

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: STREETWORKS

Report Number: E418-14

Luminaire Tested: **CFB40SXX65**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: E418-14
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CFB40SXX65
Description: 400W HPS 6H X 5V FLOODLIGHT
Light Source: 400W HPS CL E-18
Ballast/Driver: -

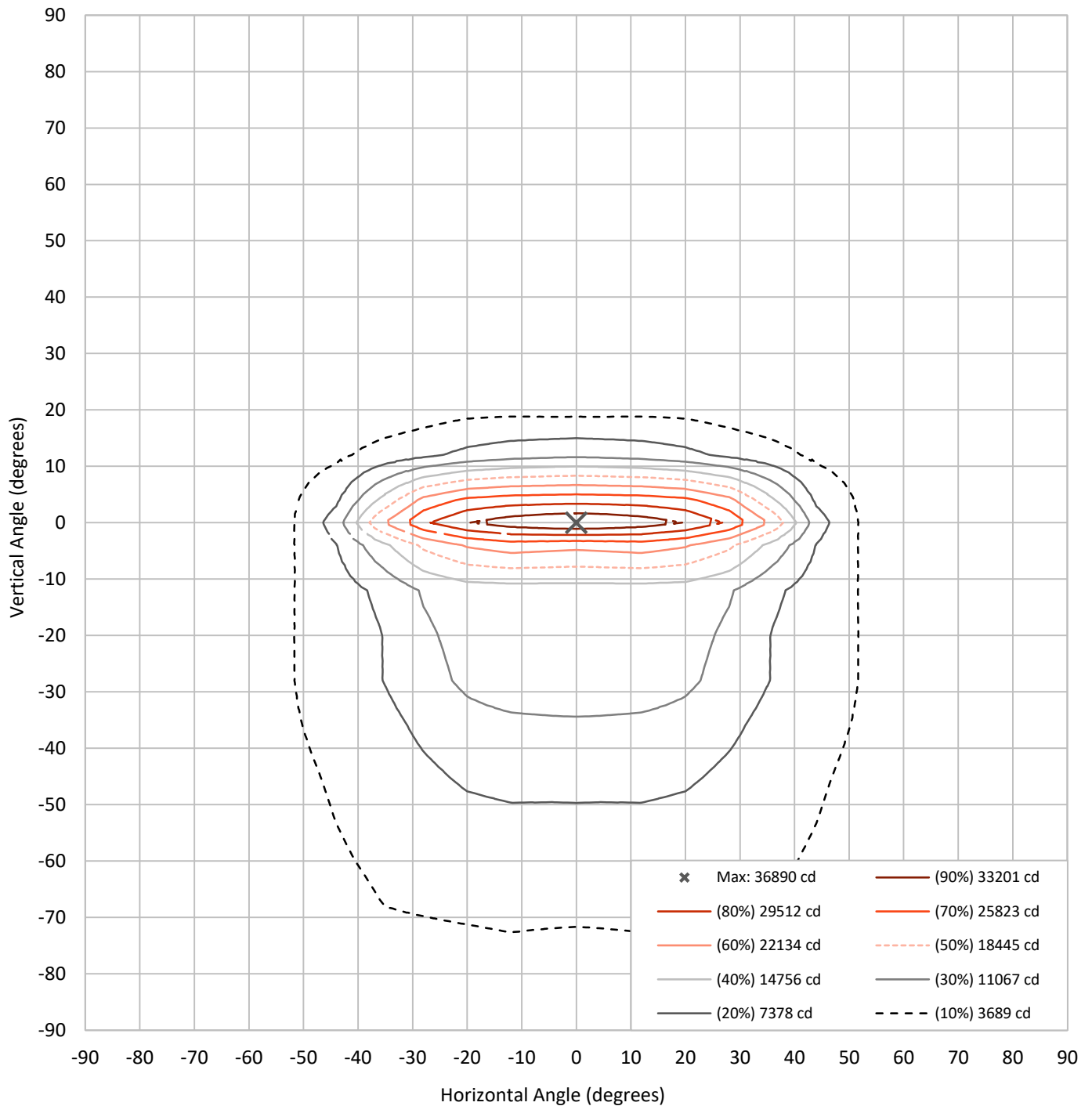
Summary

Lumens per Lamp:	50000 (1 lamp)	NEMA Type:	6H x 5V
Luminaire Lumens:	26492.6 lumens	Max Intensity:	36890 candela
