

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: P678557

Luminaire Tested: **CCW-SA-2-AMB-U-T4W**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P678557
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-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T4FT distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

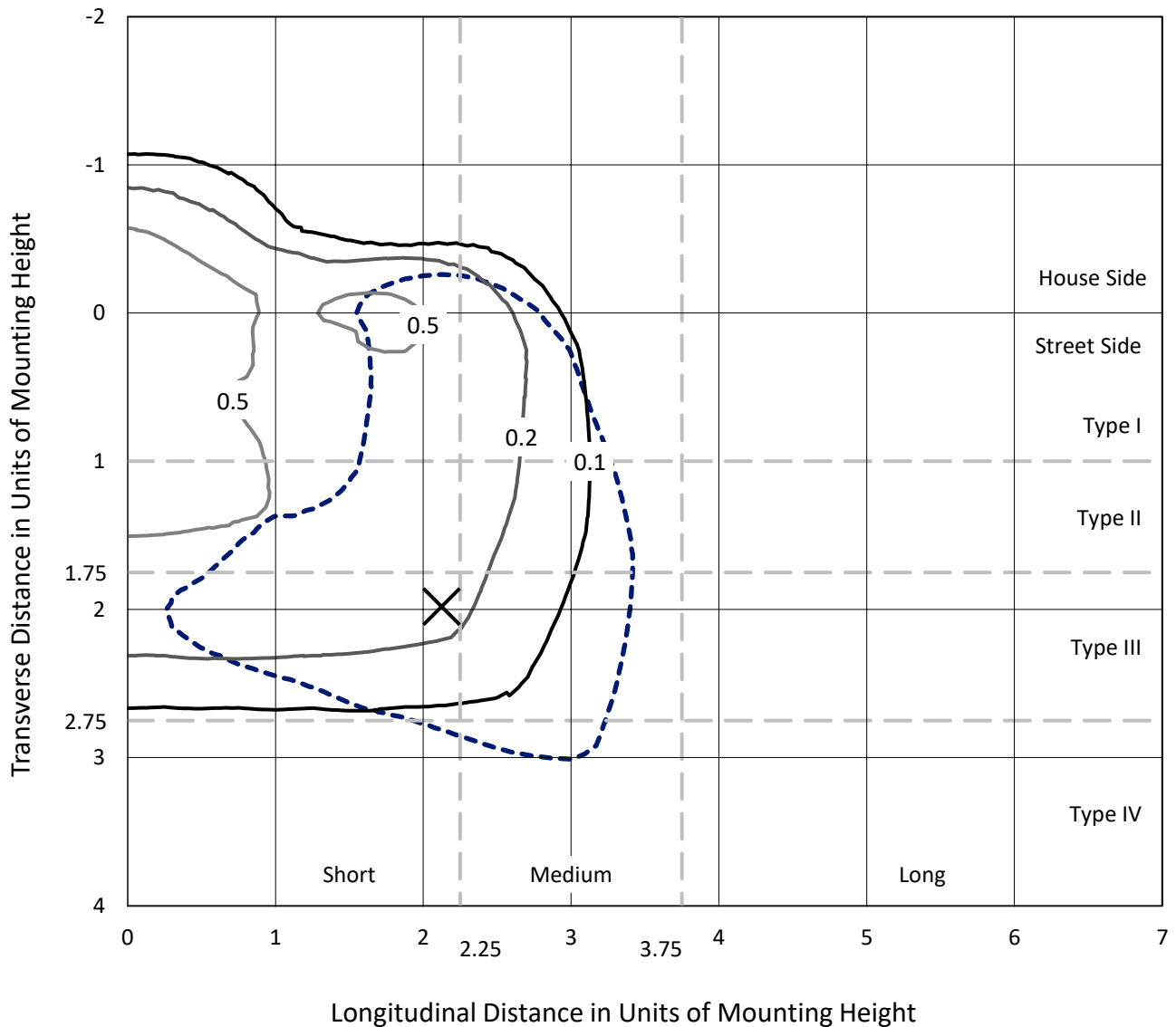
Lumens per Lamp: N/A
Luminaire Lumens: 1804 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

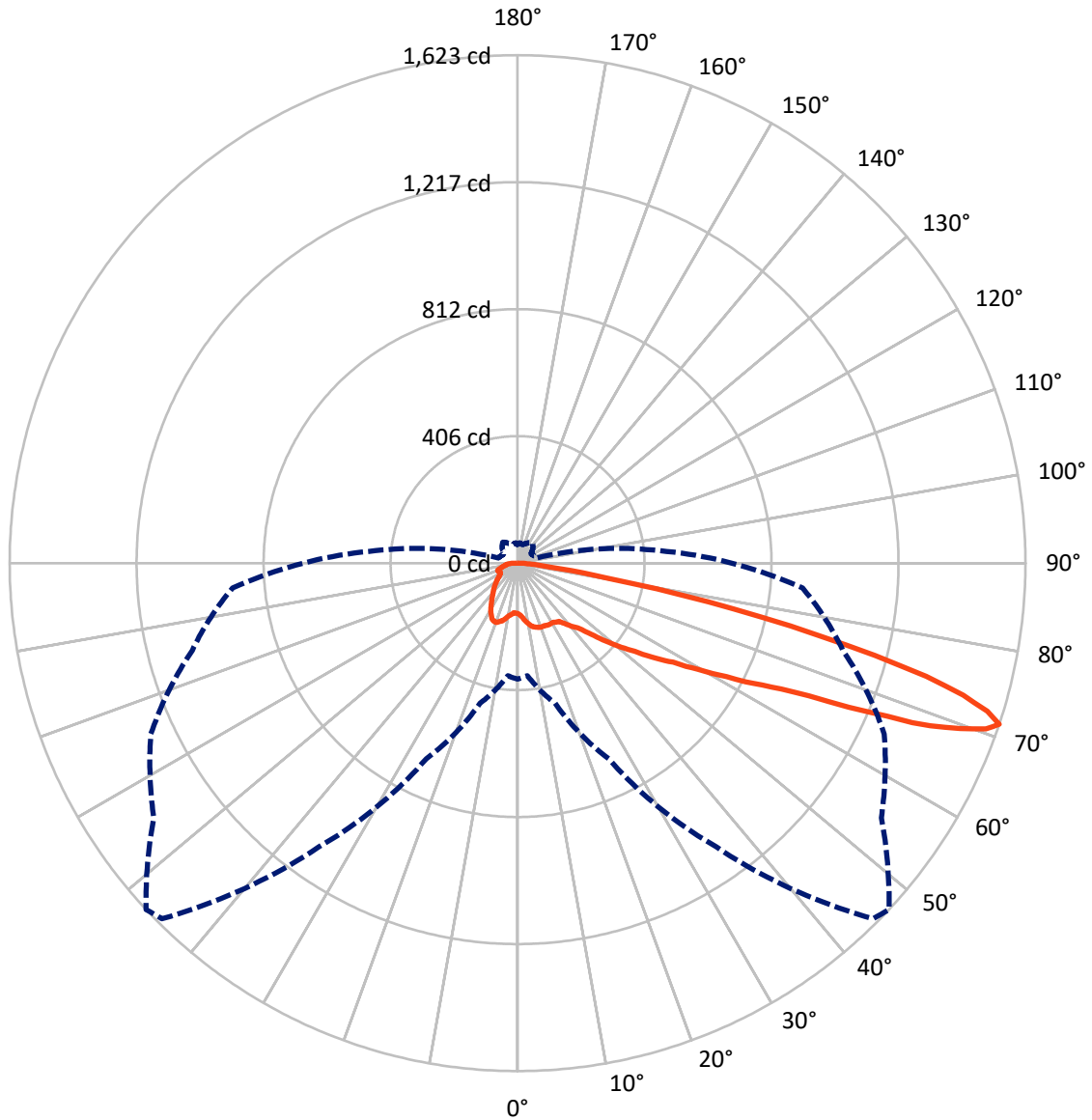
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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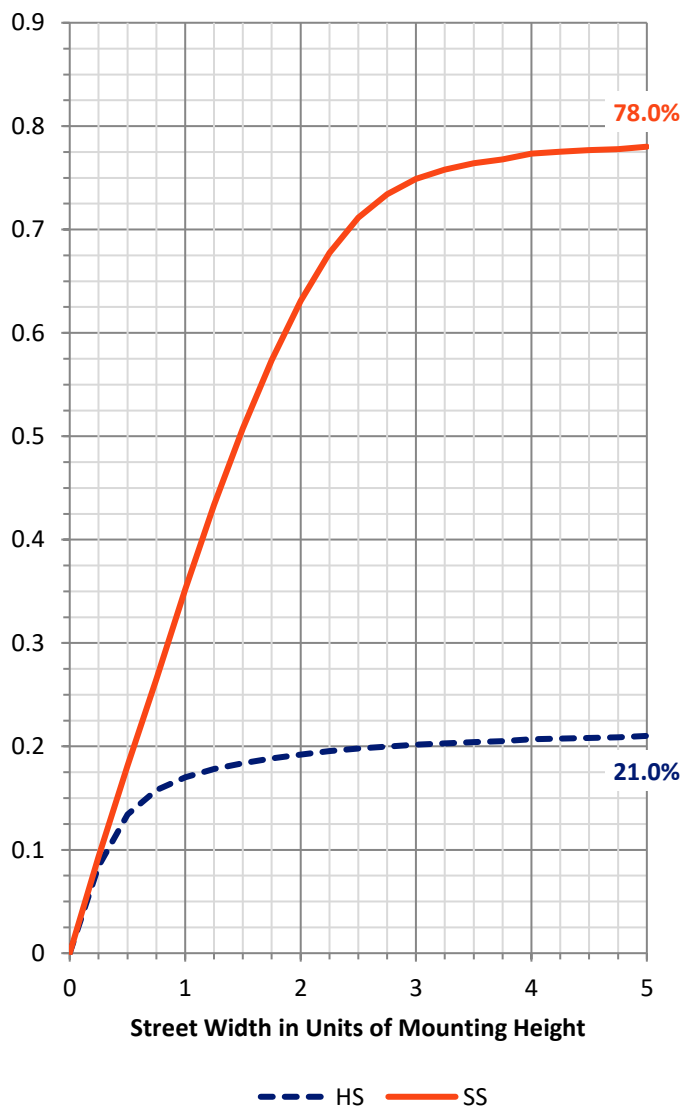
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.3	0.0	390.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	1413.7	0.0	1413.7
	% Fixture	78.4	0.0	78.4
Total	Lumens	1804.0	0.0	1804.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.9
10°-20°	56.7	3.1
20°-30°	94.8	5.3
30°-40°	137.0	7.6
40°-50°	201.9	11.2
50°-60°	337.1	18.7
60°-70°	581.8	32.2
70°-80°	338.2	18.7
80°-90°	39.8	2.2
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°	1804.0	100.0
0°-180°	1804.0	100.0



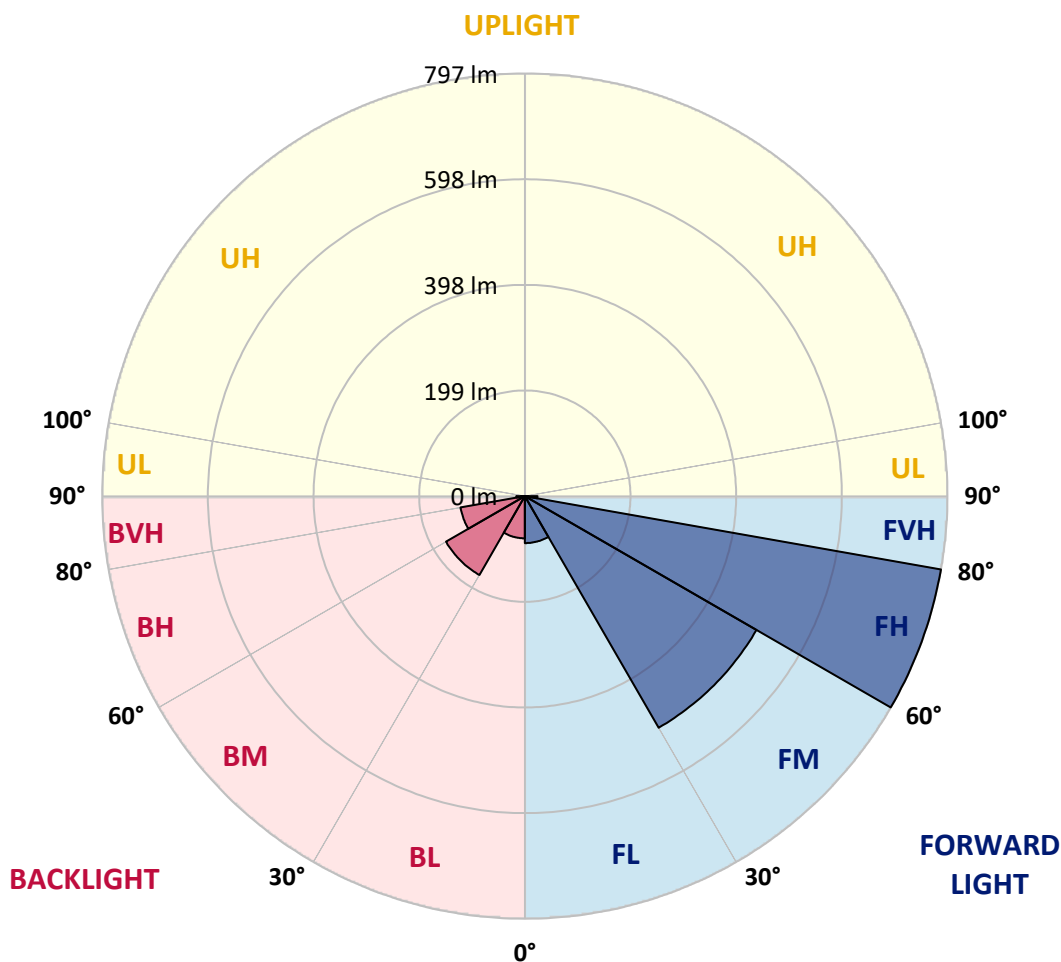
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.6	4.9			
FM (30°-60°)	504.3	28.0			
