

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: P678989

Luminaire Tested: **CCW-SA-2-AMB-U-SL2-HSS**

Issue Date: 04/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P678989  
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-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @500mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

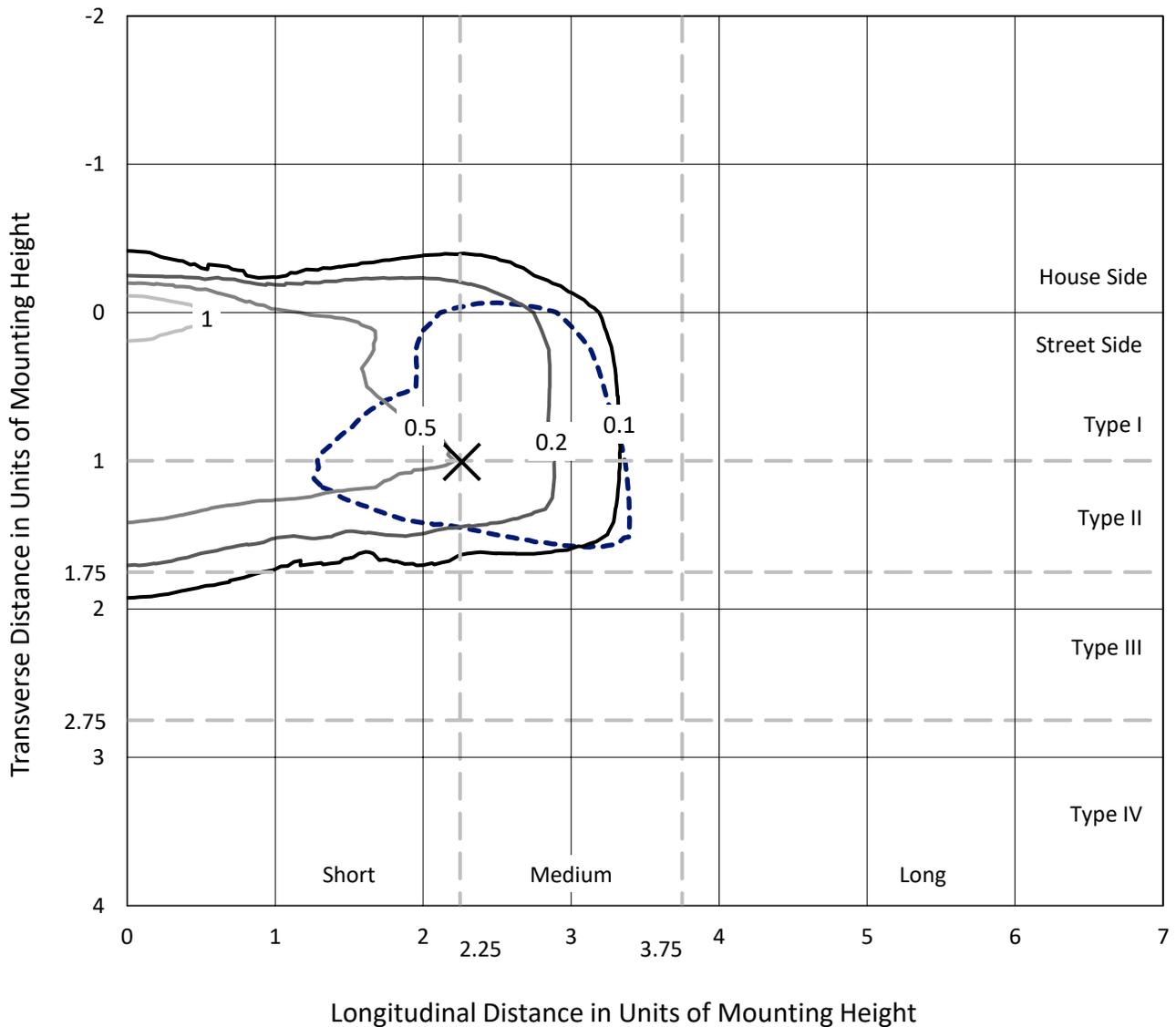
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1408.1 lumens  
Efficiency: N/A  
Efficacy: 35.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
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

