

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: P694622

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2816.1 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U2 - G1

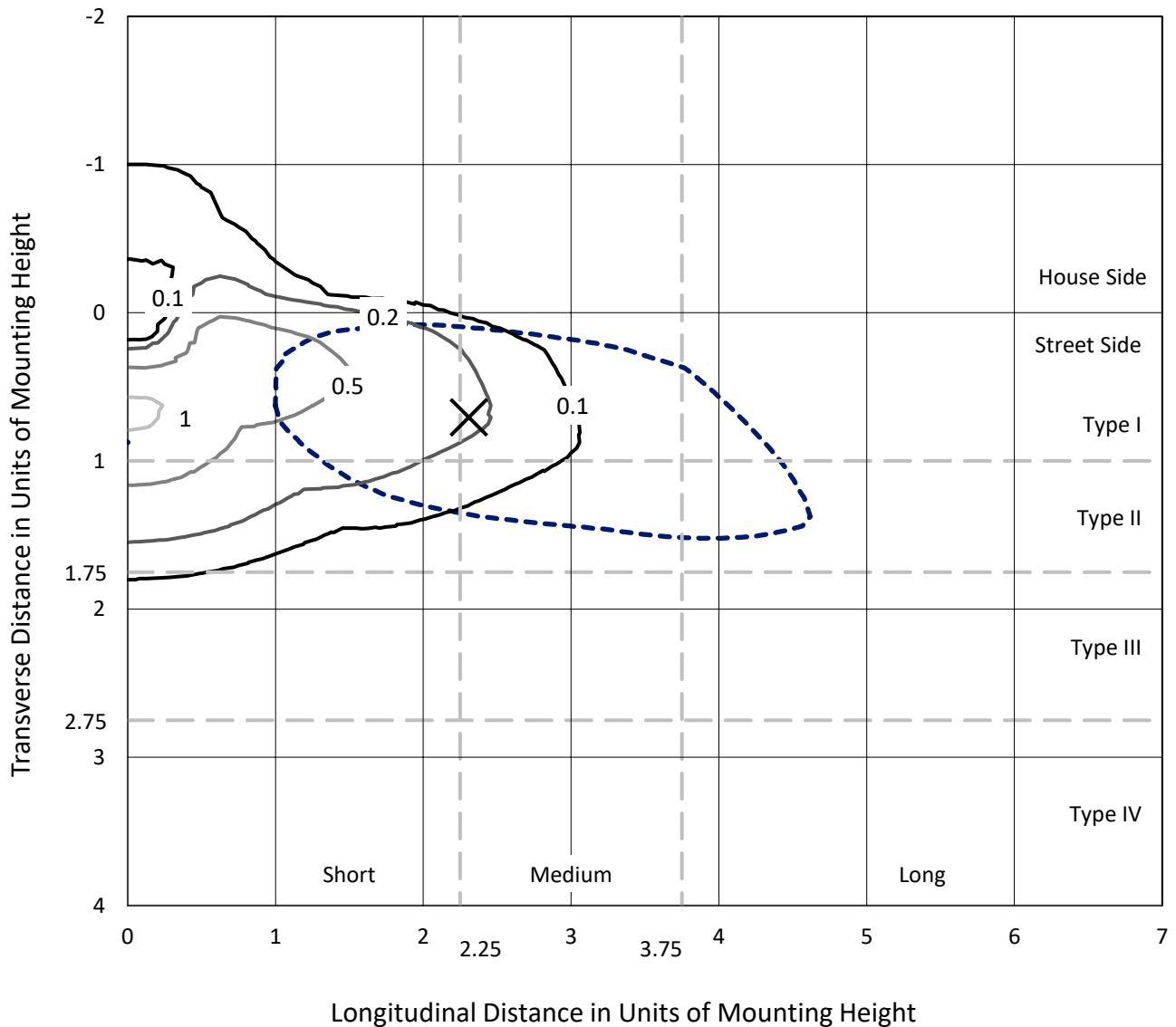
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

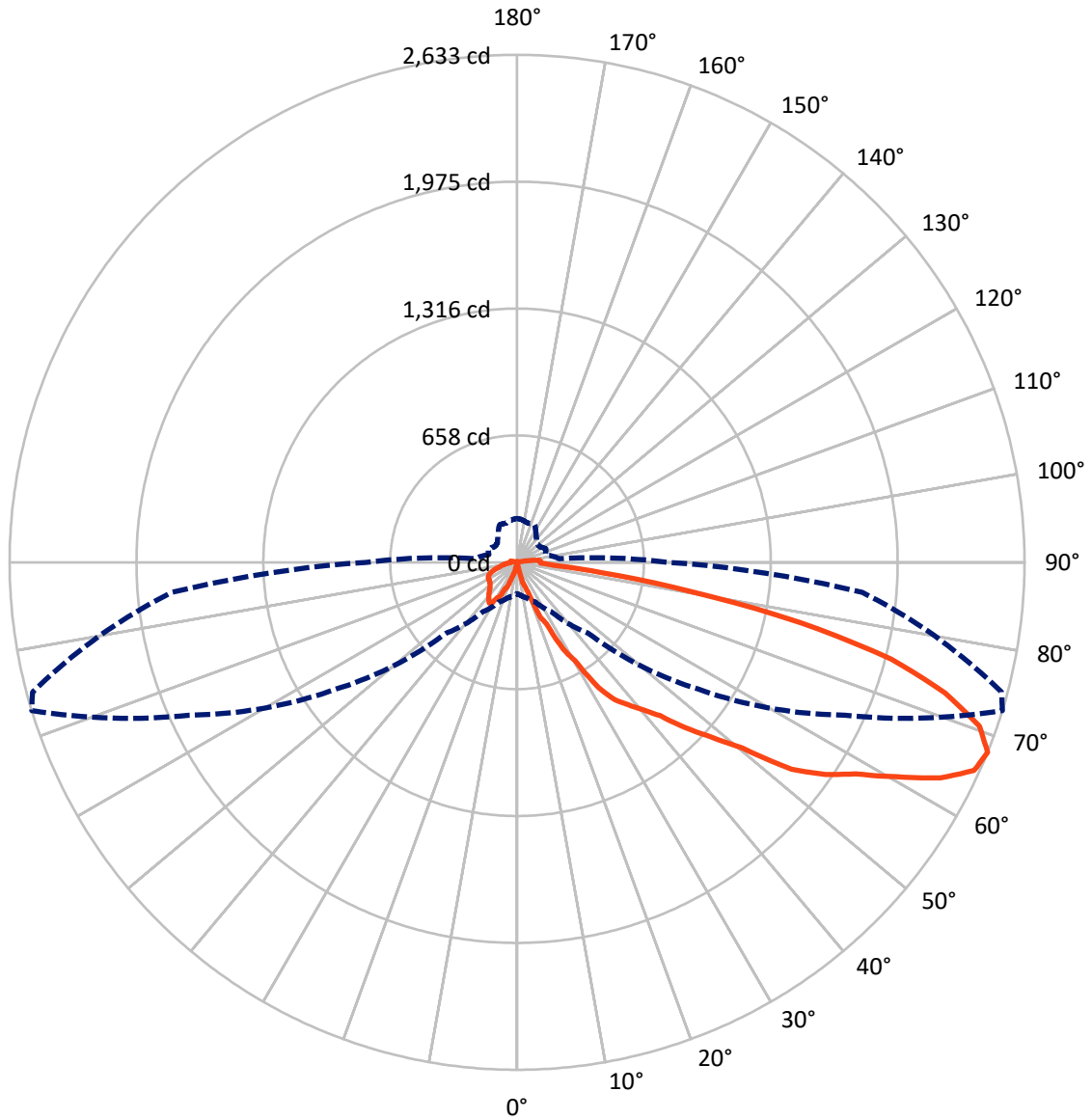
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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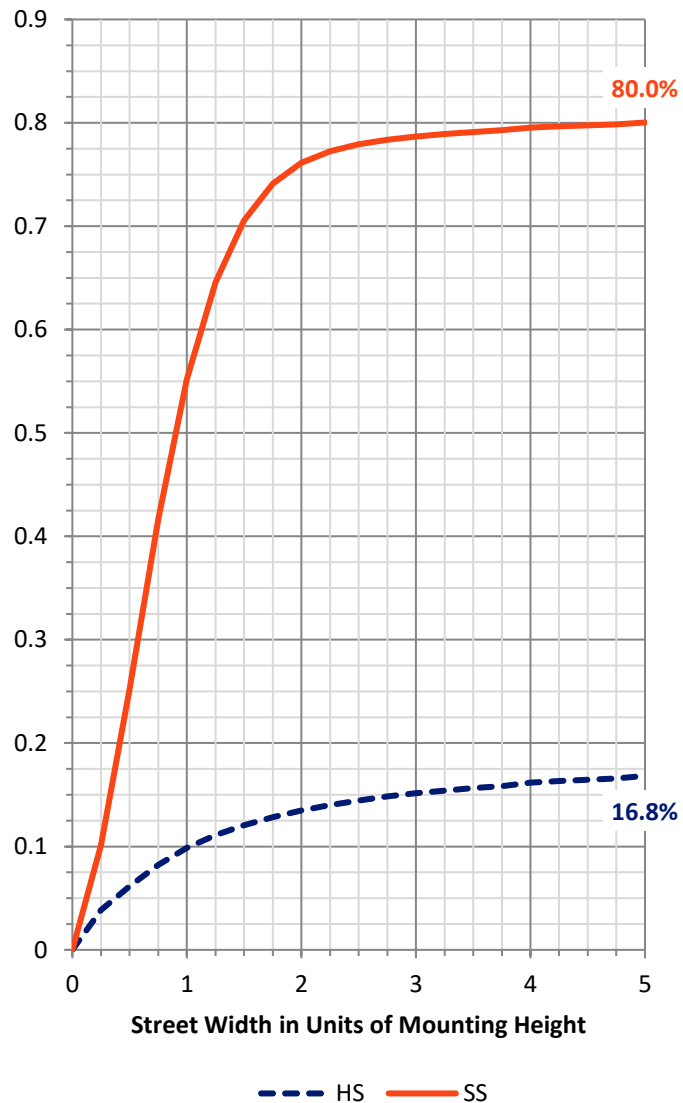
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	497.8	21.2	519.0
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	2271.0	26.0	2297.1
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	2768.8	47.2	2816.1
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	22.8	0.8
20°-30°	140.9	5.0
30°-40°	354.6	12.6
40°-50°	512.0	18.2
50°-60°	626.2	22.2
60°-70°	617.4	21.9
70°-80°	388.4	13.8
80°-90°	106.2	3.8
90°-100°	30.9	1.1
100°-110°	6.6	0.2
110°-120°	3.4	0.1
120°-130°	2.8	0.1
130°-140°	2.0	0.1
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2768.8	98.3
0°-180°	2816.1	100.0

