

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: P416832

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-750-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8998 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

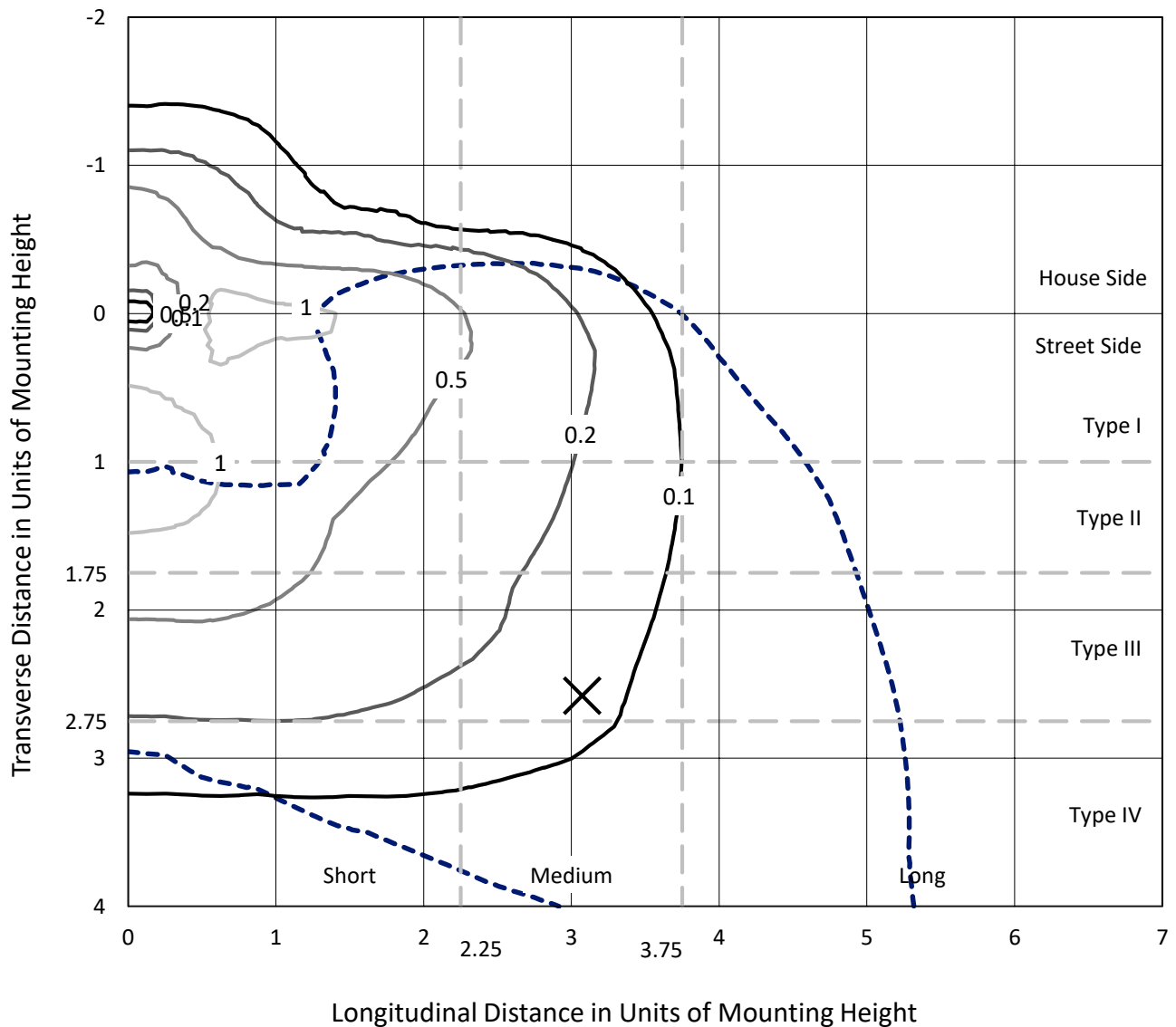


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

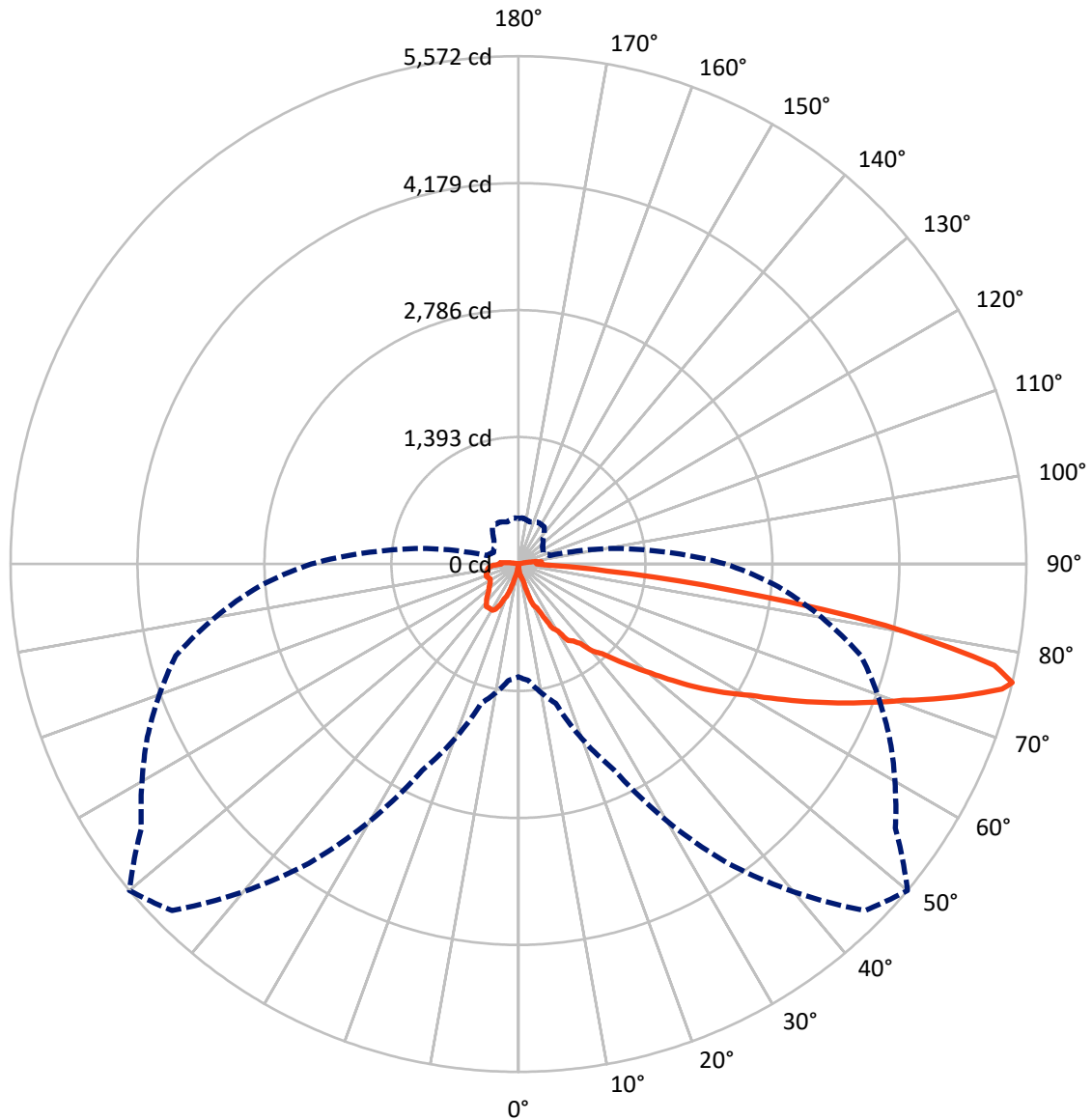


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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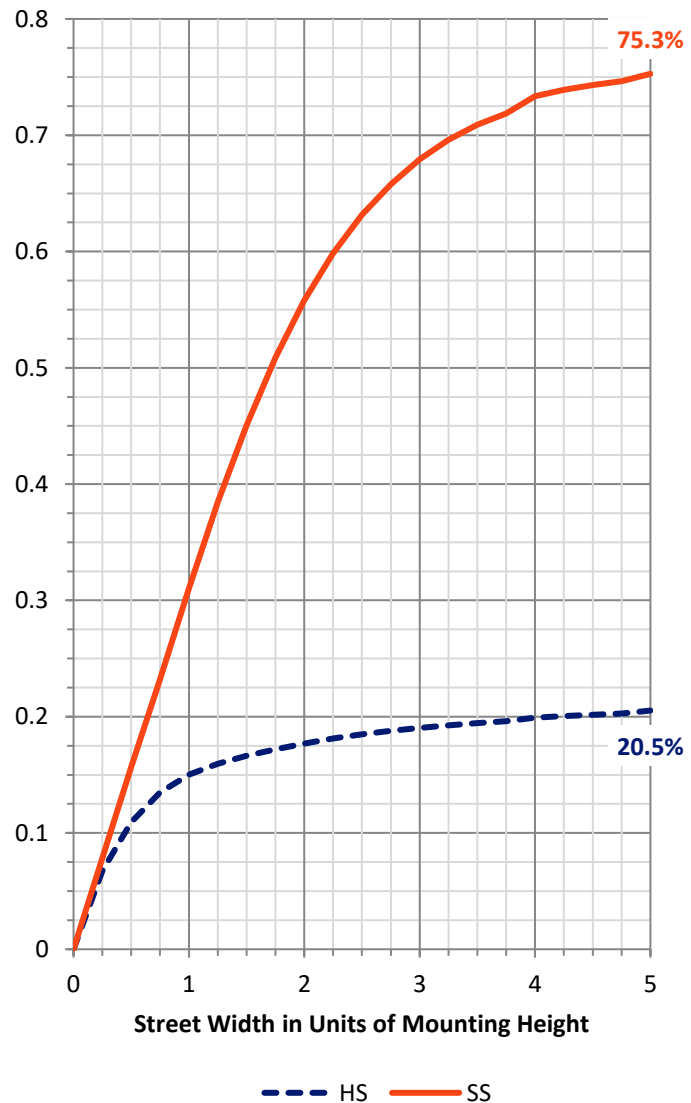
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1963.8	110.7	2074.5
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	6834.7	88.8	6923.5
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	8798.5	199.5	8998.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	75.1	0.8
20°-30°	293.5	3.3
30°-40°	631.8	7.0
40°-50°	1029.3	11.4
50°-60°	1657.2	18.4
60°-70°	2413.8	26.8
70°-80°	2153.4	23.9
80°-90°	539.4	6.0
90°-100°	158.0	1.8
100°-110°	23.4	0.3
110°-120°	6.7	0.1
120°-130°	4.6	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8798.5	97.8
0°-180°	8998.0	100.0

**Coefficient of Utilization**



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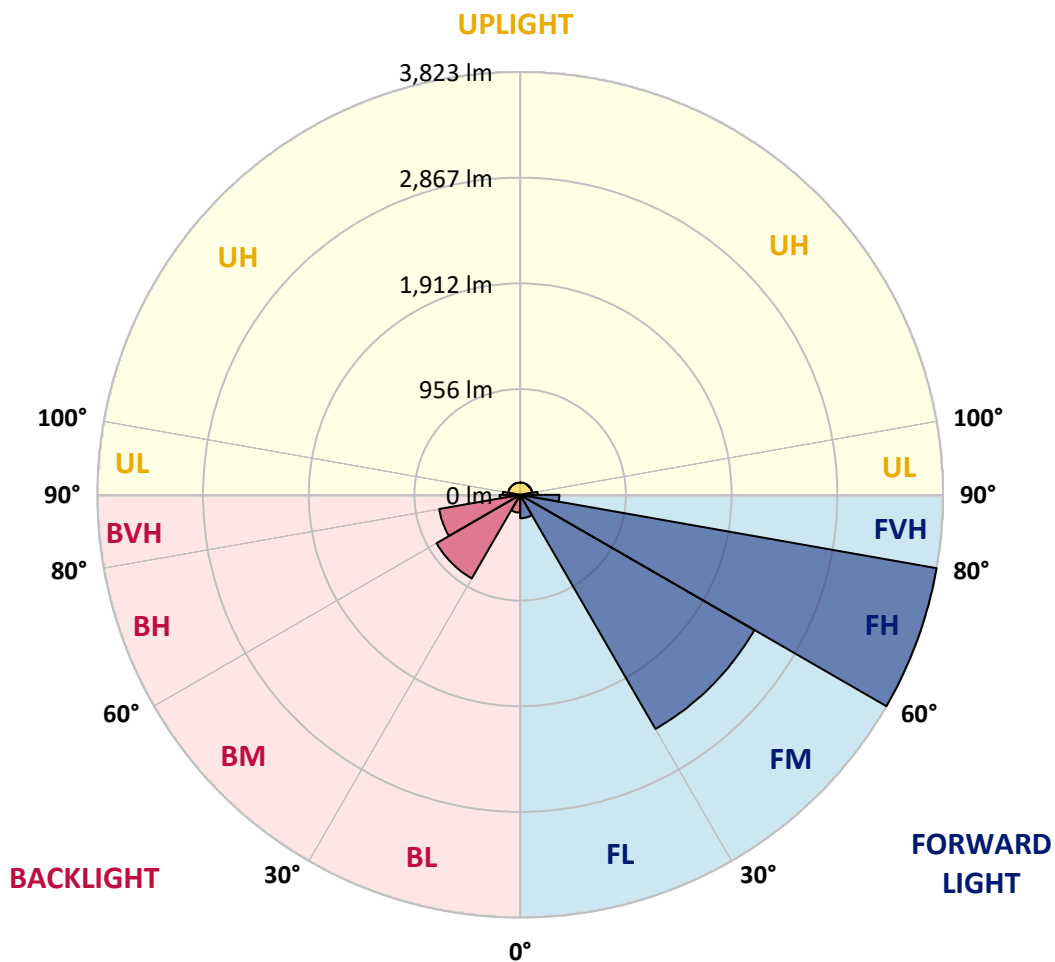
