

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: P416762

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9029 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 83
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

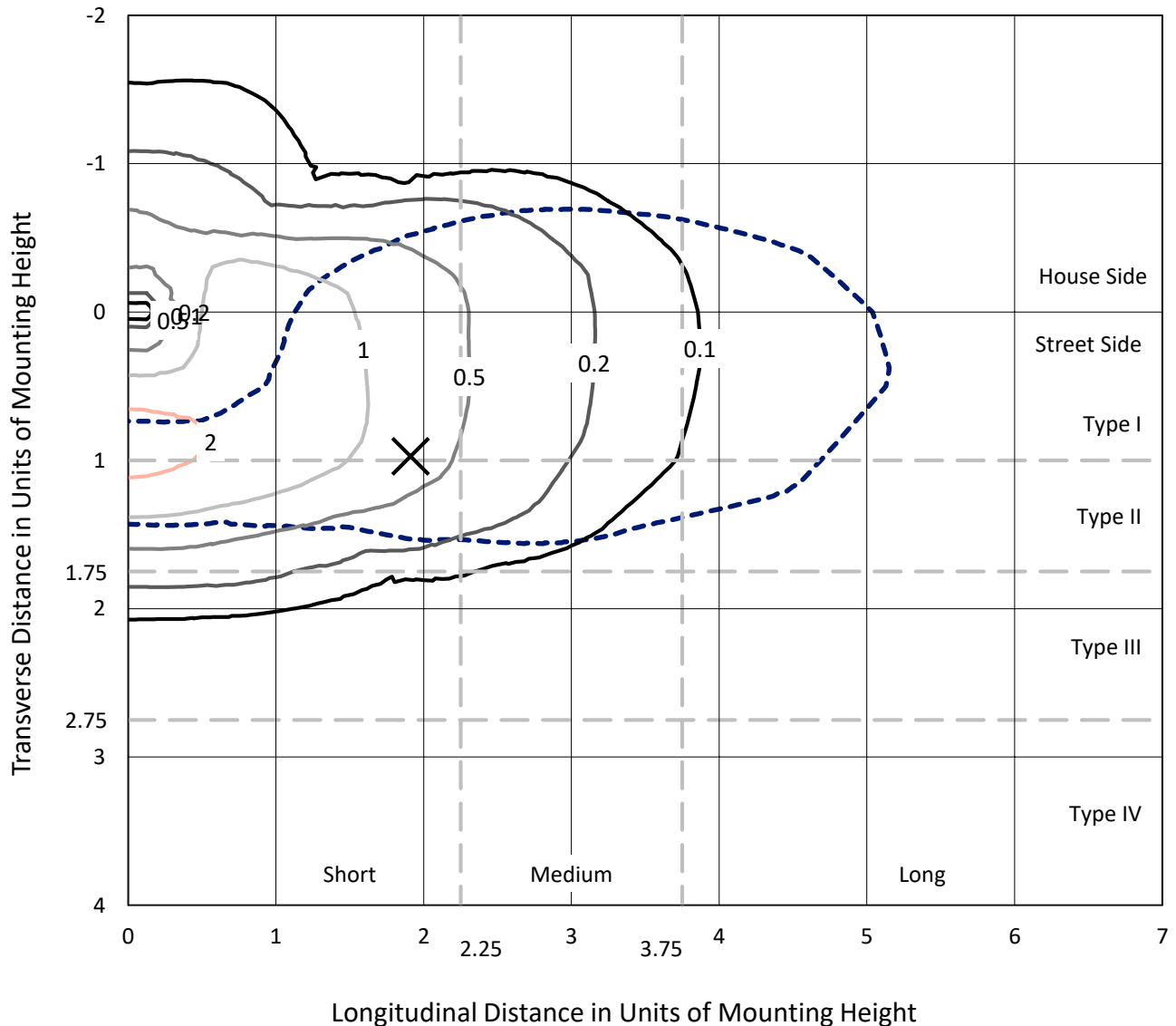


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

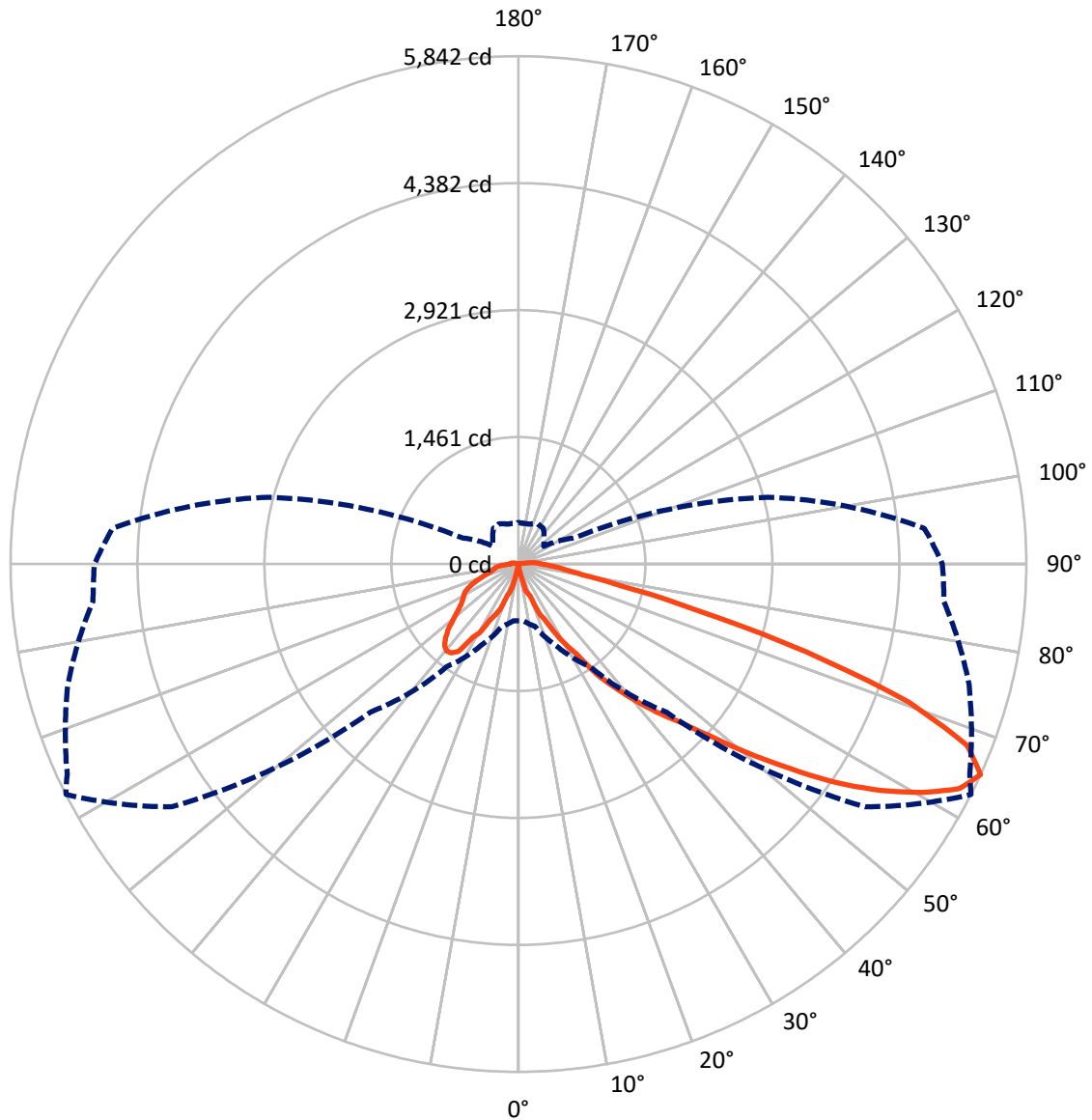


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2569.6	74.6	2644.1
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	6315.4	69.5	6384.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	8885.0	144.1	9029.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	81.1	0.9
20°-30°	331.7	3.7
30°-40°	861.9	9.5
40°-50°	1638.9	18.2
50°-60°	2206.2	24.4
60°-70°	2090.0	23.1
70°-80°	1309.7	14.5
80°-90°	359.6	4.0
90°-100°	100.6	1.1
100°-110°	18.7	0.2
110°-120°	9.0	0.1
120°-130°	6.6	0.1
130°-140°	4.3	0.0
140°-150°	3.5	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8885.0	98.4
0°-180°	9029.0	100.0



