

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	838.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	107.4V x 113.0H
	At 50% of Imax	68.0V x 47.8H
	At 90% of Imax	25.4V x 20.4H

Beam Flux	Total	1044.9 lumens per klm.
	To 10% of Imax	958.3 lumens per klm.
	To 50% of Imax	526.6 lumens per klm.
	To 90% of Imax	102.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	104.5 %

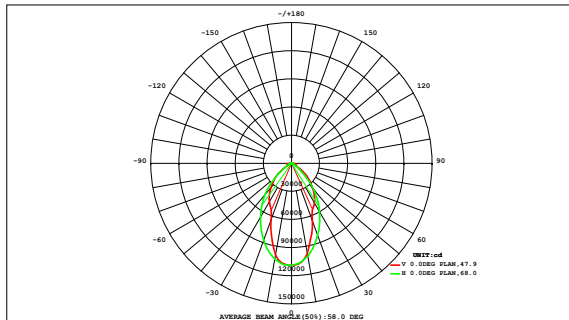
Luminaire Efficiency (Light Output Ratio)	104.5 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 October 2022

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98ANTARES1000/BL	Imax (cd)	109006
NOMINAL POWER (W)	1000	AVAILABILITY (%)	95.8
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	124599
NOMINAL FLUX (lm)	130000	LOR (%)	104.5
LAMPS INSIDE	1	TOTAL FLUX (lm)	135915
TEST VOLTAGE (V)	230	θ @50% (H,V)	48,68DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.64	1.68	3.61	7.52	9.72	13.2	16.0	15.6	12.9	12.6	14.2	14.1	12.0	8.88	6.52	3.06	1.45	0.37	154	0.00
90	1.94	5.16	12.7	28.4	42.9	56.4	67.8	71.9	67.1	65.6	67.3	62.4	52.2	39.4	26.4	11.3	5.23	1.39	685	0.00
80	3.24	7.25	20.6	49.7	77.4	97.2	120	141	148	147	137	115	93.1	73.8	47.1	19.0	7.56	2.61	1308	0.00
70	4.89	9.25	28.3	69.8	112	164	241	313	350	347	306	232	157	109	68.0	27.4	9.31	4.25	2551	859
60	6.59	11.5	33.9	87.6	182	361	600	830	964	959	816	584	344	171	86.3	33.3	11.7	6.09	6088	5403
50	8.13	13.6	38.1	118	329	654	1042	1427	1660	1654	1409	1022	637	308	110	37.2	14.5	7.78	10490	10071
40	9.65	15.8	41.9	170	477	884	1386	1929	2287	2286	1908	1358	860	459	152	40.6	17.5	9.33	14293	13983
30	11.0	17.6	44.9	220	570	1022	1566	2293	2844	2858	2275	1531	993	552	200	43.0	19.9	10.6	17070	16798
20	11.6	18.3	46.2	244	611	1064	1535	2422	3175	3201	2420	1498	1032	592	226	43.8	20.9	11.1	18170	17926
10	11.2	18.2	45.6	239	603	1056	1536	2377	3123	3140	2410	1506	1025	584	223	43.5	20.7	10.8	17971	17727
0	9.86	17.4	43.4	205	546	990	1519	2176	2701	2715	2200	1502	964	528	190	41.9	19.3	9.22	16376	16105
-10	8.16	15.6	40.0	151	436	823	1288	1774	2101	2110	1782	1275	801	418	139	39.0	16.6	7.25	13227	12906
-20	6.45	13.1	35.7	105	278	569	914	1250	1456	1458	1246	897	547	262	97.1	35.6	13.5	5.49	9190	8738
-30	4.92	10.7	31.1	79.6	149	282	468	648	753	749	634	449	266	141	76.7	31.2	10.6	4.00	4788	3959
-40	3.60	8.38	24.9	61.6	96.1	131	182	228	251	249	221	173	125	93.3	59.9	24.3	8.04	2.79	1942	124
-50	2.43	6.64	16.9	41.1	63.5	79.1	93.9	108	112	111	106	91.1	76.5	60.8	39.3	16.0	6.08	1.84	1032	0.00
-60	1.41	4.52	9.41	21.2	29.8	38.6	46.0	47.1	42.9	42.5	47.1	46.0	38.0	28.4	19.9	8.76	3.87	1.11	477	0.00
-70	0.46	1.28	2.36	4.75	6.26	8.20	9.66	10.7	8.50	8.36	9.69	9.42	8.26	6.03	4.46	2.23	1.10	0.38	102	0.00
-80	0.46	1.28	2.36	4.75	6.26	8.20	9.66	10.7	8.50	8.36	9.69	9.42	8.26	6.03	4.46	2.23	1.10	0.38	102	0.00
-90	0.46	1.28	2.36	4.75	6.26	8.20	9.66	10.7	8.50	8.36	9.69	9.42	8.26	6.03	4.46	2.23	1.10	0.38	102	0.00
HORIZONTAL (DEG)																				
Φ t	106	196	520	1903	4620	8293	12632	18061	22057	22113	18007	12365	8030	4434	1772	501	208	96.41	135915	---
Φ a	0.00	0.00	0.00	850	3800	7545	11908	17322	21307	21361	17278	11646	7279	3601	703	0.00	0.00	0.00	---	124599