REPORT NUMBER: P678989  
 CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

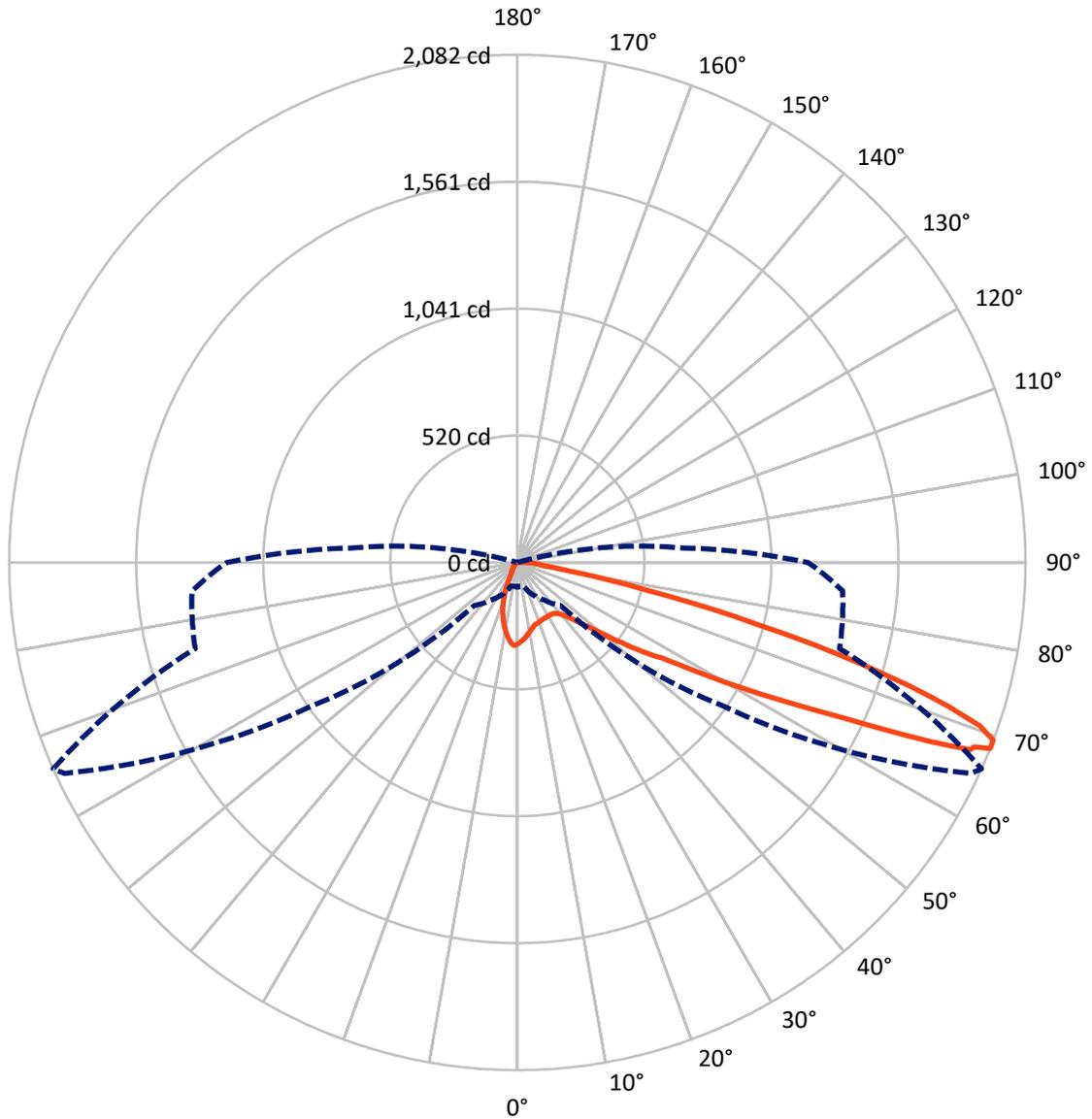
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P678989  
CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P678989  
 CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