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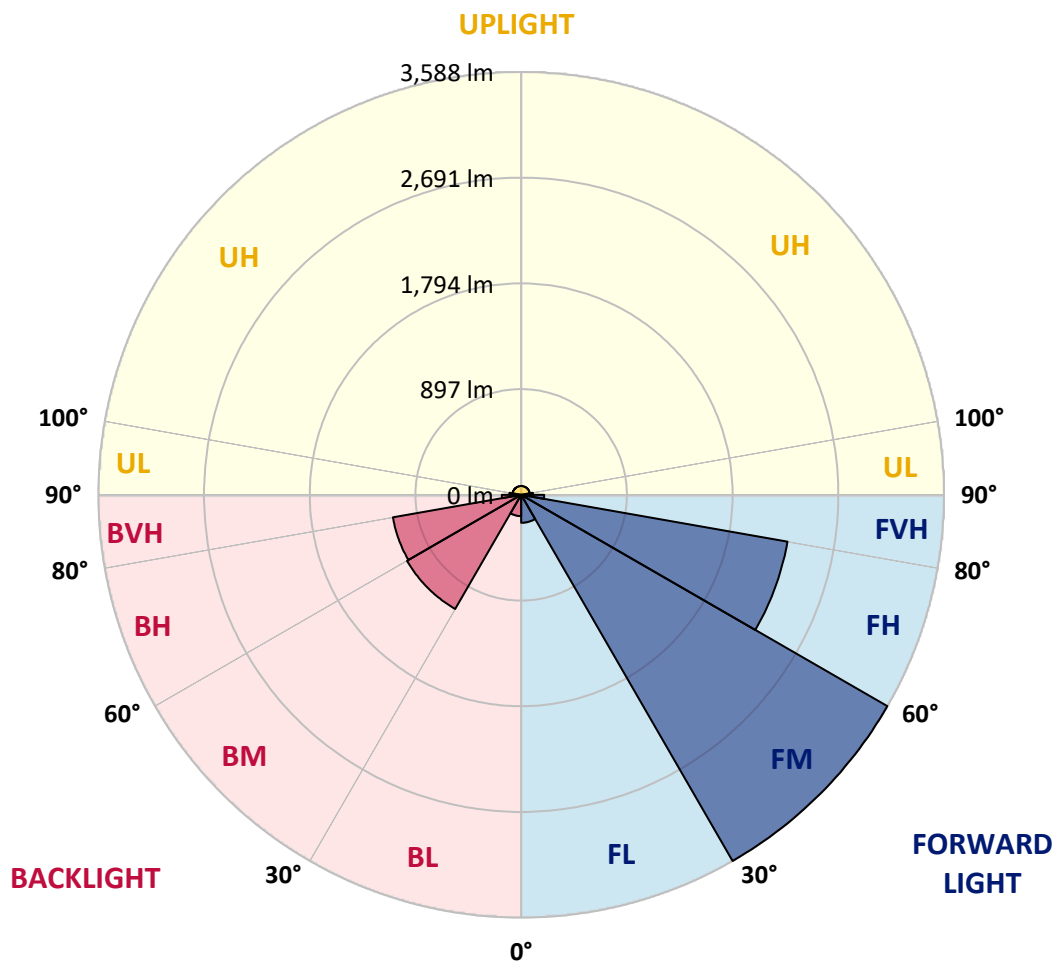
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.6	2.6			
FM (30°-60°)	3588.3	39.7			
FH (60°-80°)	2294.5	25.4			G2/5000
FVH (80°-90°)	195.1	2.2			G2/225
BL (0°-30°)	181.0	2.0	B1/500		
BM (30°-60°)	1118.7	12.4	B2/2500		
BH (60°-80°)	1105.3	12.2	B3/2500		G3/2500
BVH (80°-90°)	164.6	1.8			G2/225
UL (90°-100°)	100.6	1.1		U3/500	
UH (100°-180°)	74.6	0.8		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	7	7	7	7	7	7	7	7	7	7	7
2.5°	12	11	12	12	11	10	9	8	7	5	4
5°	141	142	140	137	49	22	13	10	9	6	5
7.5°	162	161	160	158	151	142	77	18	14	8	5
10°	178	176	171	170	163	158	146	94	79	14	10
12.5°	324	317	311	257	180	170	163	142	139	89	133
15°	339	340	336	330	316	212	264	320	319	276	272
17.5°	385	382	367	352	347	377	374	357	357	316	299
20°	595	590	581	484	431	487	457	398	400	488	530
22.5°	689	687	669	626	610	537	602	623	611	618	592
25°	943	933	854	778	787	725	724	711	704	673	720
27.5°	1200	1192	1174	1067	909	874	818	893	873	945	961
30°	1590	1517	1365	1293	1241	1074	1058	1081	1075	1055	1037
32.5°	1996	1966	1877	1614	1449	1353	1306	1235	1202	1417	1432
35°	2420	2392	2174	2021	1738	1582	1556	1566	1522	1627	1602
37.5°	3166	3152	2933	2458	2162	1857	1821	1809	1740	1816	1817
40°	3645	3622	3380	3030	2553	2299	2124	2055	2037	2041	2042
42.5°	4001	3964	3823	3501	3003	2705	2458	2325	2361	2291	2287
45°	4232	4212	4084	3815	3470	3322	2885	2585	2706	2581	2575
47.5°	4284	4275	4186	4051	3907	3845	3400	2941	3052	2997	2885
50°	4058	4066	4033	4082	4239	4310	3943	3413	3474	3343	3200
52.5°	3564	3563	3683	3900	4361	4645	4446	3904	3901	3664	3502
55°	2861	2915	3118	3455	4194	4799	4923	4444	4360	4039	3771
57.5°	2180	2250	2499	2805	3719	4690	5270	4913	4826	4377	4056
60°	1475	1502	1816	2170	2958	4271	5433	5336	5240	4722	4344
62.5°	983	1007	1187	1618	2121	3471	5328	5693	5566	5130	4645
65°	654	654	743	1041	1443	2410	4868	5842	5727	5366	4912
67.5°	482	490	519	671	983	1442	3872	5567	5579	5393	4997
70°	437	442	467	506	702	858	2559	4769	4976	5189	4888
72.5°	382	384	424	466	553	658	1488	3466	3901	4745	4588
75°	320	323	355	418	478	552	792	2110	2543	4074	4191
77.5°	260	267	293	342	439	463	608	1206	1473	3034	3543
80°	200	207	230	269	359	409	505	742	893	1886	2476
82.5°	137	142	165	194	257	341	418	547	591	1032	1366
85°	97	100	115	128	160	224	349	434	446	547	556
87.5°	55	54	56	65	73	87	206	318	333	381	354
90°	38	37	31	30	34	37	117	253	266	307	315
92.5°	40	38	30	28	32	34	78	221	249	307	324
95°	38	36	27	24	29	30	48	152	196	287	317
97.5°	33	31	22	20	24	24	27	70	96	134	151
100°	27	25	18	16	17	18	17	35	35	37	29
102.5°	24	23	15	13	12	12	11	17	18	20	25
105°	21	20	13	11	9	9	8	11	12	17	24
107.5°	15	15	11	9	8	8	6	9	10	15	25
110°	10	10	8	8	7	8	6	9	9	12	19



