

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: P679277

Luminaire Tested: **CCW-SA-2-AMB-U-SL4-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P679277
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-SL4-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @500mA w/
SL4 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

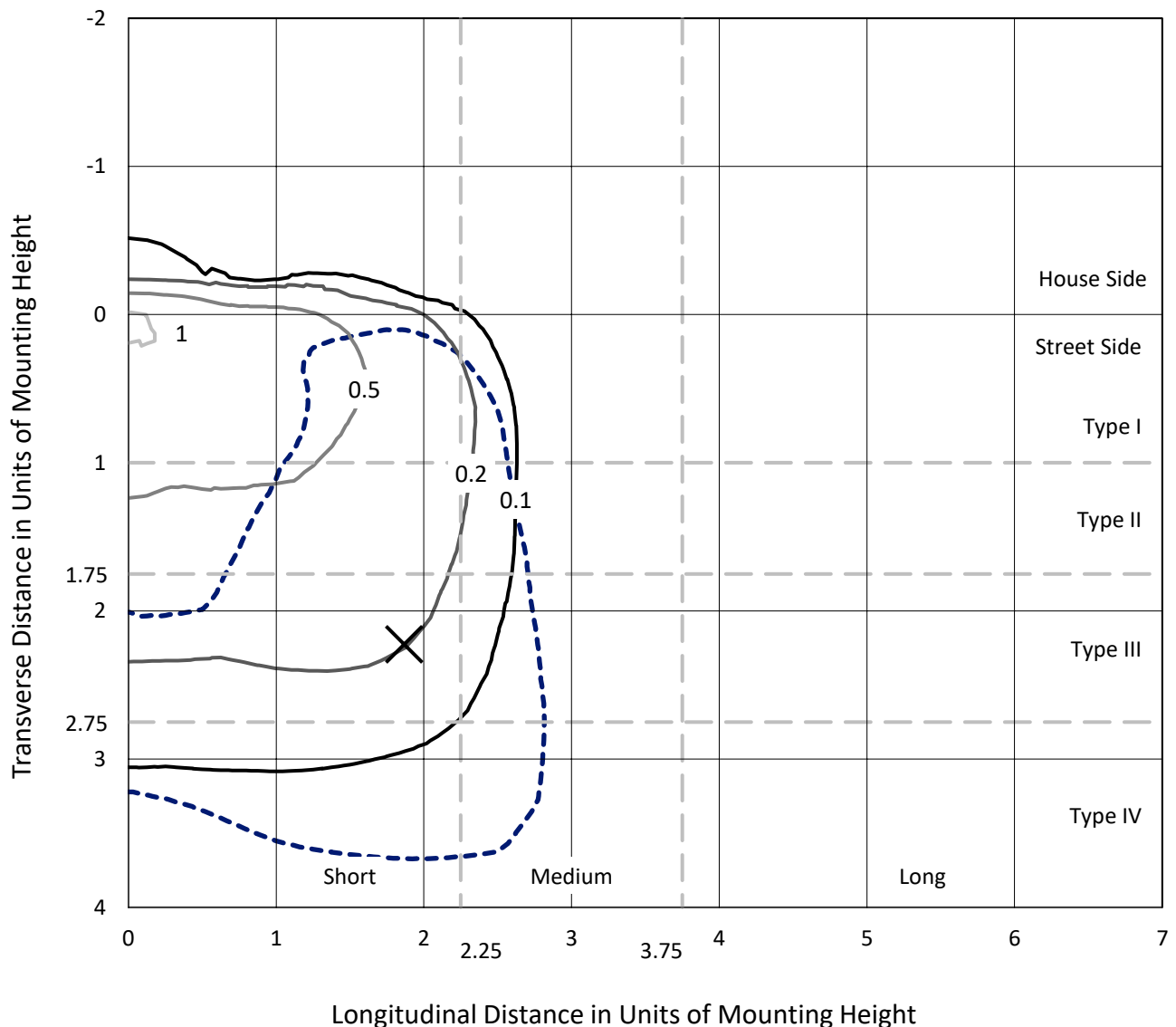
Lumens per Lamp: N/A
Luminaire Lumens: 1463.2 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

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

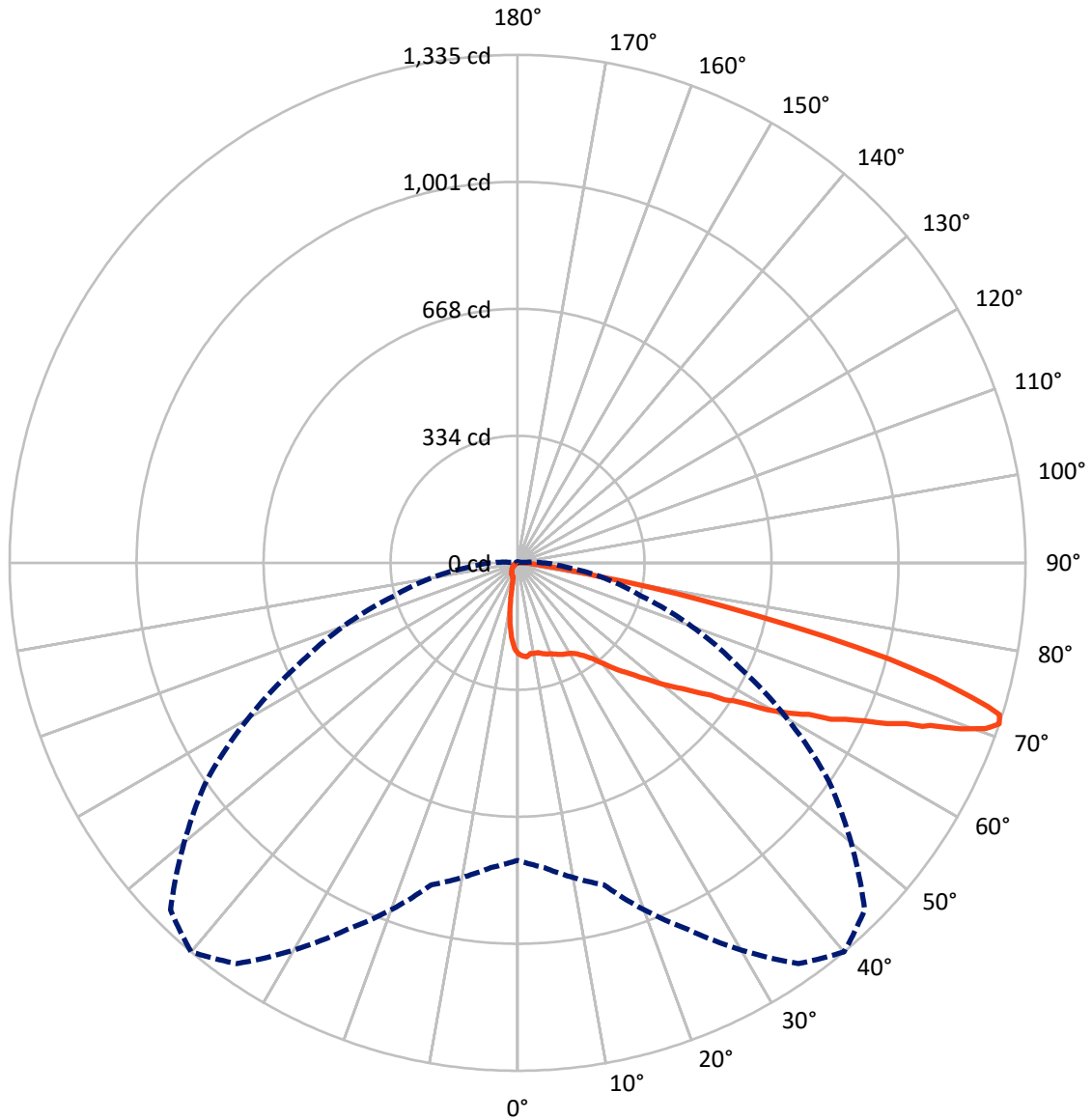
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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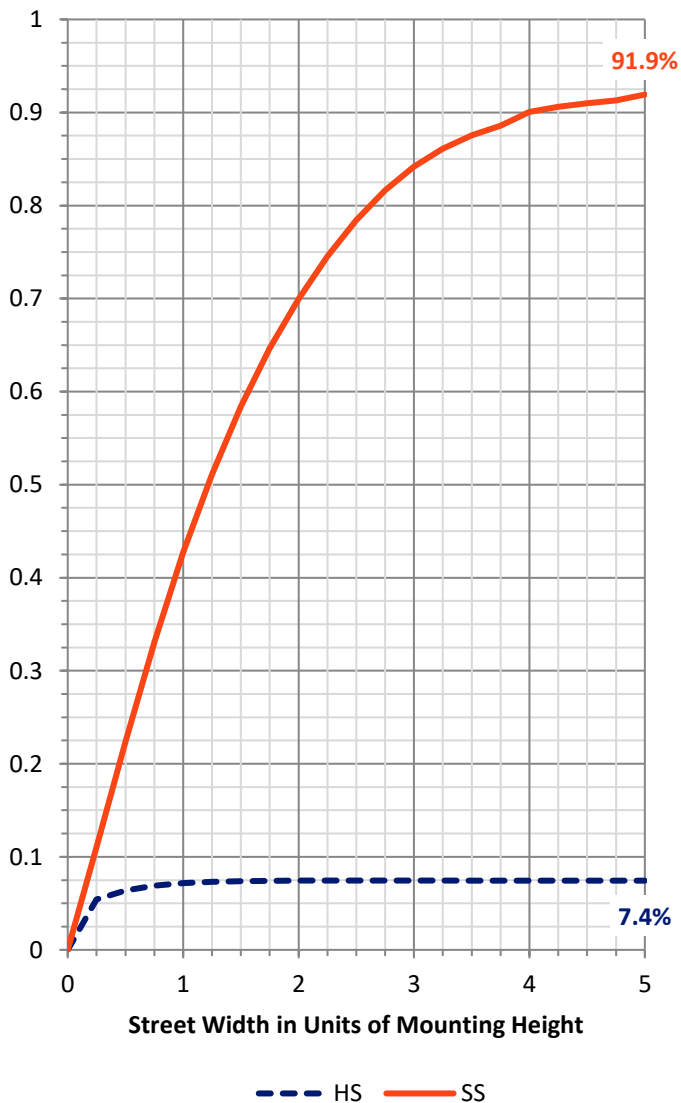
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	109.5	0.0	109.5
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	1353.7	0.0	1353.7
	% Fixture	92.5	0.0	92.5
Total	Lumens	1463.2	0.0	1463.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	1.4
10°-20°	48.3	3.3
20°-30°	76.7	5.2
30°-40°	114.4	7.8
40°-50°	186.0	12.7
50°-60°	299.9	20.5
60°-70°	431.6	29.5
70°-80°	260.0	17.8
80°-90°	26.1	1.8
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°	1463.2	100.0
