°	1284.3	100.0



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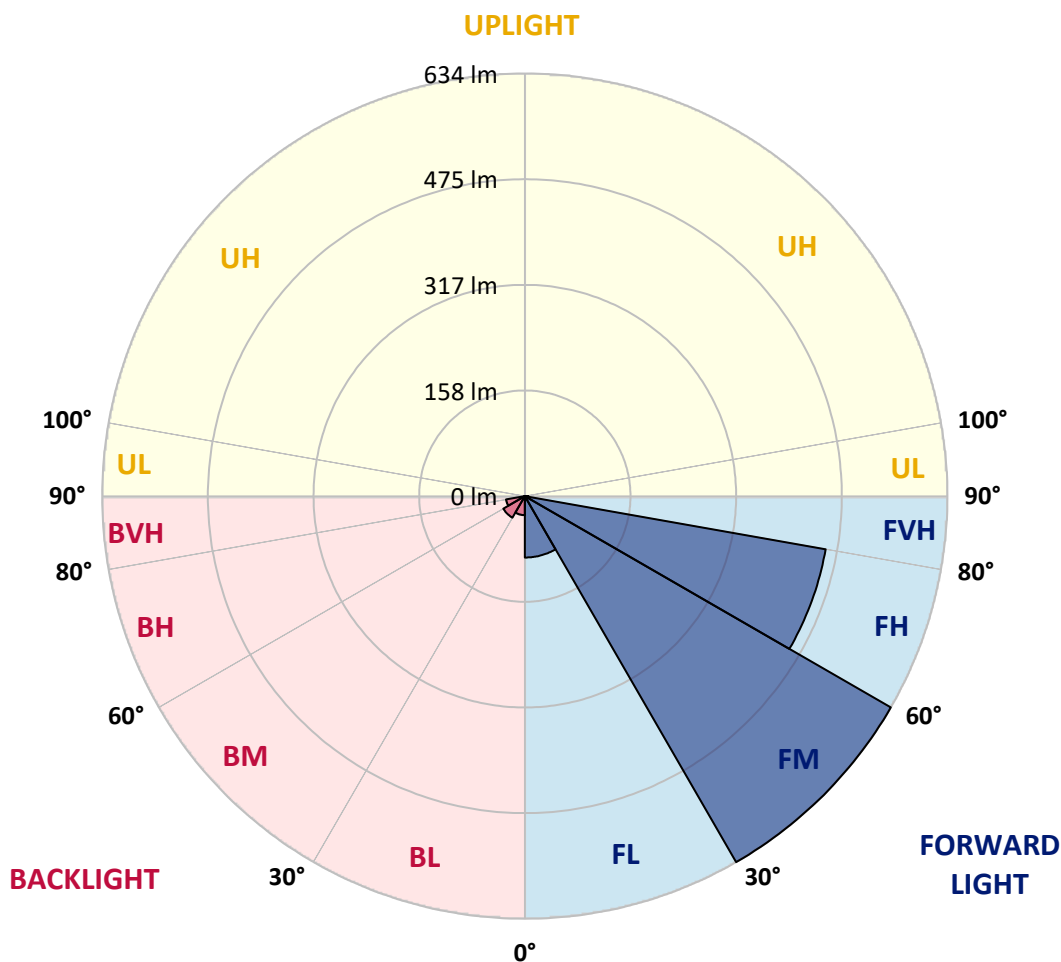
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.1	7.2			
FM (30°-60°)	633.8	49.4			
FH (60°-80°)	458.2	35.7			G0/660
FVH (80°-90°)	5.6	0.4			G0/10
BL (0°-30°)	28.5	2.2	B0/110		
BM (30°-60°)	37.3	2.9	B0/220		
BH (60°-80°)	28.6	2.2	B0/110		G0/110
BVH (80°-90°)	0.2	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	142	142	142	142	142	142	142	142	142	142	142
2.5°	162	163	164	163	161	157	155	152	151	149	147
5°	175	175	176	178	177	175	171	166	163	158	152
7.5°	178	179	179	182	181	184	186	182	180	175	164
10°	178	177	179	185	188	191	196	198	196	191	178
12.5°	175	176	178	186	193	201	208	216	213	212	196
15°	164	166	169	179	193	209	220	233	230	230	212
17.5°	154	154	158	169	187	208	231	245	251	248	227
20°	153	152	156	163	177	203	237	259	264	269	242
22.5°	179	176	173	167	174	198	239	273	276	289	259
25°	217	220	210	193	182	196	242	288	295	306	274
27.5°	263	262	255	235	209	201	245	300	311	330	292
30°	296	299	297	276	245	221	247	311	328	357	313
32.5°	338	335	337	323	289	248	255	323	342	383	330
35°	388	387	381	364	333	287	273	335	357	418	356
37.5°	443	453	445	407	375	328	303	352	374	446	384
40°	480	488	481	452	417	383	339	374	392	483	417
42.5°	507	509	512	498	464	430	391	414	435	533	464
45°	528	540	540	534	505	489	451	464	486	601	523
47.5°	585	591	588	573	548	543	506	530	551	681	586
50°	647	649	654	654	613	614	551	601	631	761	673
52.5°	658	669	692	712	709	679	592	688	720	844	761
55°	627	629	682	721	798	789	652	778	807	914	816
56°	603	600	656	709	799	829	709	821	848	946	827
57°	549	555	611	682	788	861	764	853	891	957	843
58°	484	474	542	640	774	867	843	895	913	972	863
59°	399	388	456	565	743	875	914	940	952	990	883
60°	315	317	384	473	666	856	979	1019	1016	1024	919
61°	242	240	300	387	578	830	1025	1123	1080	1052	974
62°	204	207	240	309	470	759	1057	1288	1217	1099	1065
63°	161	167	206	241	358	683	1065	1430	1369	1196	1153
64°	123	126	160	200	283	557	1078	1572	1537	1293	1299
65°	105	105	127	163	226	439	1024	1698	1685	1388	1405
66°	91	91	110	135	179	328	923	1745	1791	1483	1487
67°	73	77	95	115	144	250	804	1764	1815	1537	1562
67.5°	69	71	86	107	129	214	711	1741	1785	1551	1556
68°	64	65	82	101	116	186	654	1702	1753	1564	1557
69°	55	56	71	88	99	137	497	1561	1638	1523	1502
70°	48	50	61	78	90	105	365	1387	1492	1444	1399
