

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: P681439

Luminaire Tested: **CCP-SA-2-AMB-U-SL3-HSS**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P681439
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-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @500mA w/ SL3 distribution lens and House Side Shield
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

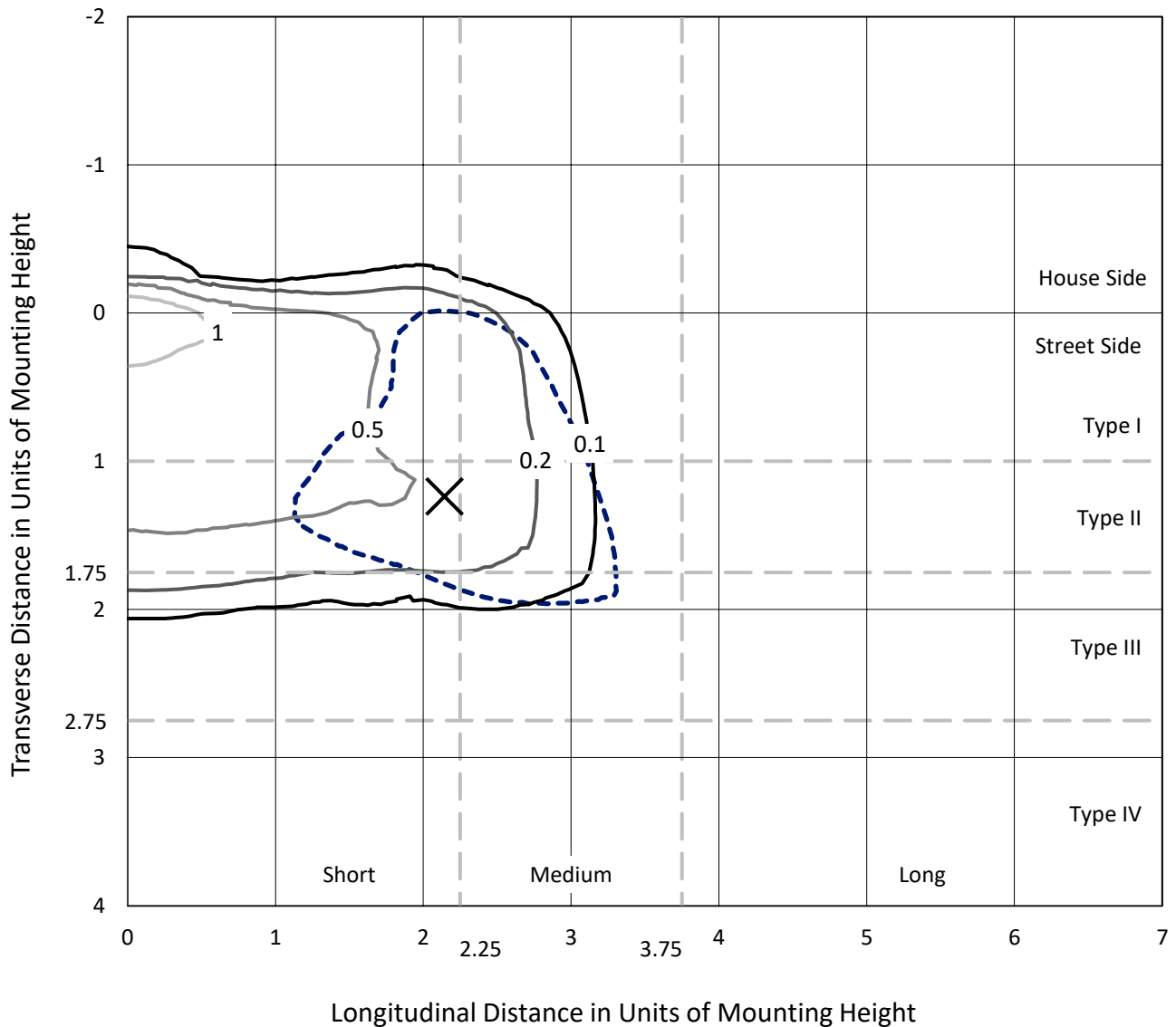
Lumens per Lamp: N/A
Luminaire Lumens: 1479.9 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

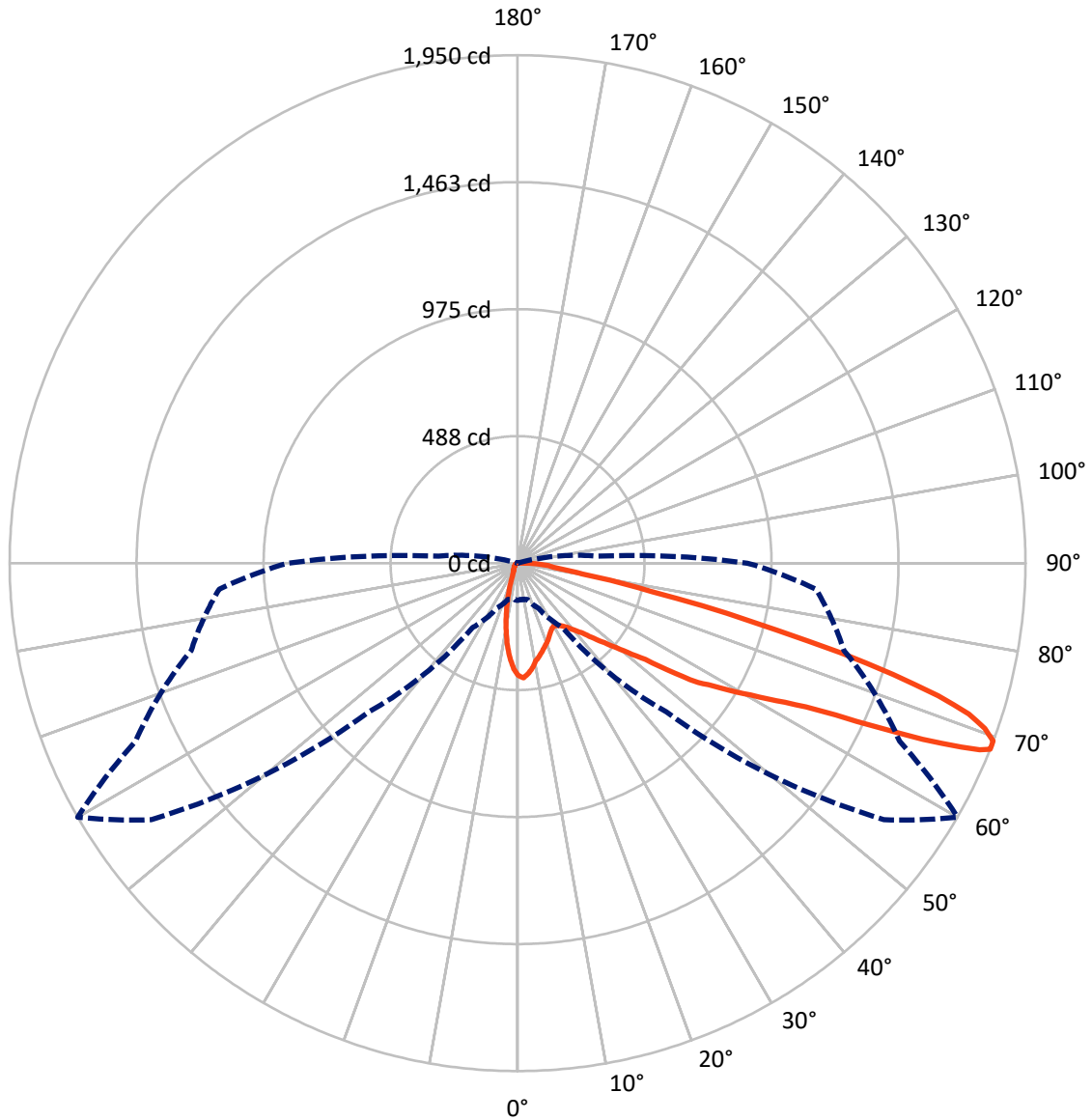
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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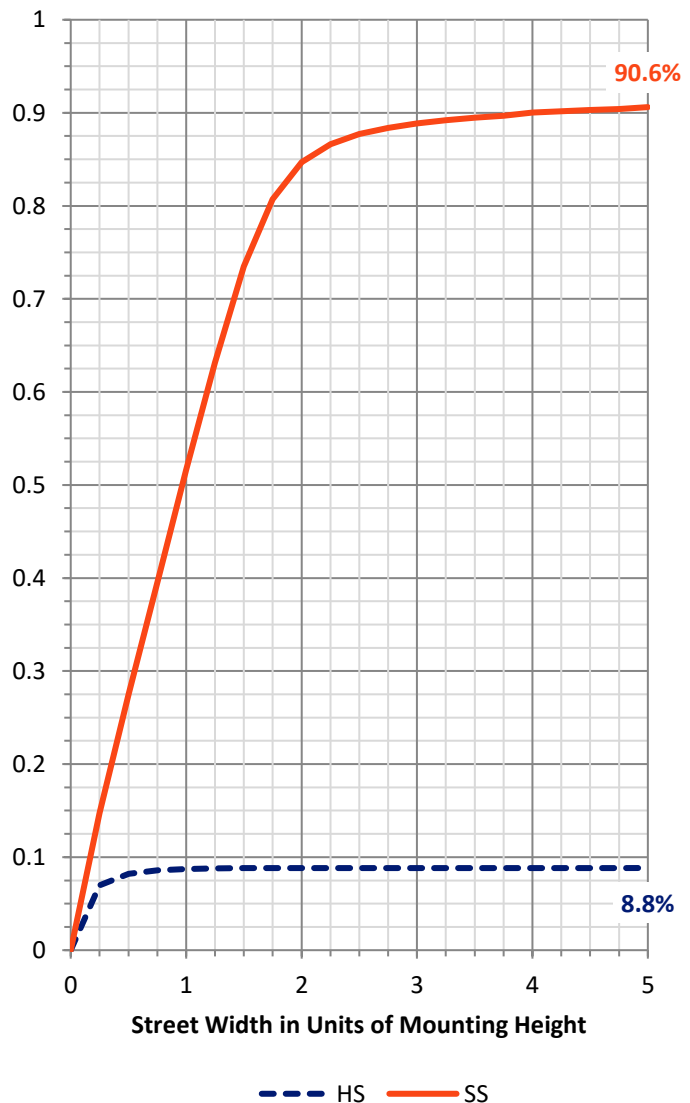
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	131.7	0.0	131.7
	% Fixture	8.9	0.0	8.9
Street Side	Lumens	1348.2	0.0	1348.2
	% Fixture	91.1	0.0	91.1
Total	Lumens	1479.9	0.0	1479.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	2.3
10°-20°	65.2	4.4
20°-30°	84.4	5.7
30°-40°	116.6	7.9
40°-50°	187.6	12.7
50°-60°	335.7	22.7
60°-70°	444.9	30.1
70°-80°	191.1	12.9
80°-90°	20.7	1.4
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°	1479.9	100.0
0°-180°	1479.9	100.0