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.2	2.4			
FM	(30°-60°)	2445.1	27.2			
FH	(60°-80°)	3823.3	42.5			G2/5000
FVH	(80°-90°)	354.2	3.9			G3/500
BL	(0°-30°)	161.4	1.8	B1/500		
BM	(30°-60°)	873.2	9.7	B1/1000		
BH	(60°-80°)	744.0	8.3	B2/1000		G2/1000
BVH	(80°-90°)	185.2	2.1			G2/225
UL	(90°-100°)	158.0	1.8		U3/500	
UH	(100°-180°)	110.7	1.2		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5	5	5	5	5	5	5	5	5	5	5
2.5°	13	10	9	8	8	7	7	6	6	6	6
5°	126	122	113	105	36	30	25	19	7	7	6
7.5°	151	148	142	138	132	123	113	53	21	8	7
10°	198	183	171	161	154	139	135	127	35	15	11
12.5°	354	346	334	227	187	160	154	147	114	54	97
15°	390	382	370	355	333	197	185	230	294	221	231
17.5°	458	454	422	386	364	387	388	352	334	292	266
20°	635	631	613	521	412	489	487	469	375	431	464
22.5°	661	656	640	615	652	536	523	523	553	586	546
25°	870	865	743	647	699	638	640	708	612	643	614
27.5°	909	902	892	828	736	808	797	760	796	888	857
30°	1061	984	951	914	869	856	851	918	944	938	947
32.5°	1231	1228	1196	975	983	920	1001	1031	991	1139	1234
35°	1479	1377	1315	1168	1023	1064	1036	1067	1204	1218	1309
37.5°	1859	1853	1711	1289	1180	1089	1109	1195	1285	1305	1428
40°	2173	2144	2054	1607	1283	1178	1258	1239	1334	1404	1522
42.5°	2406	2433	2382	1860	1490	1319	1343	1318	1406	1537	1657
