

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P721947

Luminaire Tested: **IFLD-S-SA2A-AMB-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P721947
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-AMB-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 distribution lens
Light Source: (32) 1620K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

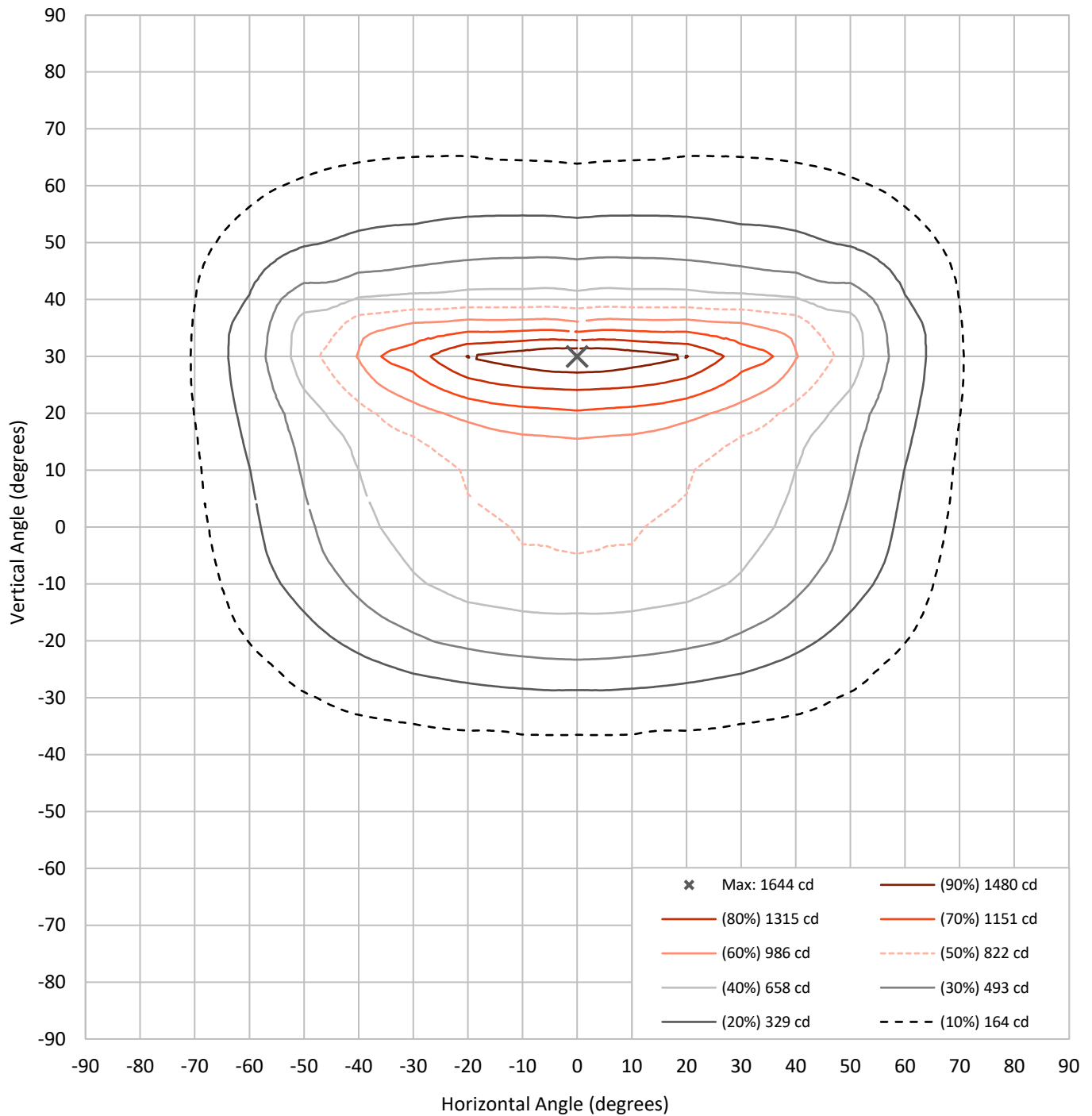
Summary

Lumens per Lamp: N/A	NEMA Type: 7H x 6V
Luminaire Lumens: 2054.3 lumens	Max Intensity: 1644 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 30°V
Efficacy: 32.2 lumens/watt	
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')	
Beam Angle (50%): 94.2°H x 43.7°V	Field Angle (10%): 141.5°H x 100.4°V
Beam Lumens: 809.2 lumens	Field Lumens: 1870.1 lumens
Beam Efficiency: 39.4%	Field Efficiency: 91.0%
Input Watts (W): 63.8	
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: 28.75 FT	



