

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: P694617

Luminaire Tested: **LXF.LXT-PA16-20-750-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
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-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2730.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G2

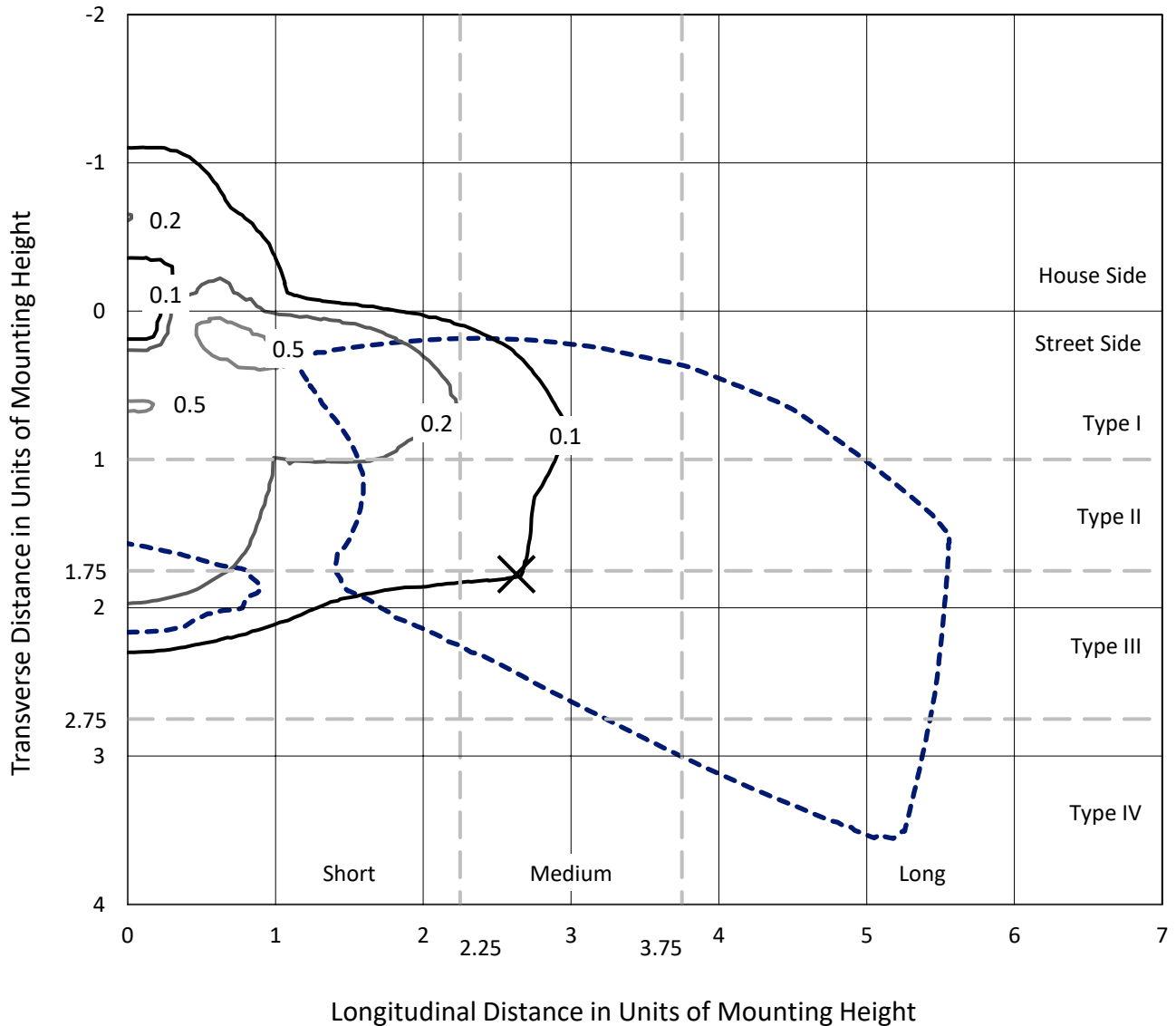
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

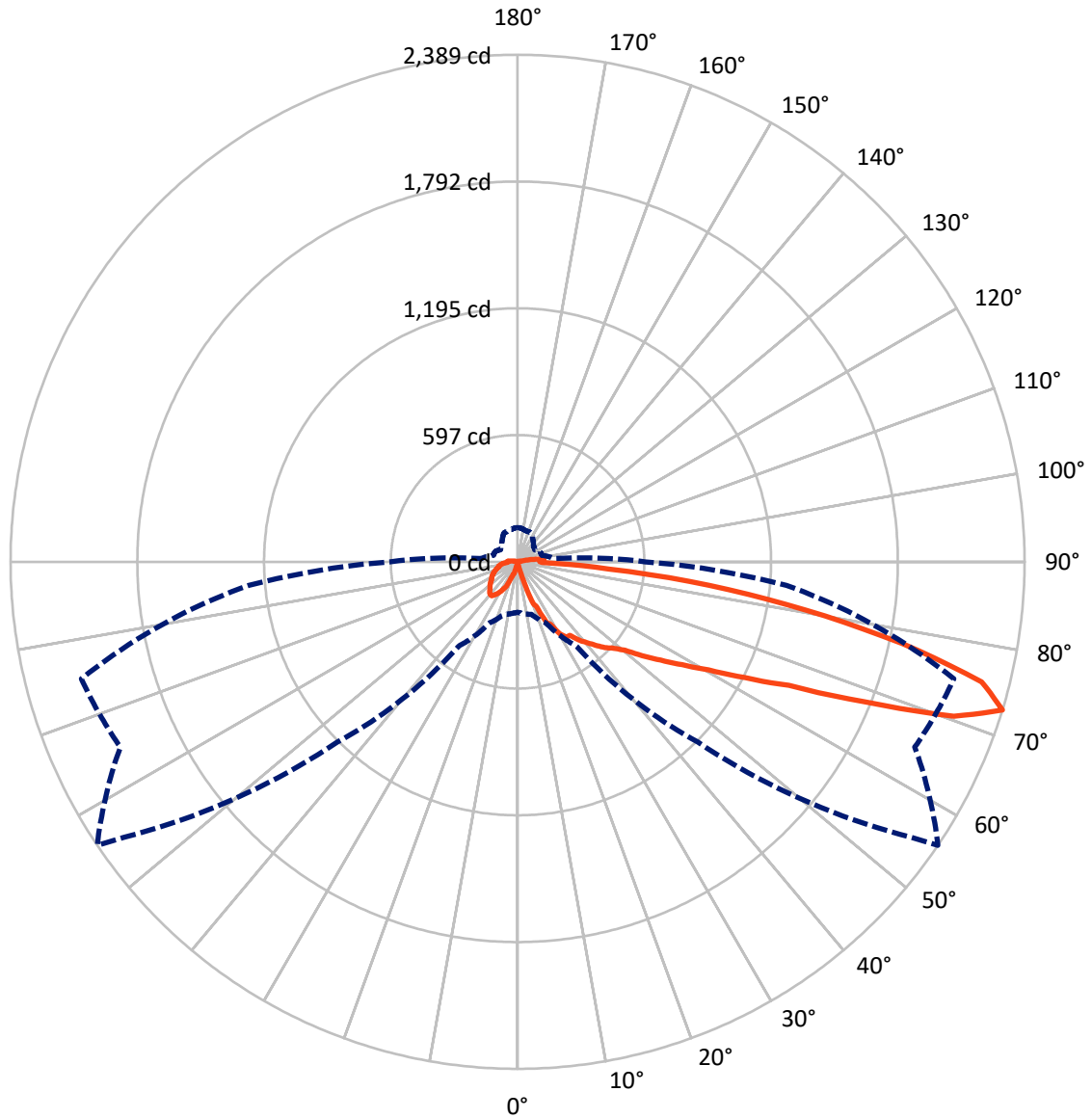
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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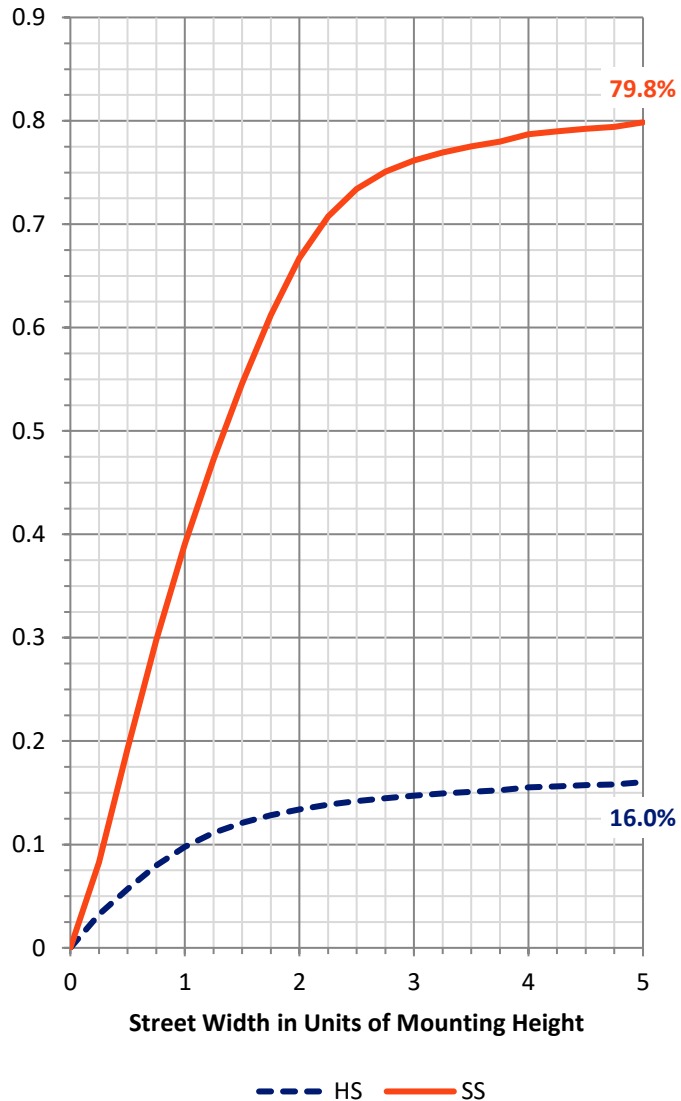
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.5	29.6	496.1
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	2203.7	31.1	2234.9
	% Fixture	80.7	1.1	81.8
Total	Lumens	2670.2	60.7	2730.9
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	22.4	0.8
20°-30°	105.6	3.9
30°-40°	232.4	8.5
40°-50°	348.5	12.8
50°-60°	513.2	18.8
60°-70°	712.6	26.1
70°-80°	574.2	21.0
80°-90°	160.9	5.9
90°-100°	43.3	1.6
100°-110°	8.4	0.3
110°-120°	3.3	0.1
120°-130°	2.5	0.1