one-half-peak spread: U:32.8,D:35.8 , L:24.9,R:23.8

NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:03 October 2022

V(B) Range:-85 - 85DEG

V(B) Interval: 2.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

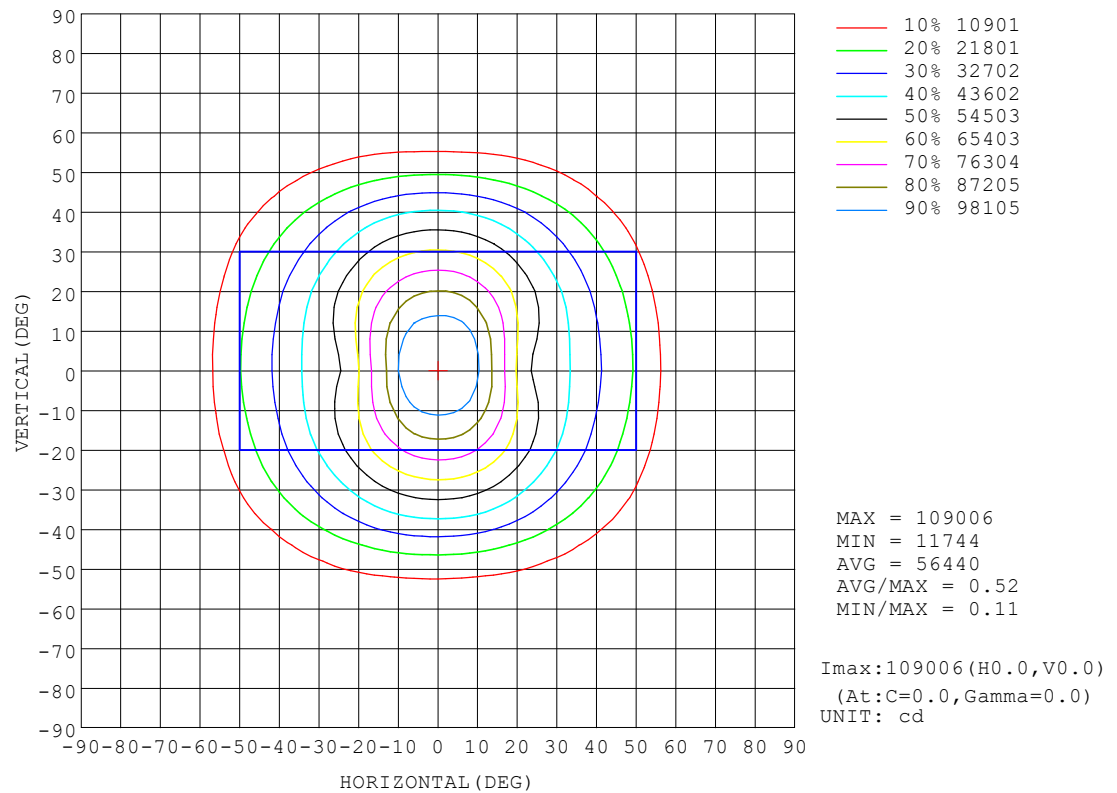
Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