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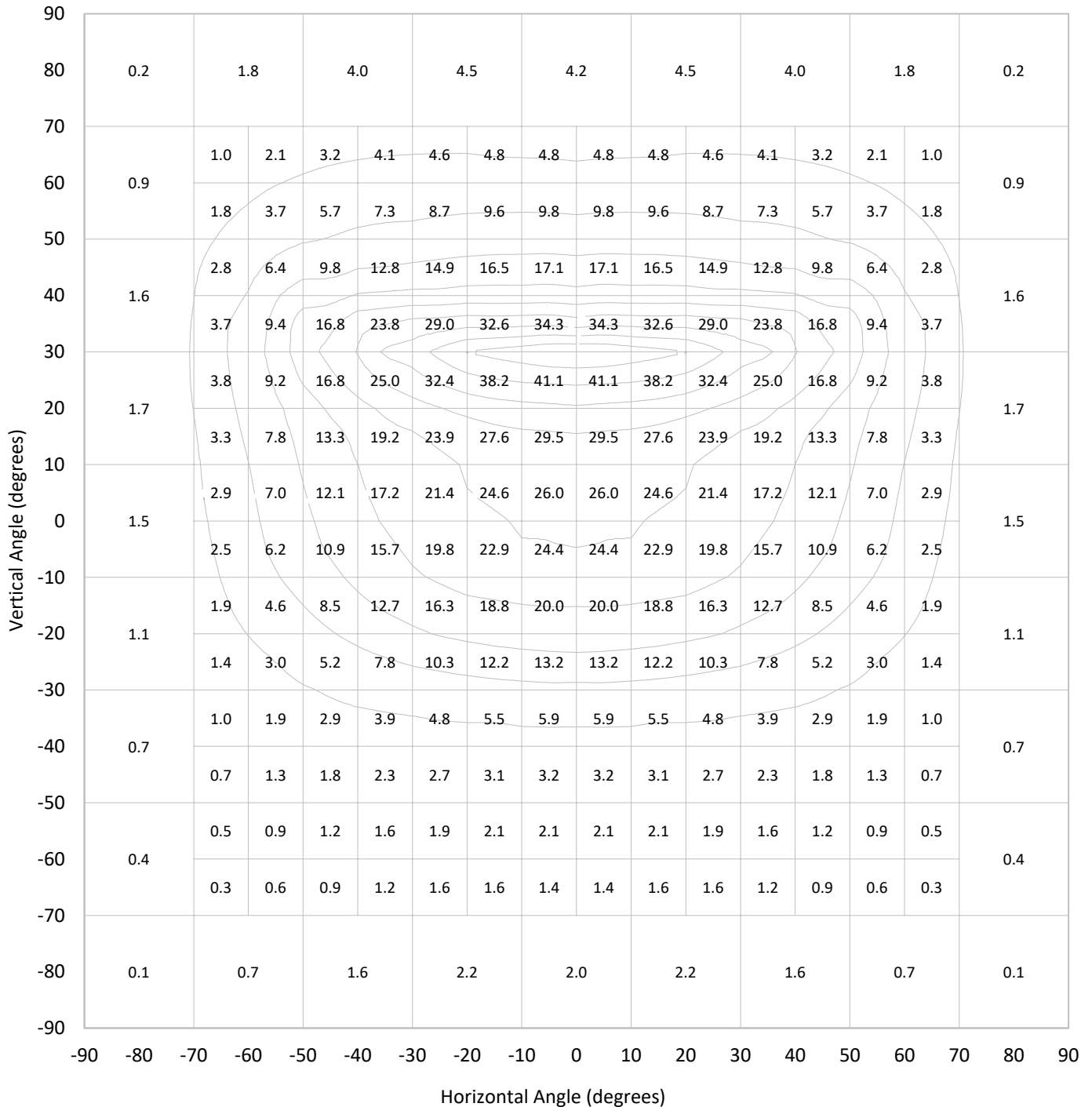
Iso-Candela Plot





