

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: P677693

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

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P677693
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
SL2 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

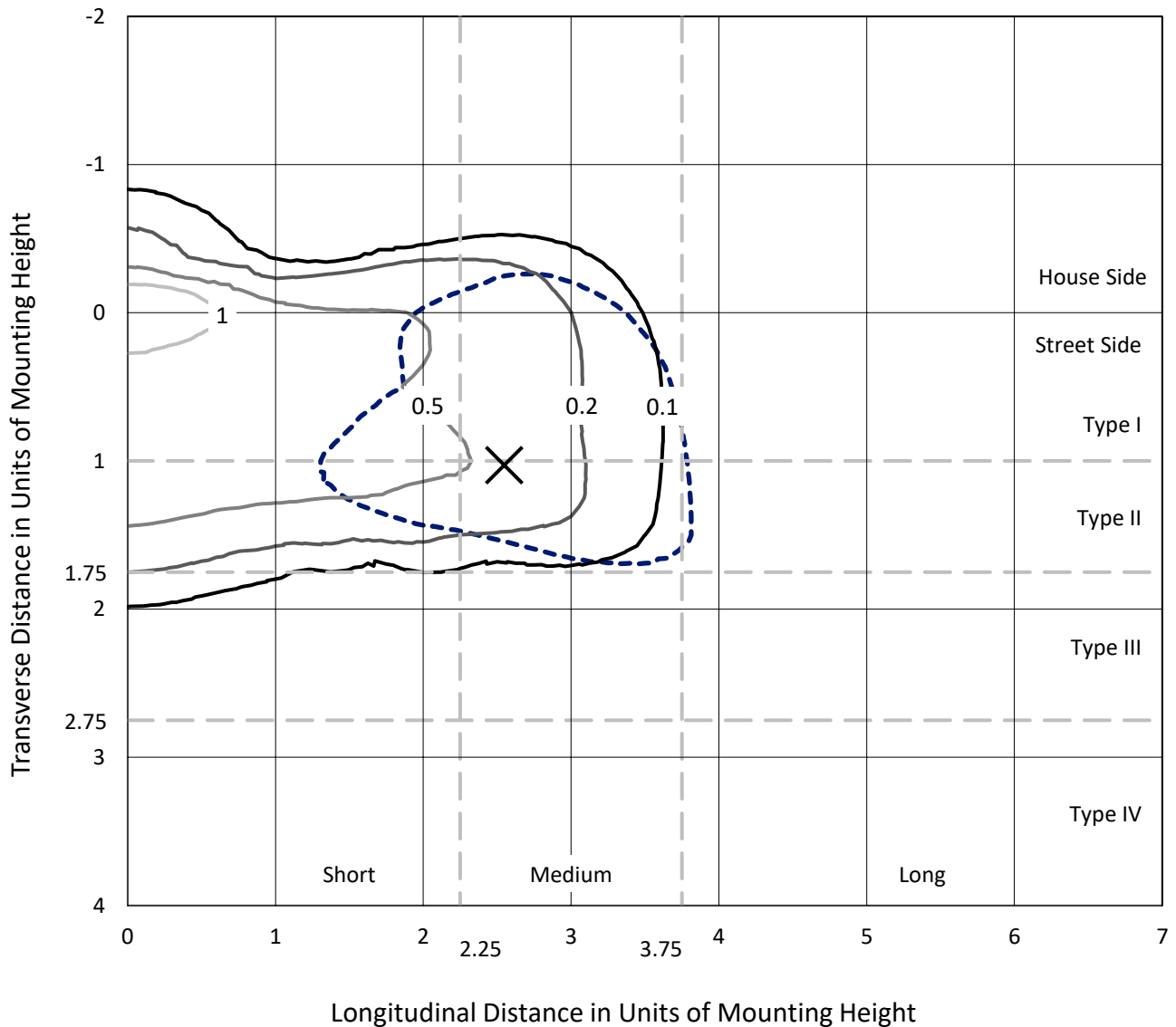
Lumens per Lamp: N/A
Luminaire Lumens: 1797.3 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