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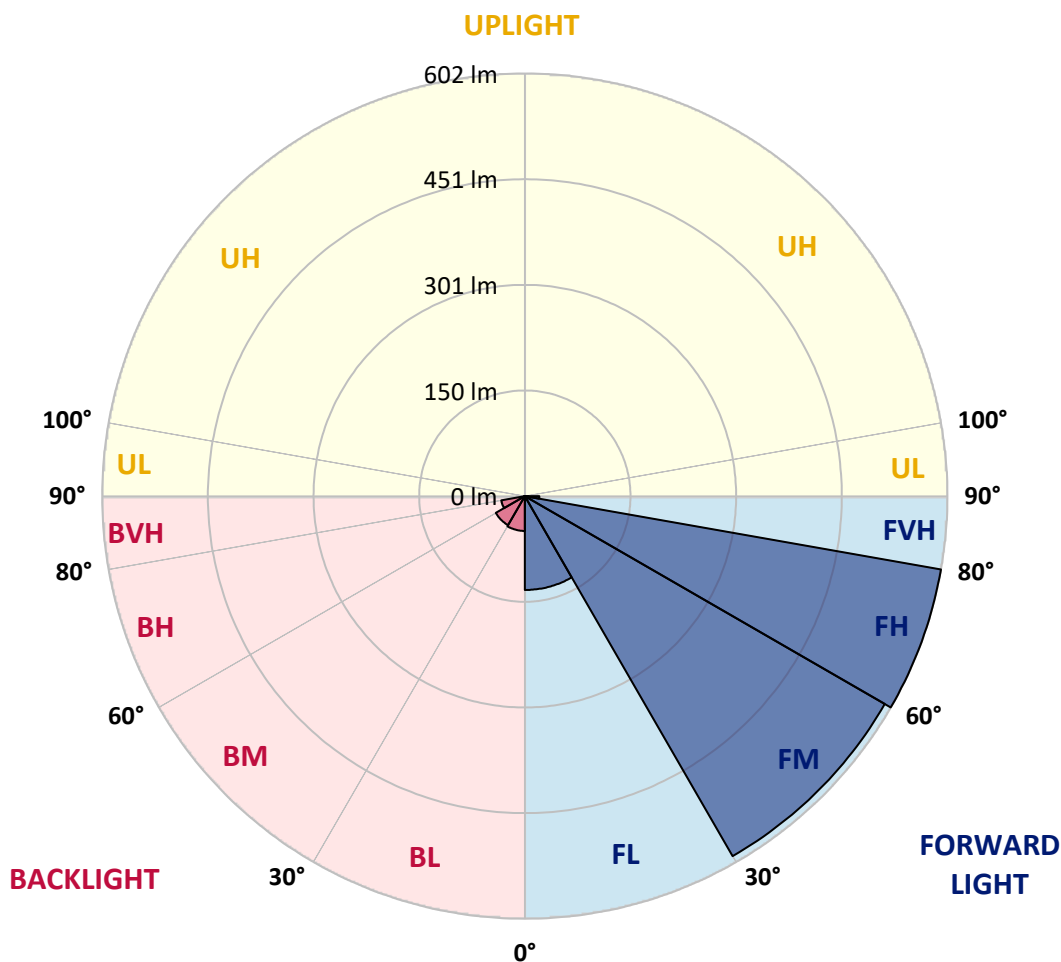
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.7	9.0			
FM (30°-60°)	592.1	40.0			
FH (60°-80°)	601.9	40.7			G0/660
FVH (80°-90°)	20.5	1.4			G1/100
BL (0°-30°)	49.6	3.4	B0/110		
BM (30°-60°)	47.7	3.2	B0/220		
BH (60°-80°)	34.1	2.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	432	432	432	432	432	432	432	432	432	432	432
2.5°	442	440	445	442	446	446	443	441	439	431	429
5°	416	409	414	419	421	423	424	426	428	426	421
7.5°	375	374	377	387	390	394	403	407	411	413	407
10°	339	339	343	348	361	370	378	382	387	401	393
12.5°	313	315	316	320	334	347	360	368	374	384	386
15°	284	285	293	297	309	324	344	352	360	378	377
17.5°	273	271	275	277	288	308	328	337	350	369	368
20°	267	266	266	267	272	286	311	324	339	367	361
22.5°	264	266	266	261	264	270	293	308	325	367	353
25°	270	269	268	261	258	264	281	293	314	362	349
27.5°	275	278	274	270	262	259	269	283	306	366	339
30°	285	287	287	283	270	262	266	277	302	373	342
32.5°	307	303	303	297	288	274	274	286	302	384	341
35°	327	329	322	320	309	289	288	296	312	395	344
37.5°	351	344	348	348	337	313	307	314	323	407	357