**Coefficient of Utilization**

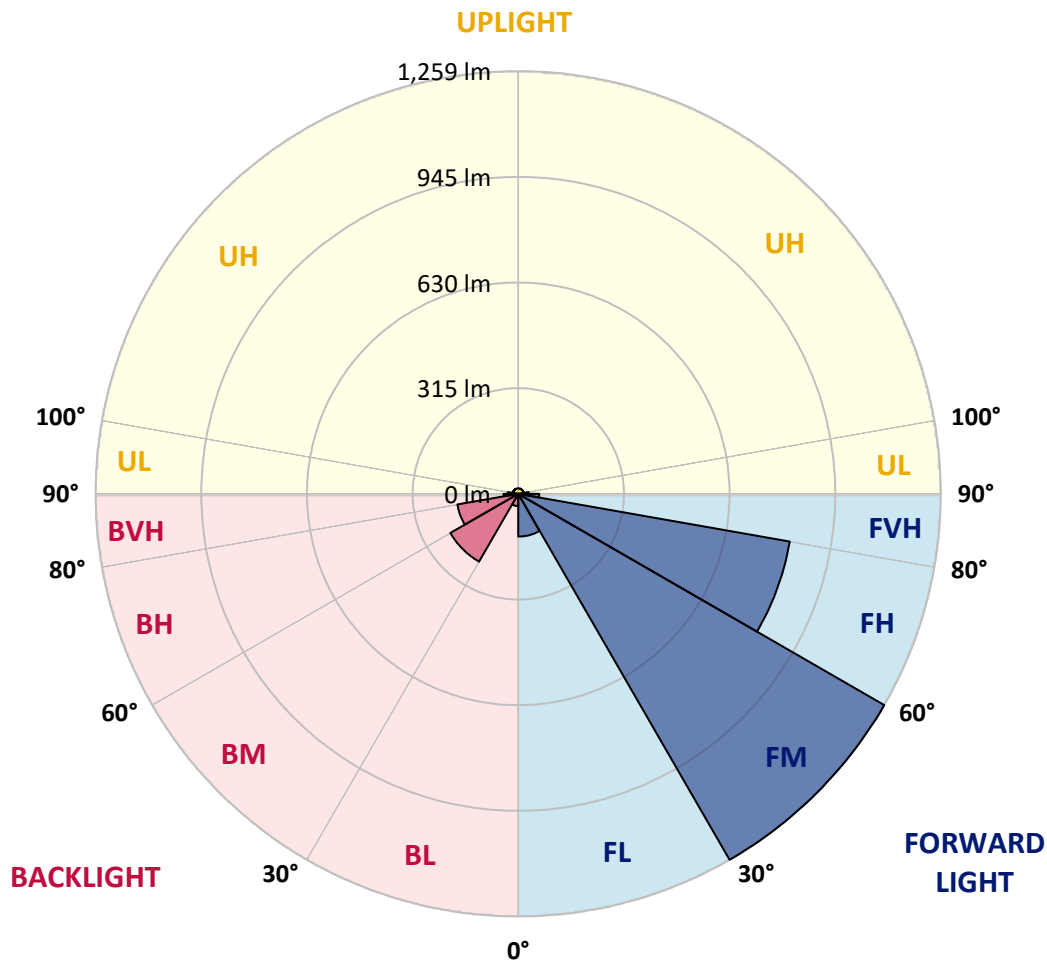


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.4	4.5			
FM (30°-60°)	1259.3	44.7			
FH (60°-80°)	821.7	29.2			G1/1800
FVH (80°-90°)	62.6	2.2			G1/100
BL (0°-30°)	36.5	1.3	B0/110		
BM (30°-60°)	233.5	8.3	B1/1000		
BH (60°-80°)	184.1	6.5	B1/500		G1/500
BVH (80°-90°)	43.6	1.5			G1/100
UL (90°-100°)	30.9	1.1		U2/50	
UH (100°-180°)	16.4	0.6		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	2	2	2	2	2	2	2	2	2	2	2
2.5°	3	3	3	3	3	3	3	3	2	2	2
5°	3	3	3	3	3	3	3	3	2	2	2
7.5°	4	5	4	4	4	4	4	3	2	2	2
10°	17	16	11	10	6	5	4	3	3	3	3
12.5°	134	133	130	117	20	10	6	8	11	13	15
15°	154	156	153	150	145	48	21	116	108	104	80
17.5°	278	208	183	179	168	141	128	142	129	125	97
20°	382	380	373	360	202	257	246	167	169	179	191
22.5°	427	425	416	402	420	296	279	310	307	298	231
25°	700	691	642	468	469	413	428	399	352	343	269
27.5°	759	764	752	683	537	550	470	459	512	527	407
30°	1015	1039	924	779	704	601	576	630	592	575	445
32.5°	1186	1175	1153	972	799	720	719	695	775	773	625
35°	1254	1245	1223	1065	919	845	782	864	877	844	667