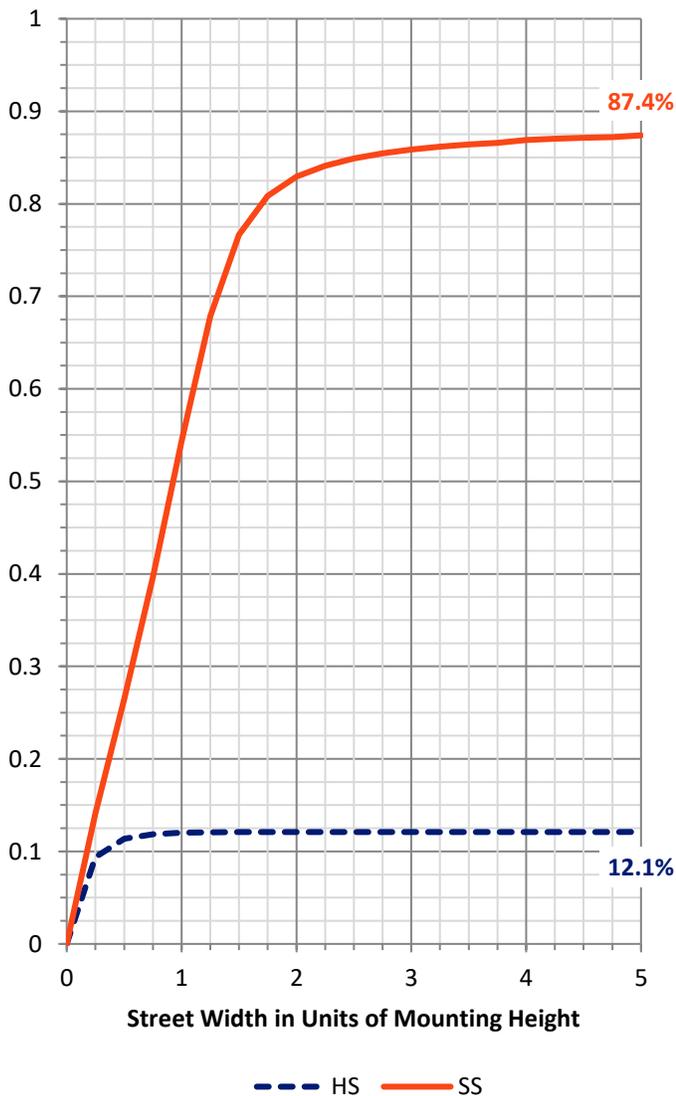
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	172.0	0.0	172.0
	% Fixture	12.2	0.0	12.2
<b>Street Side</b>	Lumens	1236.1	0.0	1236.1
	% Fixture	87.8	0.0	87.8
<b>Total</b>	Lumens	1408.1	0.0	1408.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	1.9
10°-20°	56.8	4.0
20°-30°	78.8	5.6
30°-40°	115.2	8.2
40°-50°	190.6	13.5
50°-60°	322.2	22.9
60°-70°	396.7	28.2
70°-80°	199.9	14.2
80°-90°	20.6	1.5
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°	1408.1	100.0
0°-180°	1408.1	100.0

