

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: P152580

Luminaire Tested: **AVM-E06-LED-E-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152580
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-E06-LED-E-U-SL4
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17724.7 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): 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

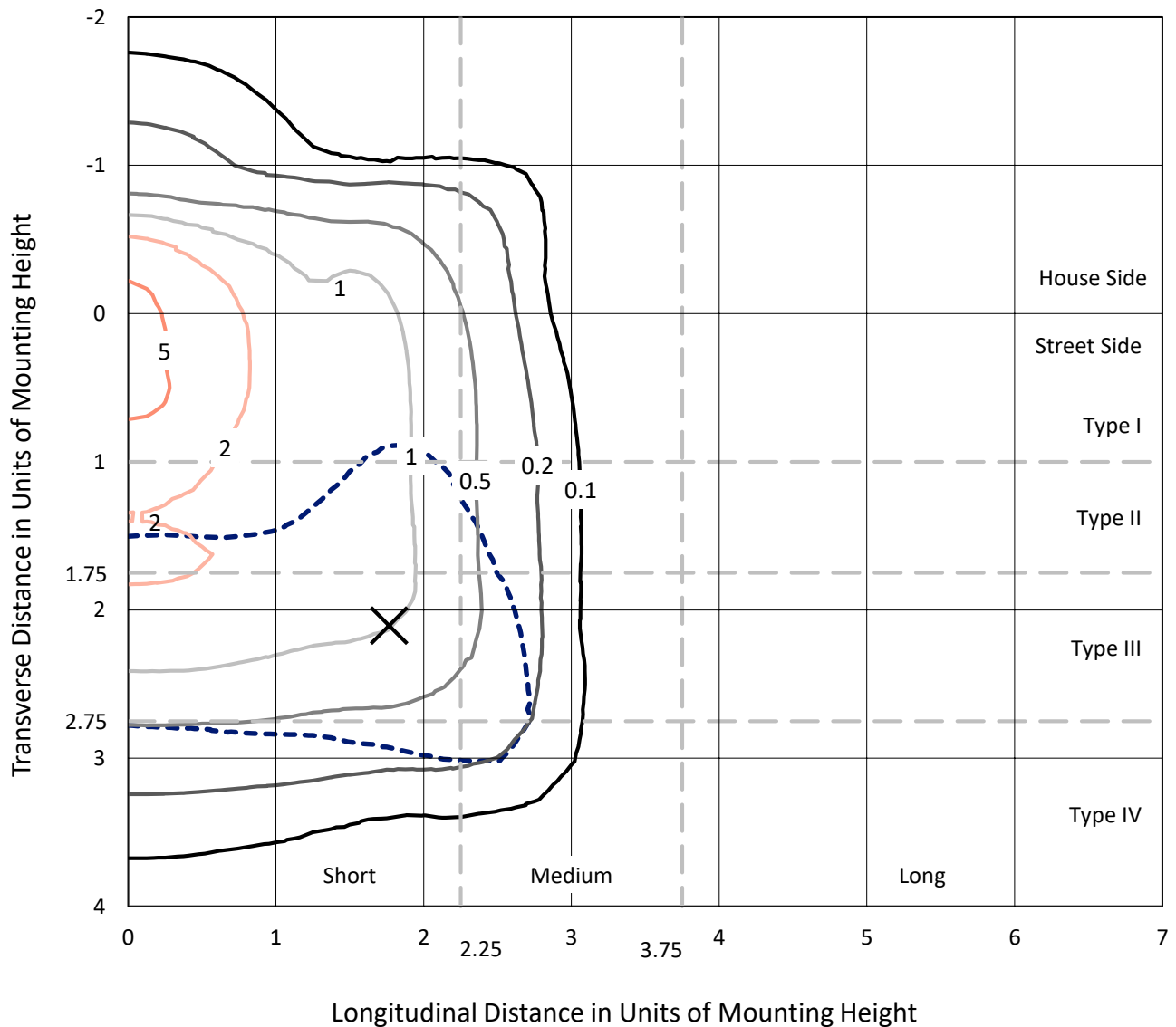


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

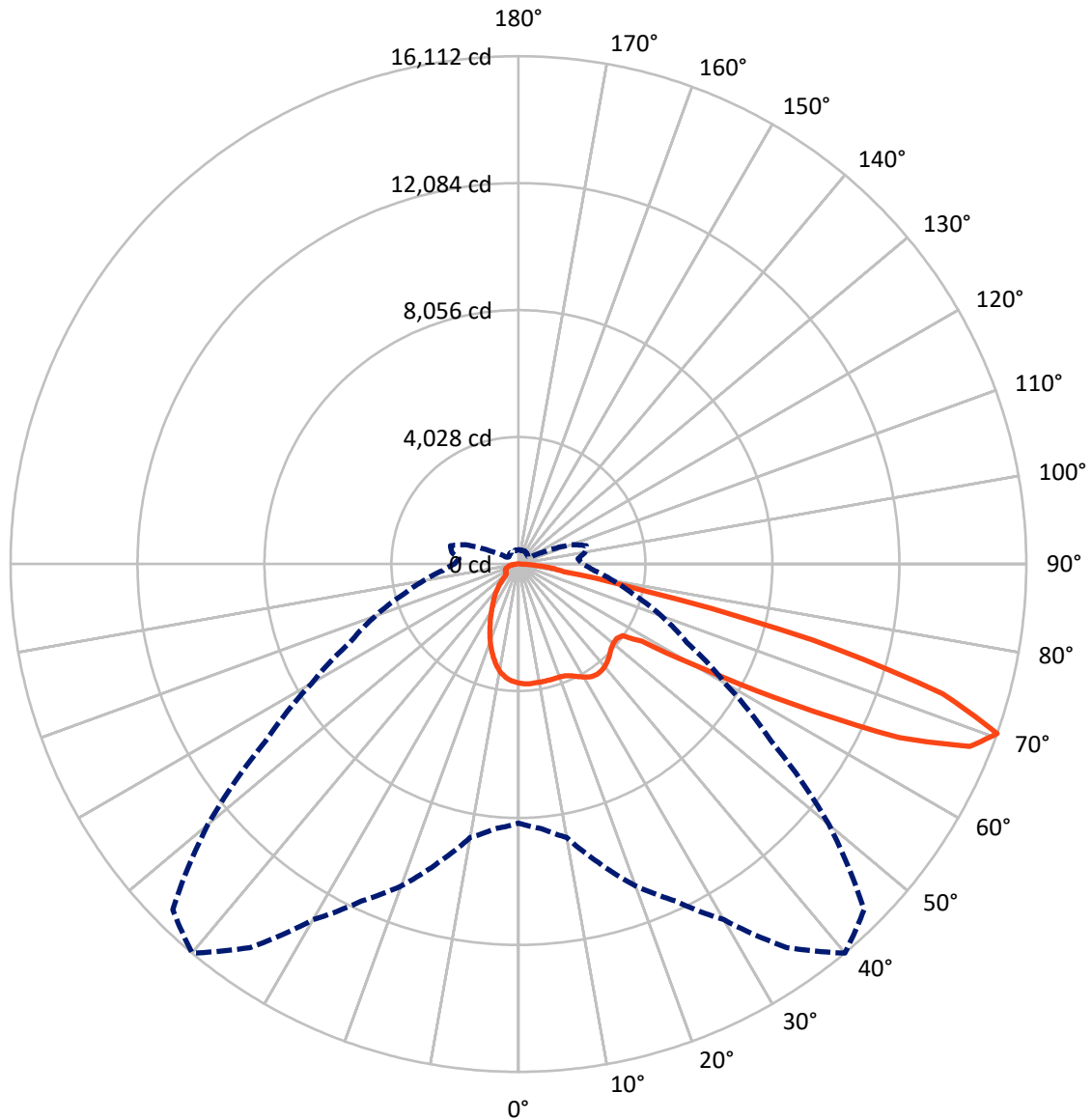


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3679.5	0.0	3679.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	14045.2	0.0	14045.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	17724.7	0.0	17724.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.3	2.0
10°-20°	967.2	5.5
20°-30°	1431.8	8.1
30°-40°	1809.5	10.2
40°-50°	2046.4	11.5
50°-60°	2912.1	16.4
60°-70°	5423.5	30.6
70°-80°	2485.6	14.0
80°-90°	295.1	1.7
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°	17724.7	100.0
0°-180°	17724.7	100.0



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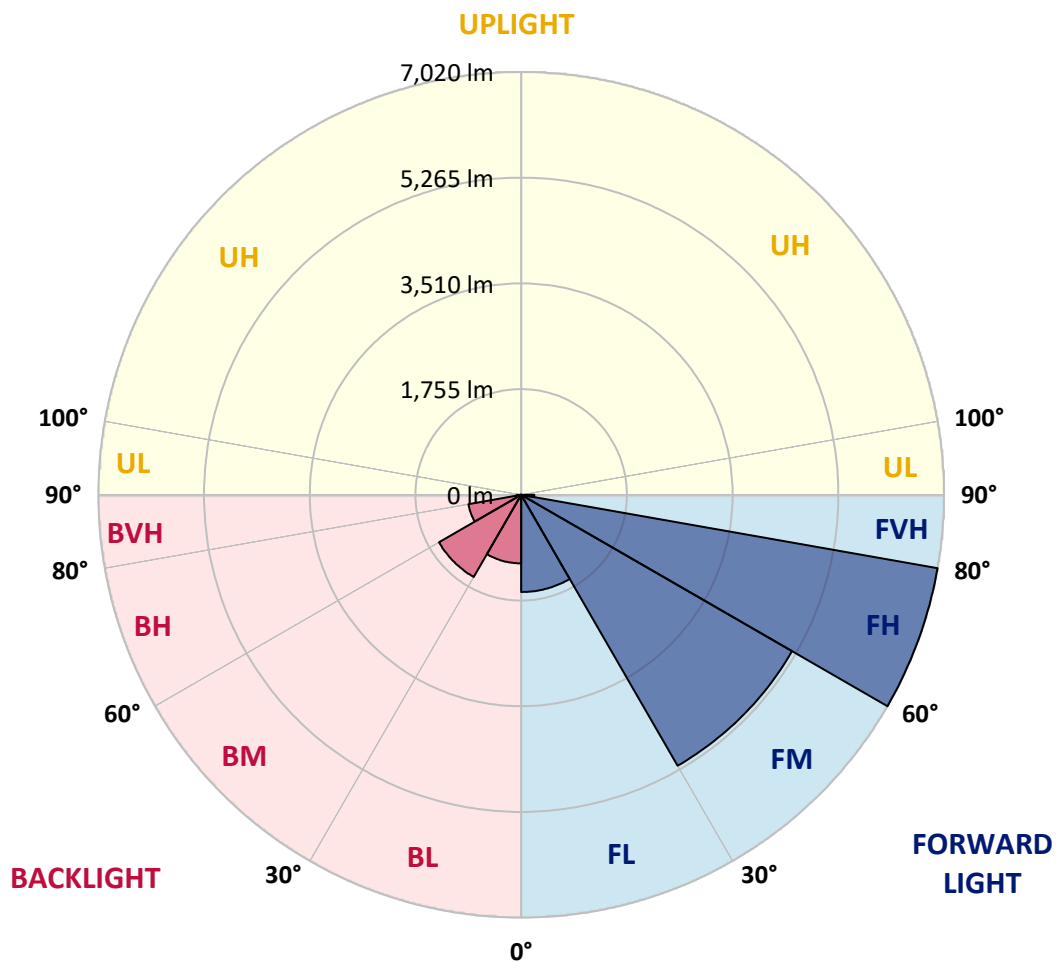
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1614.0	9.1			
FM	(30°-60°)	5192.7	29.3			
FH	(60°-80°)	7019.7	39.6			G3/7500
FVH	(80°-90°)	218.9	1.2			G2/225
BL	(0°-30°)	1138.5	6.4	B3/2500		
BM	(30°-60°)	1575.3	8.9	B2/2500		
BH	(60°-80°)	889.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	76.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782
2.5°	3840	3850	3838	3836	3836	3834	3822	3820	3804	3806	3810
5°	3868	3872	3864	3862	3858	3850	3840	3828	3816	3804	3794
7.5°	3896	3892	3886	3886	3880	3868	3848	3832	3806	3792	3774
