

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: LUMARK

Report Number: P27818

Luminaire Tested: **XTOR1B-FLD-KNC**

Test Date: 05/18/16

**Test Information**

Test Method: LM-79-08  
Report Number: P27818  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 05/18/16  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR1B-FLD-KNC  
Description: CROSSTOUR 12W FLOOD LED WITH WHITE HOUSING, BRONZE SHIELD AND LENS  
Light Source: (1) CITIZEN 5000 LED  
CLL028-1203C4-50AL7K3  
Ballast/Driver: (1) ERP ELECTRONIC DRIVERS  
ESS015W-0300-42-CPLV

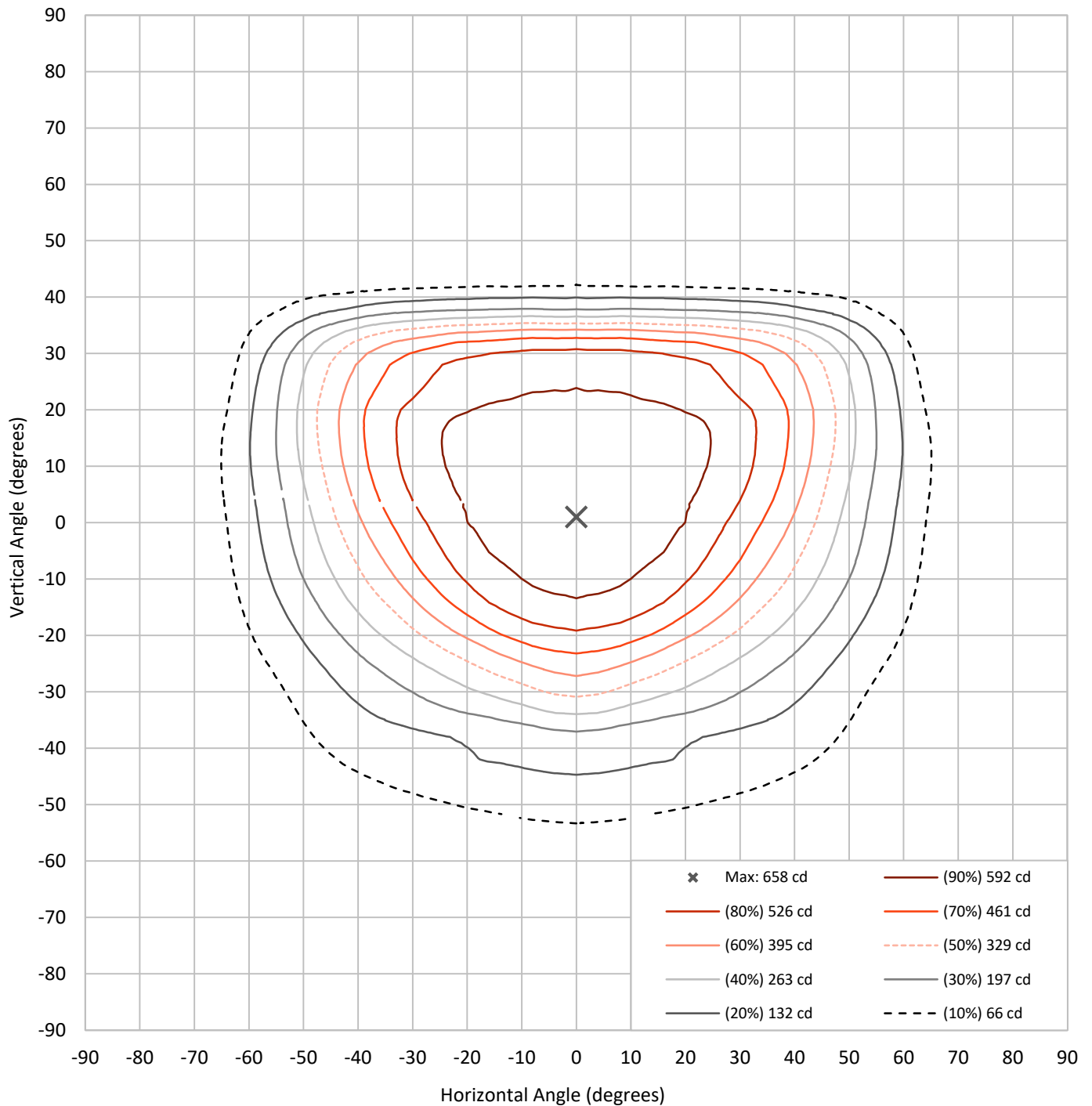
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	1005.8 lumens	Max Intensity:	658 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 1°V
Efficacy:	82.4 lumens/watt		
Luminous Opening:	(L: 0 ' x W: 0.46 ' x H: 0.17 ')		
Beam Angle (50%):	88.3°H x 66.2°V	Field Angle (10%):	128.3°H x 95.4°V
Beam Lumens:	723.2 lumens	Field Lumens:	951.6 lumens
Beam Efficiency:	71.9%	Field Efficiency:	94.6%
Input Watts (W):	12.2		
Input Voltage (V):	120.0		
Input Current (Ain):	0.103		
Voltage Rise (V):	NR		
Power Factor:	0.9963		
Total Harmonic Distortion (THDi):	16.5%		
Frequency (hertz):	60		
Stabilization Time:	0.5 HR		
Operation Time:	24 HR		
Ambient Temperature (°C):	24.5		
Test Distance:	25 FT		