FH (60°-80°)	796.9	44.2			G1/1800
FVH (80°-90°)	23.9	1.3			G1/100
BL (0°-30°)	79.6	4.4	B0/110		
BM (30°-60°)	171.7	9.5	B0/220		
BH (60°-80°)	123.1	6.8	B1/500		G1/500
BVH (80°-90°)	15.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	161	161	161	161	161	161	161	161	161	161	161
2.5°	173	171	172	170	168	167	166	165	164	164	161
5°	189	188	189	183	182	177	176	172	170	164	162
7.5°	204	204	205	201	194	188	188	183	177	173	168
10°	222	218	217	210	204	198	198	195	188	180	174
12.5°	230	226	222	217	213	208	208	202	197	191	183
15°	229	230	227	219	216	213	212	211	204	197	189
17.5°	227	226	224	219	218	216	216	215	214	207	197
20°	217	216	218	213	215	216	218	219	217	212	201
22.5°	211	210	213	209	213	217	217	222	219	215	207
25°	209	213	211	210	211	219	220	222	222	216	207
27.5°	216	215	215	210	214	221	221	223	220	216	209
30°	245	240	232	218	217	220	220	223	223	220	217
32.5°	298	290	271	244	227	226	225	230	234	234	230
35°	357	353	329	282	243	232	229	235	246	244	234
37.5°	410	409	380	331	277	246	245	247	259	250	235
40°	458	452	429	371	309	274	265	261	265	257	247
42.5°	497	486	472	420	347	292	282	266	279	274	264
45°	518	513	510	463	395	333	317	289	302	299	288
47.5°	525	527	544	508	442	376	366	322	330	333	323
50°	545	548	564	556	502	436	416	355	376	385	373