40°	373	367	373	376	369	352	334	339	347	433	376
42.5°	391	393	400	412	411	390	367	367	382	462	407
45°	409	409	427	445	456	437	413	412	418	507	458
47.5°	436	439	458	486	511	506	471	463	466	549	509
50°	490	491	510	541	566	583	555	528	528	602	579
52.5°	565	558	583	599	615	661	657	614	602	677	645
55°	633	631	657	682	708	736	806	768	717	753	724
56°	640	651	696	714	750	774	849	831	767	787	758
57°	627	643	699	759	798	826	877	869	813	800	782
58°	619	621	671	759	857	892	931	920	849	826	795
59°	583	596	647	738	900	957	984	976	886	850	840
60°	537	554	612	710	879	1042	1054	1027	932	871	894
61°	479	491	548	664	850	1111	1121	1093	966	924	961
62°	420	430	485	603	812	1145	1220	1157	1015	978	1027
63°	319	325	398	522	771	1123	1331	1237	1081	1033	1130
64°	262	267	300	421	682	1107	1446	1353	1168	1104	1207
65°	233	240	256	316	577	1097	1609	1521	1273	1208	1253
66°	202	201	214	279	455	1040	1677	1697	1412	1285	1249
67°	167	171	182	233	353	935	1705	1844	1544	1306	1210
67.5°	155	152	162	210	323	853	1714	1913	1580	1290	1189
68°	143	140	144	192	303	808	1717	1950	1618	1297	1150
69°	128	127	125	155	244	618	1734	1949	1678	1259	1072
70°	116	116	113	136	198	484	1655	1903	1680	1216	957
71°	100	100	102	123	171	378	1507	1827	1618	1129	827