130°-140°	1.7	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2670.2	97.8
0°-180°	2730.9	100.0

Coefficient of Utilization

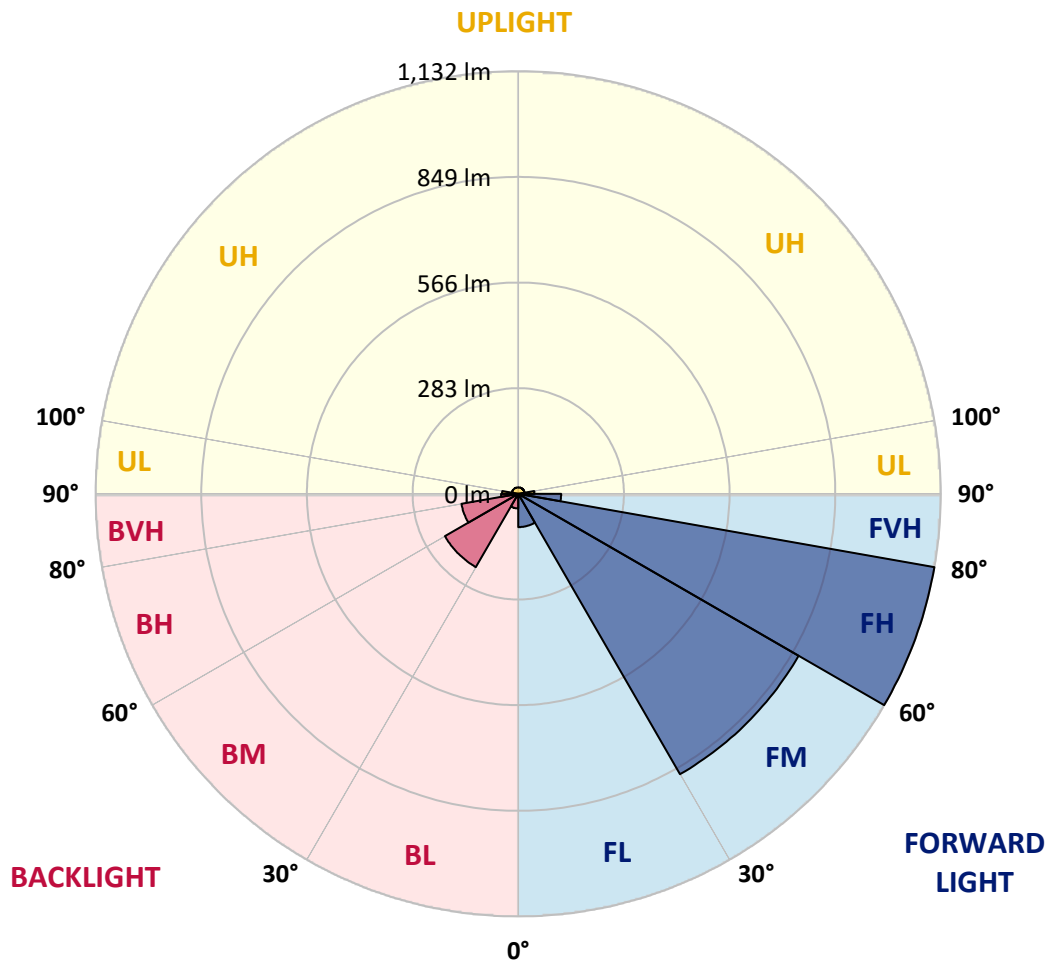


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.2	3.3			
FM (30°-60°)	867.4	31.8			
FH (60°-80°)	1132.3	41.5			G1/1800
FVH (80°-90°)	114.8	4.2			G2/225
BL (0°-30°)	39.2	1.4	B0/110		
BM (30°-60°)	226.8	8.3	B1/1000		
BH (60°-80°)	154.5	5.7	B1/500		G1/500
BVH (80°-90°)	46.0	1.7			G1/100
UL (90°-100°)	43.3	1.6		U2/50	
UH (100°-180°)	17.4	0.6		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3	3	3	3	3	3	3	3	3	3	3
2.5°	3	3	3	3	3	3	3	3	3	3	3
5°	3	3	3	3	4	4	3	3	3	3	3
7.5°	5	5	4	4	4	4	4	4	3	3	3
10°	29	28	25	17	10	5	4	4	4	4	5
12.5°	127	126	127	119	32	17	8	8	12	16	21
15°	134	135	135	131	131	56	31	43	123	134	131
17.5°	176	170	146	140	143	142	123	123	143	151	149
20°	207	207	208	206	153	196	211	212	169	234	253
22.5°	232	234	224	216	233	203	229	229	286	321	308
25°	322	321	303	242	242	246	311	317	358	357	343
27.5°	371	371	351	315	268	281	320	334	406	516	467
30°	501	503	459	376	324	299	371	396	509	542	485
32.5°	539	540	543	481	375	332	405	423	546	686	611