37.5°	1305	1295	1269	1099	1015	896	922	926	938	931	704
40°	1308	1302	1284	1147	1068	936	999	1008	1005	1023	751
42.5°	1297	1285	1274	1156	1096	967	1058	1110	1088	1114	806
45°	1254	1240	1235	1156	1092	988	1127	1206	1223	1200	866
47.5°	1181	1178	1180	1129	1088	1012	1193	1279	1353	1317	954
50°	1107	1112	1126	1098	1076	1026	1277	1405	1514	1465	1086
52.5°	990	997	1037	1048	1042	1025	1342	1575	1784	1716	1223
55°	883	887	914	954	977	1004	1368	1650	1943	1866	1312
57.5°	761	753	788	846	898	975	1395	1709	2071	2029	1428
60°	616	599	650	704	783	915	1412	1811	2259	2235	1597
62.5°	415	423	474	547	657	814	1393	1904	2463	2449	1738
65°	261	272	305	368	480	685	1313	1948	2605	2581	1819
67.5°	163	170	191	229	315	519	1147	1877	2633	2602	1799
70°	135	137	140	149	194	359	912	1693	2544	2549	1716
72.5°	121	123	123	122	125	225	650	1436	2322	2322	1551
75°	111	112	109	108	106	140	397	1138	2005	1967	1296
77.5°	98	100	97	97	96	107	230	868	1502	1438	874
80°	84	84	84	84	85	85	144	596	905	834	472
82.5°	67	66	68	72	70	65	111	347	439	398	233
85°	26	32	37	45	47	45	85	171	187	200	144
87.5°	15	15	12	12	13	18	53	103	121	136	127