10°	3936	3930	3922	3918	3908	3890	3862	3840	3808	3780	3750
12.5°	3974	3972	3960	3954	3938	3920	3886	3852	3810	3766	3726
15°	4042	4034	4022	4010	3984	3960	3908	3868	3808	3750	3688
17.5°	4160	4146	4134	4108	4076	4034	3958	3890	3808	3724	3654
20°	4376	4346	4330	4296	4240	4164	4046	3936	3814	3706	3612
22.5°	4620	4600	4578	4556	4468	4358	4198	4034	3850	3698	3578
25°	4894	4868	4856	4818	4736	4610	4392	4164	3932	3730	3578
27.5°	5138	5130	5128	5084	5006	4858	4600	4326	4044	3796	3608
30°	5360	5352	5348	5324	5234	5058	4778	4470	4166	3888	3664
32.5°	5596	5570	5558	5512	5410	5204	4884	4564	4262	3978	3726
35°	5788	5766	5742	5676	5532	5288	4930	4596	4300	4028	3758
37.5°	5928	5906	5872	5788	5610	5316	4928	4586	4286	4020	3764
40°	5990	5968	5932	5826	5624	5300	4890	4540	4244	3978	3740
42.5°	5966	5950	5904	5802	5580	5228	4814	4454	4164	3910	3686
45°	5874	5862	5818	5710	5480	5112	4702	4346	4068	3826	3614
47.5°	5736	5732	5688	5582	5354	4996	4586	4240	3972	3744	3554
50°	5584	5564	5542	5444	5236	4896	4502	4174	3918	3714	3528
52.5°	5488	5482	5462	5374	5174	4838	4464	4150	3914	3708	3514
55°	6340	6354	6170	5788	5452	4998	4578	4272	4012	3804	3662
57.5°	9378	9316	9000	8242	7386	6256	5442	4948	4626	4662	4734
60°	10926	10914	10856	10562	9992	9132	8178	7084	6736	6774	6802
62.5°	11618	11636	11680	11570	11420	11170	10694	10254	9788	9614	9148
65°	11938	11970	12070	12132	12190	12234	12422	12938	13278	12642	11162
67.5°	11276	11430	11760	12082	12370	12780	13416	14614	15448	14666	12520
70°	8220	8430	8808	9804	10868	11798	13030	14854	16112	15508	12856
72.5°	5154	5212	5380	5746	6536	7730	9884	12620	14072	13590	10866
75°	3270	3290	3284	3368	3502	3762	4614	7454	9640	8888	6056
77.5°	1948	1978	1990	2016	2080	2172	2242	2536	4042	3924	2198
80°	1632	1656	1636	1630	1590	1562	1596	1562	1450	1396	1286
