

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: P678845

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

Issue Date: 04/26/2023

Test Information

Test Method: LM-79-08
Report Number: P678845
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T2 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1741.1 lumens
Efficiency: N/A
Efficacy: 43.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

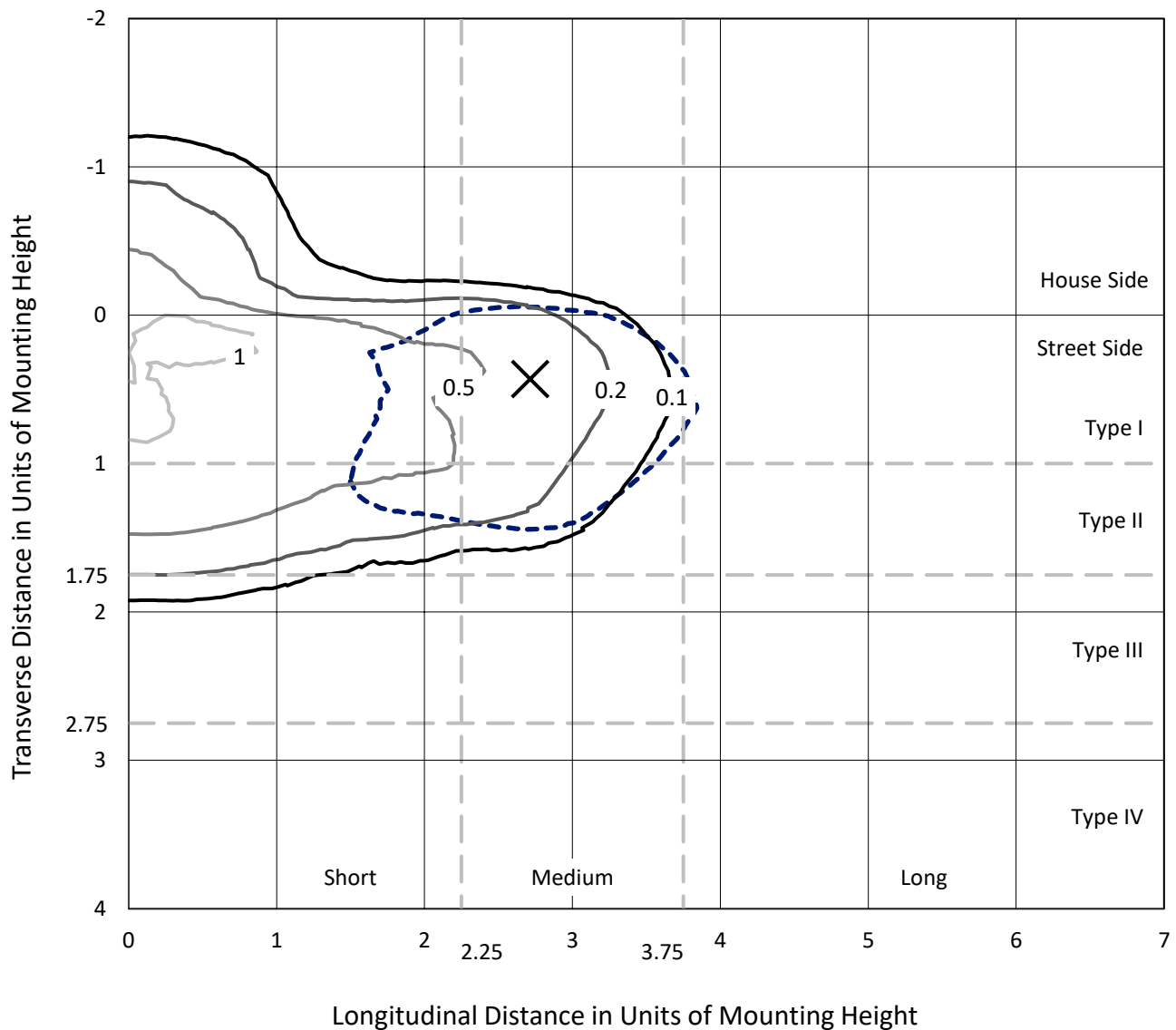
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