REPORT NUMBER: P27818  
CATALOG NUMBER: XTOR1B-FLD-KNC

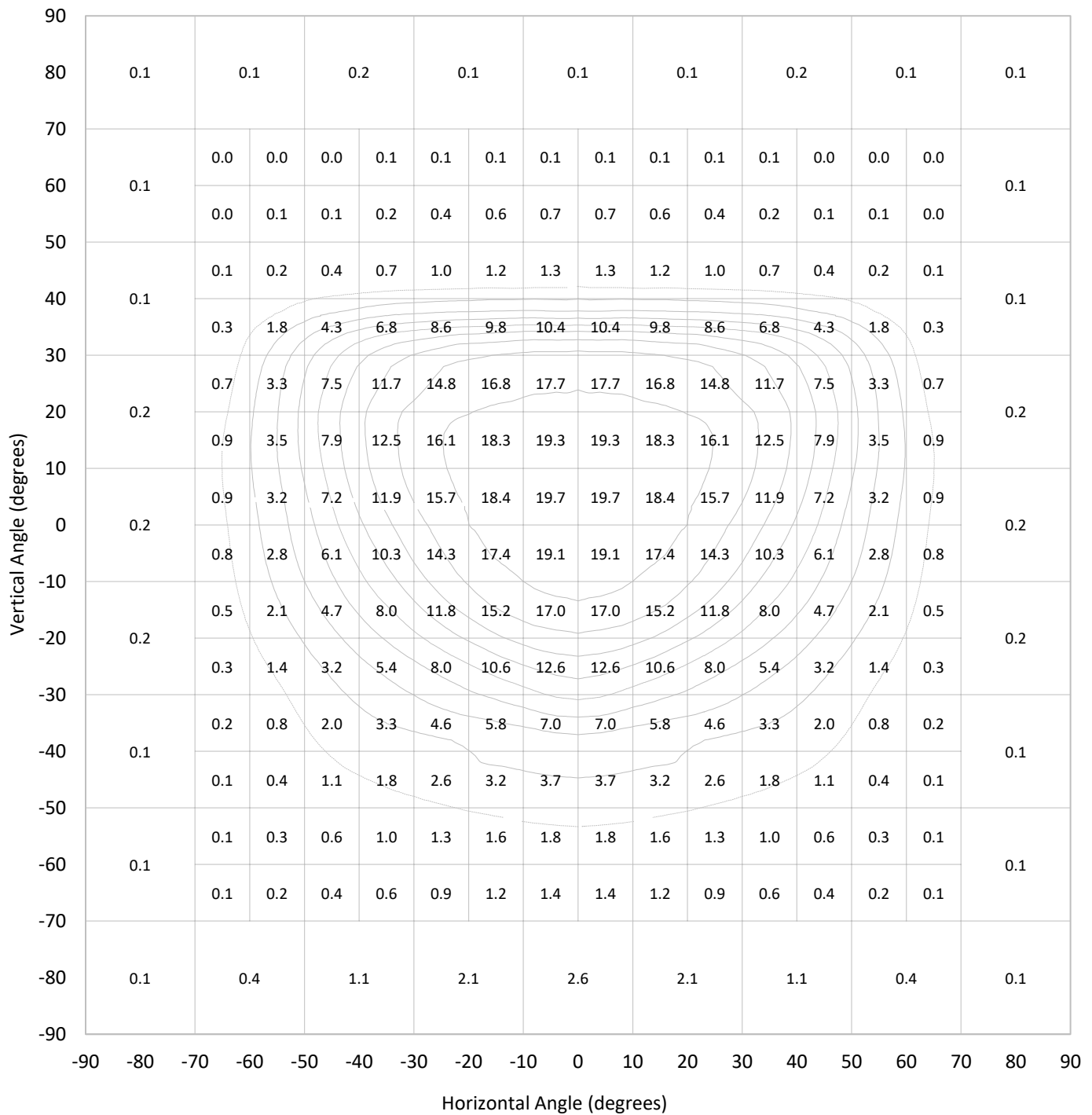
