

Obscuration Table



Light Transmission	Obscuration (1.52m/5 foot light beam)			Optical Density (1.52m/5 foot light beam)			dB Attenuation		
	Total Obscuration	Obscuration (Ou)	Obscuration (Ou)	Total Optical Density	Optical Density (OD)	Optical Density (OD)	Total dB Attenuation	dB Attenuation	dB Attenuation
	% entire distance	% per metre	% per foot	% entire distance	per metre	per foot	% entire distance	per metre	per foot
100.0	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
99.5	0.5	0.3284	0.1002	0.0022	0.0014	0.0004	0.0218	0.0143	0.0044
99.0	1.0	0.6573	0.2008	0.0044	0.0029	0.0009	0.0436	0.0286	0.0087
98.5	1.5	0.9868	0.3018	0.0066	0.0043	0.0013	0.0656	0.0431	0.0131
98.0	2.0	1.3169	0.4032	0.0088	0.0058	0.0018	0.0877	0.0576	0.0175
97.5	2.5	1.6476	0.5051	0.0110	0.0072	0.0022	0.1100	0.0721	0.0220
97.0	3.0	1.9788	0.6073	0.0132	0.0087	0.0026	0.1323	0.0868	0.0265
96.5	3.5	2.3106	0.7100	0.0155	0.0102	0.0031	0.1547	0.1015	0.0309
96.0	4.0	2.6431	0.8131	0.0177	0.0116	0.0035	0.1773	0.1163	0.0355
95.5	4.5	2.9761	0.9167	0.0200	0.0131	0.0040	0.2000	0.1312	0.0400
95.0	5.0	3.3097	1.0206	0.0223	0.0146	0.0045	0.2228	0.1462	0.0446
94.5	5.5	3.6439	1.1250	0.0246	0.0161	0.0049	0.2457	0.1612	0.0491
94.0	6.0	3.9787	1.2299	0.0269	0.0176	0.0054	0.2687	0.1763	0.0537
93.5	6.5	4.3142	1.3352	0.0292	0.0192	0.0058	0.2919	0.1915	0.0584
93.0	7.0	4.6503	1.4409	0.0315	0.0207	0.0063	0.3152	0.2068	0.0630
92.5	7.5	4.9869	1.5471	0.0339	0.0222	0.0068	0.3386	0.2222	0.0677
92.0	8.0	5.3243	1.6538	0.0362	0.0238	0.0072	0.3621	0.2376	0.0724
91.5	8.5	5.6622	1.7609	0.0386	0.0253	0.0077	0.3858	0.2531	0.0772
91.0	9.0	6.0008	1.8685	0.0410	0.0269	0.0082	0.4096	0.2688	0.0819
90.5	9.5	6.3400	1.9766	0.0434	0.0284	0.0087	0.4335	0.2845	0.0867
90.0	10.0	6.6799	2.0852	0.0458	0.0300	0.0092	0.4576	0.3002	0.0915
89.5	10.5	7.0204	2.1942	0.0482	0.0316	0.0096	0.4818	0.3161	0.0964
89.0	11.0	7.3615	2.3037	0.0506	0.0332	0.0101	0.5061	0.3321	0.1012
88.5	11.5	7.7034	2.4137	0.0531	0.0348	0.0106	0.5306	0.3481	0.1061
88.0	12.0	8.0459	2.5243	0.0555	0.0364	0.0111	0.5552	0.3643	0.1110
87.5	12.5	8.3890	2.6353	0.0580	0.0381	0.0116	0.5799	0.3805	0.1160
87.0	13.0	8.7329	2.7468	0.0605	0.0397	0.0121	0.6048	0.3969	0.1210
86.5	13.5	9.0774	2.8589	0.0630	0.0413	0.0126	0.6298	0.4133	0.1260
86.0	14.0	9.4226	2.9714	0.0655	0.0430	0.0131	0.6550	0.4298	0.1310
85.5	14.5	9.7685	3.0845	0.0680	0.0446	0.0136	0.6803	0.4464	0.1361
85.0	15.0	10.1151	3.1981	0.0706	0.0463	0.0141	0.7058	0.4631	0.1412