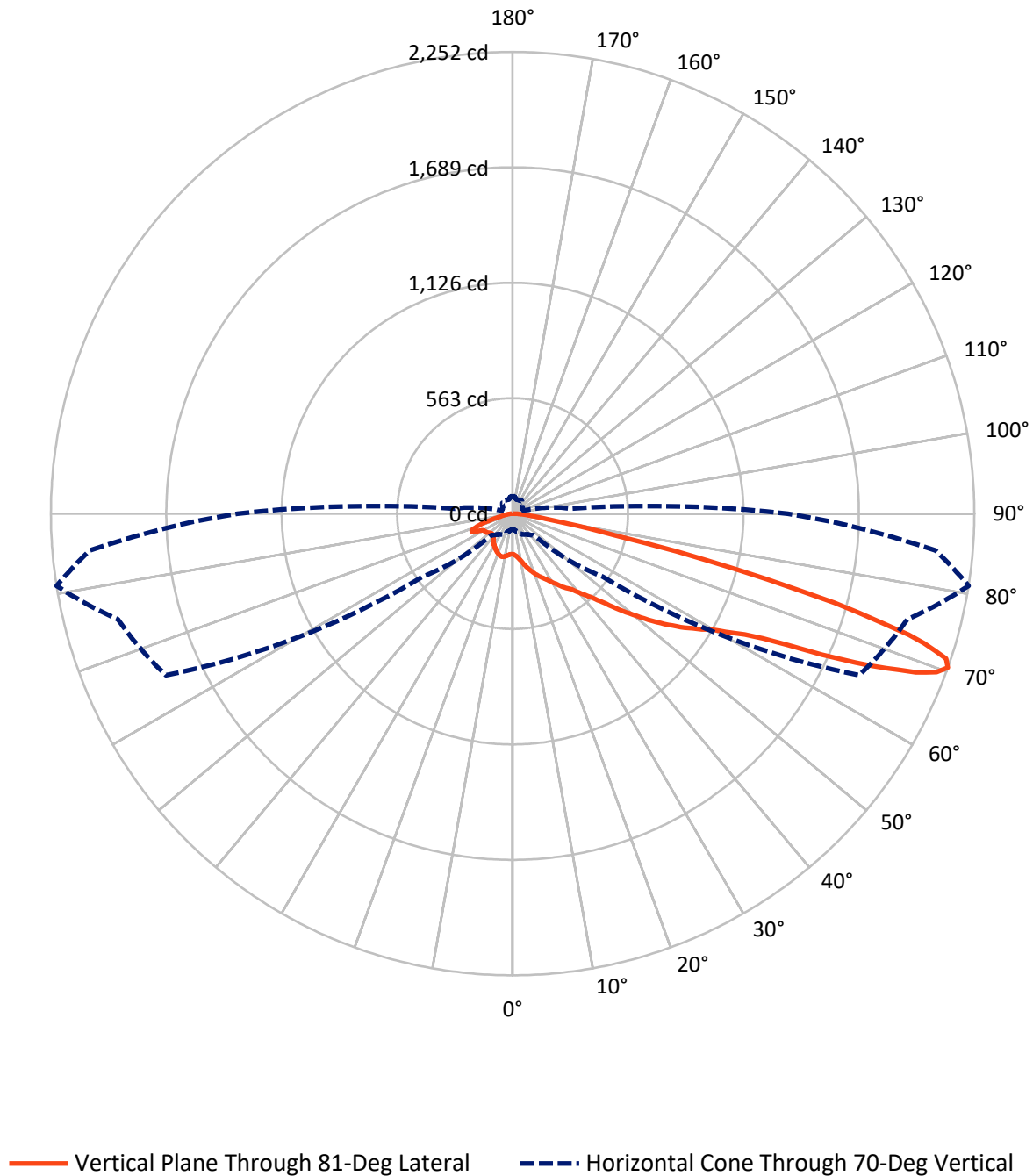
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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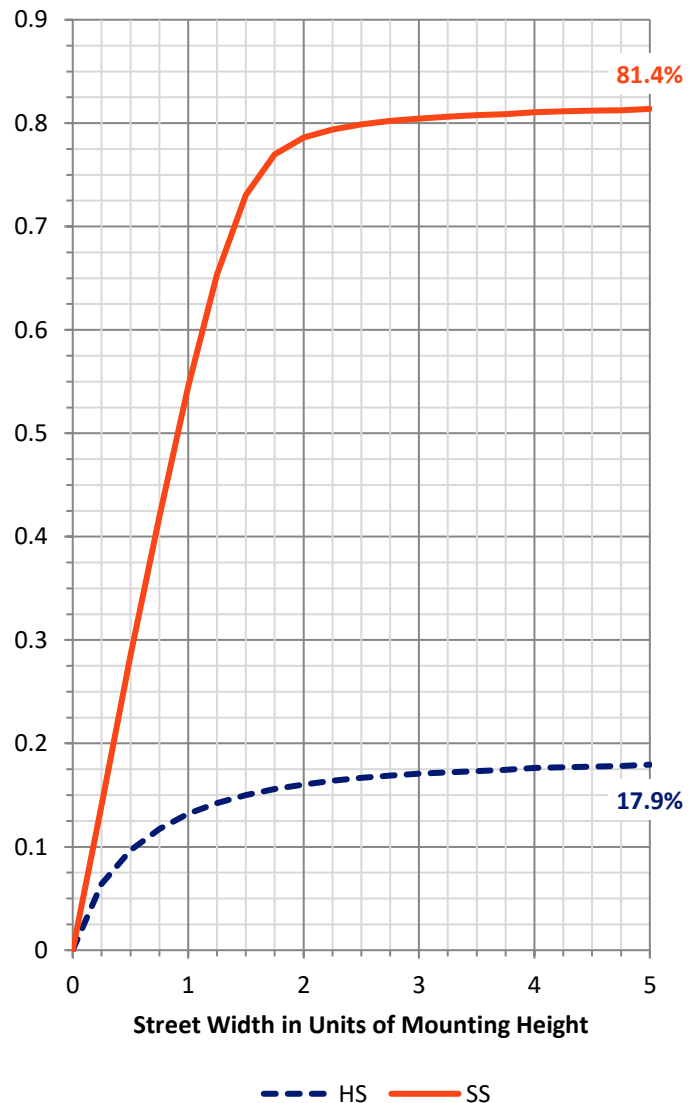
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	320.1	0.0	320.1
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	1421.1	0.0	1421.1
	% Fixture	81.6	0.0	81.6
Total	Lumens	1741.1	0.0	1741.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	1.1
10°-20°	63.3	3.6
20°-30°	109.1	6.3
30°-40°	168.8	9.7
40°-50°	257.8	14.8
50°-60°	383.5	22.0
60°-70°	459.0	26.4
70°-80°	248.2	14.3
80°-90°	31.6	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°	1741.1	100.0
0°-180°	1741.1	100.0