### Iso-Candela Plot





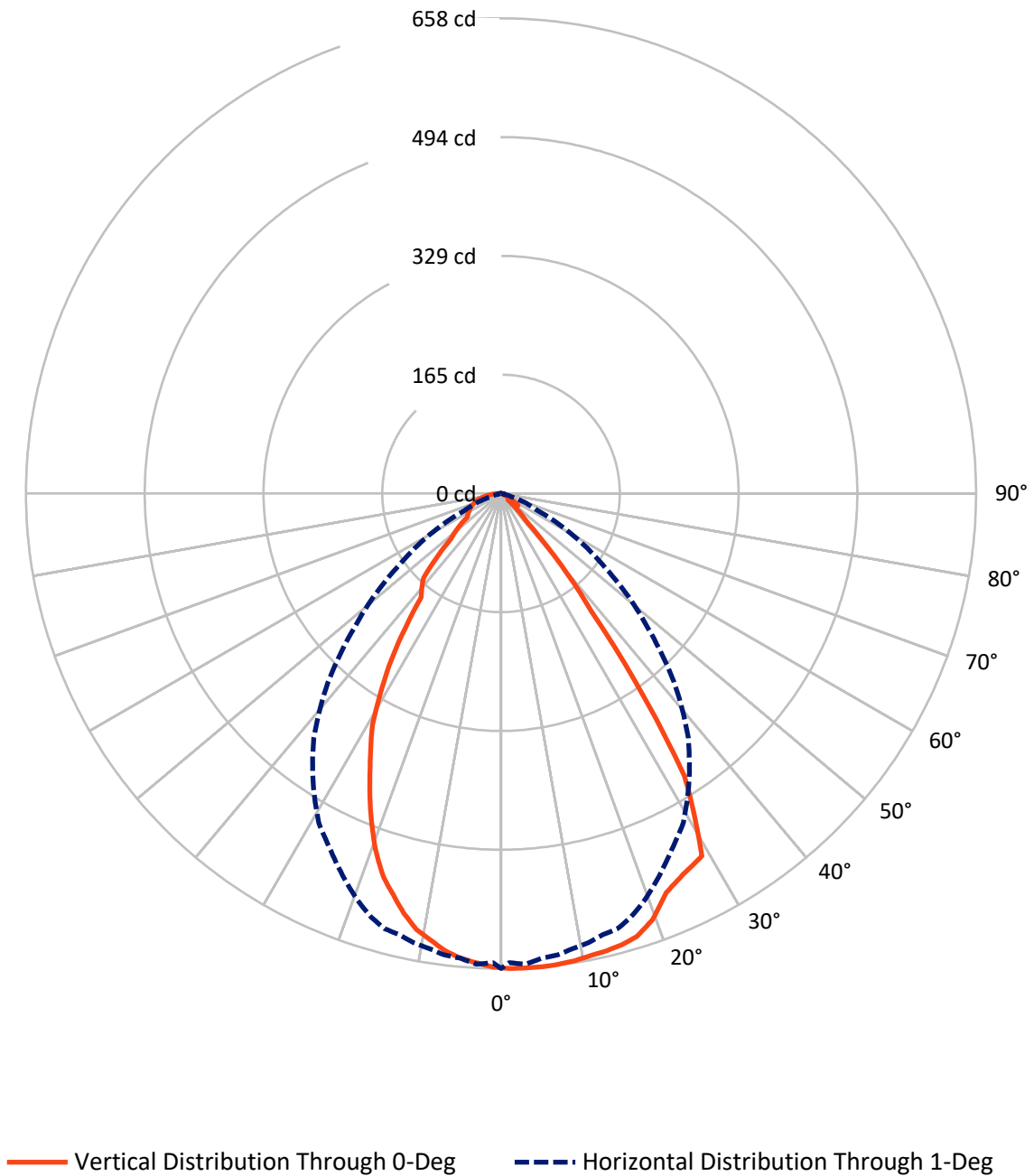
REPORT NUMBER: P27818  
 CATALOG NUMBER: XTOR1B-FLD-KNC