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	8	8	7	6	5	6	7	8	8	9	12
115°	8	7	6	5	4	5	5	7	7	9	12
117.5°	8	8	6	5	4	4	5	6	6	9	13
120°	8	8	6	5	4	3	4	6	6	8	12
122.5°	8	8	6	5	4	3	4	5	5	7	12
125°	9	9	7	5	4	3	4	4	4	7	11
127.5°	9	9	7	5	4	3	4	4	4	6	9
130°	9	9	7	5	4	3	4	3	3	5	8
132.5°	9	8	7	6	5	4	4	3	3	3	6
135°	8	8	7	6	5	4	4	3	3	3	4
137.5°	8	8	8	7	6	5	4	3	3	3	3
140°	9	9	9	8	6	5	4	3	3	3	3
142.5°	10	10	10	9	6	5	5	3	3	3	3
145°	11	11	11	9	6	5	5	4	4	3	4
147.5°	12	12	11	9	5	4	4	4	4	4	4
150°	11	10	10	7	4	2	3	3	3	4	4
152.5°	8	8	7	5	3	1	2	2	3	3	3
155°	5	5	4	3	2	1	1	2	2	2	2
157.5°	2	2	2	2	1	1	1	1	1	1	1
160°	1	1	1	1	1	1	1	1	1	1	1
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°	7	7	7	7	7	7	7	7	7	7	7
2.5°	4	4	5	6	6	7	7	7	7	7	7
5°	4	4	5	6	7	8	9	9	9	10	10
7.5°	5	5	5	7	8	11	30	90	139	143	145
10°	10	10	10	10	22	128	159	166	170	173	173
12.5°	134	133	48	24	110	166	176	181	185	188	189
15°	272	273	273	276	200	181	191	282	334	344	348
17.5°	298	298	297	331	372	294	328	358	368	373	375
20°	544	543	438	380	393	488	367	381	389	464	466
22.5°	600	597	584	587	463	528	503	488	535	533	535
25°	737	665	637	631	671	549	583	505	517	515	517
27.5°	965	939	874	739	715	678	584	530	596	611	613
30°	1035	1002	933	939	797	690	569	587	564	562	558
32.5°	1419	1376	1272	1024	888	648	572	534	546	586	588
35°	1581	1532	1459	1307	861	636	523	521	529	530	528
37.5°	1765	1701	1632	1377	899	576	488	489	507	542	538
40°	1979	1908	1796	1418	807	540	465	480	499	491	484
42.5°	2220	2104	1928	1410	702	498	459	469	466	451	447
45°	2469	2346	2057	1343	607	471	448	451	439	420	416
47.5°	2756	2594	2130	1245	531	469	445	435	412	395	394
50°	3045	2868	2244	1114	474	461	452	431	403	386	384
52.5°	3328	3173	2367	1004	431	452	455	433	403	378	377
55°	3612	3476	2500	917	402	451	466	439	409	372	371
57.5°	3897	3765	2628	859	389	438	473	458	425	394	396
60°	4235	4079	2779	818	384	431	479	480	435	400	405
62.5°	4567	4409	2907	780	371	424	482	497	457	427	432
65°	4876	4688	2966	707	355	416	500	512	474	471	477
67.5°	4994	4819	2908	616	345	416	519	533	492	508	524
70°	4880	4734	2762	502	348	419	522	543	518	531	545
72.5°	4526	4340	2407	404	348	415	509	527	508	551	565
75°	4079	3755	1916	333	338	413	479	500	481	526	541
77.5°	3369	2954	1325	294	324	395	448	452	433	460	467
80°	2376	1991	839	266	310	357	397	390	371	376	382
82.5°	1325	1053	489	245	291	297	325	327	302	303	304
85°	526	487	331	206	235	214	243	253	229	201	195
87.5°	349	331	231	141	144	121	158	164	135	117	116
90°	332	322	199	95	80	66	88	85	65	57	58
92.5°	342	336	202	91	78	63	78	67	49	43	44
95°	337	334	197	89	74	58	66	54	38	34	34
97.5°	160	169	122	80	66	49	51	41	27	25	24
100°	24	38	66	74	49	34	33	27	17	16	16
102.5°	25	27	41	51	27	18	18	16	13	15	15
105°	27	25	24	28	16	11	10	10	11	16	17
107.5°	29	27	19	15	12	10	8	7	10	17	18
110°	22	21	16	12	12	11	7	7	11	18	20



