

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: P694586

Luminaire Tested: **LXF.LXT-PA16-20-740-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2645.9 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

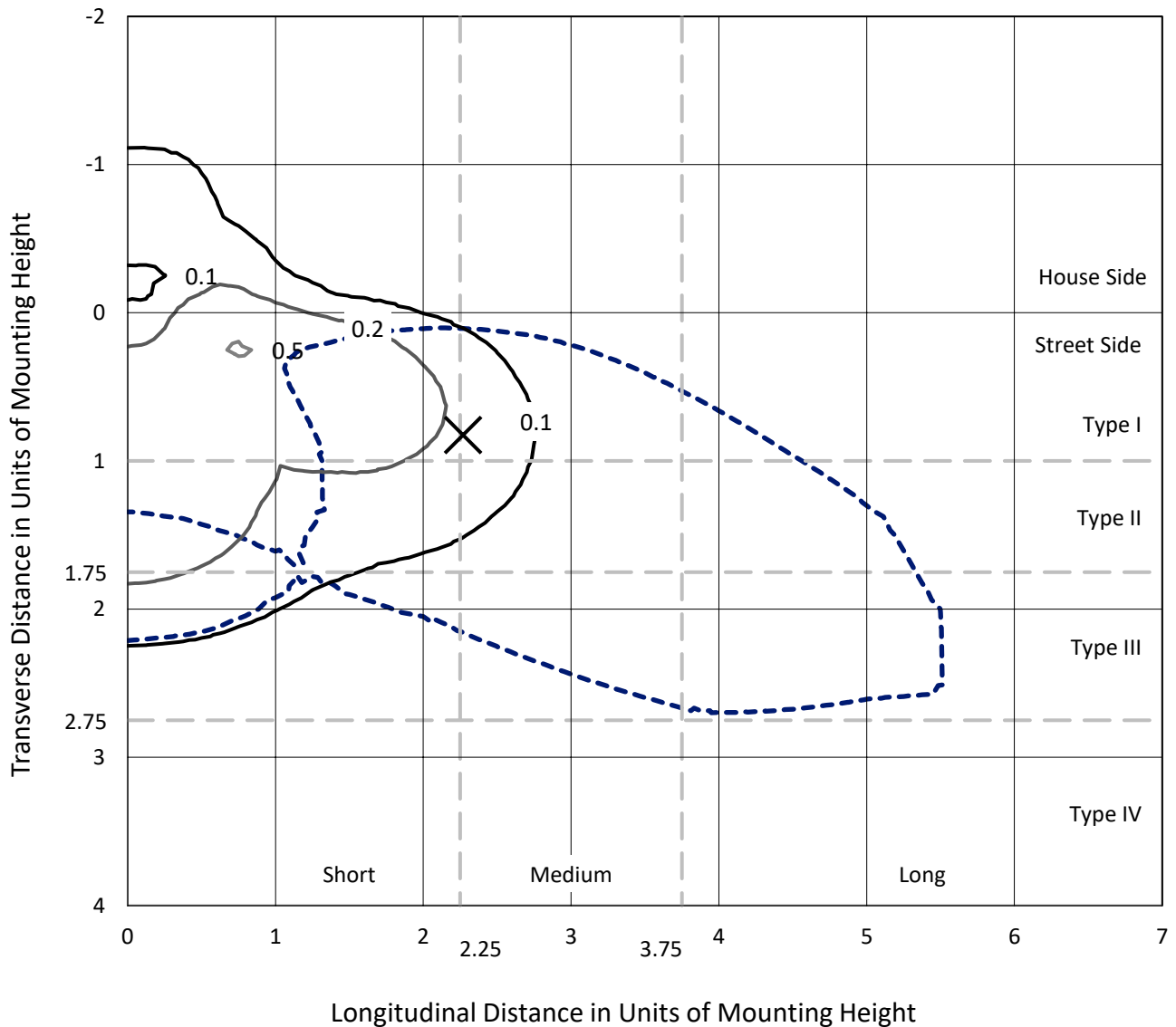
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