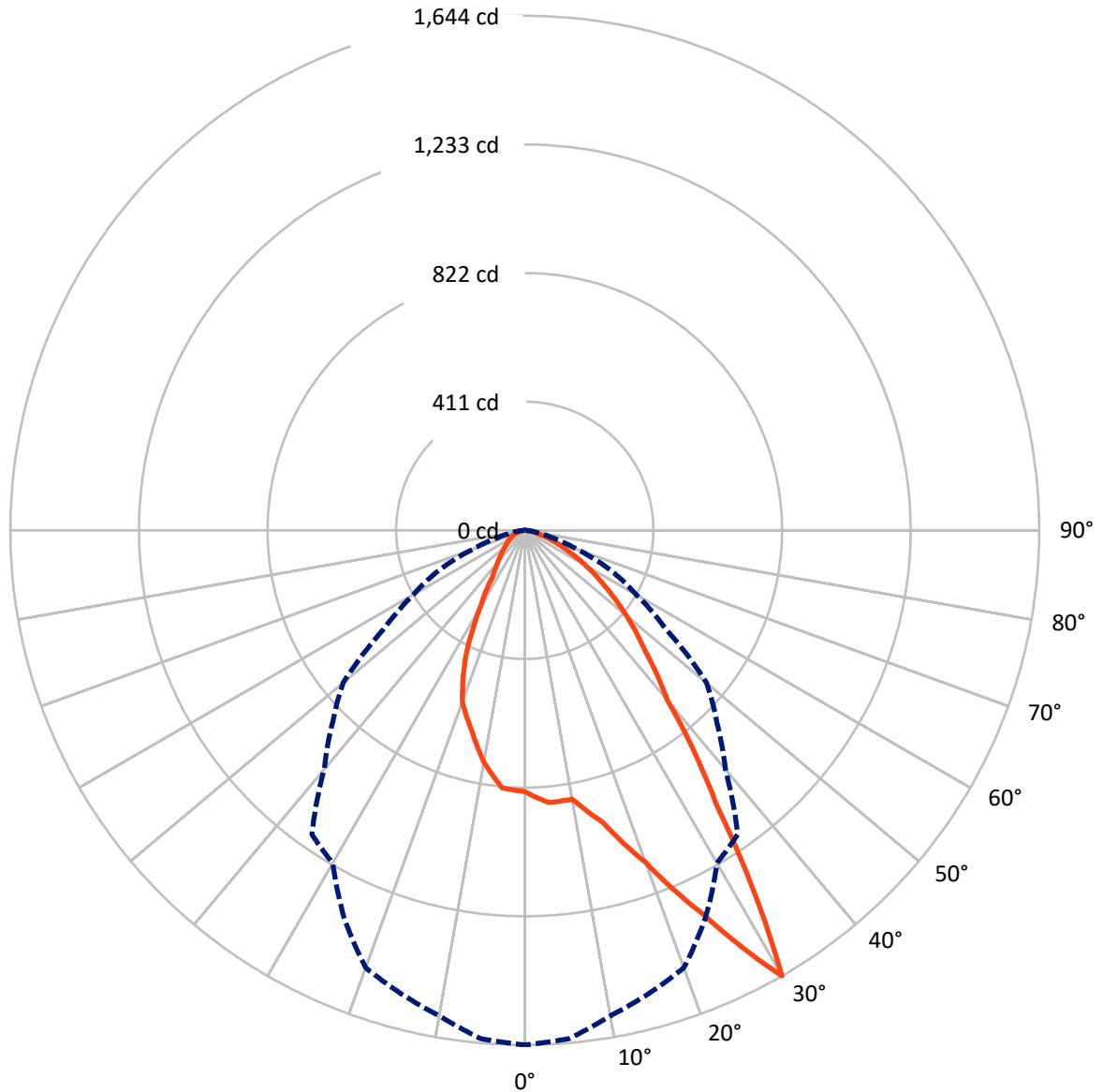
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Lumen Table