84.5	15.5	10.4623	3.3123	0.0731	0.0480	0.0146	0.7314	0.4799	0.1463
84.0	16.0	10.8103	3.4270	0.0757	0.0497	0.0151	0.7572	0.4969	0.1514
83.5	16.5	11.1591	3.5422	0.0783	0.0514	0.0157	0.7831	0.5139	0.1566
83.0	17.0	11.5085	3.6580	0.0809	0.0531	0.0162	0.8092	0.5310	0.1618
82.5	17.5	11.8586	3.7744	0.0835	0.0548	0.0167	0.8355	0.5482	0.1671
82.0	18.0	12.2095	3.8913	0.0862	0.0566	0.0172	0.8619	0.5655	0.1724
81.5	18.5	12.5611	4.0088	0.0888	0.0583	0.0178	0.8884	0.5830	0.1777
81.0	19.0	12.9135	4.1268	0.0915	0.0600	0.0183	0.9151	0.6005	0.1830
80.5	19.5	13.2666	4.2455	0.0942	0.0618	0.0188	0.9420	0.6181	0.1884
80.0	20.0	13.6205	4.3648	0.0969	0.0636	0.0194	0.9691	0.6359	0.1938
79.5	20.5	13.9751	4.4846	0.0996	0.0654	0.0199	0.9963	0.6538	0.1993
79.0	21.0	14.3305	4.6050	0.1024	0.0672	0.0205	1.0237	0.6717	0.2047
78.5	21.5	14.6867	4.7261	0.1051	0.0690	0.0210	1.0513	0.6898	0.2103
78.0	22.0	15.0436	4.8478	0.1079	0.0708	0.0216	1.0791	0.7080	0.2158
77.5	22.5	15.4014	4.9701	0.1107	0.0726	0.0221	1.1070	0.7264	0.2214
77.0	23.0	15.7599	5.0930	0.1135	0.0745	0.0227	1.1351	0.7448	0.2270
76.5	23.5	16.1192	5.2166	0.1163	0.0763	0.0233	1.1634	0.7634	0.2327
76.0	24.0	16.4794	5.3408	0.1192	0.0782	0.0238	1.1919	0.7821	0.2384
75.5	24.5	16.8403	5.4657	0.1221	0.0801	0.0244	1.2205	0.8009	0.2441
75.0	25.0	17.2021	5.5912	0.1249	0.0820	0.0250	1.2494	0.8198	0.2499
74.5	25.5	17.5647	5.7175	0.1278	0.0839	0.0256	1.2784	0.8389	0.2557
74.0	26.0	17.9282	5.8444	0.1308	0.0858	0.0262	1.3077	0.8581	0.2615
73.5	26.5	18.2925	5.9719	0.1337	0.0877	0.0267	1.3371	0.8774	0.2674
73.0	27.0	18.6576	6.1002	0.1367	0.0897	0.0273	1.3668	0.8968	0.2734

Light Transmission	Obscuration (1.52m/5 foot light beam)			Optical Density (1.52m/5 foot light beam)			dB Attenuation		
	Light Transmission %	Total Obscuration entire distance	Obscuration (Ou) % per metre	Obscuration (Ou) % per foot	Total Optical Density entire distance	Optical Density (OD) per metre	Optical Density (OD) per foot	Total dB Attenuation entire distance	dB Attenuation per metre
72.5	27.5	19.0236	6.2292	0.1397	0.0916	0.0279	1.3966	0.9164	0.2793
72.0	28.0	19.3905	6.3589	0.1427	0.0936	0.0285	1.4267	0.9361	0.2853
71.5	28.5	19.7583	6.4893	0.1457	0.0956	0.0291	1.4569	0.9560	0.2914
71.0	29.0	20.1269	6.6205	0.1487	0.0976	0.0297	1.4874	0.9760	0.2975
70.5	29.5	20.4964	6.7524	0.1518	0.0996	0.0304	1.5181	0.9961	0.3036
70.0	30.0	20.8669	6.8850	0.1549	0.1016	0.0310	1.5490	1.0164	0.3098
69.5	30.5	21.2382	7.0184	0.1580	0.1037	0.0316	1.5802	1.0368	0.3160