90°	16	16	12	11	11	15	46	94	123	137	129
92.5°	17	17	12	11	11	12	38	84	122	140	126
95°	15	16	11	10	11	11	28	67	113	115	118
97.5°	10	11	7	8	10	9	15	39	60	46	55
100°	6	7	5	6	7	7	8	17	15	10	10
102.5°	6	6	4	5	5	4	4	7	6	6	10
105°	6	6	4	4	3	3	3	5	5	6	10
107.5°	4	5	3	3	3	3	2	3	5	5	11
110°	3	3	2	2	2	3	2	3	4	5	8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	2	3	2	2	2	2	2	3	4	4	5
115°	2	2	2	2	2	2	2	3	3	4	6
117.5°	3	3	2	2	1	2	2	2	3	4	6
120°	3	3	2	2	1	1	2	2	4	4	6
122.5°	3	3	2	1	1	1	2	2	3	4	6
125°	3	3	2	1	1	1	2	2	3	4	5
127.5°	3	3	2	1	1	1	2	2	3	3	5
130°	3	3	2	1	1	1	2	2	3	3	5
132.5°	2	2	2	2	2	2	2	2	2	3	4
135°	2	2	2	2	2	2	2	2	2	2	3
137.5°	2	2	2	2	2	2	2	2	2	2	2
140°	3	3	3	2	2	2	2	2	2	2	2
142.5°	3	3	3	3	3	2	2	2	2	2	2
145°	4	4	4	3	3	2	2	2	2	2	2
147.5°	4	4	4	3	3	2	2	2	2	2	2
150°	4	5	4	3	2	2	2	2	2	2	2
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°	2	2	2	2	2	2	2	2	2	2	2
2.5°	2	2	2	2	2	2	2	2	3	3	3
5°	2	2	2	1	1	1	1	2	2	2	2
7.5°	2	2	2	1	1	1	1	2	2	2	2
10°	3	2	2	1	1	1	1	1	2	2	1
12.5°	15	15	11	5	2	1	1	1	3	3	3
15°	73	66	59	52	14	2	2	9	34	48	50
17.5°	85	77	69	63	56	21	23	60	62	63	62
