



# RANGE TABLE

## RANGE FOR NIGHT TIME

NOMINAL RANGE SEA MILES	LUMINOUS INTENSITY CANDELAS (T=0.74)	LUMINOUS INTENSITY CANDELAS (T=0.85)
1	1 - 2	1 - 2
2	3 - 9	3 - 6
3	10 - 23	7 - 15
4	24 - 53	16 - 29
5	54 - 107	30 - 51
6	108 - 203	52 - 84
7	204 - 365	85 - 131
8	365 - 632	132 - 199
9	633 - 1,066	200 - 294
10	1,070 - 1,750	295 - 421
11	1,760 - 2,840	422 - 594
12	2,850 - 4,530	595 - 827
13	4,540 - 7,130	828 - 1,136
14	7,140 - 11,100	1,137 - 1,543
15	11,200 - 17,100	1,544 - 2,077
16	17,200 - 26,100	2,078 - 2,771
17	26,200 - 39,700	2,772 - 3,671
18	39,800 - 59,900	3,672 - 4,831
19	60,000 - 89,800	4,832 - 6,320
20	89,900 - 133,000	6,321 - 8,226
21	134,000 - 198,000	8,227 - 10,654
22	199,000 - 293,000	10,655 - 13,741
23	294,000 - 432,000	13,742 - 17,651
24	433,000 - 634,000	17,652 - 22,592
25	635,000 - 926,000	22,593 - 28,820
26	927,000 - 1,350,000	28,821 - 36,652
27	1,360,000 - 1,960,000	36,653 - 46,480
28	1,970,000 - 2,840,000	46,481 - 58,787
29	2,850,000 - 4,110,000	58,788 - 74,170
30	4,120,000 - 5,930,000	74,171 - 93,364
31	5,940,000 - 8,530,000	93,365 - 117,271
32	8,540,000 - 12,200,000	117,272 - 147,004
33	12,300,000 - 17,500,000	147,005 - 183,927
34	17,600,000 - 25,100,000	183,928 - 229,713
35	25,200,000 - 35,900,000	229,714 - 286,416
36	36,000,000 - 51,200,000	286,417 - 356,548
37	51,300,000 - 72,900,000	356,549 - 443,187
38	73,000,000 - 103,000,000	443,188 - 550,096
39	104,000,000 - 147,000,000	550,097 - 681,873
40	148,000,000 - 209,000,000	681,874 - 844,135

# RANGE TABLE

## NOMINAL RANGE FOR DAY TIME (T=0.74)

NOMINAL RANGE SEA MILES	LUMINOUS INTENSITY CANDELAS
1	1 - 12,000
2	12,100 - 45,300
3	45,400 - 119,000
4	120,000 - 267,000
5	268,000 - 538,000
6	539,000 - 1,010,000
7	1,020,000 - 1,820,000
8	1,830,000 - 3,160,000
9	3,170,000 - 5,320,000
10	5,330,000 - 8,780,000
11	8,790,000 - 14,200,000
12	14,300,000 - 22,600,000
13	22,700,000 - 35,600,000
14	35,700,000 - 55,500,000
15	55,600,000 - 85,600,000
16	85,700,000 - 130,000,000
17	131,000,000 - 198,000,000
18	199,000,000 - 299,000,000
19	300,000,000 - 449,000,000
20	450,000,000 - 669,000,000
21	670,000,000 - 993,000,000
22	994,000,000 - 1,460,000,000

## IDENTIFICATION DISTANCE OF DAYMARKS

MINIMUM VISIBILITY (nm)	HEIGHT OF DAYMARKS IN METRES PROPORTIONS: Height = 2 x Width				
	1.8	2.4	3.7	4.9	7.3
1	0.5	0.7	0.9	1.0	1.1
2	0.6	0.9	1.2	1.4	1.5
3	0.6	1.1	1.5	1.9	2.1
4	0.7	1.3	1.8	2.3	2.7
5	0.8	1.5	2.1	2.7	3.3
6	0.8	1.6	2.3	2.9	3.6
7	0.9	1.7	2.4	3.3	4.0
8	0.9	1.7	2.6	3.5	4.2
9	0.9	1.9	2.8	3.8	4.5
10	1.0	2.0	3.0	4.0	5.0



Marine Aids to Navigation  
Philippines - Australia - Belize



**Philippines Office**  
Ground Floor, Bonifacio Ridge  
1st Avenue, Bonifacio Global City  
Taguig City, 1634, Metro Manila  
Philippines



[www.m-nav.com](http://www.m-nav.com)



[info@m-nav.com](mailto:info@m-nav.com)

**Australian Office**  
6 Satellite Street  
Clifton Beach 4879  
Queensland, Australia