71°	42	43	53	68	82	81	264	1167	1281	1305	1250
72°	36	36	46	60	72	65	185	963	1065	1126	1080
72.5°	33	34	43	56	68	61	155	853	977	1027	998
73°	31	32	41	52	64	56	127	756	856	947	862
74°	29	28	35	45	55	47	88	582	652	718	657
75°	25	26	30	39	48	40	63	408	468	526	474



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
77.5°	19	20	22	26	35	28	36	156	178	207	165
80°	12	12	16	18	24	18	21	54	63	68	44
82.5°	8	8	10	14	16	11	10	24	26	26	15
85°	4	4	8	11	10	6	5	10	13	12	6
87.5°	2	2	3	4	4	3	3	4	4	6	2
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°	142	142	142	142	142	142	142	142	142	142	142
2.5°	143	142	141	137	135	132	129	126	126	125	126
5°	150	148	140	133	126	120	114	112	109	106	107
7.5°	159	153	138	126	117	106	99	94	93	91	90
10°	168	160	137	119	104	94	85	79	75	73	73
12.5°	181	164	132	108	93	79	68	59	53	49	48
15°	193	168	127	97	80	64	47	40	39	39	39
17.5°	202	170	118	87	67	43	36	35	35	35	35
20°	212	166	105	78	49	34	32	31	30	29	29
22.5°	218	163	96	66	35	31	28	26	25	24	24
25°	221	157	87	52	31	27	24	22	21	20	20
27.5°	224	150	80	37	29	24	21	19	18	17	17
30°	232	147	72	32	26	21	19	17	16	16	15
32.5°	234	140	64	30	24	19	17	15	14	14	14
35°	238	134	50	27	21	18	15	14	13	13	13
37.5°	241	125	38	25	20	16	14	13	12	12	12
40°	249	117	31	23	18	15	13	12	11	11	11
42.5°	264	112	29	20	16	14	12	11	10	9	9
45°	292	111	27	19	15	13	11	10	9	8	8
47.5°	322	109	26	18	14	12	10	9	8	7	7
50°	371	109	25	16	13	11	9	8	7	7	7
52.5°	415	113	23	15	13	10	8	7	7	6	6
55°	453	114	22	14	12	10	8	7	7	6	6
56°	467	115	21	13	11	9	8	7	6	6	6
57°	477	115	20	13	11	9	8	7	6	6	5
58°	496	114	19	12	10	9	8	7	6	5	5
59°	519	118	18	12	10	9	8	6	6	5	5
60°	551	126	17	11	9	8	7	6	5	4	4
61°	608	141	16	11	9	8	7	5	4	3	3
62°	672	163	15	10	8	7	6	5	3	2	2
63°	764	185	14	10	8	7	6	4	2	2	1
64°	856	199	13	9	7	6	5	3	2	1	1
65°	928	203	12	8	6	5	4	2	2	1	0
66°	956	204	11	7	6	5	3	2	1	0	0
67°	988	194	10	7	5	4	2	2	0	0	0
67.5°	987	187	10	6	5	4	2	1	0	0	0
68°	961	179	9	6	5	3	2	1	0	0	0
69°	914	160	8	5	4	3	1	1	0	0	0
70°	842	140	8	5	4	2	1	1	0	0	0
71°	741	119	7	5	3	2	1	0	0	0	0
72°	619	99	6	4	3	1	1	0	0	0	0
72.5°	562	81	6	4	2	1	1	0	0	0	0
73°	482	71	6	4	2	1	0	0	0	0	0
74°	357	47	5	4	2	1	0	0	0	0	0
75°	248	29	5	3	1	1	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°	76	11	3	2	1	0	0	0	0	0	0
80°	22	6	2	1	1	0	0	0	0	0	0
82.5°	7	3	1	1	0	0	0	0	0	0	0
85°	3	1	1	0	0	0	0	0	0	0	0
87.5°	1	1	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)