20°	164	146	95	72	62	65	57	64	69	71	71
22.5°	195	168	144	126	74	89	83	74	115	118	119
25°	226	191	155	134	129	92	98	113	122	124	123
27.5°	330	272	217	145	137	115	123	119	130	159	162
30°	355	283	221	176	144	135	127	155	168	168	169
32.5°	492	378	272	176	159	136	152	162	170	182	178
35°	515	382	269	204	159	143	157	167	204	208	207
37.5°	534	378	254	198	172	152	160	191	206	205	203
40°	555	372	239	194	171	153	171	192	201	196	191
42.5°	579	363	226	185	167	154	172	187	186	183	180
45°	610	353	211	177	165	152	169	174	181	179	177
47.5°	656	343	198	170	163	149	171	177	183	178	177
50°	724	329	187	168	162	158	157	182	187	175	173
52.5°	770	313	181	166	159	154	167	180	185	171	170
55°	801	290	176	166	157	145	181	184	184	168	166
57.5°	835	274	173	169	156	135	189	188	184	163	164
60°	884	264	170	172	156	138	186	197	184	166	172
62.5°	912	254	168	173	154	138	180	210	199	186	187
65°	873	241	162	172	151	141	174	215	213	207	208
67.5°	784	219	151	165	141	143	171	215	211	224	227
70°	685	193	135	153	134	141	178	208	208	232	237
72.5°	580	158	117	140	134	137	186	200	200	232	231
75°	476	126	98	120	124	137	185	191	186	212	207