### Lumen Table



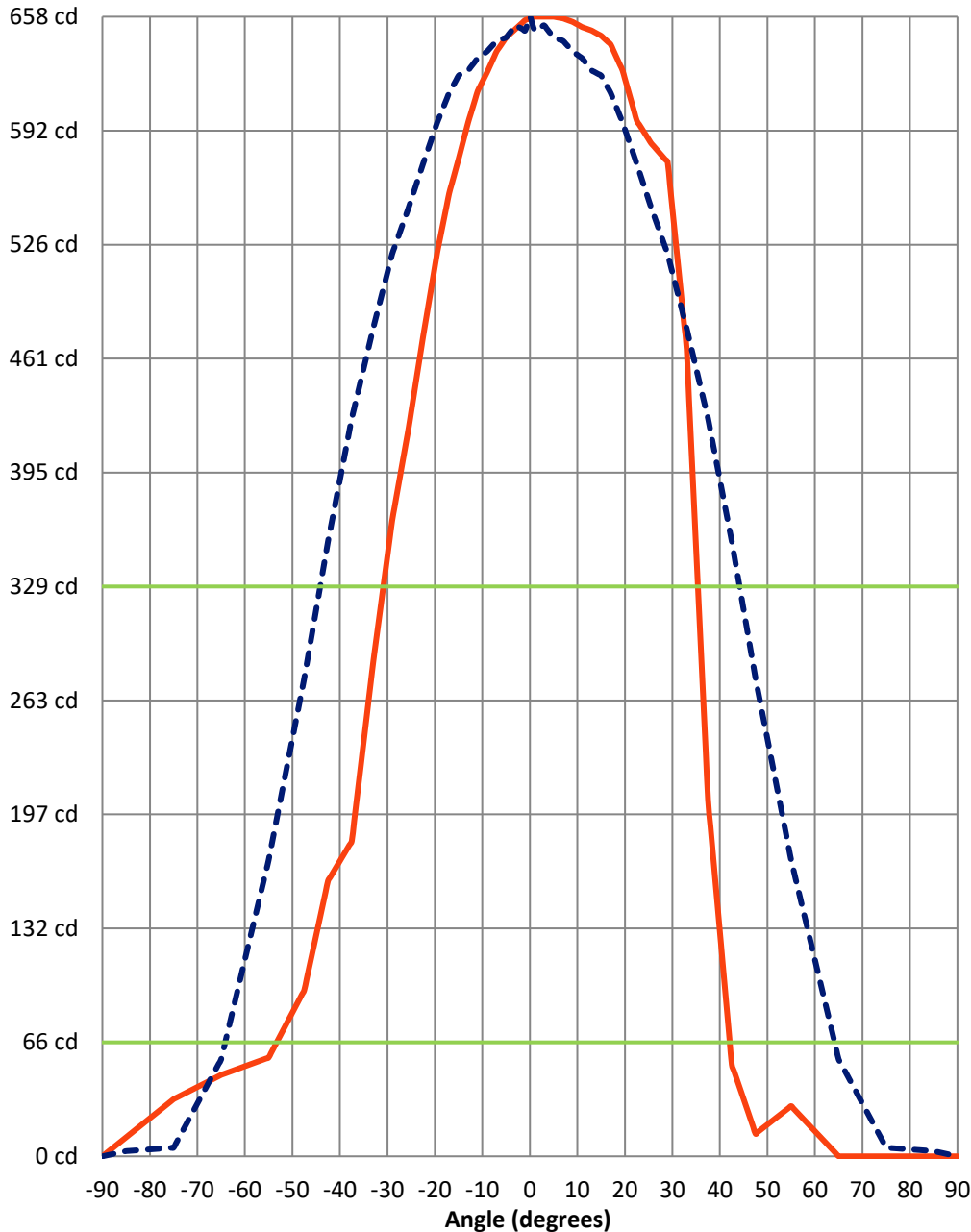
REPORT NUMBER: P27818  
CATALOG NUMBER: XTOR1B-FLD-KNC