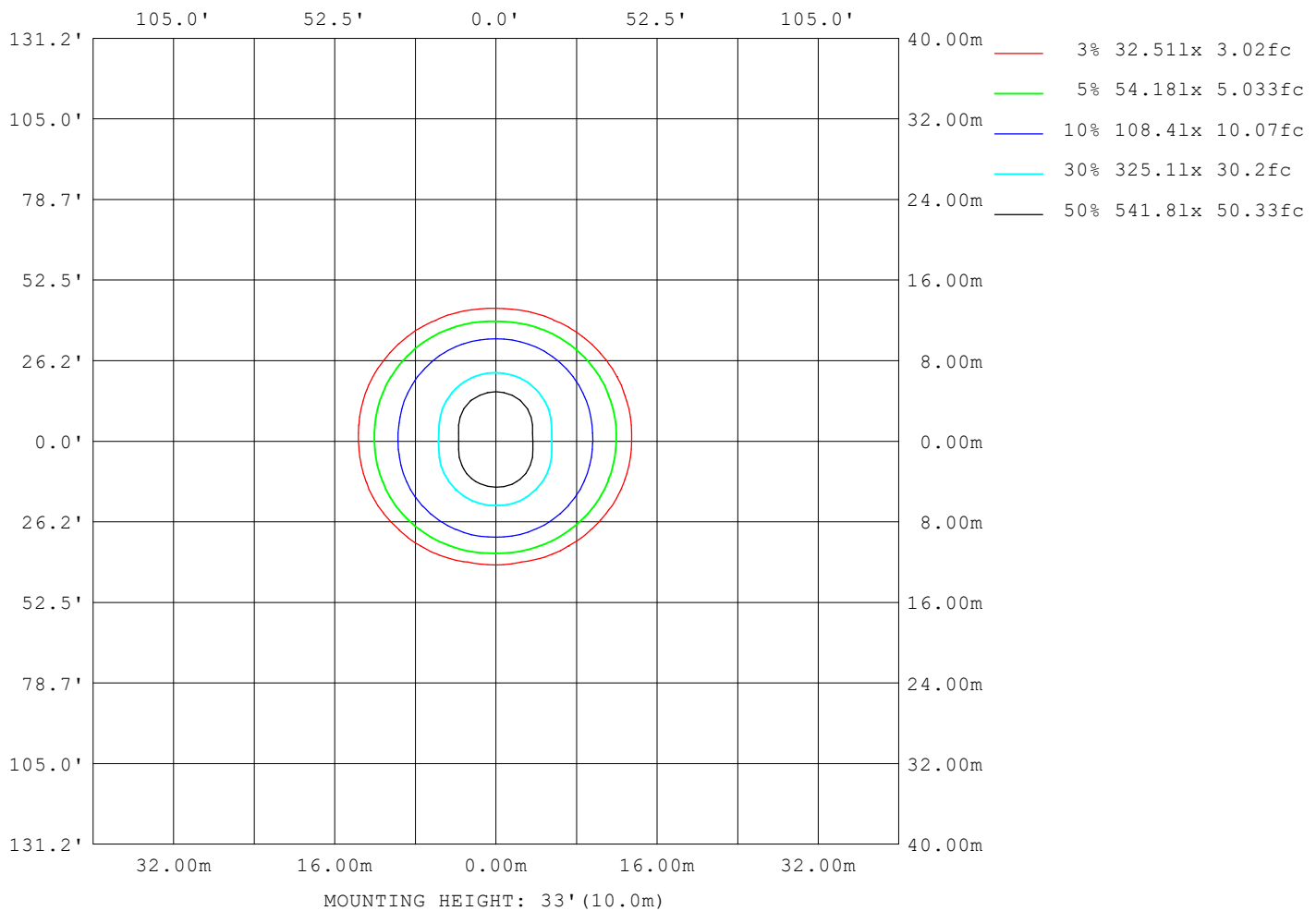


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 October 2022

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

