

W255BO Relative Field Maximums H & V

Degrees	Rel Field V 180w ERP	Rel Field H 90w ERP	Polarization Max (Composite)
0	0.020	0.218	0.155 H (H field compared to V ERP)
10	0.020	0.242	0.171 H (H field compared to V ERP)
20	0.030	0.250	0.178 H (H field compared to V ERP)
30	0.185	0.260	0.185 V
40	0.410	0.250	0.410 V
50	0.600	0.242	0.600 V
60	0.735	0.218	0.735 V
70	0.840	0.175	0.840 V
80	0.923	0.145	0.923 V
90	0.980	0.097	0.980 V
100	1.0	0.070	1.0 V
110	0.980	0.055	0.980 V
120	0.923	0.050	0.923 V
130	0.840	0.075	0.840 V
140	0.735	0.190	0.735 V
150	0.600	0.345	0.600 V
160	0.410	0.510	0.410 V
170	0.185	0.675	0.477 H (H field compared to V ERP)
180	0.030	0.808	0.572 H (H field compared to V ERP)
190	0.020	0.915	0.647 H (H field compared to V ERP)
200	0.020	0.978	0.692 H (H field compared to V ERP)
210	0.020	1.0	0.707 H (H field compared to V ERP)
220	0.020	0.978	0.692 H (H field compared to V ERP)
230	0.025	0.915	0.647 H (H field compared to V ERP)
240	0.125	0.808	0.572 H (H field compared to V ERP)
250	0.195	0.675	0.477 H (H field compared to V ERP)
260	0.230	0.510	0.375 H (H field compared to V ERP)
270	0.250	0.345	0.250 V
280	0.260	0.190	0.260 V
290	0.250	0.075	0.250 V
300	0.230	0.050	0.230 V
310	0.195	0.055	0.195 V
320	0.125	0.070	0.125 V
330	0.025	0.097	0.070 H (H field compared to V ERP)
340	0.020	0.145	0.102 H (H field compared to V ERP)
350	0.020	0.175	0.123 H (H field compared to V ERP)

Note: V Pattern Main Lobe at 100 degrees, Relative Field=1.0 (180 watts)
H Pattern Main Lobe at 210 degrees, Relative Field=0.707 (90 watts)
(0.707 Field of total max ERP of 180 watts is 1.0 Field of max horizontal power of 90 watts)