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13	15	14	11	10	10	7	7	11	19	21
115°	14	14	12	9	8	8	7	6	11	20	21
117.5°	14	14	12	9	7	6	6	6	11	20	21
120°	14	14	12	8	7	6	6	6	11	19	21
122.5°	13	13	11	8	6	6	6	6	11	18	19
125°	12	12	10	7	6	5	6	6	10	16	17
127.5°	10	11	9	7	6	5	6	6	9	14	15
130°	9	9	8	6	5	5	6	6	9	13	14
132.5°	7	7	6	6	5	5	5	5	7	11	11
135°	5	5	5	5	5	5	5	5	6	8	9
137.5°	4	4	5	5	5	5	5	5	5	7	7
140°	3	4	4	5	5	5	5	5	5	6	6
142.5°	3	4	4	5	5	5	5	5	6	7	7
145°	4	4	5	5	5	4	5	5	6	7	7
147.5°	4	4	5	5	5	4	4	5	6	7	7
150°	4	4	5	5	4	3	4	4	5	7	7
152.5°	4	4	4	4	3	2	3	3	4	5	5
155°	3	3	3	3	3	2	2	2	3	3	4
157.5°	2	2	2	3	2	2	1	1	1	2	2
160°	1	1	2	2	2	2	1	1	1	1	1
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)