69.0	31.0	21.6105	7.1526	0.1612	0.1057	0.0322	1.6115	1.0574	0.3223
68.5	31.5	21.9837	7.2875	0.1643	0.1078	0.0329	1.6431	1.0781	0.3286
68.0	32.0	22.3578	7.4233	0.1675	0.1099	0.0335	1.6749	1.0990	0.3350
67.5	32.5	22.7329	7.5598	0.1707	0.1120	0.0341	1.7070	1.1201	0.3414
67.0	33.0	23.1089	7.6972	0.1739	0.1141	0.0348	1.7393	1.1412	0.3479
66.5	33.5	23.4859	7.8354	0.1772	0.1163	0.0354	1.7718	1.1626	0.3544
66.0	34.0	23.8639	7.9744	0.1805	0.1184	0.0361	1.8046	1.1841	0.3609
65.5	34.5	24.2429	8.1142	0.1838	0.1206	0.0368	1.8376	1.2058	0.3675
65.0	35.0	24.6228	8.2549	0.1871	0.1228	0.0374	1.8709	1.2276	0.3742
64.5	35.5	25.0038	8.3965	0.1904	0.1250	0.0381	1.9044	1.2496	0.3809
64.0	36.0	25.3858	8.5390	0.1938	0.1272	0.0388	1.9382	1.2718	0.3876
63.5	36.5	25.7688	8.6823	0.1972	0.1294	0.0394	1.9723	1.2941	0.3945
63.0	37.0	26.1529	8.8266	0.2007	0.1317	0.0401	2.0066	1.3167	0.4013
62.5	37.5	26.5380	8.9718	0.2041	0.1339	0.0408	2.0412	1.3394	0.4082
62.0	38.0	26.9241	9.1179	0.2076	0.1362	0.0415	2.0761	1.3623	0.4152
61.5	38.5	27.3113	9.2650	0.2111	0.1385	0.0422	2.1112	1.3853	0.4222
61.0	39.0	27.6997	9.4130	0.2147	0.1409	0.0429	2.1467	1.4086	0.4293
60.5	39.5	28.0891	9.5620	0.2182	0.1432	0.0436	2.1824	1.4321	0.4365
60.0	40.0	28.4796	9.7120	0.2218	0.1456	0.0444	2.2185	1.4557	0.4437
59.5	40.5	28.8712	9.8629	0.2255	0.1480	0.0451	2.2548	1.4795	0.4510
59.0	41.0	29.2640	10.0149	0.2291	0.1504	0.0458	2.2915	1.5036	0.4583
58.5	41.5	29.6579	10.1680	0.2328	0.1528	0.0466	2.3284	1.5278	0.4657
58.0	42.0	30.0530	10.3221	0.2366	0.1552	0.0473	2.3657	1.5523	0.4731
57.5	42.5	30.4493	10.4772	0.2403	0.1577	0.0481	2.4033	1.5770	0.4807
57.0	43.0	30.8467	10.6335	0.2441	0.1602	0.0488	2.4413	1.6019	0.4883
56.5	43.5	31.2453	10.7908	0.2480	0.1627	0.0496	2.4795	1.6270	0.4959
56.0	44.0	31.6452	10.9492	0.2518	0.1652	0.0504	2.5181	1.6523	0.5036
55.5	44.5	32.0463	11.1088	0.2557	0.1678	0.0511	2.5571	1.6779	0.5114
55.0	45.0	32.4486	11.2696	0.2596	0.1704	0.0519	2.5964	1.7037	0.5193
54.5	45.5	32.8522	11.4315	0.2636	0.1730	0.0527	2.6360	1.7297	0.5272
54.0	46.0	33.2571	11.5946	0.2676	0.1756	0.0535	2.6761	1.7559	0.5352
53.5	46.5	33.6632	11.7589	0.2716	0.1782	0.0543	2.7165	1.7825	0.5433
53.0	47.0	34.0707	11.9245	0.2757	0.1809	0.0551	2.7572	1.8092	0.5514
52.5	47.5	34.4795	12.0913	0.2798	0.1836	0.0560	2.7984	1.8362	0.5597
52.0	48.0	34.8896	12.2594	0.2840	0.1863	0.0568	2.8400	1.8635	0.5680
51.5	48.5	35.3011	12.4288	0.2882	0.1891	0.0576	2.8819	1.8910	0.5764
51.0	49.0	35.7139	12.5995	0.2924	0.1919	0.0585	2.9243	1.9188	0.5849