Coefficient of Utilization



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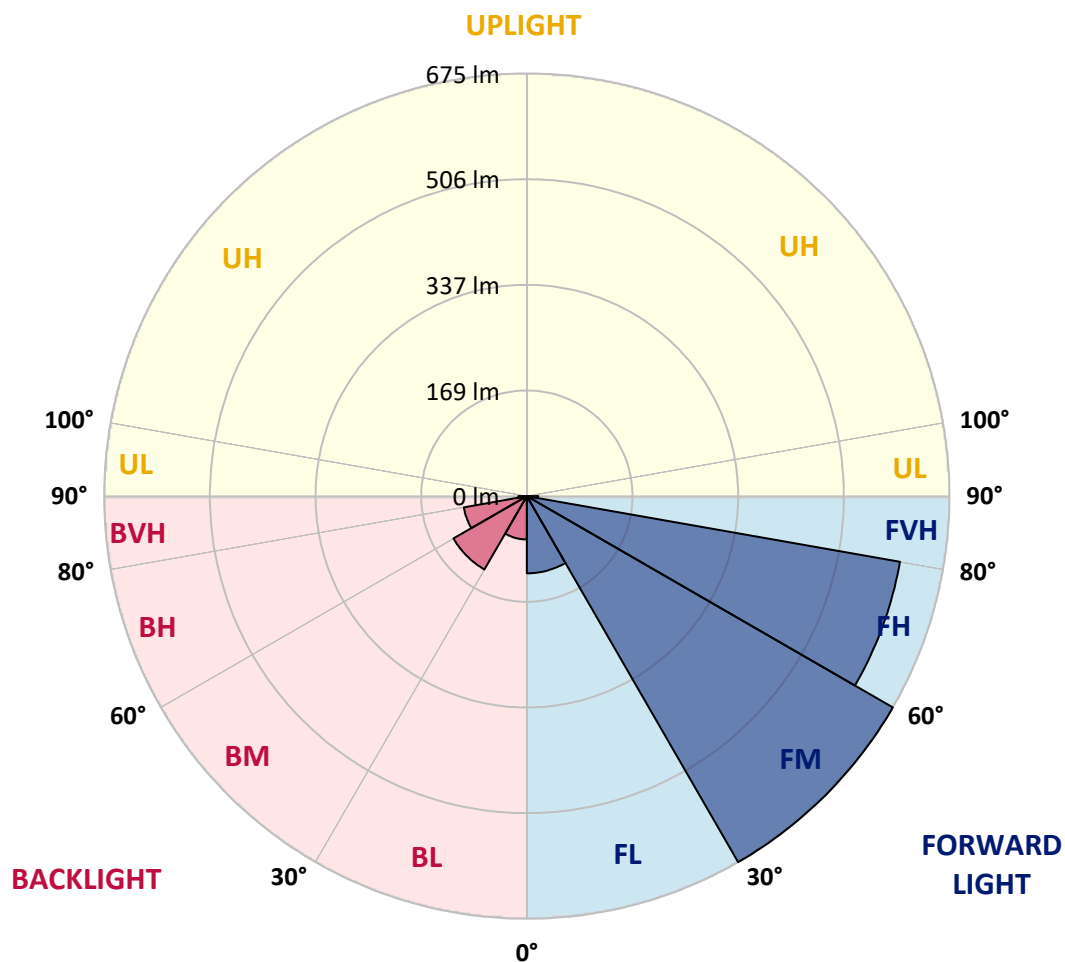
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.2	7.1			
FM	(30°-60°)	674.7	38.8			
FH	(60°-80°)	605.0	34.7			G0/660
FVH	(80°-90°)	18.2	1.0			G1/100
BL	(0°-30°)	69.2	4.0	B0/110		
BM	(30°-60°)	135.3	7.8	B0/220		
BH	(60°-80°)	102.2	5.9	B0/110		G0/110
BVH	(80°-90°)	13.4	0.8			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	198	198	198	198	198	198	198	198	198	198	198
2.5°	215	215	213	214	213	210	208	205	203	202	201
5°	227	227	229	226	230	225	222	219	213	209	208
7.5°	227	230	230	233	236	238	239	234	226	222	221
10°	239	236	240	239	243	246	252	252	242	236	232
12.5°	247	244	246	250	255	259	264	267	265	256	247
15°	246	247	250	256	264	270	279	287	284	275	265
17.5°	249	250	254	259	268	279	294	304	304	295	283
20°	268	264	266	266	273	286	306	319	324	313	297
22.5°	283	279	282	278	281	289	318	335	346	332	315
25°	302	305	307	299	294	295	322	351	367	348	332
27.5°	326	329	330	324	311	310	329	367	385	368	343
30°	353	349	353	345	334	325	340	384	413	391	364
32.5°	379	381	381	377	363	347	350	394	436	417	379
35°	426	425	419	407	392	376	370	407	464	445	398
37.5°	478	483	481	440	422	405	392	424	488	469	426
40°	503	518	511	482	457	436	420	449	525	510	454
42.5°	529	540	533	526	498	477	461	478	566	556	495