35°	550	552	552	508	470	386	412	425	650	723	612
37.5°	586	585	577	526	507	427	455	468	693	778	609
40°	637	637	624	561	522	469	485	499	743	843	611
42.5°	696	691	676	601	546	495	525	537	795	925	614
45°	767	762	732	657	588	506	554	577	854	1012	632
47.5°	835	833	799	713	630	522	576	608	925	1123	667
50°	919	909	865	768	668	553	633	654	1000	1230	720
52.5°	995	977	931	824	714	596	720	734	1086	1342	781
55°	1069	1043	980	882	758	646	814	817	1184	1457	856
57.5°	1180	1153	1062	936	816	710	905	915	1281	1586	944
60°	1334	1315	1205	1064	919	795	1014	1034	1377	1715	1031
62.5°	1393	1371	1288	1190	1066	948	1149	1203	1464	1845	1132
65°	1233	1233	1189	1195	1158	1193	1341	1404	1566	1948	1219
67.5°	802	806	834	953	1085	1391	1672	1759	1721	2059	1292
70°	364	378	439	604	826	1403	2053	2180	1901	2135	1318
72.5°	238	243	257	319	486	1202	2264	2389	2065	2128	1271
75°	199	196	204	226	245	825	2154	2258	2044	2002	1157
77.5°	165	162	170	182	145	453	1791	1851	1768	1711	944
80°	127	127	131	147	106	220	1331	1376	1309	1222	565
82.5°	87	86	95	113	85	127	909	910	782	595	266
85°	39	39	47	65	50	79	415	430	266	190	119
87.5°	13	13	14	16	17	37	116	118	103	117	88
