

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: P691115

Luminaire Tested: **CRTK2-C013-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2519.1 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 20.4
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: 24 FT



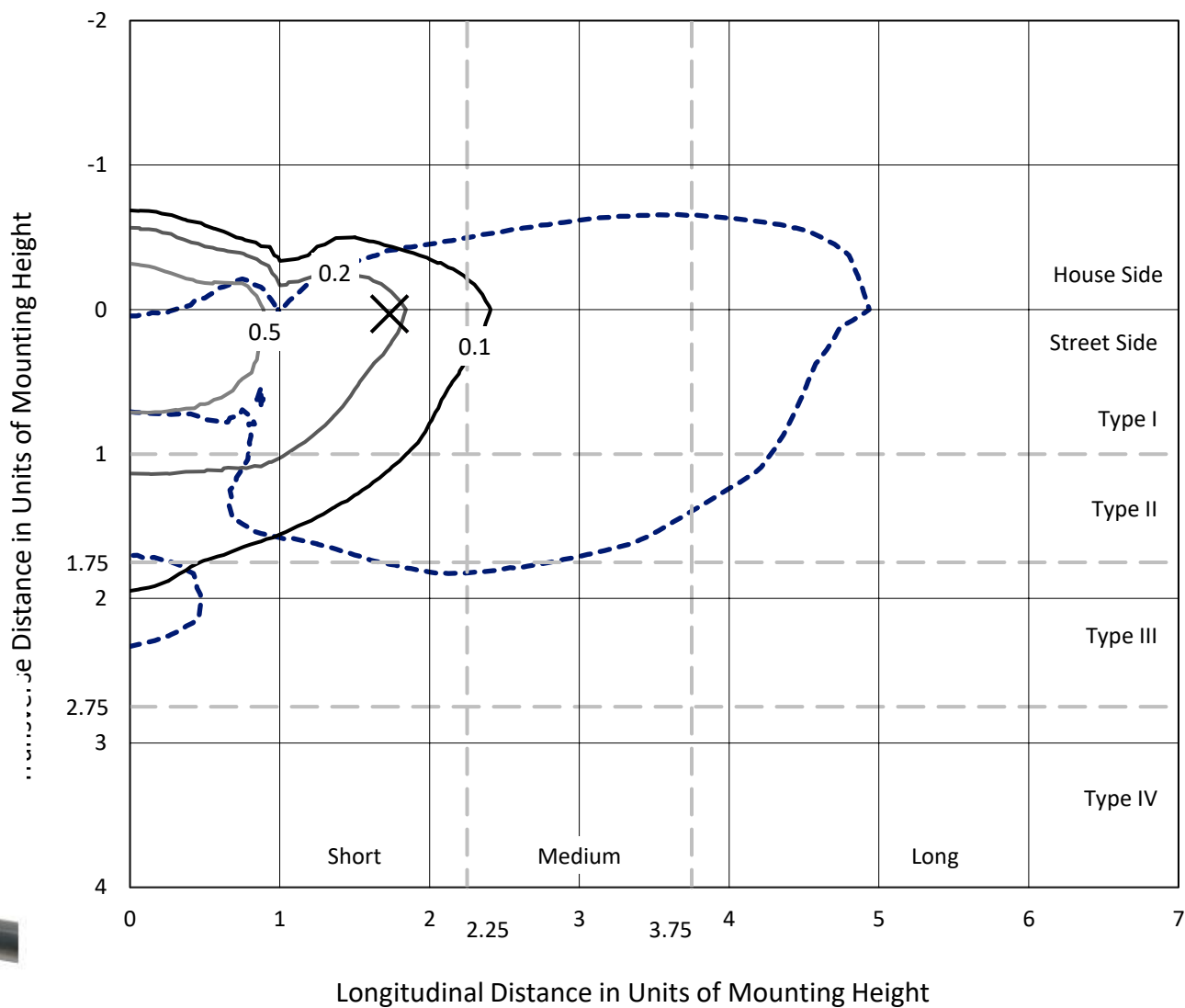
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

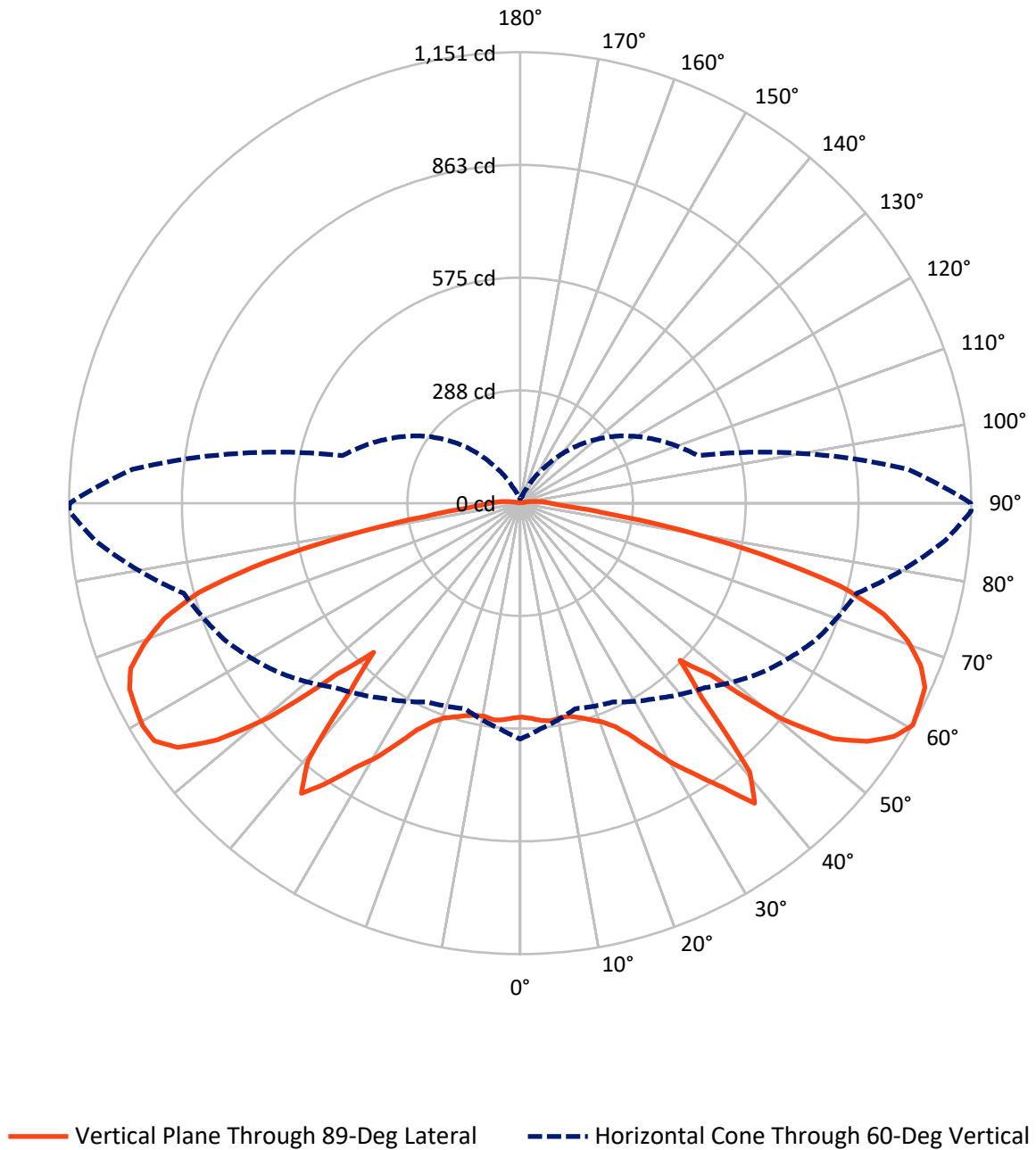


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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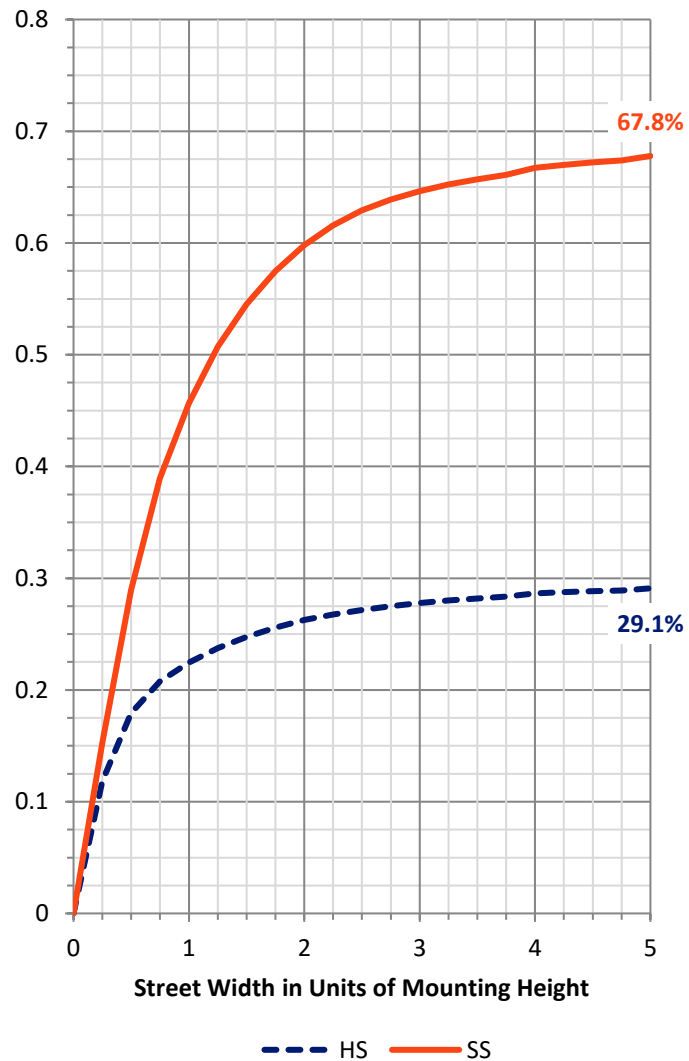
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	747.8	14.0	761.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	1730.2	27.1	1757.2
	% Fixture	68.7	1.1	69.8
Total	Lumens	2478.0	41.1	2519.1
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	2.1
10°-20°	154.9	6.2
20°-30°	255.7	10.2
30°-40°	346.9	13.8
40°-50°	289.0	11.5
50°-60°	400.2	15.9
60°-70°	493.2	19.6
70°-80°	373.5	14.8
80°-90°	112.1	4.4
90°-100°	29.0	1.2
100°-110°	6.6	0.3
110°-120°	3.1	0.1
120°-130°	2.1	0.1
130°-140°	0.2	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°	2478.0	98.4
0°-180°	2519.1	100.0

Coefficient of Utilization



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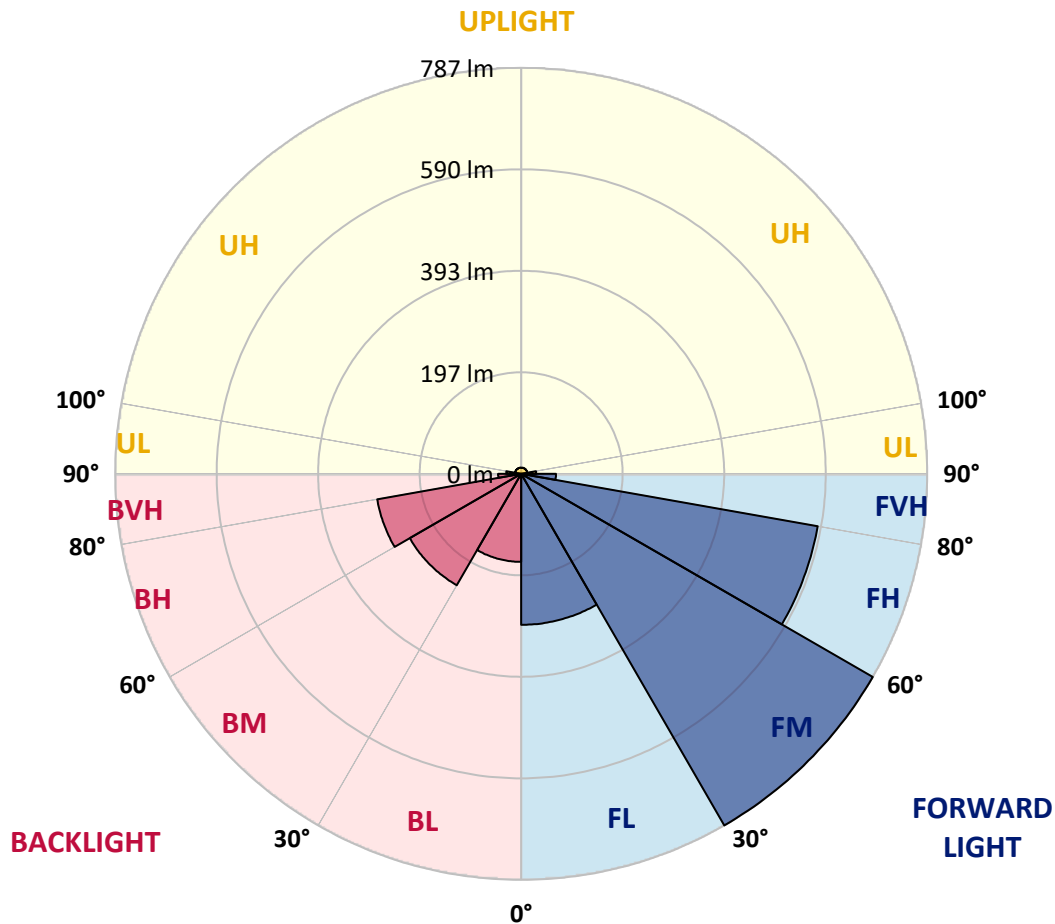