### Luminous Intensity Polar Plot



REPORT NUMBER: P27818  
 CATALOG NUMBER: XTOR1B-FLD-KNC

### Luminous Intensity Plot



**Beam:**  
 H Angle: 88.3°  
 V Angle: 66.2°  
 Lumens: 723.2  
 Efficiency: 71.9%

**Field:**  
 H Angle: 128.3°  
 V Angle: 95.4°  
 Lumens: 951.6  
 Efficiency: 94.6%

**Spill:**  
 Lumens: 54.2  
 Efficiency: 5.4%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 1-Deg



REPORT NUMBER: P27818  
 CATALOG NUMBER: XTOR1B-FLD-KNC

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	1	1	1	2	2	2	2	2	2
75°	0	0	0	1	1	1	1	1	1	1	1
65°	0	0	0	0	1	1	1	1	1	1	1
55°	29	29	29	28	28	27	26	26	25	23	21
47.5°	13	13	13	13	13	12	12	12	12	11	10
42.5°	53	51	50	50	50	47	44	45	48	48	45
37.5°	206	200	202	204	208	211	209	206	206	203	198
33°	466	465	464	464	467	466	461	452	448	442	439
29°	574	568	571	569	568	567	561	560	557	548	543
25.5°	585	579	583	581	580	581	574	573	571	562	555
22.5°	598	593	598	595	595	594	589	586	583	576	569
19.5°	627	621	625	620	619	618	613	610	610	604	595
17°	642	636	640	635	634	632	627	625	625	619	610
15°	647	640	644	640	640	637	632	628	628	623	613
13°	650	643	647	643	643	641	637	632	631	625	613
11°	652	645	650	645	641	644	639	633	632	625	613
9°	655	648	653	648	648	644	640	634	633	625	610
7°	657	650	655	650	650	644	640	633	632	623	607
5°	658	651	655	650	650	645	639	632	630	621	603
3°	658	651	654	649	648	642	637	630	628	618	599
1°	658	650	653	646	644	638	634	627	624	614	597
0°	657	649	651	644	641	635	631	624	621	611	596
-1°	656	648	650	642	638	632	628	620	617	607	585
-3°	651	644	647	637	633	626	619	612	609	597	576
-5°	646	638	639	630	626	619	611	602	599	588	566
-7°	638	630	632	624	619	611	603	594	590	577	555
-9°	626	619	621	614	610	602	594	584	578	565	543
-11°	615	608	608	601	599	591	581	571	565	550	529
-13°	597	591	594	587	583	575	566	554	547	532	509
-15°	576	571	572	566	564	556	546	535	526	508	484
-17°	556	551	550	544	540	534	523	511	499	480	456
-19.5°	522	518	518	511	507	498	485	473	458	439	416
-22.5°	473	469	468	462	455	444	429	415	401	384	365
-25.5°	421	418	415	408	398	386	373	364	350	335	318
-29°	367	362	360	351	341	329	315	305	293	283	269
-33°	285	283	283	278	266	255	243	240	226	219	212
-37.5°	182	179	178	175	168	163	158	153	148	144	139
-42.5°	159	156	156	152	148	143	140	136	134	133	125
-47.5°	96	96	97	94	94	93	91	88	86	83	81
-55°	57	56	56	55	54	53	51	49	48	47	45
-65°	47	47	47	46	45	44	43	42	40	39	37
-75°	33	32	32	32	31	31	30	30	29	28	27
-85°	11	11	12	12	13	13	13	13	13	12	12
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P27818  
 CATALOG NUMBER: XTOR1B-FLD-KNC