Efficiency:	53.0%	Max Intensity Angle:	0°H x 0°V
Efficacy:	57.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.58' x L: 1.1' x H: 0')		
Beam Angle (50%):	75.9°H x 16.1°V	Field Angle (10%):	103.4°H x 90.5°V
Beam Lumens:	5677.6 lumens	Field Lumens:	23629.6 lumens
Beam Efficiency:	21.4%	Field Efficiency:	89.2%
Input Watts (W):	465		
Input Voltage (V):	NR		
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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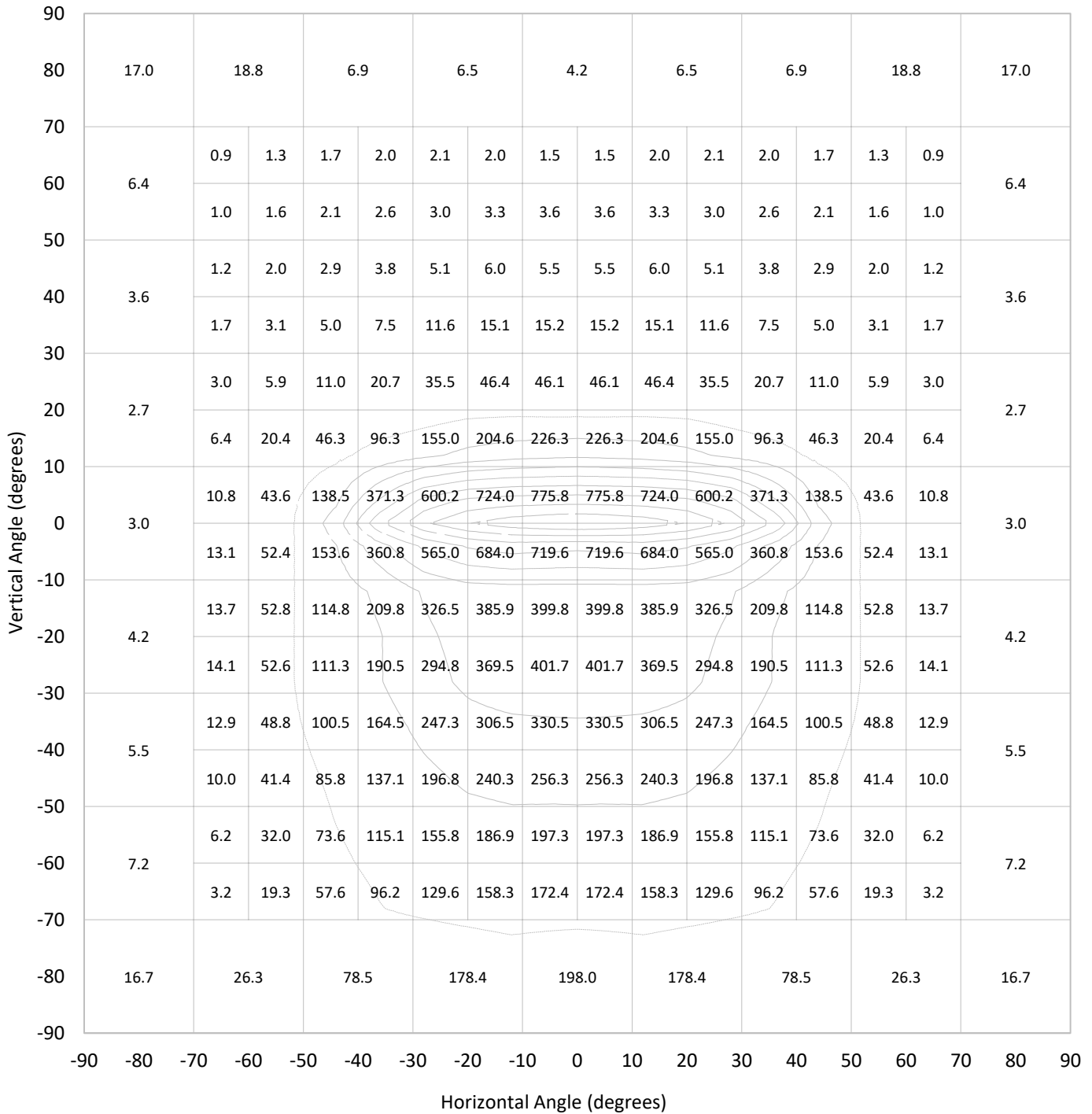
Iso-Candela Plot