82.5°	864	862	856	914	1032	1124	1194	1178	1066	908	770
85°	474	490	490	510	492	494	510	538	498	416	340
87.5°	40	62	50	62	84	60	58	58	50	36	32
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°	95°	100°	105°
0°	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782
2.5°	3800	3796	3788	3782	3782	3772	3766	3762	3760	3752	3752
5°	3788	3774	3760	3750	3744	3734	3718	3710	3700	3692	3688
7.5°	3762	3736	3714	3698	3678	3662	3642	3624	3606	3598	3594
10°	3722	3688	3654	3624	3596	3568	3542	3516	3494	3478	3462
12.5°	3684	3632	3588	3544	3500	3466	3430	3392	3360	3330	3322
15°	3632	3572	3516	3462	3408	3352	3308	3266	3214	3180	3154
17.5°	3584	3512	3444	3380	3314	3256	3190	3134	3082	3030	2992
20°	3532	3454	3382	3310	3238	3164	3088	3016	2952	2890	2828
22.5°	3486	3406	3336	3258	3178	3094	3006	2916	2842	2762	2690
25°	3458	3370	3298	3222	3134	3042	2942	2836	2746	2654	2568
27.5°	3458	3344	3270	3194	3104	3006	2896	2780	2678	2576	2470
30°	3488	3348	3248	3168	3076	2970	2848	2726	2614	2494	2392
32.5°	3516	3356	3232	3130	3024	2920	2796	2666	2542	2428	2320
35°	3534	3356	3202	3072	2952	2850	2728	2598	2472	2360	2260
37.5°	3536	3340	3154	3006	2880	2774	2658	2536	2416	2312	2228
40°	3516	3308	3106	2936	2804	2696	2590	2480	2372	2286	2214
42.5°	3480	3274	3060	2880	2742	2630	2532	2438	2344	2270	2210
45°	3426	3228	3018	2846	2710	2592	2496	2418	2338	2276	2216
47.5°	3378	3212	3032	2868	2726	2604	2506	2440	2378	2336	2254
50°	3368	3204	3038	2886	2742	2618	2532	2498	2480	2454	2328
52.5°	3340	3202	3082	2998	2906	2848	2758	2790	2770	2678	2450
55°	3634	3674	3786	3946	4094	4128	4118	4080	3878	3336	2744
57.5°	4996	5222	5434	5528	5516	5410	5334	5180	4888	4228	3324
60°	6888	6924	6812	6646	6366	6132	5882	5594	5170	4524	3680