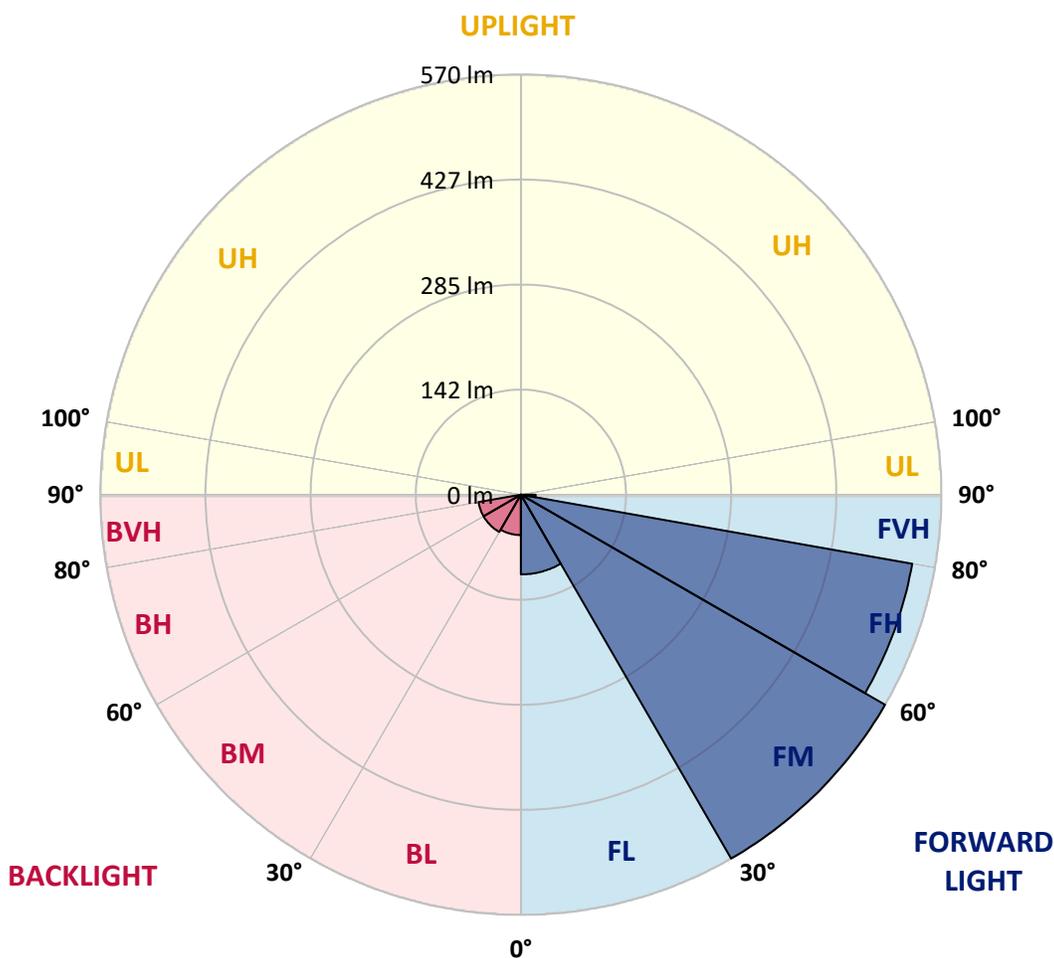


REPORT NUMBER: P678989  
 CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.1	7.7			
FM (30°-60°)	569.6	40.5			
FH (60°-80°)	538.3	38.2			G0/660
FVH (80°-90°)	20.1	1.4			G1/100
BL (0°-30°)	54.8	3.9	B0/110		
BM (30°-60°)	58.4	4.2	B0/220		
BH (60°-80°)	58.3	4.1	B0/110		G0/110
BVH (80°-90°)	0.5	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 II Medium





REPORT NUMBER: P678989  
 CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	334	334	334	334	334	334	334	334	334	334	334
2.5°	307	308	309	313	313	317	318	321	323	326	329
5°	277	282	282	282	290	295	303	314	313	318	328
7.5°	255	258	260	263	269	278	287	296	299	307	322
10°	240	239	241	247	252	261	269	284	287	304	323
12.5°	227	226	228	231	237	248	257	274	276	300	321
15°	215	217	219	221	228	237	247	264	266	291	320
17.5°	215	213	214	216	220	231	242	260	263	290	329
20°	217	218	216	214	218	224	235	258	259	287	330
22.5°	224	226	222	219	215	220	235	254	257	283	331
25°	239	236	236	232	220	219	234	253	254	284	335
27.5°	255	258	251	246	235	223	233	249	254	279	338
30°	280	280	281	274	253	232	236	251	253	276	343
32.5°	318	311	314	300	279	250	240	252	254	275	344
35°	346	342	345	347	316	276	252	256	257	276	344
37.5°	372	373	380	385	352	310	271	263	265	280	345
40°	398	400	414	431	408	351	297	281	281	289	352
42.5°	435	432	456	466	458	402	333	308	307	311	367
45°	467	476	498	525	516	467	387	347	347	338	400
47.5°	553	544	555	584	595	530	442	401	398	384	446
50°	612	616	612	639	669	625	512	474	468	453	502
52.5°	647	637	629	661	746	738	600	561	564	523	575
55°	580	572	577	620	750	879	752	672	671	630	677
56°	536	537	528	587	737	931	837	723	711	670	722
57°	489	481	484	543	712	965	907	792	775	716	767
58°	433	425	423	478	677	973	993	868	849	763	809
59°	364	364	367	410	615	976	1113	944	934	802	848
60°	316	321	307	347	532	949	1228	1051	1027	843	893
61°	287	279	267	297	439	899	1287	1150	1129	899	939
62°	243	242	237	260	345	828	1316	1247	1233	938	991
63°	208	206	208	234	286	746	1357	1367	1348	996	1036
64°	180	178	179	209	251	619	1352	1516	1480	1050	1099
65°	153	154	158	187	219	463	1330	1723	1649	1139	1155
66°	132	132	134	176	202	357	1263	1882	1841	1221	1232
67°	116	114	115	162	191	294	1172	1985	2007	1294	1293
67.5°	111	107	107	155	191	273	1099	2033	2018	1338	1314
68°	102	98	100	145	187	250	1024	2047	2082	1367	1338
69°	88	86	87	132	182	214	848	2054	2081	1412	1326
70°	74	73	77	117	173	201	660	1976	2010	1408	1301
71°	60	59	65	103	169	194	498	1853	1865	1364	1230
72°	47	47	55	91	166	188	366	1636	1686	1301	1098
72.5°	42	42	50	84	163	185	321	1556	1576	1225	1028
73°	36	37	45	79	160	183	274	1428	1477	1156	942
74°	27	27	34	66	152	179	223	1232	1261	1012	747
75°	22	21	25	55	140	173	193	990	1013	791	590