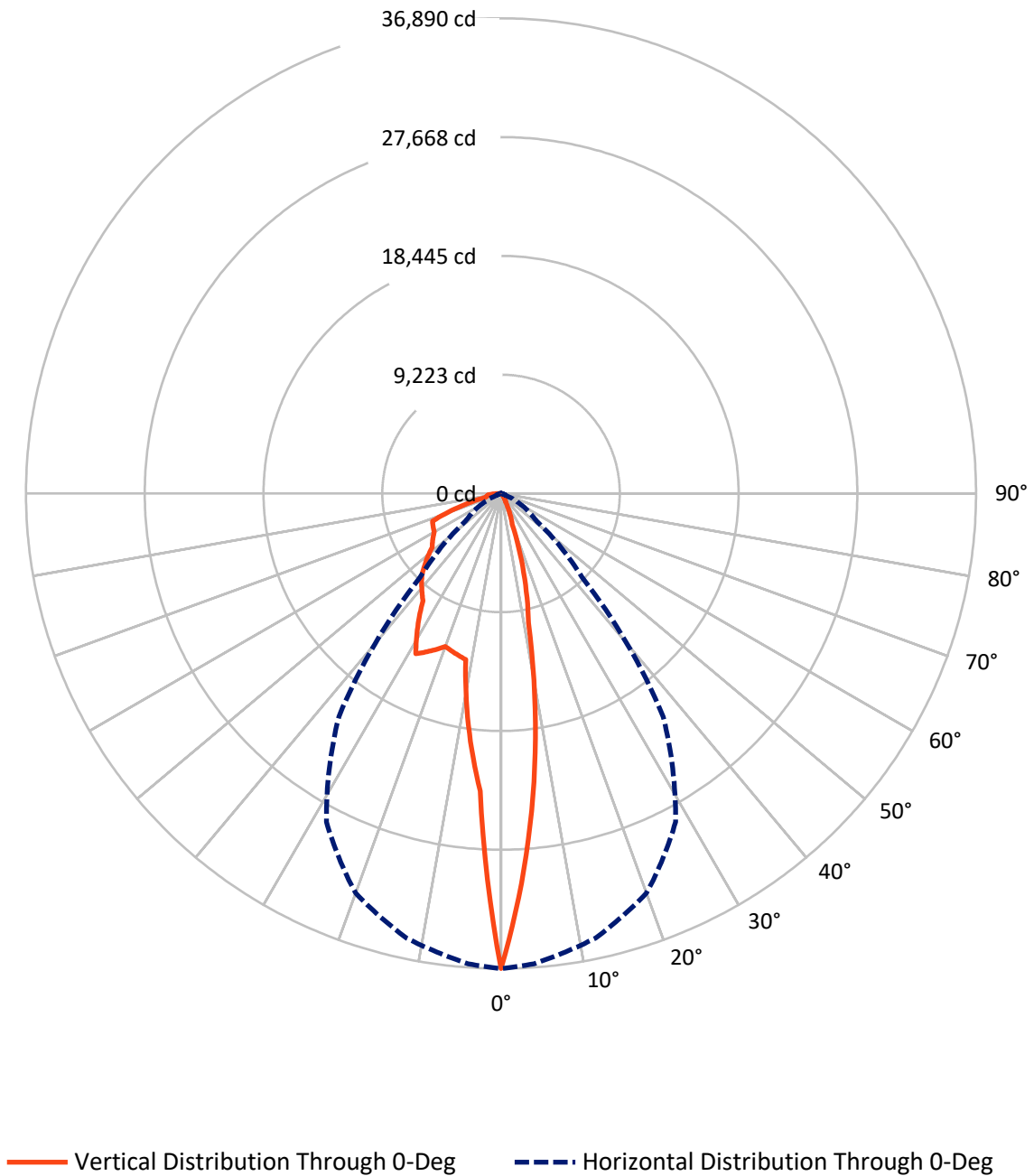
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Lumen Table