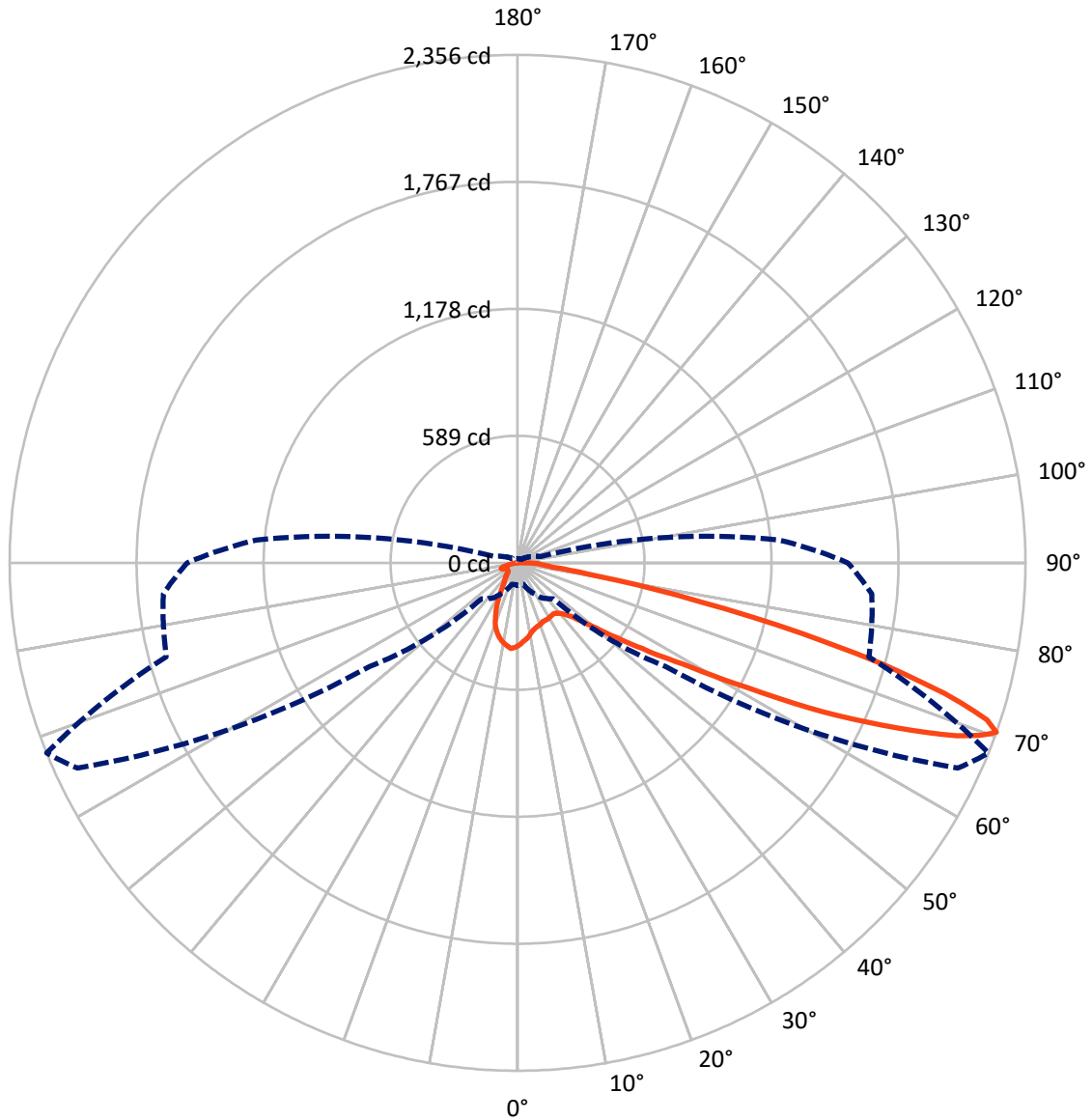
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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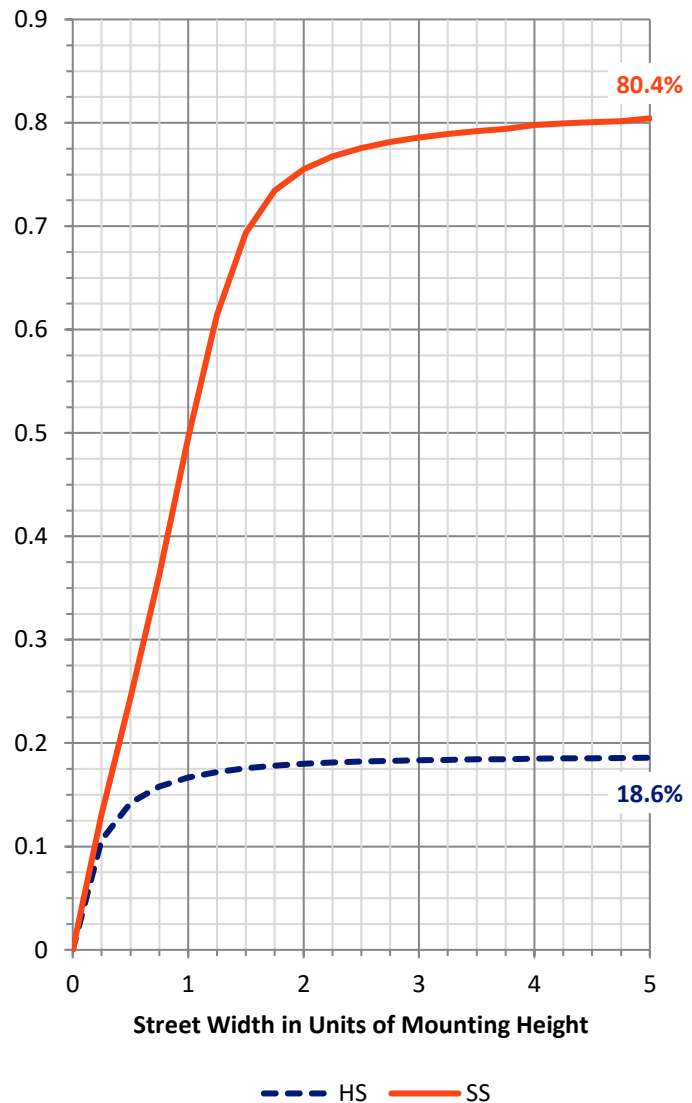
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	337.8	0.0	337.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1459.4	0.0	1459.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	1797.3	0.0	1797.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	1.9
10°-20°	77.0	4.3
20°-30°	102.8	5.7
30°-40°	141.7	7.9
40°-50°	222.3	12.4
50°-60°	365.6	20.3
60°-70°	491.7	27.4
70°-80°	317.3	17.7
80°-90°	45.6	2.5
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°	1797.3	100.0
0°-180°	1797.3	100.0