62.5°	8630	8146	7648	7180	6754	6382	6034	5632	5080	4406	3634
65°	9860	8836	8050	7378	6776	6256	5822	5300	4678	4070	3368
67.5°	10494	8924	7718	6782	5928	5208	4630	4122	3660	3394	2948
70°	9786	7574	5894	4836	3814	3058	2416	2028	1894	2146	2232
72.5°	7292	4930	3506	2712	2078	1656	1270	998	812	852	1106
75°	3448	2128	1504	1144	910	754	616	564	472	392	368
77.5°	1342	978	808	592	420	338	288	278	284	276	272
80°	1022	692	434	318	274	242	214	206	210	220	230
82.5°	570	356	264	230	206	176	160	148	150	162	184
85°	220	172	158	152	142	114	98	100	114	136	136
87.5°	24	24	32	24	24	24	22	26	28	36	42
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782	3782
2.5°	3748	3748	3748	3744	3746	3738	3738	3732	3742	3736	3734
5°	3690	3688	3680	3680	3680	3680	3686	3670	3682	3682	3676
7.5°	3592	3592	3570	3582	3578	3584	3592	3584	3596	3604	3598
10°	3456	3456	3438	3452	3446	3460	3474	3466	3474	3486	3490
12.5°	3306	3298	3282	3288	3288	3296	3302	3312	3322	3338	3346
15°	3132	3120	3100	3100	3088	3092	3104	3108	3128	3150	3176
17.5°	2954	2924	2902	2876	2856	2872	2886	2896	2912	2946	2964
20°	2786	2726	2684	2650	2628	2638	2656	2668	2682	2690	2696
22.5°	2620	2552	2494	2452	2416	2426	2418	2412	2422	2396	2394
25°	2476	2396	2318	2268	2224	2210	2168	2158	2130	2108	2092
27.5°	2372	2268	2182	2124	2054	2002	1948	1894	1864	1828	1810
30°	2290	2180	2078	1980	1888	1808	1736	1666	1618	1566	1532
32.5°	2214	2112	1988	1854	1730	1640	1546	1466	1390	1322	1272
35°	2162	2048	1890	1726	1586	1480	1380	1266	1174	1086	1032
37.5°	2134	1994	1800	1618	1462	1342	1218	1086	974	892	810
40°	2112	1940	1720	1522	1358	1214	1070	914	790	704	640
42.5°	2088	1880	1650	1446	1264	1096	922	756	638	578	550
45°	2062	1828	1584	1374	1172	968	768	614	544	524	524