77.5°	348	100	84	101	112	137	179	178	170	182	180
80°	214	79	71	86	94	131	169	162	148	154	152
82.5°	124	59	60	73	75	120	153	141	126	129	126
85°	80	38	47	56	59	98	131	119	102	132	126
87.5°	62	22	32	37	36	43	75	71	70	57	55
90°	58	19	32	32	26	21	29	30	25	27	24
92.5°	52	19	34	32	23	17	24	24	19	18	17
95°	43	17	36	33	21	15	20	19	15	14	13
97.5°	23	11	34	30	19	14	18	16	11	10	9
100°	8	7	33	26	16	11	13	12	7	6	5
102.5°	7	6	19	19	10	6	8	8	6	5	5
105°	8	6	7	10	5	3	4	5	5	6	6
107.5°	8	6	5	5	4	3	3	3	5	6	6
110°	7	6	4	5	4	3	3	3	5	7	7

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5	5	4	4	3	3	3	3	5	7	8
115°	5	5	3	3	3	3	2	3	5	8	9
117.5°	6	5	3	3	2	2	2	3	6	9	10
120°	6	5	3	3	2	2	2	3	6	10	10
122.5°	6	5	3	3	2	2	2	3	6	10	10
125°	5	5	3	3	2	2	2	3	6	10	10
127.5°	5	4	3	2	2	2	2	3	6	9	10
130°	4	4	3	2	2	2	2	3	6	9	9
132.5°	4	4	3	2	2	2	2	3	5	8	8
135°	3	3	2	2	2	2	2	3	4	6	6
137.5°	2	2	2	2	2	2	2	2	3	4	4
140°	2	2	2	2	2	2	2	2	3	3	3
142.5°	2	2	2	2	2	1	2	2	3	3	3
145°	2	2	2	2	1	1	2	2	3	3	2
147.5°	2	2	2	2	1	1	1	2	3	3	2
150°	2	2	2	1	1	1	1	2	3	3	2
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)