

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: P25378

Luminaire Tested: **XTOR3A-N-WT-XTORFLD+VISOR+IMPACT SHIELD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P25378
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR3A-N-WT-XTORFLD+VISOR+IMPACT SHIELD
Description: LUMARK CROSSTOUR LED WHITE 30W XTORFLD WITH VISOR AND IMPACT SHIELD
Light Source: (1) 3500K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

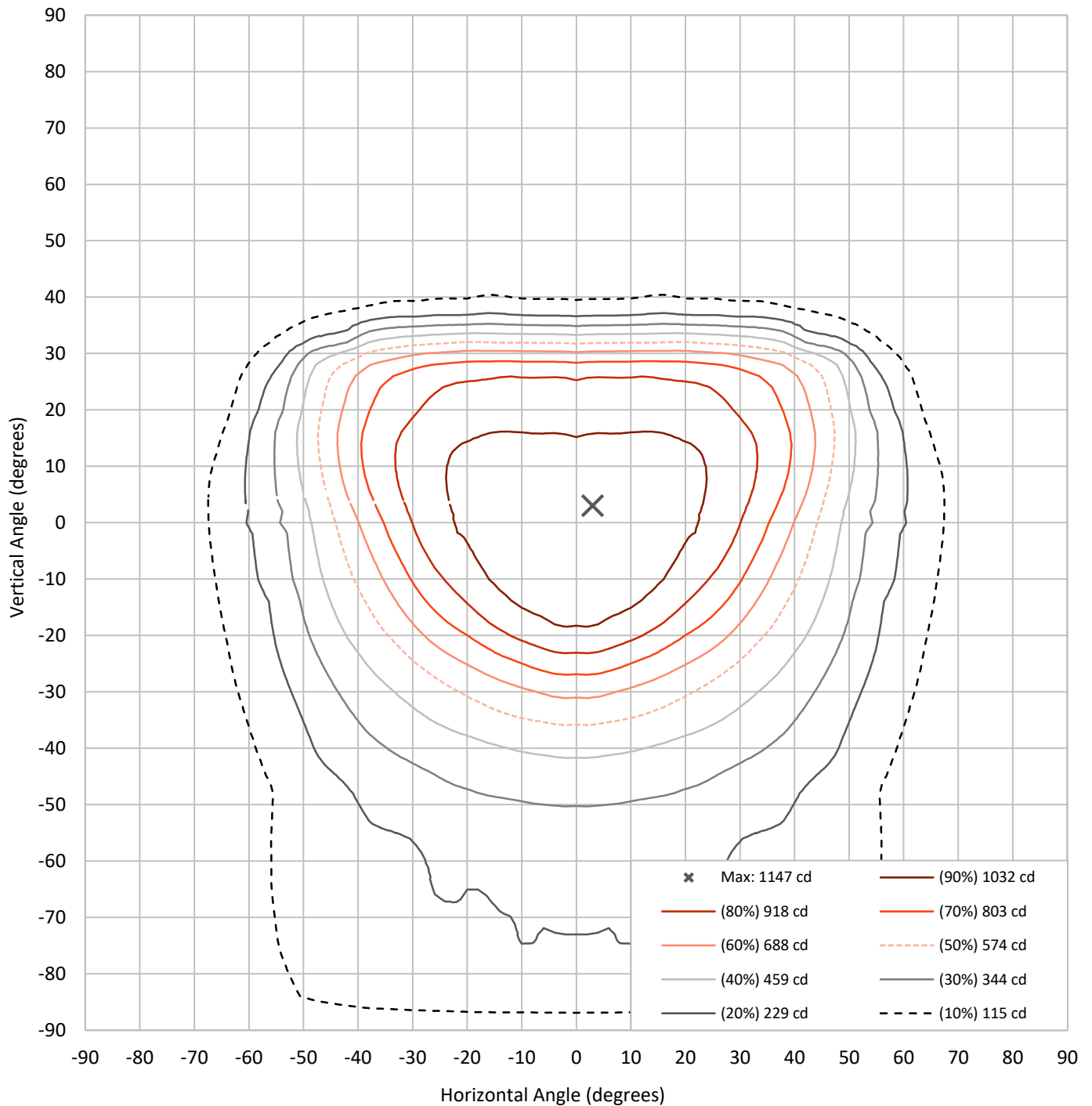
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	2010.2 lumens	Max Intensity:	1147 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 3°V
Efficacy:	77.3 lumens/watt		
Luminous Opening:	(L: 0' x W: 0.46' x H: 0.15')		
Beam Angle (50%):	90.2°H x 67.7°V	Field Angle (10%):	135°H x 126.5°V
Beam Lumens:	1310.8 lumens	Field Lumens:	1947.6 lumens
Beam Efficiency:	65.2%	Field Efficiency:	96.9%
Input Watts (W):	26		
Input Voltage (V):	NR		
Input Current (A _{in}):	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:	25 FT		