45°	2629	2618	2653	2117	1689	1500	1498	1437	1538	1685	1843
47.5°	2811	2795	2831	2396	1918	1664	1678	1599	1696	1870	2119
50°	3014	2983	3007	2630	2217	1901	1882	1821	1876	2113	2456
52.5°	3258	3236	3193	2863	2525	2145	2121	2062	2122	2415	2829
55°	3477	3452	3417	3184	2781	2393	2394	2335	2452	2745	3262
57.5°	3705	3693	3711	3543	3147	2652	2658	2622	2832	3084	3721
60°	3894	3876	3976	3910	3472	2948	2924	2963	3220	3438	4186
62.5°	3966	3978	4167	4248	3787	3267	3276	3329	3579	3862	4634
65°	3628	3670	4198	4307	4138	3621	3664	3655	3947	4174	5012
67.5°	3261	3309	3883	4322	4410	4037	4059	3970	4264	4369	5294
70°	3001	3038	3510	4237	4577	4471	4481	4316	4494	4598	5284
72.5°	2551	2590	3026	3916	4681	4997	4997	4633	4680	4593	4666
75°	1724	1739	2096	3040	4412	5426	5478	4979	4616	4172	3480
76°	1238	1284	1583	2496	4007	5377	5572	5049	4491	3893	2864
77.5°	656	698	934	1598	3250	5000	5337	4834	4095	3342	2118
80°	257	254	321	569	1646	3803	4084	3563	2770	1936	1006
82.5°	141	155	204	301	714	2098	2307	1880	1414	893	588
85°	90	92	120	186	441	884	971	805	662	548	418
87.5°	54	56	63	86	218	260	284	334	380	377	361
90°	37	37	31	34	102	208	200	213	194	246	348
92.5°	36	36	30	31	87	231	232	231	205	251	366
95°	32	33	26	27	64	216	254	246	207	253	365