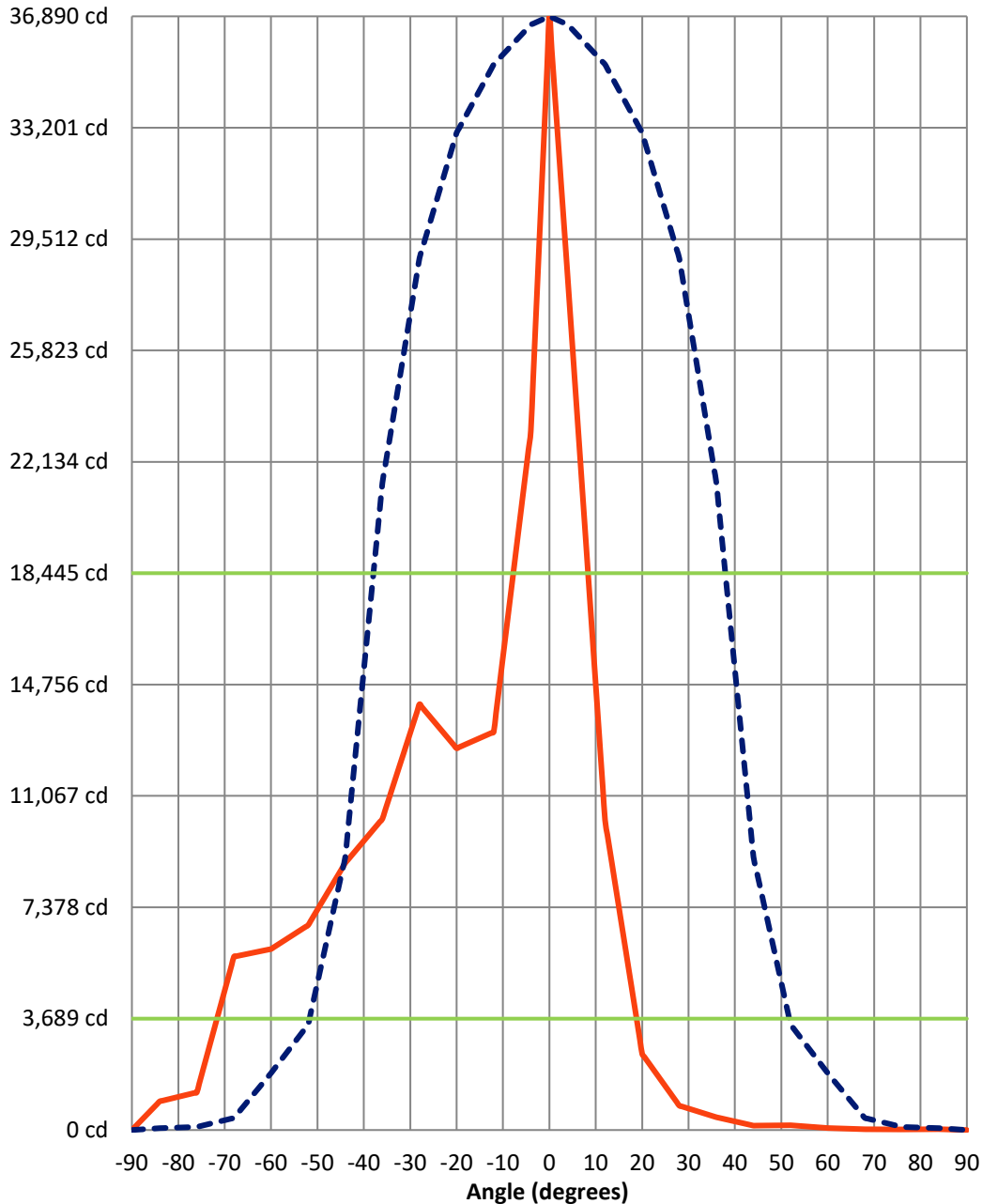
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 75.9°
 V Angle: 16.1°
 Lumens: 5677.6
 Efficiency: 21.4%