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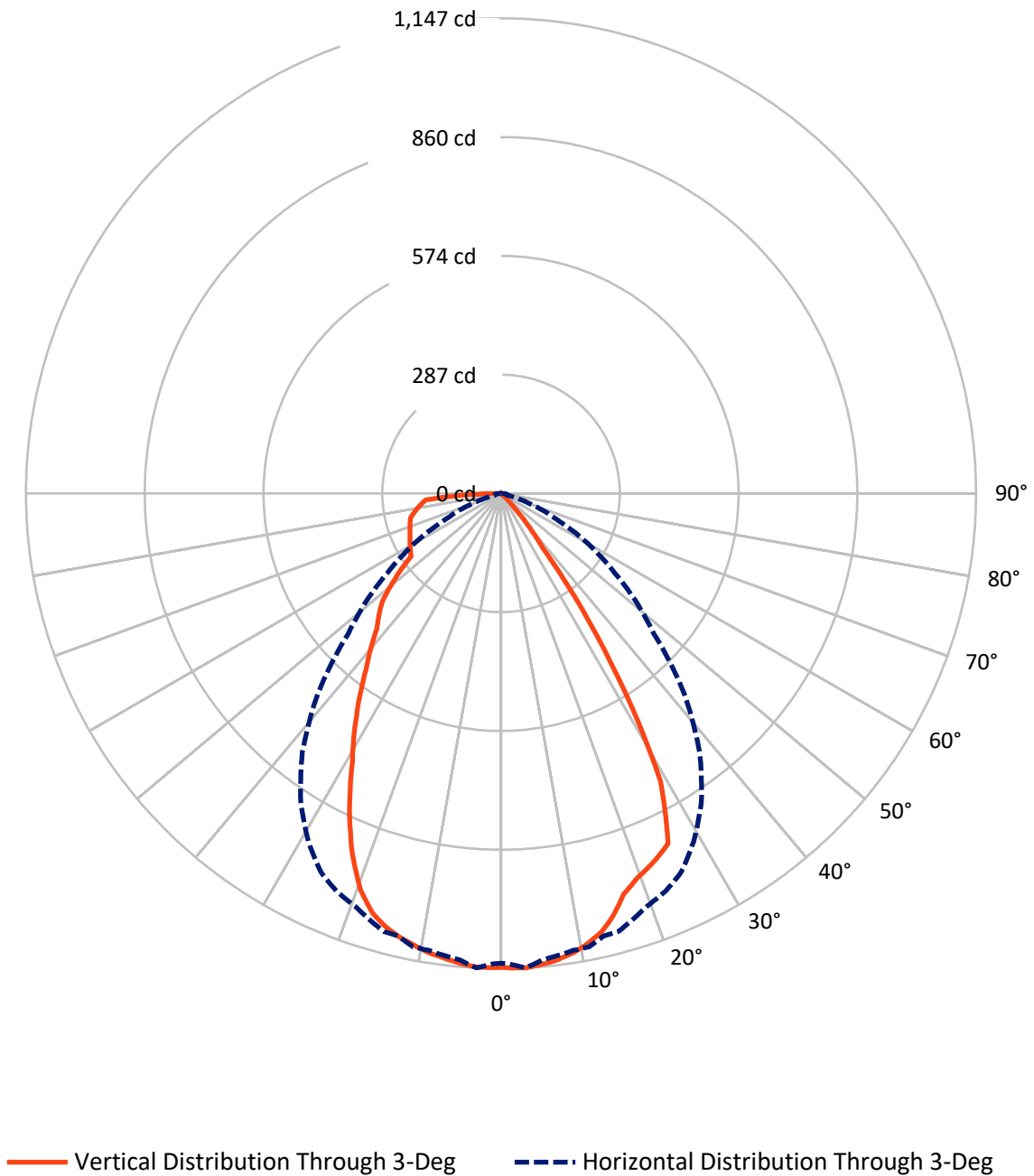
Iso-Candela Plot