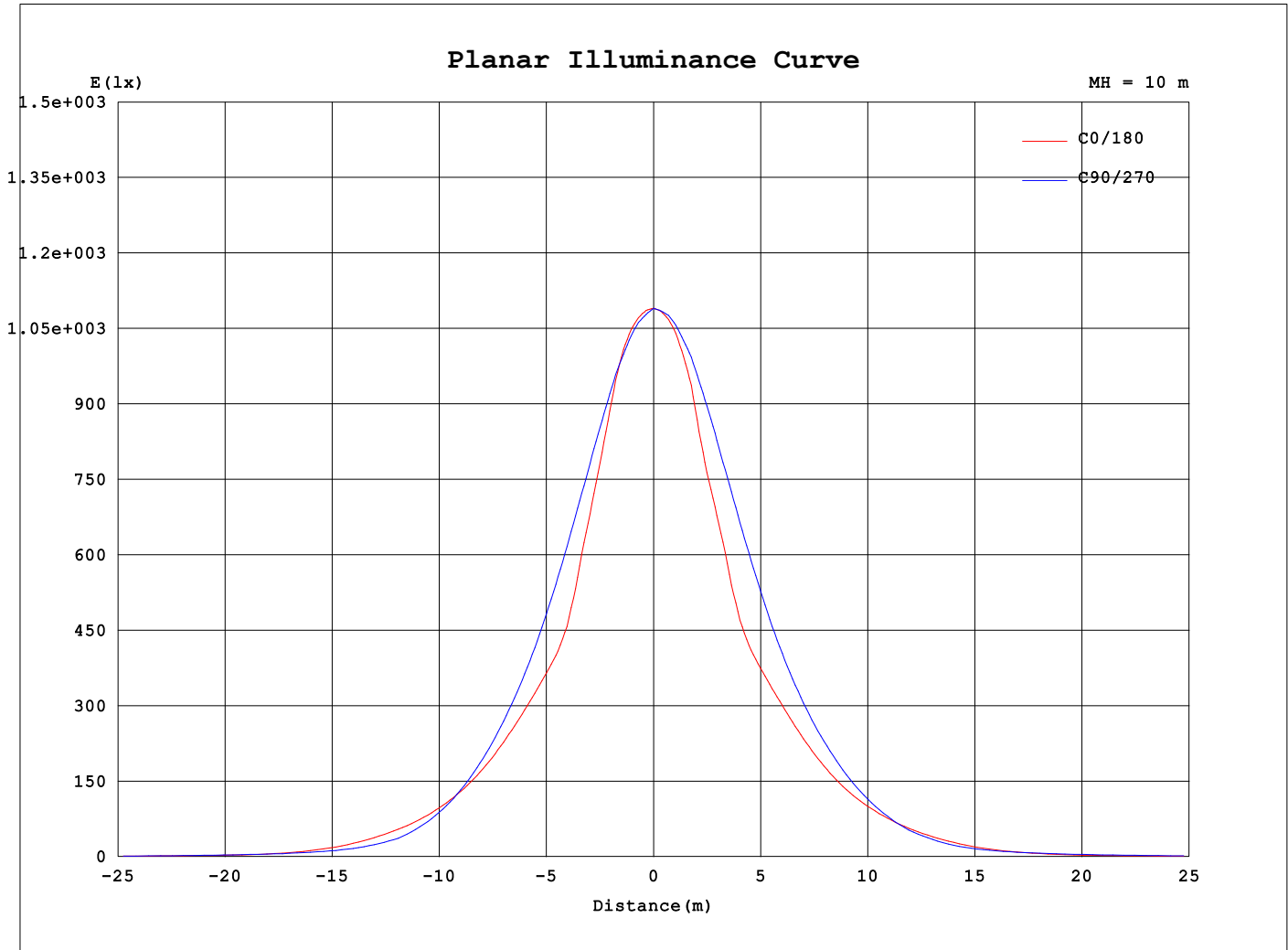
NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:03 October 2022