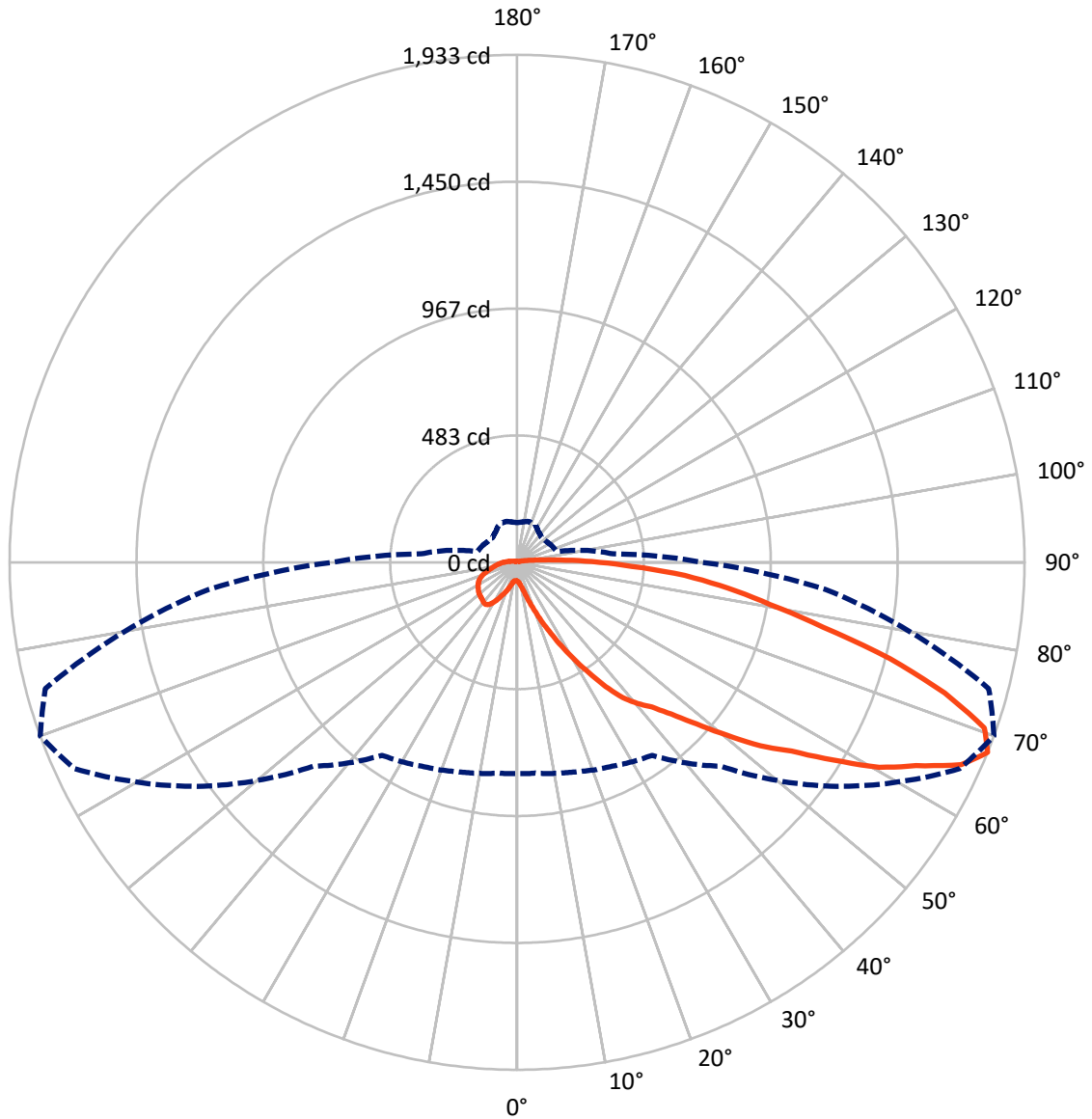
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P694586
CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