REPORT NUMBER: P678989  
CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
77.5°	13	13	15	27	93	166	161	497	525	337	179
80°	8	8	10	16	45	167	144	215	212	82	49
82.5°	4	4	6	12	22	126	130	115	109	24	22
85°	2	2	3	8	12	61	114	92	86	11	14
87.5°	1	1	1	4	6	30	68	62	57	4	8
90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P678989  
 CATALOG NUMBER: CCW-SA-2-AMB-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	334	334	334	334	334	334	334	334	334	334	334
2.5°	334	335	340	342	341	338	333	332	327	325	323
5°	335	336	337	331	319	308	296	286	279	273	272
7.5°	333	337	328	308	287	267	243	231	220	211	210
10°	330	334	317	284	248	219	190	165	144	135	137
12.5°	334	338	303	257	211	166	123	91	67	60	62
15°	339	333	287	228	169	107	61	46	42	41	41
17.5°	339	334	270	197	119	58	41	39	37	37	37
20°	347	324	252	164	74	40	36	35	34	33	33
22.5°	345	321	231	126	45	35	32	30	30	29	29
25°	343	310	211	90	35	31	28	26	25	24	24
27.5°	343	305	188	56	31	28	25	22	20	19	19
30°	335	295	164	38	28	25	21	18	16	15	15
32.5°	330	288	138	31	25	21	18	15	13	12	12
35°	324	274	111	28	23	19	15	12	11	10	10
37.5°	320	263	83	25	21	16	13	10	9	9	8
40°	321	256	57	23	19	14	11	9	7	7	7
42.5°	329	252	40	21	16	12	9	7	6	5	5
45°	343	254	31	20	14	10	8	6	5	4	4
47.5°	376	269	29	18	12	9	6	5	4	3	3
50°	416	287	27	16	10	7	5	4	3	2	2
52.5°	477	312	26	14	9	6	4	3	2	1	1
55°	567	359	23	12	7	5	3	2	1	1	1
56°	602	384	22	11	7	5	3	2	1	1	0
57°	645	411	22	11	7	4	3	2	1	1	0
58°	674	431	20	10	6	4	2	1	1	0	0
59°	720	460	19	9	6	4	2	1	0	0	0
60°	763	488	18	8	5	3	2	1	0	0	0
61°	809	513	16	8	5	3	2	1	0	0	0
62°	866	545	15	7	4	2	1	1	0	0	0
63°	926	585	14	6	4	2	1	0	0	0	0
64°	1001	624	13	6	3	2	1	0	0	0	0
65°	1049	655	12	5	3	1	1	0	0	0	0
66°	1115	679	11	5	3	1	1	0	0	0	0
67°	1173	695	10	4	2	1	1	0	0	0	0
67.5°	1189	692	9	4	2	1	1	0	0	0	0
68°	1191	682	9	4	2	1	0	0	0	0	0
69°	1172	645	8	3	1	1	0	0	0	0	0
70°	1124	587	7	3	1	1	0	0	0	0	0
71°	1036	520	7	3	1	0	0	0	0	0	0
72°	916	443	6	2	1	1	0	0	0	0	0
72.5°	846	394	6	2	1	0	0	0	0	0	0
73°	780	344	5	2	1	0	0	0	0	0	0
74°	620	233	5	2	1	0	0	0	0	0	0
75°	453	147	4	1	1	0	0	0	0	0	0



REPORT NUMBER: P678989  
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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	128	32	3	1	0	0	0	0	0	0	0
80°	35	11	2	1	0	0	0	0	0	0	0
82.5°	18	5	1	1	0	0	0	0	0	0	0
85°	13	3	1	1	0	0	0	0	0	0	0
87.5°	7	1	1	1	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)