V(B) Range:-85 - 85DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

Planar Illuminance Curve

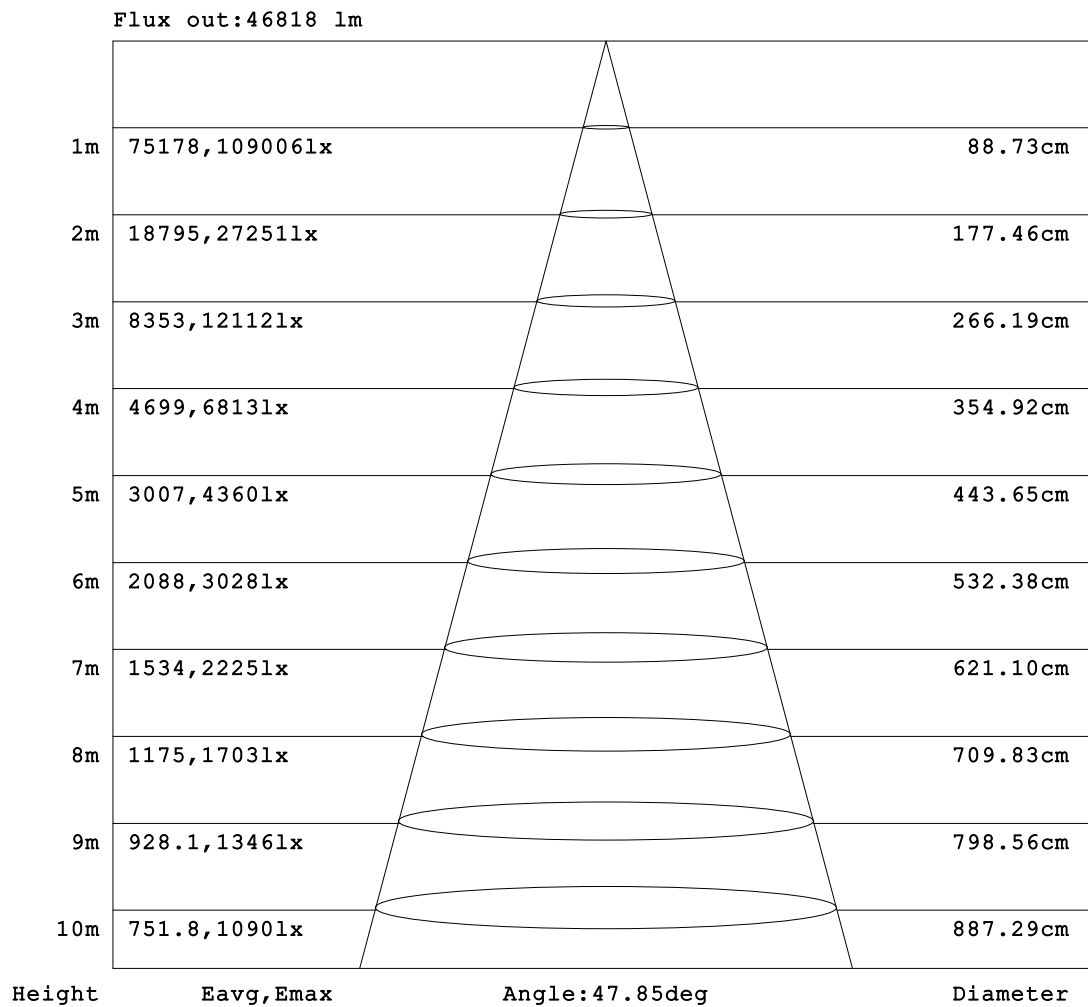


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 October 2022

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

AAI Figure

NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:03 October 2022

V(B) Range:-85 - 85DEG
 V(B) Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