90°	12	12	12	12	13	36	104	104	92	109	88
92.5°	12	12	11	10	11	33	115	124	101	114	92
95°	12	12	10	9	10	24	115	123	106	99	83
97.5°	8	8	7	7	8	14	84	87	68	50	50
100°	7	7	5	5	6	8	45	48	33	16	16
102.5°	7	7	4	4	4	5	13	14	12	7	8
105°	8	8	4	3	3	4	6	6	7	6	8
107.5°	7	7	3	3	3	3	3	3	4	6	8
110°	5	4	3	3	2	3	3	3	3	5	7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	3	3	2	2	2	3	2	2	3	4	6
115°	3	3	2	2	2	2	2	2	2	4	5
117.5°	3	3	2	2	2	2	2	2	2	4	6
120°	3	3	2	1	2	2	2	2	2	4	6
122.5°	3	3	2	1	2	2	2	2	2	4	6
125°	3	3	2	1	2	1	2	2	2	4	5
127.5°	3	2	2	1	2	2	2	2	2	3	5
130°	2	2	2	1	2	2	2	2	2	3	5
132.5°	2	2	2	1	2	2	2	2	2	3	4
135°	2	2	1	1	2	2	2	2	2	2	3
137.5°	2	2	2	1	2	2	2	2	2	2	3
140°	2	2	2	2	2	2	2	2	2	2	2
142.5°	2	2	2	2	2	2	2	2	2	2	2
145°	2	2	2	2	2	2	2	2	2	3	3
147.5°	2	3	2	2	2	2	2	2	2	3	3
150°	3	3	2	2	2	2	2	2	2	3	3
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°	3	3	3	3	3	3	3	3	3	3	3
2.5°	3	3	2	2	2	2	3	3	3	3	3
5°	3	3	2	2	2	2	2	2	3	3	3
7.5°	3	3	2	2	2	2	2	2	3	3	3
10°	4	4	3	2	2	2	2	2	3	3	3
12.5°	24	21	16	9	4	2	2	2	3	4	4
15°	125	117	94	62	20	5	3	9	28	38	37
17.5°	143	131	98	68	55	25	26	47	55	59	58