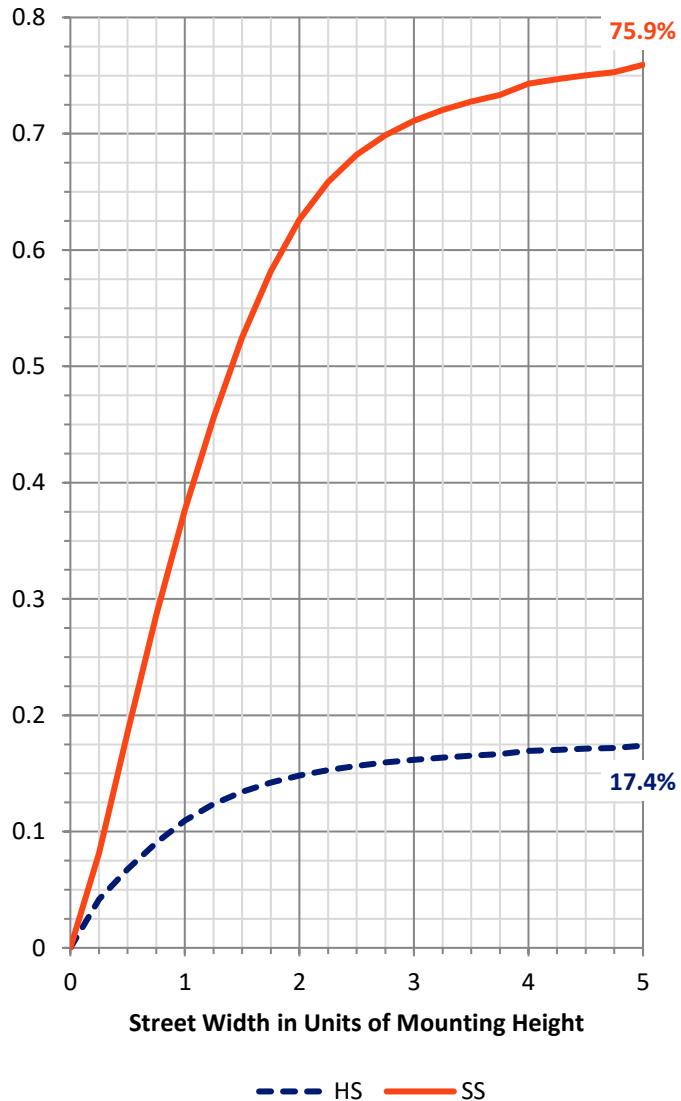
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.3	43.2	526.5
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	2064.3	55.1	2119.4
	% Fixture	78.0	2.1	80.1
Total	Lumens	2547.6	98.3	2645.9
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	32.3	1.2
20°-30°	95.4	3.6
30°-40°	208.6	7.9
40°-50°	328.3	12.4
50°-60°	507.6	19.2
60°-70°	678.4	25.6
70°-80°	480.1	18.1
80°-90°	209.6	7.9
90°-100°	59.0	2.2
100°-110°	18.9	0.7
110°-120°	9.2	0.3
120°-130°	5.7	0.2
130°-140°	3.7	0.1
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2547.6	96.3
0°-180°	2645.9	100.0