0°-180°	1463.2	100.0

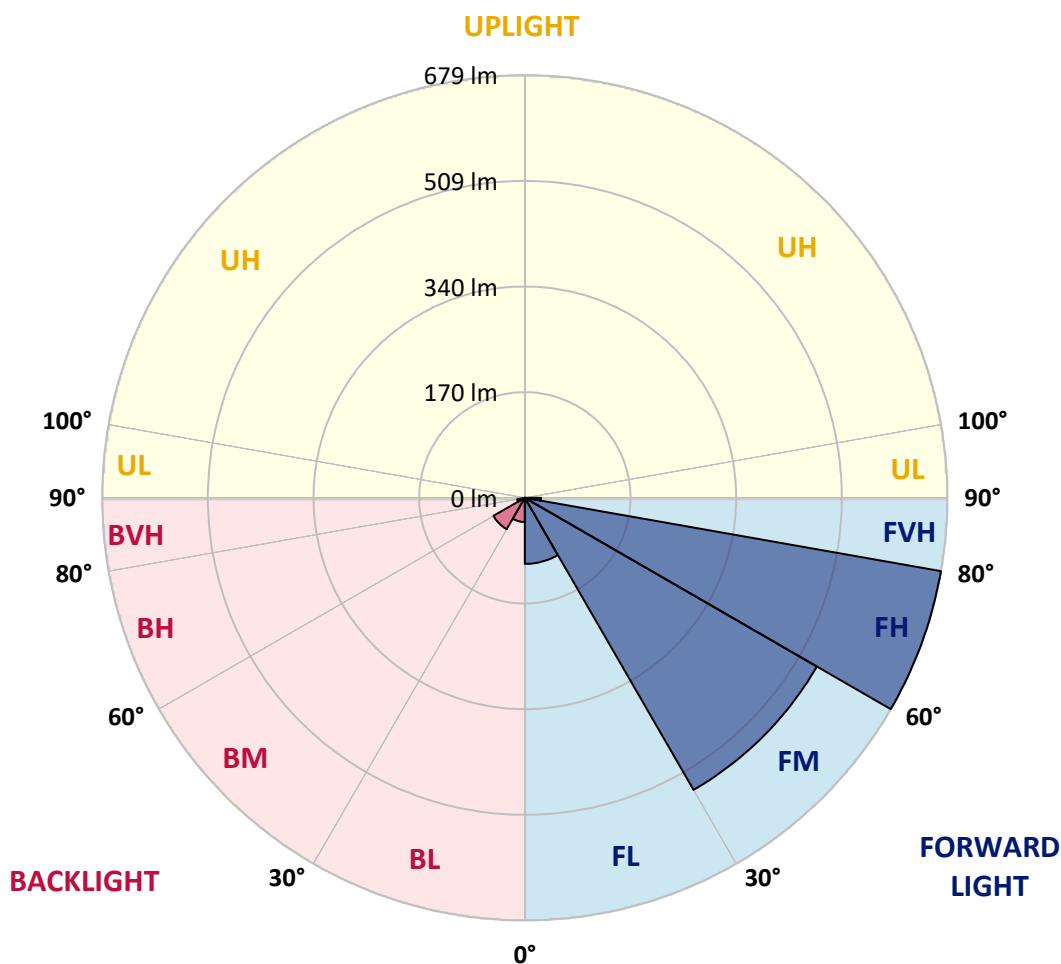


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.2	7.3			
FM (30°-60°)	542.1	37.1			
FH (60°-80°)	679.3	46.4			G1/1800
FVH (80°-90°)	26.0	1.8			G1/100
BL (0°-30°)	38.9	2.7	B0/110		
BM (30°-60°)	58.2	4.0	B0/220		
BH (60°-80°)	12.2	0.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	239	239	239	239	239	239	239	239	239	239	239
2.5°	249	248	252	247	247	245	246	241	243	240	237
5°	248	249	248	247	249	248	246	246	241	239	234
7.5°	242	244	244	243	245	241	245	240	241	236	231
10°	238	239	240	241	240	242	243	240	239	235	229
12.5°	238	238	237	241	245	242	244	239	236	232	226
15°	233	236	238	244	248	248	247	244	240	237	231
17.5°	241	239	243	249	251	252	252	246	243	240	230
20°	246	247	249	256	257	255	258	250	245	241	240
22.5°	254	255	258	264	264	261	262	253	245	243	242
25°	263	263	267	272	272	267	264	255	249	252	248
27.5°	272	273	277	279	273	271	271	258	254	258	259
30°	286	287	291	288	281	276	278	263	258	271	263
32.5°	309	302	299	299	291	285	287	273	274	287	277
35°	325	322	319	314	303	300	302	287	290	307	296
37.5°	344	337	339	334	320	319	318	308	317	339	326
40°	363	358	354	351	347	349	348	334	348	386	363