Table--1

UNIT: X100cd

H (DEG) V (DEG)	-90	-86	-80	-76	-70	-66	-60	-56	-50	-46	-40	-36	-30	-26	-20	-16	-10	-6	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	2.90	3.42	3.92	4.07	3.76	4.31	5.76	7.22	7.86	7.57	7.39	8.34	8.62	9.13	9.24	8.79	7.54	7.03	6.81
-75	2.82	4.07	5.79	6.04	5.05	6.24	8.92	10.8	12.0	12.0	12.5	13.2	14.2	14.7	14.4	14.0	12.9	12.1	11.3
-70	2.89	5.01	8.59	8.04	6.75	9.01	13.8	16.9	19.6	21.1	23.4	24.5	25.1	25.6	26.2	26.0	25.4	24.6	23.1
-65	2.84	5.71	10.3	8.53	8.04	11.0	17.5	21.4	25.7	27.5	29.7	30.2	31.1	31.9	33.6	34.5	35.1	34.9	34.2
-60	2.74	6.72	13.1	9.34	10.1	14.2	22.9	28.5	34.4	36.9	38.2	39.1	41.5	43.9	47.4	49.4	50.7	51.1	51.1
-55	2.70	7.72	15.1	9.92	11.8	16.7	26.2	32.7	40.2	42.7	45.1	48.1	54.4	59.2	65.1	68.2	71.1	72.2	72.6
-50	2.37	8.98	18.3	11.2	14.3	19.8	30.4	38.1	48.2	52.1	60.7	68.8	84.0	95.3	112	122	133	136	138
-45	2.56	10.1	20.5	12.1	16.0	21.6	32.7	42.1	54.2	61.6	79.5	96.3	126	148	177	195	215	223	227
-40	2.56	11.3	24.3	13.8	17.8	23.5	35.9	47.9	65.9	84.3	124	156	208	241	290	319	352	366	373
-35	2.36	12.3	27.1	15.0	18.7	24.7	38.7	52.6	81.2	111	165	206	267	307	365	400	441	458	468
-30	2.10	13.3	32.1	17.1	19.8	26.2	42.8	61.0	110	154	225	272	344	392	465	509	562	586	600
-25	1.78	14.1	35.4	18.5	20.7	27.2	46.2	70.7	133	183	258	308	387	441	524	577	641	669	687
-20	1.68	14.7	40.6	20.9	21.6	28.4	51.1	86.2	163	217	298	354	443	504	600	666	752	793	817
-15	1.71	15.6	43.0	21.8	22.3	29.2	55.7	97.8	180	235	317	377	469	531	632	713	817	870	898
-10	1.72	16.9	46.2	22.9	22.9	29.8	60.8	111	200	255	339	399	489	549	660	767	903	972	1004
-5	1.74	20.9	46.5	22.7	23.3	30.3	64.1	117	208	264	347	408	491	542	660	782	945	1021	1053
0	1.75	19.3	47.4	23.1	23.5	30.4	65.4	121	214	271	355	413	490	528	651	784	981	1058	1090
5	1.76	23.2	46.5	22.8	23.6	30.6	66.0	122	214	270	354	413	491	533	662	794	977	1053	1084
10	1.73	23.9	45.4	23.0	23.3	30.3	63.6	116	207	263	346	406	494	551	678	797	939	1010	1040
15	1.73	24.7	43.4	22.4	23.2	30.2	61.3	110	198	253	336	397	490	553	670	771	892	953	981
20	1.72	23.8	40.5	21.3	22.4	29.5	55.1	95.3	178	233	314	373	466	531	635	712	806	850	874
25	1.87	23.3	37.3	19.8	21.9	29.0	51.4	85.2	161	213	292	347	435	498	594	659	738	772	792
30	2.31	21.9	33.0	17.6	20.9	27.6	45.7	68.8	128	177	251	300	377	432	514	565	625	650	663
35	2.81	21.2	29.9	16.1	20.3	26.8	42.9	60.9	107	148	216	262	332	380	452	496	547	567	578
40	2.95	19.6	26.2	14.4	19.1	25.2	38.8	51.7	78.9	104	155	195	254	293	350	384	422	438	447
45	3.00	17.9	23.7	13.3	18.3	24.1	36.7	48.0	65.6	82.6	118	147	195	227	272	299	330	343	349
50	3.47	16.0	20.6	11.9	16.3	22.0	33.4	42.3	53.6	59.6	73.9	87.2	113	132	158	174	191	198	201
55	3.57	13.6	18.5	11.0	14.7	20.4	31.1	38.8	48.6	51.9	59.4	66.1	79.5	89.7	104	112	120	123	124
60	3.60	11.2	15.6	9.80	12.1	17.1	26.4	33.3	40.6	43.1	45.0	47.1	51.2	55.0	60.0	62.7	64.3	64.9	65.2
65	3.64	9.68	13.3	9.11	10.5	14.7	23.1	28.6	34.7	37.3	38.9	40.1	42.3	44.4	48.0	49.9	51.2	51.5	51.4
70	3.67	7.53	9.82	8.13	8.27	11.2	17.8	21.1	25.7	27.7	30.2	30.9	32.1	33.3	35.3	36.3	35.6	35.2	34.7
75	3.71	6.64	8.08	7.25	7.07	9.42	14.0	16.9	19.4	21.1	23.3	24.2	25.4	26.2	26.9	26.6	25.7	24.6	22.8
80	3.75	5.42	5.77	5.30	5.24	6.68	9.05	10.7	12.0	12.0	12.8	13.7	15.7	15.9	15.4	14.7	13.2	11.8	11.1
85	3.80	4.56	4.42	4.02	3.96	4.70	6.09	7.48	7.93	7.69	8.16	9.02	9.65	9.82	9.61	9.25	7.80	7.07	7.02
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:03 October 2022