97.5°	27	28	20	23	43	146	189	193	129	128	165
100°	20	21	14	18	26	67	101	95	64	35	23
102.5°	19	20	12	14	16	23	37	28	24	20	20
105°	21	21	11	10	10	11	9	13	14	15	21
107.5°	18	19	8	8	7	7	6	6	8	13	23



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	14	14	7	7	5	6	6	5	7	10	18
112.5°	8	9	4	6	4	5	5	4	6	7	10
115°	8	8	4	3	3	3	4	4	5	7	11
117.5°	8	8	4	3	2	3	3	3	5	7	11
120°	8	8	4	2	2	2	2	3	5	7	11
122.5°	9	8	4	2	2	2	2	3	5	7	10
125°	9	8	4	2	2	2	2	3	4	6	9
127.5°	9	8	4	2	2	2	2	3	4	6	8
130°	8	8	4	2	2	2	2	3	4	6	8
132.5°	8	7	4	2	2	2	2	3	4	5	7
135°	7	6	4	2	3	2	3	3	4	5	6
137.5°	6	6	4	3	3	3	3	3	4	5	5
140°	7	6	4	4	3	3	3	3	4	5	5
142.5°	8	7	5	4	4	3	3	4	4	5	5
145°	8	8	6	5	3	3	3	4	5	5	6
147.5°	9	8	6	5	3	2	3	3	5	6	6
150°	8	8	5	4	2	1	2	3	5	6	6
152.5°	6	6	4	2	1	1	2	3	4	5	6
155°	4	4	2	1	0	1	1	2	3	4	5
157.5°	2	2	1	0	0	1	1	2	3	4	4
160°	1	0	0	0	0	1	1	2	2	3	3
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°	5	5	5	5	5	5	5	5	5	5	5
2.5°	6	5	5	4	4	3	3	3	3	4	5
5°	6	6	5	5	5	4	4	6	7	8	8
7.5°	6	6	6	5	6	8	32	92	101	107	109
10°	11	10	9	8	15	102	126	137	142	147	147
12.5°	105	105	43	24	103	137	144	152	159	166	167
15°	228	225	217	199	172	155	162	240	282	301	298
17.5°	261	257	252	287	299	239	279	310	319	329	328
20°	484	479	373	334	327	401	319	326	342	436	439