50.5	49.5	36.1282	12.7715	0.2967	0.1947	0.0593	2.9671	1.9469	0.5934
50.0	50.0	36.5438	12.9449	0.3010	0.1975	0.0602	3.0103	1.9753	0.6021
49.5	50.5	36.9609	13.1198	0.3054	0.2004	0.0611	3.0539	2.0039	0.6108
49.0	51.0	37.3795	13.2960	0.3098	0.2033	0.0620	3.0980	2.0328	0.6196
48.5	51.5	37.7995	13.4737	0.3143	0.2062	0.0629	3.1426	2.0621	0.6285
48.0	52.0	38.2210	13.6528	0.3188	0.2092	0.0638	3.1876	2.0916	0.6375
47.5	52.5	38.6440	13.8334	0.3233	0.2121	0.0647	3.2331	2.1214	0.6466
47.0	53.0	39.0686	14.0156	0.3279	0.2152	0.0656	3.2790	2.1516	0.6558
46.5	53.5	39.4947	14.1993	0.3325	0.2182	0.0665	3.3255	2.1821	0.6651
46.0	54.0	39.9224	14.3847	0.3372	0.2213	0.0674	3.3724	2.2129	0.6745
45.5	54.5	40.3517	14.5716	0.3420	0.2244	0.0684	3.4199	2.2440	0.6840
45.0	55.0	40.7826	14.7602	0.3468	0.2276	0.0694	3.4679	2.2755	0.6936
44.5	55.5	41.2152	14.9505	0.3516	0.2307	0.0703	3.5164	2.3073	0.7033
44.0	56.0	41.6494	15.1424	0.3565	0.2340	0.0713	3.5655	2.3395	0.7131
43.5	56.5	42.0854	15.3362	0.3615	0.2372	0.0723	3.6151	2.3721	0.7230
43.0	57.0	42.5230	15.5317	0.3665	0.2405	0.0733	3.6653	2.4051	0.7331

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42.5	57.5	42.9625	15.7291	0.3716	0.2438	0.0743	3.7161	2.4384	0.7432
42.0	58.0	43.4037	15.9283	0.3768	0.2472	0.0754	3.7675	2.4721	0.7535
41.5	58.5	43.8467	16.1294	0.3820	0.2506	0.0764	3.8195	2.5062	0.7639
41.0	59.0	44.2915	16.3325	0.3872	0.2541	0.0774	3.8722	2.5408	0.7744
40.5	59.5	44.7383	16.5376	0.3925	0.2576	0.0785	3.9254	2.5758	0.7851
40.0	60.0	45.1869	16.7447	0.3979	0.2611	0.0796	3.9794	2.6112	0.7959
39.5	60.5	45.6374	16.9539	0.4034	0.2647	0.0807	4.0340	2.6470	0.8068
39.0	61.0	46.0900	17.1652	0.4089	0.2683	0.0818	4.0894	2.6833	0.8179
38.5	61.5	46.5445	17.3787	0.4145	0.2720	0.0829	4.1454	2.7201	0.8291
38.0	62.0	47.0010	17.5944	0.4202	0.2757	0.0840	4.2022	2.7573	0.8404
37.5	62.5	47.4597	17.8124	0.4260	0.2795	0.0852	4.2597	2.7951	0.8519
37.0	63.0	47.9204	18.0328	0.4318	0.2833	0.0864	4.3180	2.8333	0.8636
36.5	63.5	48.3833	18.2555	0.4377	0.2872	0.0875	4.3771	2.8721	0.8754
36.0	64.0	48.8483	18.4807	0.4437	0.2911	0.0887	4.4370	2.9114	0.8874
35.5	64.5	49.3156	18.7084	0.4498	0.2951	0.0900	4.4977	2.9513	0.8995
35.0	65.0	49.7852	18.9387	0.4559	0.2992	0.0912	4.5593	2.9917	0.9119
34.5	65.5	50.2570	19.1716	0.4622	0.3033	0.0924	4.6218	3.0327	0.9244
34.0	66.0	50.7313	19.4073	0.4685	0.3074	0.0937	4.6852	3.0743	0.9370
33.5	66.5	51.2079	19.6457	0.4750	0.3117	0.0950	4.7496	3.1165	0.9499