V(B) Range:-85 - 85DEG

V(B) Interval: 2.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98ANTARES1000/BL	TYPE:	WEIGHT: 30
SPEC.:	DIM.: 842 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

Table--2

UNIT: X100cd

H (DEG) V (DEG)	4	10	14	20	24	30	34	40	44	50	54	60	64	70	74	80	84	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	6.70	7.49	8.51	9.29	9.25	8.86	8.65	7.47	7.04	7.20	7.11	5.54	4.43	3.31	3.16	3.46	2.84	1.56	
-75	11.5	13.0	13.9	14.7	15.0	14.6	13.5	12.3	11.6	11.4	10.8	8.35	6.48	4.64	4.38	4.67	3.79	1.57	
-70	23.7	25.0	25.2	25.5	25.2	24.2	23.6	22.2	20.7	18.6	17.2	12.8	9.93	6.39	6.25	6.70	5.08	1.58	
-65	34.3	34.5	34.0	32.7	31.5	30.0	29.4	28.5	27.2	24.2	21.9	16.8	12.3	7.77	7.24	8.28	6.09	1.58	
-60	50.9	50.1	48.9	46.0	43.6	40.1	38.6	37.3	36.4	33.1	29.7	22.7	16.4	9.56	8.26	10.8	7.85	1.59	
-55	72.0	69.8	67.4	62.3	58.2	51.6	47.5	43.7	42.1	38.8	34.5	25.8	19.3	11.1	8.85	12.8	9.14	1.56	
-50	137	130	122	107	96.2	79.2	68.9	57.3	52.4	46.8	41.0	30.3	23.1	13.9	10.2	16.0	11.7	1.44	
-45	224	212	198	171	151	119	99.2	74.5	62.5	52.1	44.8	32.4	24.8	15.5	11.3	18.5	13.2	1.37	
-40	370	350	328	285	251	200	166	118	90.1	62.1	50.9	35.3	27.1	17.8	12.9	22.5	16.1	1.35	
-35	464	441	414	361	321	258	217	157	120	76.0	55.7	36.9	28.2	18.6	13.9	26.0	17.8	1.30	
-30	595	565	531	463	412	336	287	216	170	104	68.4	40.1	30.0	19.9	15.5	31.6	21.9	1.22	
-25	681	645	604	523	465	379	325	248	199	126	80.8	42.4	30.9	20.6	16.5	36.0	23.8	1.23	
-20	809	760	706	600	531	435	375	289	236	158	103	46.9	32.4	21.7	17.9	41.9	27.4	1.13	
-15	889	828	761	631	557	458	397	308	253	173	116	49.6	32.9	22.2	18.7	45.6	29.8	1.07	
-10	994	917	832	662	573	478	419	329	274	193	133	54.6	33.7	22.8	19.4	49.7	35.5	1.06	
-5	1042	958	855	658	558	478	424	337	282	200	139	56.1	33.6	22.9	19.5	51.6	37.5	1.06	