22.5°	542	536	499	509	382	435	421	441	492	507	509
25°	635	611	566	532	541	454	524	491	510	528	531
27.5°	879	865	785	596	552	568	546	534	638	676	679
30°	947	933	833	690	582	582	550	666	671	691	696
32.5°	1287	1259	1059	701	604	556	623	656	736	796	806
35°	1366	1342	1093	801	584	579	588	691	750	786	794
37.5°	1448	1421	1089	763	619	552	572	646	731	824	836
40°	1560	1527	1094	714	580	522	537	620	678	736	746
42.5°	1710	1644	1103	670	535	509	512	560	587	611	611
45°	1912	1805	1106	624	490	479	483	505	515	500	493
47.5°	2183	2004	1143	583	452	446	449	456	451	412	405
50°	2499	2238	1163	547	424	423	418	418	400	356	353
52.5°	2848	2517	1180	503	404	409	409	388	361	326	323
55°	3291	2839	1205	465	387	386	397	371	343	313	313
57.5°	3731	3180	1235	432	368	370	386	365	350	338	337
60°	4171	3532	1187	402	361	357	383	388	370	377	384
62.5°	4584	3757	994	376	348	354	409	440	434	427	429
65°	4779	3803	806	353	339	375	451	498	478	455	453
67.5°	4812	3684	593	339	334	412	484	511	481	472	464
70°	4580	3382	474	324	338	418	505	508	486	496	486
72.5°	3895	2817	415	310	339	403	505	509	484	513	508
75°	2789	1975	369	298	328	386	498	508	478	510	502
76°	2272	1567	356	301	323	380	496	505	479	508	500
77.5°	1501	1024	334	299	314	377	491	501	478	502	494