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Luminous Intensity Polar Plot

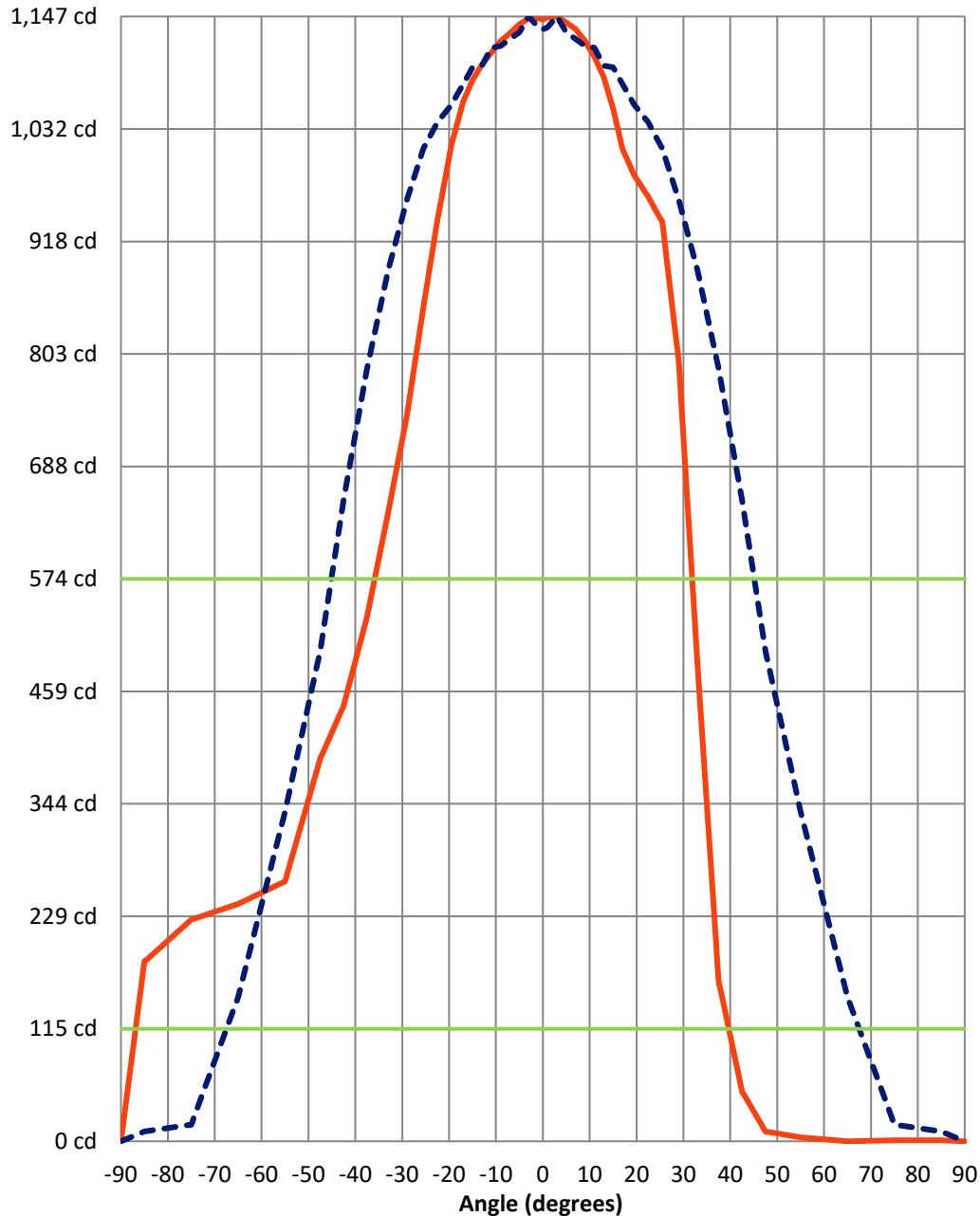




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Luminous Intensity Plot



Beam:
 H Angle: 90.2°
 V Angle: 67.7°
 Lumens: 1310.8
 Efficiency: 65.2%

Field:
 H Angle: 135°
 V Angle: 126.5°
 Lumens: 1947.6
 Efficiency: 96.9%

Spill:
 Lumens: 62.7
 Efficiency: 3.1%

- Vertical Distribution through 3-Deg
- - - Horizontal Distribution through 3-Deg



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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	1	1	2	1	2	2	2	2	2	2
75°	0	0	1	1	1	1	1	2	1	1	1
65°	0	0	0	1	1	1	1	1	1	1	1
55°	4	4	4	4	4	4	4	3	4	4	3
47.5°	10	10	10	10	10	10	10	10	10	10	9
42.5°	48	52	51	49	48	47	47	52	56	57	46
37.5°	159	163	164	165	167	167	174	184	199	194	171
33°	477	483	486	490	488	491	492	492	490	498	504
29°	784	789	795	794	796	795	797	807	798	802	800
25.5°	925	928	937	932	934	931	935	936	930	924	921
22.5°	954	956	963	959	961	957	961	962	961	954	949
19.5°	975	977	985	980	981	976	982	980	983	975	970
17°	997	1000	1012	1008	1009	1010	1017	1015	1018	1009	1001
15°	1037	1040	1053	1049	1050	1048	1055	1051	1054	1042	1030
13°	1071	1074	1085	1077	1078	1076	1081	1073	1077	1064	1048
11°	1092	1095	1106	1096	1093	1089	1094	1084	1086	1073	1057
9°	1110	1112	1122	1110	1106	1099	1102	1090	1091	1077	1061
7°	1122	1123	1134	1121	1115	1108	1108	1093	1094	1079	1061