47.5°	2056	1794	1536	1304	1068	820	626	530	510	514	522
50°	2080	1784	1494	1222	930	664	530	498	502	514	526
52.5°	2138	1792	1450	1108	766	548	490	488	500	518	530
55°	2236	1792	1366	938	612	492	476	484	500	516	526
57.5°	2446	1774	1218	750	512	472	472	482	496	512	520
60°	2696	1750	1010	580	462	456	470	482	494	508	516
62.5°	2712	1688	800	480	436	446	468	484	488	498	508
65°	2492	1472	636	430	424	440	462	474	476	480	490
67.5°	2182	1200	514	406	412	430	442	452	458	468	470
70°	1792	964	440	382	388	408	418	428	440	452	446
72.5°	1270	750	386	356	364	382	394	402	412	424	416
75°	540	524	334	322	334	346	358	370	380	386	386
77.5°	276	308	288	288	296	308	318	330	336	342	350
80°	234	238	242	250	258	270	280	290	292	294	298
82.5°	194	202	206	218	224	228	234	234	238	238	232
85°	140	150	156	158	156	158	160	164	174	174	166
87.5°	40	38	48	50	54	62	70	84	88	92	92
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	3782	3782	3782	3782
2.5°	3732	3736	3728	3730
5°	3676	3684	3674	3686
7.5°	3604	3616	3614	3612
10°	3500	3516	3516	3522
12.5°	3368	3378	3386	3390
15°	3190	3208	3218	3218
17.5°	2976	2988	2994	2986
20°	2704	2700	2702	2682
22.5°	2390	2396	2378	2382
25°	2082	2072	2080	2068
27.5°	1784	1786	1764	1774
30°	1500	1490	1462	1476
32.5°	1226	1200	1170	1152
35°	968	928	914	908
37.5°	760	716	702	686
40°	604	588	582	586
42.5°	542	542	546	548
45°	526	532	538	540
47.5°	528	534	542	544
50°	532	538	544	546
52.5°	534	534	538	540
55°	530	528	530	532
57.5°	522	518	520	526
60°	518	512	516	520
62.5°	508	506	510	512
65°	486	488	494	494
67.5°	466	468	470	472
70°	442	444	448	450
72.5°	414	422	428	436
75°	392	400	412	420
77.5°	354	360	374	384
80°	300	298	300	306
82.5°	230	230	228	226
85°	162	160	154	154
87.5°	88	86	84	80
90°	0	0	0	0

(END OF REPORT)