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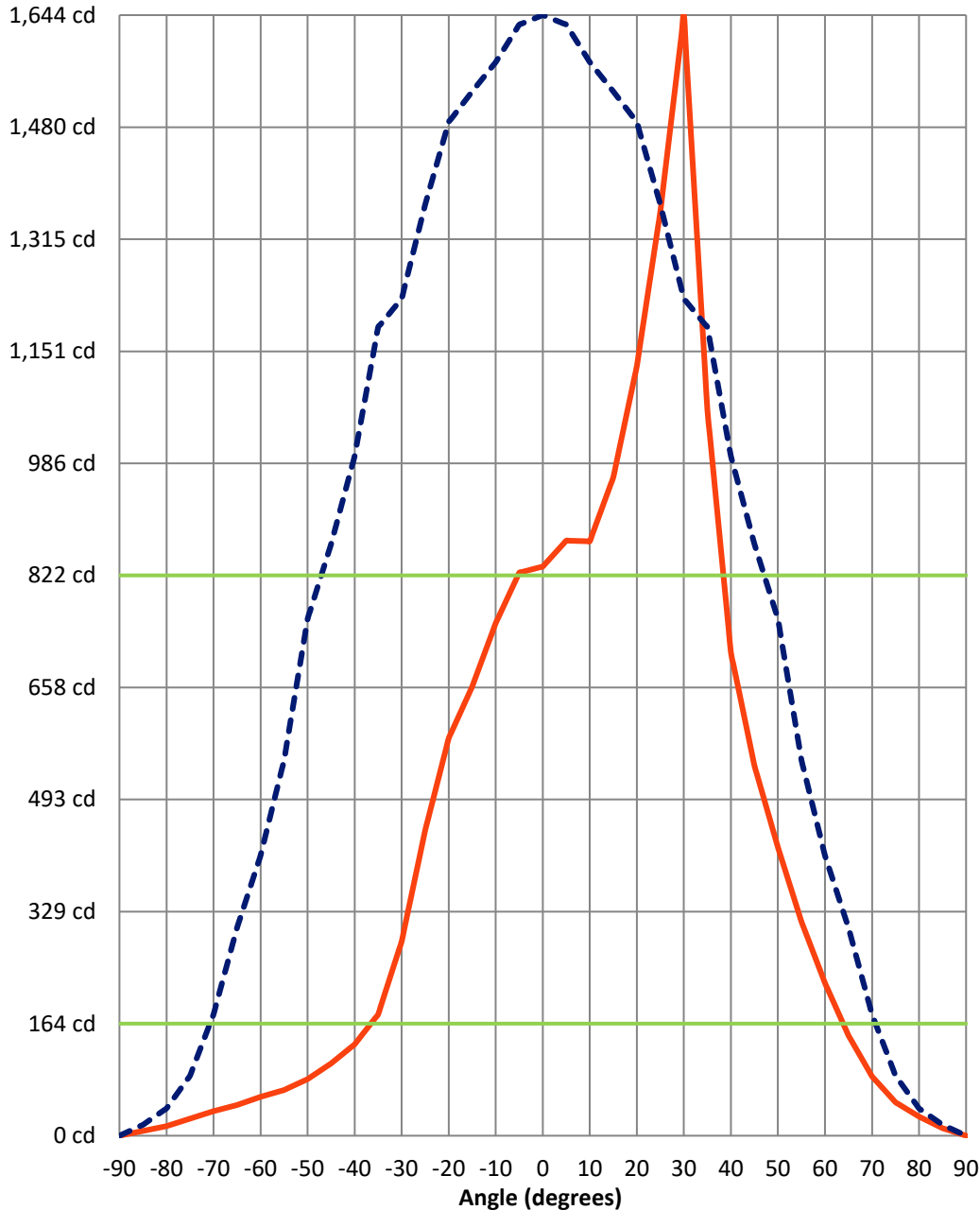
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 94.2°
 V Angle: 43.7°
 Lumens: 809.2
 Efficiency: 39.4%