20°	247	204	121	79	64	60	53	60	68	73	74
22.5°	281	234	144	118	82	85	79	76	108	116	118
25°	304	243	151	133	125	99	109	112	125	130	131
27.5°	390	286	186	152	140	125	129	129	143	167	168
30°	385	269	195	178	157	147	141	164	182	187	188
32.5°	451	291	218	188	175	156	167	180	191	205	213
35°	413	263	227	211	185	171	181	193	230	242	242
37.5°	371	240	219	213	199	182	185	218	235	230	230
40°	333	224	212	209	200	182	196	212	228	224	224
42.5°	309	214	205	203	196	179	190	209	227	220	219
45°	300	205	200	196	185	172	186	211	225	217	216
47.5°	309	200	195	190	176	161	188	208	221	209	207
50°	338	200	189	182	169	161	185	201	211	197	194
52.5°	376	204	183	173	162	160	181	197	203	188	187
55°	428	211	175	166	151	156	181	198	196	179	178
57.5°	481	219	168	161	144	151	179	199	187	166	166
60°	538	229	159	155	139	144	173	197	178	156	156
62.5°	595	234	152	149	133	137	166	191	175	154	154
65°	641	229	145	141	125	129	156	186	170	155	156
67.5°	667	215	138	135	117	121	144	175	162	154	156
70°	655	191	129	125	109	114	133	162	157	154	157
72.5°	603	173	118	116	99	106	126	151	151	160	161
75°	537	154	109	107	92	97	123	138	141	153	156