42.5°	379	372	369	371	378	383	380	374	389	441	410
45°	388	387	383	396	409	416	425	412	441	502	467
47.5°	413	409	400	429	447	457	464	456	500	571	525
50°	437	436	418	464	483	505	518	522	567	654	588
52.5°	474	470	450	493	533	552	581	582	637	738	623
55°	519	509	487	546	592	613	649	662	718	768	645
56°	538	526	508	560	623	653	674	707	754	792	655
57°	562	539	526	583	654	674	708	734	781	807	665
58°	574	559	549	612	684	712	751	771	799	812	673
59°	598	585	564	633	722	761	787	809	816	832	694
60°	614	592	581	659	749	796	825	834	836	854	718
61°	631	612	604	682	792	832	852	861	859	887	733
62°	650	631	622	707	822	863	900	888	888	916	737
63°	655	641	639	731	856	921	929	925	929	953	724
64°	677	671	664	765	900	955	961	961	966	980	705
65°	688	691	696	792	956	1002	1002	1014	996	980	664
66°	713	710	728	845	1014	1059	1073	1069	1025	949	615
67°	744	745	775	884	1062	1105	1134	1120	1025	875	540
67.5°	771	771	788	915	1093	1148	1170	1139	1008	833	482
68°	773	777	809	935	1127	1166	1208	1149	977	785	435
69°	803	815	857	1005	1202	1245	1268	1130	906	666	316
70°	819	815	885	1042	1257	1305	1302	1102	774	511	208
71°	782	804	876	1064	1286	1335	1290	998	637	336	126