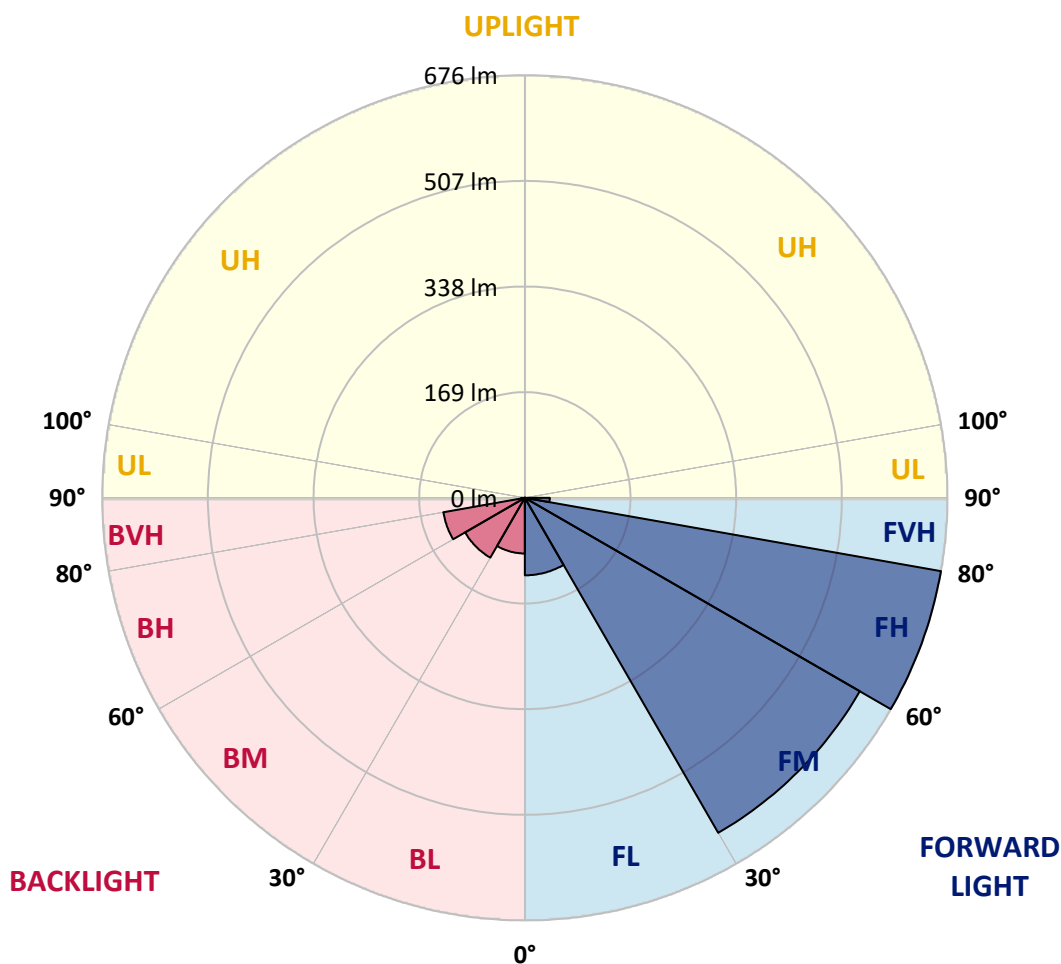


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	6.9			
FM (30°-60°)	619.1	34.4			
FH (60°-80°)	676.4	37.6			G1/1800
FVH (80°-90°)	39.9	2.2			G1/100
BL (0°-30°)	89.1	5.0	B0/110		
BM (30°-60°)	110.5	6.1	B0/220		
BH (60°-80°)	132.6	7.4	B1/500		G1/500
BVH (80°-90°)	5.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	385	385	385	385	385	385	385	385	385	385	385
2.5°	354	355	356	358	360	360	368	369	372	376	382
5°	321	318	327	327	334	342	349	359	360	369	378
7.5°	295	298	300	302	307	317	329	341	350	361	377
10°	277	275	277	281	288	296	307	327	333	352	373
12.5°	256	262	263	268	274	284	298	315	321	346	375
15°	249	252	253	257	261	275	290	305	313	338	378
17.5°	248	247	249	249	257	263	278	299	308	337	385
20°	247	249	247	248	250	258	273	298	304	328	382
22.5°	259	257	257	251	250	253	269	291	297	324	387
25°	272	270	269	260	251	252	265	291	296	322	385
27.5°	293	291	287	277	265	254	262	287	296	320	386
30°	315	316	312	303	283	264	265	285	293	316	385
32.5°	349	347	345	335	309	279	272	283	291	313	389
35°	382	380	385	376	343	302	281	288	289	310	387
37.5°	408	412	420	420	390	338	301	293	296	312	388
40°	448	444	459	467	442	382	329	311	309	321	395
42.5°	482	481	500	513	501	434	369	334	329	337	412
45°	536	535	553	573	562	495	417	370	358	371	440
47.5°	587	595	601	637	637	570	476	425	410	412	485
50°	627	633	644	673	728	678	559	500	479	480	551
52.5°	668	653	656	696	786	804	677	596	578	567	627
55°	612	609	599	652	794	926	857	733	703	670	734
56°	582	570	570	611	784	964	938	799	769	720	787
57°	531	524	515	572	748	1005	1016	863	828	772	845
58°	495	483	475	519	700	1033	1101	945	899	819	908
59°	429	426	419	465	641	1020	1226	1062	991	876	983
60°	383	375	368	411	583	987	1326	1191	1105	947	1054
61°	330	324	315	354	517	936	1430	1330	1216	1020	1134
62°	286	282	274	308	434	877	1485	1468	1359	1100	1206
63°	250	250	244	269	357	808	1521	1613	1505	1182	1296
64°	223	217	221	242	297	717	1511	1750	1646	1267	1374
65°	195	191	192	223	259	618	1463	1917	1780	1344	1426
66°	174	169	172	209	237	477	1402	2078	1920	1420	1482
67°	151	148	152	195	221	365	1312	2202	2057	1491	1541
67.5°	139	138	140	185	216	329	1264	2228	2125	1536	1571
68°	133	131	131	180	213	296	1191	2296	2189	1566	1582
69°	118	116	115	164	205	257	1031	2311	2287	1634	1610
70°	105	102	103	148	199	235	837	2253	2356	1687	1649
71°	90	90	93	133	192	224	652	2164	2297	1704	1630
72°	78	76	80	119	188	219	477	2027	2154	1686	1527
72.5°	71	70	76	111	188	217	397	1950	2071	1634	1485
73°	66	65	70	105	186	217	351	1860	1960	1627	1430
74°	57	56	59	92	182	213	282	1642	1756	1495	1272
75°	50	49	50	78	169	211	246	1370	1494	1321	1082