33.0	67.0	51.6870	19.8870	0.4815	0.3159	0.0963	4.8149	3.1594	0.9630
32.5	67.5	52.1686	20.1313	0.4881	0.3203	0.0976	4.8812	3.2029	0.9762
32.0	68.0	52.6527	20.3786	0.4949	0.3247	0.0990	4.9485	3.2470	0.9897
31.5	68.5	53.1394	20.6290	0.5017	0.3292	0.1003	5.0169	3.2919	1.0034
31.0	69.0	53.6289	20.8825	0.5086	0.3338	0.1017	5.0864	3.3375	1.0173
30.5	69.5	54.1210	21.1394	0.5157	0.3384	0.1031	5.1570	3.3839	1.0314
30.0	70.0	54.6159	21.3997	0.5229	0.3431	0.1046	5.2288	3.4310	1.0458
29.5	70.5	55.1137	21.6635	0.5302	0.3479	0.1060	5.3018	3.4789	1.0604
29.0	71.0	55.6143	21.9308	0.5376	0.3528	0.1075	5.3760	3.5276	1.0752
28.5	71.5	56.1180	22.2019	0.5452	0.3577	0.1090	5.4516	3.5771	1.0903
28.0	72.0	56.6247	22.4768	0.5528	0.3628	0.1106	5.5284	3.6276	1.1057
27.5	72.5	57.1345	22.7557	0.5607	0.3679	0.1121	5.6067	3.6789	1.1213
27.0	73.0	57.6475	23.0386	0.5686	0.3731	0.1137	5.6864	3.7312	1.1373
26.5	73.5	58.1638	23.3258	0.5768	0.3784	0.1154	5.7675	3.7845	1.1535
26.0	74.0	58.6834	23.6174	0.5850	0.3839	0.1170	5.8503	3.8388	1.1701
25.5	74.5	59.2065	23.9134	0.5935	0.3894	0.1187	5.9346	3.8941	1.1869
25.0	75.0	59.7332	24.2142	0.6021	0.3951	0.1204	6.0206	3.9505	1.2041
24.5	75.5	60.2634	24.5198	0.6108	0.4008	0.1222	6.1083	4.0081	1.2217
24.0	76.0	60.7974	24.8304	0.6198	0.4067	0.1240	6.1979	4.0669	1.2396
23.5	76.5	61.3353	25.1462	0.6289	0.4127	0.1258	6.2893	4.1269	1.2579
23.0	77.0	61.8771	25.4675	0.6383	0.4188	0.1277	6.3827	4.1881	1.2765
22.5	77.5	62.4229	25.7944	0.6478	0.4251	0.1296	6.4782	4.2508	1.2956
22.0	78.0	62.9730	26.1272	0.6576	0.4315	0.1315	6.5758	4.3148	1.3152
21.5	78.5	63.5273	26.4661	0.6676	0.4380	0.1335	6.6756	4.3803	1.3351
21.0	79.0	64.0861	26.8113	0.6778	0.4447	0.1356	6.7778	4.4474	1.3556
20.5	79.5	64.6496	27.1632	0.6882	0.4516	0.1376	6.8825	4.5161	1.3765
20.0	80.0	65.2177	27.5220	0.6990	0.4586	0.1398	6.9897	4.5864	1.3979
19.5	80.5	65.7908	27.8881	0.7100	0.4659	0.1420	7.0997	4.6586	1.4199
19.0	81.0	66.3689	28.2618	0.7212	0.4733	0.1442	7.2125	4.7326	1.4425
18.5	81.5	66.9523	28.6434	0.7328	0.4809	0.1466	7.3283	4.8086	1.4657
18.0	82.0	67.5411	29.0333	0.7447	0.4887	0.1489	7.4473	4.8867	1.4895
17.5	82.5	68.1356	29.4320	0.7570	0.4967	0.1514	7.5696	4.9669	1.5139
17.0	83.0	68.7360	29.8400	0.7696	0.5050	0.1539	7.6955	5.0495	1.5391
16.5	83.5	69.3424	30.2576	0.7825	0.5135	0.1565	7.8252	5.1346	1.5650
16.0	84.0	69.9552	30.6855	0.7959	0.5222	0.1592	7.9588	5.2223	1.5918
15.5	84.5	70.5747	31.1243	0.8097	0.5313	0.1619	8.0967	5.3128	1.6193
