

**LIST OF DESCRIPTORS AND CORRESPONDING TABLE B ENTRIES
THAT DEFINE THE SUBSET USED IN THE GFS-BASED LAMP BUFR MESSAGE**

<u>Descriptor</u>	<u>Element Name</u>	<u>Unit</u>	<u>Scale</u>	<u>Ref</u>	<u>Bits</u>
0 1 63	ICAO Location Indicator	CCITT IA5	0	0	64
0 5 2	Latitude	Degrees	2	-9000	15
0 6 2	Longitude	Degrees	2	-18000	16
0 4 1	Year	Year	0	0	12
0 4 2	Month	Month	0	0	4
0 4 3	Day	Day	0	0	6
0 4 4	Hour	Hour	0	0	5
0 8 21	Time Significance	Code table	0	0	5
0 1 32	Generating Application	Code table	0	0	8
0 2 200	Objective Forecast Technique	Code table	0	0	4
0 4 24	Time Period or Displacement	Hour	0	-2048	12
0 12 104	SFC Temperature	K	2	0	16
0 12 106	SFC Dew Point Temperature	K	2	0	16
0 11 1	Wind Direction	Degree true	0	0	9
0 11 200	Wind speed (inflated)	m/s	1	0	12
0 11 41	Wind gust	m/s	1	0	12
0 11 3	U-Component	m/s	1	-4096	13
0 11 4	V-Component	m/s	1	-4096	13
0 60 1	Prob. of Liquid Equivalent Precip. > 0.01 inch during past 6 hours	%	0	0	7
0 60 2	Prob. of Liquid Equivalent Precip. > 0.01 inch during past 12 hours	%	0	0	7
0 60 79	Prob. of Thunderstorms during past 2 hours	%	0	0	7
0 60 97	Thunderstorms during past 2 hours Fcst. (Categorical)	Code table	0	0	2
0 60 20	Conditional Prob. of Precip. Type: Freezing	%	0	0	7
0 60 21	Conditional Prob. of Precip. Type: Snow	%	0	0	7
0 60 22	Conditional Prob. of Precip. Type: Liquid	%	0	0	7
0 60 91	Conditional Precip. Type Fcst. (Categorical)	Code table	0	0	3
0 60 100	Prob. of Total Sky Cover: 0/8	%	0	0	7
0 60 108	Prob. of Total Sky Cover: 1/8-2/8	%	0	0	7
0 60 109	Prob. of Total Sky Cover: 3/8-4/8	%	0	0	7
0 60 103	Prob. of Total Sky Cover: 5/8-7/8	%	0	0	7
0 60 104	Prob. of Total Sky Cover: 8/8	%	0	0	7
0 20 11	Total Sky Cover Fcst. (Categorical)	Code table	0	0	4

<u>Descriptor</u>	<u>Element Name</u>	<u>Unit</u>	<u>Scale</u>	<u>Ref</u>	<u>Bits</u>
0 60 42	Prob. of Ceiling Ht. < 200 feet	%	0	0	7
0 60 43	Prob. of Ceiling Ht. 200 - 400 feet	%	0	0	7
0 60 44	Prob. of Ceiling Ht. 500 - 900 feet	%	0	0	7
0 60 80	Prob. of Ceiling Ht. 1000 - 1900 feet	%	0	0	7
0 60 81	Prob. of Ceiling Ht. 2000 - 3000 feet	%	0	0	7
0 60 46	Prob. of Ceiling Ht. 3100 - 6500 feet	%	0	0	7
0 60 47	Prob. of Ceiling Ht. 6600 - 12000 feet	%	0	0	7
0 60 48	Prob. of Ceiling Ht. > 12000 feet	%	0	0	7
0 60 94	Ceiling Ht. Fcst. (Categorical)	Code table	0	0	4
0 60 82	Conditional Prob. of Ceiling Ht. < 200 feet	%	0	0	7
0 60 83	Conditional Prob. of Ceiling Ht. 200 - 400 feet	%	0	0	7
0 60 84	Conditional Prob. of Ceiling Ht. 500 - 900 feet	%	0	0	7
0 60 85	Conditional Prob. of Ceiling Ht. 1000 - 1900 feet	%	0	0	7
0 60 86	Conditional Prob. of Ceiling Ht. 2000 - 3000 feet	%	0	0	7
0 60 87	Conditional Prob. of Ceiling Ht. 3100 - 6500 feet	%	0	0	7
0 60 88	Conditional Prob. of Ceiling Ht. 6600 - 12000 feet	%	0	0	7
0 60 89	Conditional Prob. of Ceiling Ht. > 12000 feet	%	0	0	7
0 60 194	Conditional Ceiling Ht Fcst. (Categorical)	Code table	0	0	4
0 60 49	Prob. of Visibility < ½ mile	%	0	0	7
0 60 112	Prob. of Visibility < 1 mile	%	0	0	7
0 60 118	Prob. of Visibility < 2 miles	%	0	0	7
0 60 113	Prob. of Visibility < 3 miles	%	0	0	7
0 60 114	Prob. of Visibility ≤ 5 miles	%	0	0	7
0 60 115	Prob. of Visibility ≤ 6 miles	%	0	0	7
0 60 190	Visibility Fcst. (Categorical)	Code table	0	0	4

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0 60 200	Conditional Prob. of Visibility < ½ mile	%	0	0	7
0 60 201	Conditional Prob. of Visibility < 1 mile	%	0	0	7
0 60 202	Conditional Prob. of Visibility < 2 miles	%	0	0	7
0 60 203	Conditional Prob. of Visibility < 3 miles	%	0	0	7
0 60 204	Conditional Prob. of Visibility ≤ 5 miles	%	0	0	7
0 60 205	Conditional Prob. of Visibility ≤ 6 miles	%	0	0	7
0 60 193	Conditional Visibility Fcst. (Categorical)	Code table	0	0	4
0 60 57	Prob. of Obstruction to Vision: None	%	0	0	7
0 60 55	Prob. of Obstruction to Vision: Haze	%	0	0	7
0 60 116	Prob. of Obstruction to Vision: Mist	%	0	0	7
0 60 117	Prob. of Obstruction to Vision: Fog	%	0	0	7
0 60 54	Prob. of Obstruction to vision: Blowing phenomena	%	0	0	7
0 60 96	Obstruction to Vision Fcst. (Categorical)	Code table	0	0	3
0 60 23	Conditional Prob. of Precip. Character: Drizzle	%	0	0	7
0 60 24	Conditional Prob. of Precip. Character: Continuous	%	0	0	7
0 60 25	Conditional Prob. of Precip. Character: Showers	%	0	0	7
0 60 92	Conditional Precip. Character Categorical Fcst.	Code table	0	0	3
0 60 148	Prob. of precip. Occurrence	%	0	0	7
0 60 195	Prob. of Precip. Occurrence Fcst. (Categorical)	Code Table	0	0	2