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
77.5°	38	38	38	49	134	209	212	777	857	719	515
80°	30	30	31	35	78	211	202	370	371	210	136
82.5°	18	19	23	27	45	196	201	194	164	81	61
85°	10	10	15	20	30	151	204	154	115	50	32
87.5°	4	4	7	10	17	83	184	127	89	26	15
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°	385	385	385	385	385	385	385	385	385	385	385
2.5°	384	385	391	394	397	398	393	392	393	394	389
5°	384	387	397	399	391	383	375	367	368	365	358
7.5°	382	395	397	385	374	359	346	337	325	318	318
10°	387	399	391	374	357	332	309	287	269	261	266
12.5°	396	398	385	358	326	293	254	224	207	193	193
15°	397	405	378	339	294	244	199	164	141	135	136
17.5°	399	402	368	316	258	191	143	119	113	111	112
20°	402	395	352	290	209	136	102	94	95	99	99
22.5°	403	388	333	249	157	95	84	82	86	90	92
25°	402	380	309	208	105	78	74	74	78	82	83
27.5°	390	361	285	168	78	69	68	69	72	75	75
30°	388	355	257	124	69	65	64	65	66	68	67
32.5°	377	342	233	86	63	61	61	61	61	62	61
35°	369	332	206	69	60	59	58	57	56	56	55
37.5°	362	316	179	63	57	56	55	54	52	52	52
40°	361	310	149	59	54	53	52	49	48	49	48
42.5°	369	309	121	57	53	50	48	46	47	47	47
45°	390	315	93	55	51	48	46	45	44	44	44
47.5°	426	337	80	52	48	46	43	42	42	42	41
50°	469	358	77	52	47	45	42	40	39	39	39
52.5°	531	389	77	50	46	43	40	37	37	36	36
55°	620	446	78	49	43	41	38	35	34	34	34
56°	668	482	79	48	42	40	36	34	33	32	32
57°	724	521	77	48	42	39	35	33	32	31	32
58°	787	570	77	47	41	37	34	32	31	31	31
59°	846	621	77	46	40	36	33	31	30	29	30
60°	923	696	77	46	39	35	32	30	29	29	29
61°	1007	771	79	46	39	34	31	29	28	28	28
62°	1093	850	84	46	39	33	30	28	27	27	27
63°	1177	927	86	46	38	32	29	27	26	26	26
64°	1240	986	85	47	37	30	28	26	26	25	25
65°	1306	1032	92	48	37	29	27	26	24	25	24
66°	1350	1090	103	50	36	29	26	24	24	24	23
67°	1402	1157	112	53	36	27	24	24	23	23	23
67.5°	1449	1169	118	55	37	27	24	23	23	22	22
68°	1452	1211	116	56	36	26	23	22	22	22	22
69°	1509	1228	117	61	37	25	23	22	21	21	21
70°	1532	1216	112	66	38	24	22	20	20	20	20
71°	1479	1141	109	69	40	23	21	20	19	19	19
72°	1388	1046	105	69	41	22	19	19	18	18	18
72.5°	1303	990	102	69	41	22	19	18	18	18	18
73°	1235	925	99	68	41	21	18	18	17	17	18
74°	1069	793	93	64	39	20	18	17	16	17	16
75°	906	644	85	58	37	19	17	16	16	15	16



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	377	257	59	42	27	16	14	13	13	13	13
80°	113	85	33	27	17	13	12	11	11	11	11
82.5°	57	48	19	15	11	9	9	9	8	8	8
85°	31	25	12	9	7	6	6	5	5	5	5
87.5°	15	13	8	5	4	3	3	3	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)