5°	1128	1130	1141	1127	1120	1113	1112	1096	1095	1080	1059
3°	1134	1136	1147	1131	1124	1117	1115	1097	1095	1078	1057
1°	1132	1135	1146	1132	1125	1116	1114	1094	1090	1073	1056
0°	1130	1133	1144	1130	1123	1114	1111	1091	1087	1070	1087
-1°	1132	1134	1145	1132	1124	1115	1112	1093	1088	1071	1051
-3°	1132	1135	1145	1129	1122	1113	1110	1092	1087	1068	1040
-5°	1127	1129	1139	1122	1116	1109	1106	1088	1080	1059	1028
-7°	1118	1120	1130	1116	1109	1102	1098	1078	1068	1046	1012
-9°	1106	1109	1122	1110	1104	1094	1088	1066	1054	1029	993
-11°	1096	1098	1110	1098	1092	1081	1073	1050	1037	1010	973
-13°	1087	1090	1098	1084	1075	1063	1054	1029	1013	985	946
-15°	1074	1077	1082	1063	1052	1041	1030	1004	985	954	914
-17°	1055	1057	1060	1041	1026	1012	999	972	951	918	875
-19.5°	1011	1013	1016	996	979	961	946	919	895	860	819
-22.5°	935	937	939	924	906	886	867	841	815	785	754
-25.5°	846	848	850	836	819	799	773	755	738	715	686
-29°	736	738	740	728	713	698	683	673	655	632	607
-33°	640	642	641	632	621	615	603	591	575	559	541
-37.5°	533	536	535	528	521	518	508	499	490	479	465
-42.5°	444	445	444	438	434	430	422	415	407	399	389
-47.5°	390	392	390	385	382	376	369	364	360	354	344
-55°	265	266	265	265	265	263	259	255	253	252	248
-65°	243	244	242	243	242	239	237	236	233	230	228
-75°	226	226	226	225	222	238	223	221	222	216	212
-85°	185	185	183	184	182	182	182	181	180	179	176
-90°	0	0	0	0	0	0	0	0	0	0	0