52.5°	601	604	599	611	578	494	469	407	436	461	446
55°	650	644	641	665	663	559	535	473	531	565	555
56°	656	660	667	691	693	592	564	512	569	606	613
57°	677	672	688	716	730	624	589	540	611	657	688
58°	702	690	705	738	778	656	632	588	669	709	761
59°	720	708	727	782	812	695	667	630	712	766	854
60°	725	734	753	808	831	736	716	680	773	828	938
61°	758	753	780	836	859	782	760	741	825	891	1037
62°	778	779	817	873	900	847	822	806	887	957	1146
63°	786	791	849	913	940	898	873	865	957	1022	1225
64°	790	790	874	955	996	952	934	923	1040	1083	1286
65°	776	777	883	991	1060	1058	1023	1004	1089	1133	1327
66°	740	739	863	998	1140	1138	1154	1105	1175	1178	1333
67°	700	704	828	998	1191	1292	1279	1197	1249	1212	1319
67.5°	673	676	800	983	1211	1358	1360	1235	1264	1215	1278
68°	641	645	765	972	1222	1432	1417	1284	1290	1226	1247
69°	556	556	661	907	1212	1533	1510	1361	1320	1196	1165
70°	461	469	566	806	1203	1575	1587	1418	1315	1157	1047
71°	371	361	463	690	1107	1607	1623	1419	1293	1076	914
72°	279	276	363	576	1011	1554	1574	1387	1229	979	747
72.5°	232	235	298	515	919	1511	1525	1351	1178	910	662
73°	206	199	261	449	859	1456	1485	1294	1109	846	574
74°	131	137	186	333	711	1308	1355	1173	989	714	416
75°	105	106	134	240	545	1170	1178	1017	830	552	300



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