Field:
 H Angle: 141.5°
 V Angle: 100.4°
 Lumens: 1870.1
 Efficiency: 91.0%

Spill:
 Lumens: 184.2
 Efficiency: 9.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	11	12	12	12	13	13	14	15	15	14	13
80°	28	30	30	30	33	35	38	39	38	37	34
75°	49	51	53	56	62	67	71	72	70	66	60
70°	87	93	97	100	105	108	113	114	109	102	93
65°	147	153	155	157	166	166	164	161	154	145	133
60°	224	232	234	236	241	237	224	219	211	197	179
55°	314	322	323	322	319	311	294	293	280	261	237
50°	423	427	426	425	417	408	392	381	364	335	314
45°	543	557	552	550	542	528	513	487	477	423	430
40°	709	728	718	721	719	698	698	687	672	595	581
35°	1065	1111	1099	1087	1098	1063	1052	987	945	778	748
30°	1644	1630	1575	1532	1487	1366	1228	1186	997	868	758
25°	1356	1347	1334	1308	1260	1179	1089	1012	892	789	675
20°	1129	1111	1096	1073	1032	981	921	851	774	684	568
15°	966	957	949	926	884	849	798	767	693	600	526
10°	872	874	869	852	834	793	765	715	657	585	507
5°	873	859	858	842	820	776	742	693	640	567	486
0°	835	830	833	810	786	756	716	670	612	539	462
-5°	826	818	815	791	761	725	682	631	575	512	440
-10°	752	752	743	738	717	675	640	588	527	460	390
-15°	659	661	654	638	624	596	559	516	460	397	328
-20°	583	577	569	553	531	505	467	423	371	318	261
-25°	448	444	431	418	397	371	346	311	277	236	202
-30°	285	289	281	271	257	243	232	209	197	175	155
-35°	178	179	178	169	170	166	156	152	143	135	120
-40°	134	133	132	130	128	124	120	116	112	105	97
-45°	106	106	106	104	101	98	94	90	88	82	79
-50°	83	84	83	82	80	79	77	75	71	68	64
-55°	67	69	72	73	68	67	65	63	59	56	53
-60°	57	58	67	69	65	63	58	53	50	47	45
-65°	45	46	50	54	63	66	53	45	42	40	38
-70°	36	36	38	40	49	51	43	39	35	32	31
-75°	25	26	27	28	29	29	29	29	26	24	23
-80°	14	15	16	16	17	17	18	19	17	16	15
-85°	7	7	8	8	8	8	9	10	9	8	8
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
90°	0	0	0	0	0	0	0	0
85°	11	9	8	6	4	2	1	0
80°	30	25	20	15	9	5	2	0
75°	54	46	37	27	18	7	3	0
70°	83	71	57	42	27	13	4	0
65°	118	100	80	58	37	19	5	0
60°	160	134	107	76	46	24	6	0
55°	211	175	139	100	56	28	8	0
50°	276	226	176	124	65	31	10	0
45°	367	284	219	148	73	34	12	0
40°	478	338	265	162	81	36	14	0
35°	541	386	308	174	86	39	15	0
30°	551	411	305	178	88	40	16	0
25°	511	400	294	176	89	42	17	0
20°	465	377	274	167	86	43	18	0
15°	445	353	250	153	85	43	18	0
10°	422	326	224	145	83	43	19	0
5°	401	308	214	139	80	42	18	0
0°	382	291	200	128	75	41	18	0
-5°	360	271	184	120	73	40	18	0
-10°	318	243	165	109	69	39	18	0
-15°	262	204	145	99	65	38	17	0
-20°	206	167	125	89	62	36	16	0
-25°	163	134	105	79	57	34	16	0
-30°	132	109	89	69	53	32	15	0
-35°	108	92	74	60	47	29	13	0
-40°	87	76	64	51	41	27	12	0
-45°	72	64	55	44	35	24	10	0
-50°	60	54	47	38	30	22	9	0
-55°	50	45	39	32	26	19	7	0
-60°	42	38	33	27	22	16	5	0
-65°	35	31	26	23	18	12	4	0
-70°	28	25	21	18	14	9	3	0
-75°	20	18	16	13	9	5	3	0
-80°	13	12	10	8	5	3	2	0
-85°	7	6	5	4	3	2	1	0
-90°	0	0	0	0	0	0	0	0

(END OF REPORT)