72°	84	86	91	112	153	308	1308	1694	1466	1017	650
72.5°	79	79	85	107	151	271	1223	1596	1387	913	532
73°	71	72	80	102	147	234	1097	1504	1262	838	451
74°	60	61	71	94	141	181	898	1285	1078	621	285
75°	49	52	62	86	132	157	706	1026	868	443	182



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
77.5°	26	27	38	67	112	130	334	527	388	157	54
80°	15	15	21	45	94	115	177	253	145	35	20
82.5°	8	8	12	26	70	101	143	144	66	15	11
85°	3	3	6	16	40	66	123	115	43	7	7
87.5°	2	2	3	7	16	52	84	74	22	3	4
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°	432	432	432	432	432	432	432	432	432	432	432
2.5°	430	420	413	411	402	393	394	382	386	387	376
5°	410	409	391	373	357	344	327	318	311	305	299
7.5°	396	391	363	335	304	272	249	229	208	200	198
10°	382	366	327	288	240	196	155	124	100	91	90
12.5°	366	349	297	239	180	120	81	59	52	50	49
15°	361	331	266	196	120	70	49	43	42	41	41
17.5°	344	314	235	147	74	47	41	39	38	37	38
20°	336	297	203	102	49	40	37	36	36	35	35
22.5°	324	275	172	67	39	36	34	33	33	32	33
25°	312	260	135	46	34	33	31	30	29	29	29
27.5°	300	246	103	37	31	29	28	27	25	25	24
30°	294	229	75	32	28	26	24	22	22	20	20
32.5°	289	219	53	28	25	23	21	19	18	17	16
35°	284	209	40	26	23	21	18	16	14	13	13