Field:
 H Angle: 103.4°
 V Angle: 90.5°
 Lumens: 23629.6
 Efficiency: 89.2%

Spill:
 Lumens: 2863
 Efficiency: 10.8%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	4°	12°	20°	28°	36°	44°	52°	60°	68°	76°
90°	0	0	0	0	0	0	0	0	0	0	0
84°	28	52	72	74	72	70	68	458	808	1102	1358
76°	20	28	54	68	72	72	72	68	64	180	794
68°	26	30	50	64	72	76	76	72	70	64	250
60°	66	70	82	88	88	88	88	84	78	70	60
52°	158	152	132	128	116	114	108	98	90	74	64
44°	146	146	180	214	164	150	136	122	104	90	70
36°	424	442	458	406	294	216	208	164	148	110	74
28°	808	824	890	876	718	550	384	276	210	154	80
20°	2524	2536	2700	2580	1764	1126	752	438	498	218	84
12°	10266	10066	9512	8382	6576	4980	2956	1890	1036	290	90
4°	28126	27996	27726	26692	23260	15222	6750	3202	1612	366	98
0°	36890	36612	35296	33030	28880	21432	9044	3492	1886	400	102
-4°	23160	23420	24008	22516	19182	13426	7272	3516	1910	386	110
-12°	13186	13134	13110	12956	11436	8102	5628	3592	1976	376	124
-20°	12644	12550	12782	12356	10426	7208	5196	3626	2018	476	132
-28°	14104	13968	13198	11806	9674	7220	5510	3606	1930	520	132
-36°	10308	10260	10178	9696	8140	6064	4708	3392	1726	498	130
-44°	8846	8774	8586	8090	6808	5382	4146	3030	1416	392	124
-52°	6786	6766	6874	6516	5638	4696	3764	2554	1110	178	116
-60°	5996	5972	5910	5380	4922	4180	3312	2044	614	160	104
-68°	5742	5708	5528	4970	4322	3608	2682	1186	228	142	276
-76°	1248	1566	2368	1812	1472	1520	416	486	174	228	782
-84°	950	1000	962	880	548	286	200	462	766	1042	1306
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	84°	90°
90°	0	0
84°	1600	0
76°	1364	0
68°	1134	0
60°	918	0
52°	718	0
44°	540	0
36°	386	0
28°	260	0
20°	164	0
12°	98	0
4°	66	0
0°	62	0
-4°	66	0
-12°	100	0
-20°	166	0
-28°	262	0
-36°	388	0
-44°	538	0
-52°	714	0
-60°	908	0
-68°	1120	0
-76°	1342	0
-84°	1572	0
-90°	0	0

(END OF REPORT)