77.5°	436	129	96	98	90	90	117	130	133	147	148
80°	267	95	83	88	83	86	110	121	123	142	144
82.5°	133	67	71	78	74	85	105	115	125	144	145
85°	68	41	54	63	64	94	103	119	117	130	133
87.5°	43	21	31	34	48	89	91	98	96	111	111
90°	42	17	27	26	48	76	70	71	76	94	95
92.5°	44	16	28	26	51	60	56	54	60	71	73
95°	39	15	30	28	44	40	36	40	39	39	40
97.5°	23	11	29	28	35	21	24	30	23	17	16
100°	10	7	28	27	22	13	20	25	17	7	7
102.5°	6	6	20	25	13	7	15	17	10	6	6
105°	6	6	10	15	5	4	7	8	5	5	5
107.5°	6	6	5	5	4	4	4	4	4	5	5
110°	6	6	4	5	4	3	3	3	4	5	5

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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	4	5	5
115°	5	5	4	3	3	3	3	3	4	5	5
117.5°	5	4	3	3	3	3	3	3	4	6	6
120°	5	4	3	3	2	2	3	3	4	6	6
122.5°	5	5	3	3	2	2	2	3	4	6	6
125°	5	4	3	3	2	2	2	2	4	6	6
127.5°	5	4	3	2	2	2	2	2	4	6	6
130°	4	4	3	2	2	2	2	2	4	5	6
132.5°	4	3	2	2	2	2	2	2	3	5	5
135°	3	3	2	2	2	2	2	2	3	4	4
137.5°	3	2	2	2	2	2	2	2	3	3	3
140°	2	2	2	2	1	1	2	2	2	3	3
142.5°	2	2	2	2	1	2	2	2	3	3	3
145°	3	2	2	2	1	1	2	2	3	3	3
147.5°	3	2	2	2	1	1	2	2	3	3	3
150°	3	3	2	2	1	1	2	2	3	3	3
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)