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.6	11.6			
FM	(30°-60°)	786.7	31.2			
FH	(60°-80°)	583.4	23.2			G0/660
FVH	(80°-90°)	67.4	2.7			G1/100
BL	(0°-30°)	170.6	6.8	B1/500		
BM	(30°-60°)	249.3	9.9	B1/1000		
BH	(60°-80°)	283.3	11.2	B1/500		G1/500
BVH	(80°-90°)	44.7	1.8			G1/100
UL	(90°-100°)	29.0	1.2		U2/50	
UH	(100°-180°)	12.1	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	546	546	546	546	546	546	546	546	546	546	546
2.5°	573	570	570	570	564	564	560	558	554	551	550
5°	606	604	604	603	597	593	585	578	572	562	557
7.5°	632	629	629	628	622	617	608	592	580	569	561
10°	641	640	639	636	631	627	619	604	585	567	557
12.5°	658	658	655	651	647	643	632	620	599	571	558
15°	680	678	676	674	671	665	655	640	616	582	568
17.5°	689	688	688	689	688	684	682	665	640	597	581
20°	691	692	694	701	703	701	704	694	665	617	596
22.5°	703	705	709	716	719	722	725	733	704	648	619
25°	698	700	712	723	734	743	762	780	759	694	657
27.5°	685	689	710	732	759	783	818	840	823	752	710
30°	696	696	710	742	777	831	877	902	890	808	772
32.5°	673	679	708	756	810	879	924	968	972	883	827
35°	602	612	636	700	783	903	982	1041	1060	973	891
37.5°	496	503	545	609	708	823	950	1084	1137	1031	972
40°	439	444	469	522	613	724	824	953	982	941	902
42.5°	420	428	459	508	582	660	676	724	709	714	680
45°	446	449	472	515	560	581	560	593	609	606	572
47.5°	459	464	489	544	544	545	571	591	637	680	656
50°	394	401	447	491	498	581	649	688	736	851	865
52.5°	371	376	426	514	565	650	692	728	769	959	998
55°	406	415	474	565	621	672	726	778	822	1044	1073
57.5°	469	486	522	573	626	672	744	808	866	1077	1124
60°	602	579	543	560	608	666	753	830	889	1089	1151
62.5°	664	647	559	536	578	645	736	830	881	1066	1143
65°	642	628	565	508	541	616	710	818	863	1037	1135
67.5°	547	533	513	492	506	587	686	796	843	1013	1102
70°	445	437	430	446	472	543	638	747	803	955	1048
72.5°	379	374	362	378	419	484	566	675	742	857	971
75°	322	319	315	323	349	410	475	582	663	748	844
77.5°	261	257	266	268	288	332	374	463	553	587	630
80°	190	194	209	203	218	233	263	302	373	411	414
82.5°	133	137	151	136	140	141	152	166	195	227	231
85°	94	96	99	88	88	88	95	103	118	131	134
87.5°	67	67	71	67	66	65	69	72	81	90	92
90°	50	50	52	50	50	50	54	57	65	73	74
92.5°	36	36	39	38	38	39	43	45	52	60	61
95°	28	28	30	29	29	31	34	36	41	45	46
97.5°	20	20	21	21	21	21	23	26	32	32	31
100°	14	14	15	14	14	15	15	17	20	19	19
102.5°	10	10	10	10	10	9	9	10	11	10	10
105°	7	7	7	7	7	7	7	7	7	7	6
107.5°	6	6	6	6	6	6	6	6	6	5	5
110°	5	5	5	5	5	5	5	5	5	5	4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	5	5	5	5	5	5	5	5	5	4	4
115°	5	5	5	5	5	5	5	5	5	4	4
117.5°	4	4	4	4	4	4	4	4	4	4	4
120°	4	4	4	4	4	4	4	4	4	4	4
122.5°	4	4	4	4	4	4	4	4	4	4	4
125°	3	3	3	3	3	3	3	3	4	4	3
127.5°	3	3	3	3	3	3	3	3	3	3	3
130°	3	2	3	3	3	3	3	3	3	3	2
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	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°	546	546	546	546	546	546	546	546	546	546	546
2.5°	549	547	541	534	528	523	518	514	513	511	513
5°	556	549	535	526	518	510	502	498	495	493	493
7.5°	559	549	533	521	504	487	477	469	466	469	469
10°	554	542	523	505	482	468	454	447	443	443	440
12.5°	556	542	514	487	468	443	426	418	412	414	414
15°	564	545	506	479	446	426	405	400	399	396	394
17.5°	576	548	504	461	427	403	383	374	369	366	365
20°	589	552	498	444	407	376	352	340	336	336	334
22.5°	611	566	493	436	380	349	325	308	300	299	298
25°	647	593	498	418	364	318	291	276	267	264	264
27.5°	702	630	505	408	331	289	259	236	223	224	225
30°	761	685	525	392	310	248	212	194	182	178	176
32.5°	809	742	554	379	271	198	167	154	141	130	126
35°	883	790	579	360	239	162	135	115	104	99	97
37.5°	950	837	598	356	194	139	107	86	75	74	74
40°	869	778	584	324	153	108	77	61	53	49	49
42.5°	665	596	445	270	110	73	49	46	45	41	41
45°	557	440	270	141	52	40	35	35	36	39	39
47.5°	669	520	199	101	51	35	31	28	26	25	25
50°	866	740	254	120	61	36	28	25	24	23	21