Coefficient of Utilization

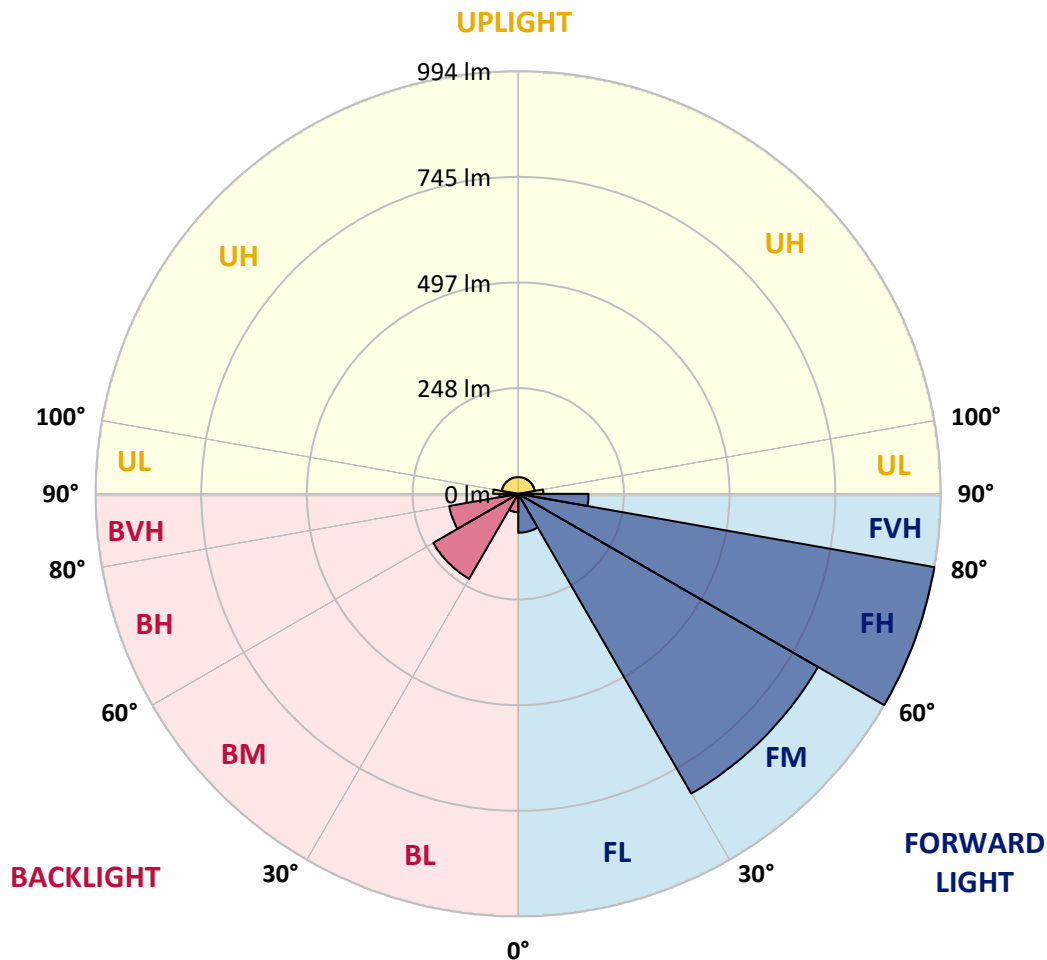


REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.6	3.5			
FM (30°-60°)	813.7	30.8			
FH (60°-80°)	993.7	37.6			G1/1800
FVH (80°-90°)	165.4	6.2			G2/225
BL (0°-30°)	43.4	1.6	B0/110		
BM (30°-60°)	230.8	8.7	B1/1000		
BH (60°-80°)	164.8	6.2	B1/500		G1/500
BVH (80°-90°)	44.3	1.7			G1/100
UL (90°-100°)	59.0	2.2		U3/500	
UH (100°-180°)	39.3	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	72	72	72	72	72	72	72	72	72	72	72
2.5°	76	76	77	76	76	76	75	74	73	73	72
5°	84	84	84	84	83	82	81	79	78	77	75
7.5°	94	94	94	94	93	92	89	86	85	84	80
10°	109	109	109	107	106	104	101	98	96	94	88
12.5°	129	128	128	126	122	118	117	114	112	110	103
15°	154	154	154	149	145	141	140	137	137	134	125
17.5°	182	182	178	173	170	168	169	168	167	163	151
20°	213	212	207	200	196	198	201	204	203	198	181
22.5°	253	251	242	232	223	226	236	246	249	241	220
25°	296	296	283	268	257	256	270	298	300	299	269
27.5°	353	350	332	310	289	290	312	349	361	360	320
30°	415	414	393	361	325	320	356	412	427	433	379
32.5°	463	468	442	411	364	351	396	471	501	503	434
35°	517	517	492	453	398	381	437	535	581	585	490
37.5°	539	546	527	490	430	407	479	607	654	668	531
40°	568	574	553	513	456	434	515	661	707	714	544
42.5°	624	629	598	542	478	457	541	697	753	764	566
45°	681	686	658	592	506	479	566	756	824	834	599
47.5°	758	760	723	648	548	505	604	835	920	932	644
50°	842	845	797	713	596	549	658	925	1034	1053	709
52.5°	926	917	874	787	660	602	721	1040	1161	1172	769
55°	1021	1007	953	853	731	670	819	1151	1269	1277	835