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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	2	2	2	2
75°	1	1	1	1	1	1	1	1	2	2	2
65°	1	1	1	1	1	1	1	1	1	2	3
55°	3	3	3	3	2	2	2	2	1	3	3
47.5°	9	9	9	8	8	7	6	5	4	4	4
42.5°	44	40	37	30	24	20	15	10	7	6	5
37.5°	171	177	157	167	140	112	87	36	10	7	5
33°	492	482	469	448	411	253	216	107	17	9	6
29°	785	772	755	710	664	556	451	183	28	10	7
25.5°	915	898	870	826	770	658	513	259	44	11	7
22.5°	943	926	897	856	793	681	534	287	61	12	8
19.5°	964	950	920	878	814	706	553	306	81	13	8
17°	992	976	943	899	832	724	566	345	97	14	9
15°	1018	1004	963	916	847	734	568	348	110	15	9
13°	1033	1011	972	922	848	730	563	349	121	15	9
11°	1041	1017	976	923	846	724	556	350	131	15	9
9°	1044	1019	976	921	838	713	545	348	139	16	10
7°	1044	1019	974	915	826	697	530	345	144	16	10
5°	1042	1016	969	903	808	677	515	340	146	17	10
3°	1039	1012	960	888	788	654	500	336	147	17	10
1°	1033	1004	948	869	763	629	487	299	146	17	10
0°	1026	997	940	858	751	618	482	330	145	18	10
-1°	1034	992	934	851	741	609	478	297	144	18	10
-3°	1014	979	918	831	718	592	471	295	141	18	10
-5°	998	960	896	807	696	577	461	292	137	19	10
-7°	979	939	873	782	674	561	452	288	133	19	11
-9°	957	914	848	756	651	546	443	283	129	20	11
-11°	931	887	820	731	629	531	431	278	125	20	11
-13°	903	856	790	702	605	515	419	249	121	21	10
-15°	869	822	758	672	582	498	406	245	117	22	11
-17°	831	786	725	642	562	482	393	242	112	23	11
-19.5°	781	744	677	602	534	459	374	235	106	23	10
-22.5°	720	678	619	558	499	430	350	226	99	24	10
-25.5°	651	613	568	518	466	401	327	214	93	25	10
-29°	580	550	512	473	429	368	301	197	84	26	10
-33°	517	494	464	429	390	334	276	175	75	27	10
-37.5°	450	433	410	383	348	301	249	154	67	29	10
-42.5°	379	365	349	330	299	253	224	133	66	30	10
-47.5°	336	322	307	286	256	220	193	116	69	31	10
-55°	244	241	235	226	223	194	170	119	72	32	10
-65°	237	235	213	205	194	180	156	119	70	31	9
-75°	208	204	198	190	180	166	147	113	65	30	9
-85°	171	167	162	155	147	135	123	98	57	27	8
-90°	0	0	0	0	0	0	0	0	0	0	0



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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)