52.5°	1010	867	335	183	98	46	28	21	16	14	13
55°	1097	978	395	263	159	77	35	19	14	12	11
57.5°	1144	991	445	335	234	137	61	23	14	11	11
60°	1150	993	469	383	298	208	116	45	18	13	12
62.5°	1145	976	475	402	337	266	183	89	28	15	14
65°	1136	977	448	385	337	285	212	117	40	17	16
67.5°	1106	974	433	348	305	255	190	109	46	21	20
70°	1045	938	424	333	286	227	160	87	52	36	39
72.5°	976	873	415	320	279	226	161	94	70	59	63
75°	873	760	399	307	275	233	163	89	66	53	52
77.5°	672	632	364	275	250	215	139	68	49	37	36
80°	439	434	284	222	211	190	116	53	39	30	28
82.5°	248	238	177	140	149	154	94	40	30	24	22
85°	141	143	103	76	77	91	61	28	19	14	13
87.5°	97	100	67	51	46	43	32	17	11	7	5
90°	79	79	50	37	32	28	18	10	8	4	3
92.5°	64	67	42	30	25	22	14	7	5	3	2
95°	48	51	34	25	20	17	12	6	4	2	2
97.5°	33	33	24	19	16	13	9	5	3	2	2
100°	19	20	14	12	11	10	6	4	2	1	1
102.5°	10	10	7	7	6	6	5	3	2	1	1
105°	6	6	5	5	4	4	3	2	1	0	1
107.5°	5	5	4	4	3	3	2	2	1	0	0
110°	4	4	3	3	3	2	2	1	1	0	0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4	4	3	3	2	2	2	1	1	0	0
115°	4	3	3	2	2	2	1	1	0	0	0
117.5°	4	3	2	2	2	1	1	1	0	0	0
120°	4	3	2	2	2	2	1	1	0	0	0
122.5°	4	3	2	2	2	1	1	1	0	0	0
125°	3	3	2	2	1	1	1	1	0	0	0
127.5°	3	3	2	2	1	1	1	1	0	0	0
130°	3	3	2	2	1	1	1	1	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)