77.5°	51	51	63	111	263	662	706	594	448	262	122
80°	33	33	43	58	124	258	285	257	190	111	59
82.5°	17	18	28	38	74	93	101	107	90	69	36
85°	9	10	16	23	43	45	44	56	60	46	18
87.5°	4	4	7	10	18	14	14	20	33	29	9
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°	161	161	161	161	161	161	161	161	161	161	161
2.5°	160	160	159	160	160	160	160	161	161	160	161
5°	160	161	160	159	160	159	163	165	167	167	167
7.5°	166	165	163	163	165	166	168	169	175	174	174
10°	171	169	167	169	170	171	175	176	183	183	183
12.5°	179	177	175	176	177	181	184	186	189	192	194
15°	184	184	180	183	184	191	192	195	197	198	197
17.5°	193	190	188	190	194	195	198	197	201	201	200
20°	200	196	193	196	201	201	202	201	199	198	202
22.5°	203	201	200	200	201	201	198	195	193	194	197
25°	206	206	205	202	199	196	189	190	188	188	188
27.5°	211	210	209	205	196	182	177	178	178	180	180
30°	218	219	217	202	185	172	161	163	168	171	176
32.5°	227	228	220	200	174	155	147	150	153	156	161
35°	234	235	225	196	161	142	136	133	134	137	141
37.5°	242	250	232	186	147	131	122	117	117	116	120
40°	257	266	240	172	133	120	110	104	103	100	99
42.5°	275	286	241	157	122	112	102	96	91	85	85
45°	297	318	245	141	114	103	93	87	81	75	74
47.5°	336	357	244	118	101	94	86	80	73	69	69
50°	389	404	235	101	91	86	79	72	67	65	65