**CANDELA DISTRIBUTION (continued):**

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	2	2	2	2	2	2	2	3	3	3	3
75°	1	1	1	2	2	2	2	2	2	3	3
65°	1	1	1	1	1	2	2	2	2	3	3
55°	19	17	14	11	7	4	3	3	3	3	3
47.5°	10	9	7	6	6	5	5	4	3	3	3
42.5°	42	41	38	36	30	25	22	17	4	3	3
37.5°	199	194	186	181	165	139	115	62	6	3	3
33°	434	416	399	377	346	294	232	128	13	4	3
29°	533	517	495	466	424	363	290	167	23	4	3
25.5°	547	534	513	485	444	385	308	182	34	4	3
22.5°	561	547	529	502	462	400	321	189	44	4	3
19.5°	588	576	555	524	479	412	331	193	53	4	3
17°	602	586	563	528	481	412	330	195	58	4	3
15°	605	588	563	526	479	410	328	196	61	4	3
13°	605	587	563	526	476	407	323	196	63	5	3
11°	603	585	561	523	472	403	317	193	63	5	3
9°	600	580	556	518	466	394	309	189	63	5	3
7°	595	574	550	511	458	386	301	185	62	5	3
5°	589	567	541	503	449	377	293	180	60	5	3
3°	582	558	532	490	438	366	284	175	58	5	3
1°	573	548	521	478	426	355	276	171	56	5	3
0°	570	543	514	472	418	349	272	169	55	5	3
-1°	565	539	509	465	411	342	268	167	54	5	3
-3°	556	529	498	451	398	329	259	163	51	5	3
-5°	545	518	485	437	381	317	250	158	49	5	3
-7°	534	505	470	421	367	303	241	152	46	6	3
-9°	521	490	453	403	351	290	231	146	43	6	3
-11°	505	471	433	385	334	276	218	138	40	6	3
-13°	482	450	411	364	315	262	206	130	37	6	3
-15°	457	425	388	339	296	246	193	120	34	6	3
-17°	429	398	361	319	278	229	180	111	31	6	3
-19.5°	391	362	329	291	253	207	162	98	28	6	3
-22.5°	342	317	288	258	223	183	143	85	24	6	3
-25.5°	296	275	251	224	194	160	123	72	20	6	3
-29°	250	233	212	191	164	136	105	59	17	6	3
-33°	201	189	175	160	138	114	89	45	14	6	3
-37.5°	135	128	121	113	103	88	70	34	11	6	3
-42.5°	117	114	101	92	80	68	53	26	11	6	3
-47.5°	77	73	69	63	55	46	39	18	10	6	3
-55°	43	41	40	37	34	31	26	15	9	5	3
-65°	34	32	30	26	22	18	15	11	7	5	3
-75°	26	24	22	20	17	14	11	8	6	4	3
-85°	12	11	11	10	9	8	7	6	5	4	3
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P27818  
CATALOG NUMBER: XTOR1B-FLD-KNC

**CANDELA DISTRIBUTION (continued):**

	90°
90°	0
85°	0
75°	0
65°	0
55°	0
47.5°	0
42.5°	0
37.5°	0
33°	0
29°	0
25.5°	0
22.5°	0
19.5°	0
17°	0
15°	0
13°	0
11°	0
9°	0
7°	0
5°	0
3°	0
1°	0
0°	0
-1°	0
-3°	0
-5°	0
-7°	0
-9°	0
-11°	0
-13°	0
-15°	0
-17°	0
-19.5°	0
-22.5°	0
-25.5°	0
-29°	0
-33°	0
-37.5°	0
-42.5°	0
-47.5°	0
-55°	0
-65°	0
-75°	0
-85°	0
-90°	0

(END OF REPORT)