37.5°	290	199	32	24	21	18	16	13	12	11	11
40°	303	190	28	22	19	16	13	11	10	9	9
42.5°	324	186	25	20	17	14	11	9	8	7	7
45°	362	188	23	18	15	12	9	8	6	6	6
47.5°	400	193	22	17	13	10	8	6	5	5	4
50°	453	199	20	15	12	9	7	5	4	3	3
52.5°	509	215	19	13	10	7	5	4	3	2	2
55°	571	244	17	12	9	6	4	3	2	1	1
56°	602	256	16	12	8	6	4	2	2	1	1
57°	620	268	15	11	7	5	3	2	1	1	1
58°	654	281	14	10	7	5	3	2	1	0	0
59°	690	313	13	10	6	4	3	2	1	0	0
60°	752	337	13	9	6	4	2	1	0	0	0
61°	797	369	12	8	5	3	2	1	0	0	0
62°	877	402	11	8	5	3	2	1	0	0	0
63°	954	436	10	7	4	3	1	0	0	0	0
64°	1003	439	10	7	4	2	1	0	0	0	0
65°	1016	420	9	6	3	2	1	0	0	0	0
66°	986	380	8	5	3	2	1	0	0	0	0
67°	949	344	7	5	2	1	0	0	0	0	0
67.5°	915	321	7	5	2	1	0	0	0	0	0
68°	882	304	7	4	2	1	0	0	0	0	0
69°	818	253	6	4	2	1	0	0	0	0	0
70°	703	195	6	3	1	1	0	0	0	0	0
71°	592	142	5	3	1	0	0	0	0	0	0
72°	424	94	4	2	1	0	0	0	0	0	0
72.5°	348	77	4	2	1	0	0	0	0	0	0
73°	290	61	4	2	1	0	0	0	0	0	0
74°	180	38	3	1	1	0	0	0	0	0	0
75°	120	25	3	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°	31	10	2	1	0	0	0	0	0	0	0
80°	14	5	1	1	0	0	0	0	0	0	0
82.5°	8	2	1	0	0	0	0	0	0	0	0
85°	6	1	1	0	0	0	0	0	0	0	0
87.5°	4	1	1	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)