52.5°	502	471	218	88	80	80	74	69	64	63	63
55°	650	586	198	78	71	73	71	66	61	60	61
56°	714	639	190	74	68	71	71	65	60	59	60
57°	796	694	182	71	66	70	70	64	60	59	59
58°	883	762	172	70	63	68	69	64	59	59	58
59°	972	832	163	68	61	66	68	64	59	60	59
60°	1063	894	152	66	60	65	68	64	60	62	62
61°	1145	941	141	64	58	64	68	64	61	66	68
62°	1225	984	131	63	57	63	68	65	64	73	73
63°	1256	1004	117	63	57	63	69	68	67	76	77
64°	1281	1000	104	62	57	63	71	71	68	75	76
65°	1294	986	91	62	57	65	74	74	68	74	73
66°	1253	943	82	62	56	67	77	74	66	72	70
67°	1197	866	76	60	55	69	81	74	64	70	68
67.5°	1155	837	74	60	55	69	83	73	63	70	67
68°	1106	781	72	60	54	70	84	73	63	69	67
69°	977	679	69	59	53	72	84	73	63	69	66
70°	853	568	67	58	53	71	84	71	62	68	64
71°	685	455	64	57	52	70	82	70	61	65	59
72°	547	329	61	56	51	67	80	68	60	63	56
72.5°	476	284	59	55	49	66	80	68	59	62	55
73°	393	240	58	55	48	63	77	67	59	61	54
74°	288	173	56	53	46	60	74	65	57	58	53
75°	195	121	53	51	44	56	71	63	56	56	53



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	89	66	47	46	38	50	67	59	52	51	50
80°	52	47	39	39	33	42	62	55	47	45	44
82.5°	34	29	31	31	27	39	60	54	44	43	40
85°	15	15	21	22	20	36	57	49	36	31	32
87.5°	7	10	13	13	13	26	40	36	27	22	21
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)