15.0	85.0	71.2010	31.5745	0.8239	0.5406	0.1648	8.2391	5.4062	1.6478
14.5	85.5	71.8346	32.0368	0.8386	0.5503	0.1677	8.3863	5.5028	1.6773
14.0	86.0	72.4757	32.5121	0.8539	0.5603	0.1708	8.5387	5.6028	1.7077
13.5	86.5	73.1247	33.0012	0.8697	0.5706	0.1739	8.6967	5.7065	1.7393
13.0	87.0	73.7821	33.5050	0.8861	0.5814	0.1772	8.8606	5.8140	1.7721

Light Transmission Light Transmission %	Obscuration (1.52m/5 foot light beam)			Optical Density (1.52m/5 foot light beam)			dB Attenuation		
	Total Obscuration entire distance	Obscuration (Ou) % per metre	Obscuration (Ou) % per foot	Total Optical Density entire distance	Optical Density (OD) per metre	Optical Density (OD) per foot	Total dB Attenuation entire distance	dB Attenuation per metre	dB Attenuation per foot
12.5	87.5	74.4482	34.0246	0.9031	0.5926	0.1806	9.0309	5.9258	1.8062
12.0	88.0	75.1236	34.5611	0.9208	0.6042	0.1842	9.2082	6.0421	1.8416
11.5	88.5	75.8087	35.1157	0.9393	0.6163	0.1879	9.3930	6.1634	1.8786
11.0	89.0	76.5041	35.6900	0.9586	0.6290	0.1917	9.5861	6.2901	1.9172
10.5	89.5	77.2105	36.2856	0.9788	0.6423	0.1958	9.7881	6.4226	1.9576
10.0	90.0	77.9285	36.9043	1.0000	0.6562	0.2000	10.0000	6.5617	2.0000
9.5	90.5	78.6590	37.5482	1.0223	0.6708	0.2045	10.2228	6.7079	2.0446
9.0	91.0	79.4028	38.2199	1.0458	0.6862	0.2092	10.4576	6.8619	2.0915
8.5	91.5	80.1610	38.9221	1.0706	0.7025	0.2141	10.7058	7.0248	2.1412
8.0	92.0	80.9347	39.6582	1.0969	0.7198	0.2194	10.9691	7.1976	2.1938
7.5	92.5	81.7253	40.4321	1.1249	0.7381	0.2250	11.2494	7.3815	2.2499
7.0	93.0	82.5341	41.2484	1.1549	0.7578	0.2310	11.5490	7.5781	2.3098
6.5	93.5	83.3631	42.1128	1.1871	0.7789	0.2374	11.8709	7.7893	2.3742
6.0	94.0	84.2144	43.0321	1.2218	0.8017	0.2444	12.2185	8.0174	2.4437
5.5	94.5	85.0904	44.0149	1.2596	0.8265	0.2519	12.5964	8.2653	2.5193
5.0	95.0	85.9943	45.0720	1.3010	0.8537	0.2602	13.0103	8.5369	2.6021
4.5	95.5	86.9298	46.2173	1.3468	0.8837	0.2694	13.4679	8.8372	2.6936
4.0	96.0	87.9019	47.4694	1.3979	0.9173	0.2796	13.9794	9.1728	2.7959
3.5	96.5	88.9168	48.8538	1.4559	0.9553	0.2912	14.5593	9.5534	2.9119
3.0	97.0	89.9830	50.4066	1.5229	0.9993	0.3046	15.2288	9.9926	3.0458
2.5	97.5	91.1125	52.1824	1.6021	1.0512	0.3204	16.0206	10.5122	3.2041
2.0	98.0	92.3230	54.2695	1.6990	1.1148	0.3398	16.9897	11.1481	3.3979
1.5	98.5	93.6436	56.8264	1.8239	1.1968	0.3648	18.2391	11.9679	3.6478
1.0	99.0	95.1285	60.1893	2.0000	1.3123	0.4000	20.0000	13.1234	4.0000
0.5	99.5	96.9087	65.3428	2.3010	1.5099	0.4602	23.0103	15.0986	4.6021
0.0	100.0	100.0000	100.0000						