72°	748	745	864	1050	1276	1328	1249	884	470	217	80
72.5°	698	701	836	1025	1254	1293	1193	802	390	162	65
73°	636	677	812	1003	1230	1245	1127	700	323	135	48
74°	549	547	742	926	1127	1141	984	549	225	80	32
75°	409	424	636	818	1027	1007	811	390	141	48	22



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
77.5°	224	221	294	472	624	565	403	170	58	21	11
80°	149	150	173	230	269	214	163	106	36	11	7
82.5°	65	68	100	117	114	90	82	98	21	7	6
85°	20	21	54	72	67	40	39	100	6	4	4
87.5°	15	15	18	39	37	22	33	43	1	1	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°	239	239	239	239	239	239	239	239	239	239	239
2.5°	237	235	231	231	230	227	223	221	219	220	218
5°	232	229	225	219	211	203	191	185	182	178	173
7.5°	229	224	219	205	188	170	152	140	129	122	122
10°	225	222	209	188	159	132	107	85	70	66	65
12.5°	222	218	203	169	129	91	61	49	44	43	43
15°	222	217	193	146	96	56	43	40	40	40	39
17.5°	226	219	184	124	64	42	39	39	38	38	38
20°	231	218	175	101	46	38	37	37	37	37	36
22.5°	235	221	164	72	39	37	36	36	36	35	36
25°	239	220	147	52	36	35	34	34	34	34	33
27.5°	242	218	131	40	34	34	33	32	32	32	32
30°	248	219	112	35	33	32	31	31	31	31	30
32.5°	254	218	88	33	31	29	29	29	29	29	29
35°	265	221	63	31	29	27	27	27	27	27	27