57.5°	1120	1107	1038	926	803	767	927	1273	1420	1441	936
60°	1137	1130	1080	994	883	872	1059	1434	1586	1587	1021
62.5°	1116	1113	1067	1008	944	981	1235	1587	1706	1695	1097
65°	1015	1004	1004	975	960	1080	1390	1732	1859	1825	1169
67.5°	805	806	827	857	897	1098	1488	1860	1933	1860	1177
70°	567	582	627	694	773	1017	1493	1845	1888	1816	1125
72.5°	415	403	438	499	618	875	1365	1702	1704	1598	974
75°	281	282	307	360	449	712	1186	1474	1468	1346	812
77.5°	187	189	212	254	338	571	992	1219	1192	1109	651
80°	128	133	146	176	246	452	814	1000	978	898	525
82.5°	92	93	106	129	176	346	663	839	809	723	419
85°	70	70	79	95	127	264	529	668	641	559	313
87.5°	51	52	58	72	94	200	406	480	437	386	215
90°	33	35	39	52	70	142	283	314	285	239	139
92.5°	21	21	25	35	51	97	178	186	161	146	85
95°	14	15	18	24	36	66	107	108	95	80	54
97.5°	12	12	14	18	27	45	63	61	55	49	38
100°	10	10	12	15	22	33	40	39	36	35	30
102.5°	9	9	10	13	18	26	29	27	26	26	23
105°	8	8	9	11	15	21	22	20	20	19	18
107.5°	7	7	8	9	13	17	17	15	15	15	15
110°	7	7	7	8	11	14	14	12	12	11	12

REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6	6	6	8	10	12	11	10	9	9	10
115°	6	5	6	7	9	10	10	8	8	8	9
117.5°	5	5	5	6	8	9	8	7	7	7	8
120°	5	5	5	6	8	8	7	6	6	6	7
122.5°	5	5	5	6	7	7	7	6	6	6	7
125°	5	5	5	6	7	7	6	5	5	5	7
127.5°	5	5	5	6	6	6	5	5	5	5	6
130°	5	5	5	6	6	5	5	5	5	5	6
132.5°	5	5	5	6	6	5	5	4	5	5	6
135°	5	5	5	5	5	4	4	4	4	5	5
137.5°	5	5	5	5	5	4	3	4	4	4	5
140°	4	4	4	4	4	3	3	3	3	4	4
142.5°	4	4	4	4	3	3	2	3	3	3	4
145°	3	3	3	3	3	2	2	2	2	3	3
147.5°	3	3	3	3	2	2	2	2	2	2	2
150°	2	2	2	2	2	2	1	1	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

REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72	72	72	72	72	72	72	72	72	72	72
2.5°	72	71	71	70	69	69	69	69	68	68	68
5°	74	73	71	69	67	65	65	64	64	63	62
7.5°	78	76	72	69	66	63	62	61	60	59	59
10°	86	82	76	70	65	61	59	58	57	56	56
12.5°	98	94	84	74	66	61	58	57	56	56	56
15°	118	111	96	82	69	62	59	60	62	62	62
17.5°	141	132	110	91	75	67	65	67	69	70	70
20°	168	154	125	100	82	76	74	76	79	81	81
22.5°	202	180	141	109	91	85	84	86	90	94	93
25°	241	212	159	119	103	95	96	100	107	111	113
27.5°	284	245	177	133	114	106	108	115	126	133	133
30°	330	277	195	147	126	117	121	134	146	155	155
32.5°	375	308	209	163	139	128	134	151	167	177	178
35°	410	327	216	175	150	137	145	169	190	201	202
37.5°	430	333	217	184	159	145	156	184	207	218	218
40°	427	321	210	189	165	152	166	198	221	229	227
42.5°	433	316	205	187	167	156	172	205	224	227	225
45°	440	309	200	185	166	158	175	205	221	220	218
47.5°	459	308	197	184	165	157	175	204	216	211	209
50°	485	312	195	182	164	155	173	202	213	208	206
52.5°	509	314	191	180	163	154	172	202	211	201	198
55°	540	324	186	176	161	152	171	200	202	190	188
57.5°	597	343	182	171	158	151	169	193	196	185	182
60°	639	357	178	167	153	148	164	189	190	175	172
62.5°	676	367	171	162	150	145	159	180	177	164	163
65°	712	375	166	155	144	139	153	168	169	158	156
67.5°	705	367	156	147	137	132	142	160	161	153	151
70°	663	340	144	138	127	122	131	149	152	146	145
72.5°	574	294	128	125	116	111	120	135	140	135	133
75°	483	248	114	111	105	100	107	121	127	126	126
77.5°	387	199	101	99	94	90	96	108	116	117	115
80°	311	162	89	88	85	82	85	95	104	106	105
82.5°	250	135	79	79	76	74	76	85	96	100	99
85°	192	111	71	70	68	67	69	75	87	92	92
87.5°	140	88	63	61	60	60	61	67	78	82	81
90°	97	68	54	52	51	52	54	59	67	68	68
92.5°	66	52	45	43	43	45	47	51	56	55	54
95°	46	39	36	35	35	37	39	43	46	44	43
97.5°	34	31	30	29	28	31	32	34	37	36	35
100°	27	26	25	24	23	25	26	28	30	28	28
102.5°	22	22	21	20	20	21	22	23	24	23	22
105°	18	18	18	17	17	18	19	19	20	18	18
107.5°	15	15	16	15	15	16	16	16	16	15	15
110°	13	13	13	13	13	14	14	14	14	13	12

REPORT NUMBER: P694586
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11	11	11	11	11	12	12	12	12	11	11
115°	9	10	10	10	10	10	11	10	10	10	10
117.5°	8	9	9	9	9	9	9	9	9	9	9
120°	8	8	8	8	8	8	8	8	8	9	9
122.5°	7	7	7	7	7	7	7	7	8	8	8
125°	7	7	7	7	6	6	7	7	7	7	7
127.5°	6	6	6	6	6	6	6	6	6	6	7
130°	6	6	6	6	5	5	5	6	6	6	6
132.5°	6	6	5	5	5	5	5	5	5	6	6
135°	5	5	5	5	4	4	5	5	5	5	5
137.5°	5	5	4	4	4	4	4	4	5	5	5
140°	4	4	4	3	3	3	4	4	4	4	4
142.5°	4	3	3	3	2	2	3	4	4	4	4
145°	3	3	3	2	2	2	3	3	3	3	3
147.5°	2	2	2	2	2	2	2	3	3	3	3
150°	2	2	2	1	1	1	2	3	3	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

(END OF REPORT)