45°	544	558	561	558	529	527	501	517	619	616	543
47.5°	591	595	590	588	567	575	548	557	686	698	606
50°	633	643	641	644	620	639	586	618	762	785	670
52.5°	687	683	703	709	690	680	612	690	836	879	762
55°	659	668	710	746	786	749	657	764	906	971	845
56°	637	647	697	739	819	797	684	795	942	1008	877
57°	594	608	659	727	821	843	735	830	962	1042	892
58°	536	552	609	693	806	877	799	873	984	1082	927
59°	471	471	542	640	787	904	897	913	1016	1112	957
60°	388	395	464	576	740	912	984	975	1050	1161	998
61°	300	318	377	484	676	910	1068	1075	1078	1218	1052
62°	247	250	303	387	580	884	1151	1235	1128	1276	1111
63°	200	207	248	316	476	819	1213	1427	1205	1364	1208
64°	161	161	206	249	379	703	1256	1615	1328	1490	1342
65°	136	141	164	208	292	590	1252	1781	1446	1658	1516
66°	122	122	143	175	228	458	1179	1931	1585	1823	1674
67°	108	109	128	149	186	346	1058	2005	1718	1972	1820
67.5°	101	100	119	141	167	299	975	2024	1788	2033	1910
68°	95	96	113	136	154	256	884	2030	1851	2113	1963
69°	85	86	101	123	134	192	701	1987	1972	2208	2046
70°	77	79	91	112	123	149	536	1866	1993	2252	2071
71°	73	71	83	100	112	121	381	1678	1941	2230	2019
72°	66	66	75	92	103	101	276	1432	1816	2104	1885
72.5°	63	63	71	85	98	96	243	1300	1712	2021	1808
73°	60	61	69	82	94	90	197	1156	1612	1887	1717
74°	57	57	63	74	86	80	144	919	1360	1628	1426
75°	53	53	58	68	78	72	111	680	1075	1284	1110