37.5°	287	230	48	29	27	25	25	25	25	24	25
40°	316	238	37	27	25	24	23	23	23	22	22
42.5°	348	256	31	25	23	22	21	21	20	19	19
45°	388	268	28	23	21	20	20	19	17	16	17
47.5°	432	284	25	21	19	18	18	16	15	14	13
50°	473	296	23	19	18	17	16	14	12	11	11
52.5°	496	287	21	18	16	15	14	11	9	8	8
55°	504	268	19	16	14	13	11	9	7	6	6
56°	516	259	18	15	13	12	11	8	6	5	4
57°	523	251	17	14	13	12	10	7	5	4	4
58°	534	239	16	14	12	11	9	7	4	3	3
59°	546	223	15	13	11	10	8	5	4	3	2
60°	551	203	14	12	11	9	7	5	3	2	1
61°	550	181	13	11	10	9	7	4	2	1	1
62°	544	154	12	10	9	8	6	3	1	0	0
63°	519	127	11	9	8	7	5	2	0	0	0
64°	483	102	10	9	8	6	4	2	0	0	0
65°	441	79	10	8	7	6	4	1	0	0	0
66°	388	62	9	7	6	5	3	0	0	0	0
67°	326	46	8	7	6	4	2	0	0	0	0
67.5°	285	41	7	7	6	4	2	0	0	0	0
68°	247	33	7	6	5	3	1	0	0	0	0
69°	174	23	6	5	5	3	1	0	0	0	0
70°	108	17	6	5	4	2	0	0	0	0	0
71°	66	14	5	4	3	2	0	0	0	0	0
72°	38	11	4	4	3	1	0	0	0	0	0
72.5°	32	10	4	3	2	1	0	0	0	0	0
73°	25	9	3	3	2	1	0	0	0	0	0
74°	17	7	3	2	1	1	0	0	0	0	0
75°	13	5	2	1	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°	8	4	1	1	0	0	0	0	0	0	0
80°	7	2	1	0	0	0	0	0	0	0	0
82.5°	7	2	0	0	0	0	0	0	0	0	0
85°	6	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)