80°	803	580	301	279	303	379	487	491	459	486	476
82.5°	529	432	260	253	292	382	485	479	443	486	459
85°	415	357	195	203	266	369	479	462	429	441	425
87.5°	352	294	117	145	233	314	425	382	363	375	368
90°	331	260	66	102	175	209	268	249	241	255	252
92.5°	334	254	65	97	187	225	277	255	231	231	228
95°	319	237	64	77	169	219	260	229	186	177	174
97.5°	139	115	60	59	97	151	189	164	123	96	96
100°	23	37	52	57	57	80	107	101	59	31	32
102.5°	24	21	36	47	37	33	49	61	39	12	13
105°	25	22	18	33	21	11	15	28	18	12	12
107.5°	27	23	11	12	9	9	8	7	9	12	13



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21	19	10	9	8	9	6	6	7	12	13
112.5°	12	12	9	7	7	8	5	5	7	13	13
115°	12	12	8	6	5	6	5	4	7	13	14
117.5°	12	12	8	6	5	4	4	4	7	13	14
120°	12	11	7	5	5	3	3	3	6	13	14
122.5°	11	11	7	5	4	3	3	3	6	12	13
125°	10	10	7	5	4	3	2	3	6	11	12
127.5°	9	9	6	5	4	3	2	3	6	11	12
130°	8	8	6	4	4	2	2	2	6	10	11
132.5°	7	7	5	4	3	2	1	2	5	9	9
135°	6	6	5	4	3	2	1	2	4	7	8
137.5°	5	5	4	4	3	2	1	2	3	6	6
140°	5	5	4	4	3	2	1	2	3	5	6
142.5°	5	5	4	4	3	2	1	2	3	5	6
145°	6	5	5	4	3	2	1	2	4	6	6
147.5°	6	6	5	4	3	2	1	2	4	6	6
150°	6	6	5	4	3	1	0	1	3	5	6
152.5°	6	5	4	3	2	1	0	0	2	4	4
155°	5	4	4	3	2	1	0	0	1	2	2
157.5°	4	4	3	2	1	1	0	0	0	1	1
160°	3	3	2	2	1	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)