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
77.5°	46	46	48	52	61	53	71	279	491	511	408
80°	39	39	41	40	48	40	49	131	196	188	147
82.5°	37	37	39	33	35	29	30	80	103	93	73
85°	18	16	27	32	25	18	18	41	54	46	35
87.5°	6	6	9	11	17	9	9	16	25	19	12
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°	198	198	198	198	198	198	198	198	198	198	198
2.5°	200	198	198	194	193	192	192	191	190	189	188
5°	204	202	199	196	192	190	188	185	182	183	184
7.5°	214	208	201	193	189	185	181	180	180	179	177
10°	226	216	203	190	184	177	174	175	176	176	173
12.5°	238	225	201	182	174	172	171	172	174	175	175
15°	252	231	196	176	166	167	169	169	172	174	174
17.5°	262	232	186	167	162	162	163	165	170	171	170
20°	271	229	176	159	156	153	155	157	161	164	166
22.5°	277	227	166	151	147	146	143	147	150	152	155
25°	283	220	157	145	137	136	134	136	139	140	139
27.5°	283	212	149	137	129	128	126	127	126	126	128
30°	287	206	142	130	125	125	122	119	117	115	115
32.5°	292	198	136	125	122	122	116	113	110	107	108
35°	291	187	130	121	120	119	115	108	107	104	105
37.5°	290	176	122	117	119	118	111	106	110	109	108
40°	298	166	116	117	117	115	108	104	117	116	119
42.5°	307	163	113	113	115	110	104	101	113	106	106
45°	333	162	109	109	111	107	102	99	103	95	94
47.5°	358	163	109	102	105	105	103	96	94	88	86
50°	400	168	110	97	99	104	99	94	89	87	85
52.5°	450	178	108	92	96	103	99	92	88	87	86
55°	501	194	106	83	90	103	98	91	85	87	86
56°	526	195	103	81	88	103	98	89	86	88	87
57°	547	198	101	78	86	100	98	89	86	88	88
58°	567	203	98	76	84	100	96	89	85	87	87
59°	602	206	94	73	82	99	95	88	85	87	87
60°	631	210	90	71	80	99	94	88	84	88	88
61°	665	218	84	69	77	97	93	87	83	88	89
62°	712	232	80	67	75	94	92	85	82	88	89
63°	798	250	76	66	74	90	91	83	81	88	89
64°	932	278	72	65	72	89	89	81	79	89	90
65°	1057	302	69	63	70	86	88	80	78	90	90
66°	1172	316	65	62	67	83	86	78	77	90	89
67°	1267	319	63	59	65	80	84	77	75	89	88
67.5°	1303	317	62	59	63	78	83	76	75	90	88
68°	1330	320	60	57	62	77	82	76	74	88	87
69°	1369	309	58	56	61	74	79	75	72	88	85
70°	1342	283	56	54	58	71	77	73	71	85	81
71°	1277	257	53	52	56	69	74	71	69	81	76
72°	1181	230	52	50	54	65	72	69	67	76	73
72.5°	1124	215	50	49	53	64	71	68	65	75	71
73°	1061	200	49	48	52	63	70	68	65	73	69
74°	852	162	46	45	50	60	67	65	64	70	67
75°	624	124	43	43	48	58	64	64	60	66	64



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	226	71	37	37	41	52	58	57	54	57	56
80°	91	46	30	31	33	44	50	49	46	48	48
82.5°	52	29	23	24	26	37	44	42	40	41	40
85°	25	16	17	17	19	31	38	34	30	29	28
87.5°	9	8	9	10	11	20	27	23	20	19	20
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)