0	1080	992	858	642	537	476	428	345	289	207	146	58.1	33.7	23.1	19.5	52.8	39.9	1.07	
5	1076	987	856	650	544	476	427	343	288	206	144	57.5	33.7	23.0	19.6	52.9	39.7	1.07	
10	1033	949	847	664	571	481	424	336	281	200	138	56.4	34.0	22.9	19.4	51.5	39.4	1.08	
15	974	897	812	655	573	476	416	326	271	190	128	54.0	33.8	22.6	19.3	49.7	38.2	1.19	
20	866	807	743	625	553	455	393	304	251	169	110	50.4	33.4	22.1	18.8	45.5	36.7	1.23	
25	784	735	683	584	519	425	365	283	231	150	95.7	47.4	32.5	21.4	18.2	42.2	34.4	1.22	
30	656	621	582	506	451	369	317	244	195	117	76.7	43.9	31.3	20.6	16.6	36.6	31.9	1.29	
35	572	542	509	444	396	324	278	209	161	95.8	66.9	41.3	30.0	19.8	15.5	33.2	29.3	1.28	
40	442	419	394	344	307	248	208	148	111	72.2	57.4	38.3	28.3	18.7	14.0	28.1	26.1	1.37	
45	345	326	306	266	236	188	156	109	85.7	63.2	52.8	36.2	27.0	17.5	12.9	25.5	23.4	1.42	
50	198	188	177	154	137	107	89.4	70.0	61.9	53.3	46.3	33.1	25.1	15.4	11.3	21.4	17.8	1.43	
55	123	118	112	100	91.0	76.3	67.4	57.3	52.8	47.6	41.9	30.2	23.1	13.5	10.3	19.0	15.9	1.41	
60	64.9	64.0	62.7	58.9	55.4	49.8	46.6	43.5	42.5	39.0	34.5	26.0	19.4	11.0	9.37	15.1	12.6	1.41	
65	51.2	50.6	49.4	46.4	44.0	40.5	38.8	37.5	36.4	32.7	29.1	22.3	16.2	9.57	9.29	12.4	9.78	1.40	
70	34.3	34.4	34.5	33.6	32.2	30.4	29.9	28.7	26.9	23.6	21.6	16.4	12.1	7.55	8.75	8.70	6.89	1.40	
75	23.3	24.6	24.9	25.0	24.5	23.6	22.8	21.3	19.9	18.2	16.7	12.7	9.62	6.40	7.28	6.83	5.39	1.39	
80	11.3	12.1	12.8	13.8	14.2	13.8	13.3	11.5	11.1	11.1	10.5	7.70	6.48	4.61	4.61	4.32	3.45	1.39	
85	6.90	7.29	8.05	8.66	8.63	8.45	8.33	7.39	6.95	7.10	6.71	5.05	4.29	3.25	3.19	2.88	2.42	1.38	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:03 October 2022

V(B) Range:-85 - 85DEG

V(B) Interval: 2.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: