

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	797.8 cd per klm.
(Luminaire orientation as tested.)	4.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	107.0V x 112.2H
	At 50% of Imax	67.9V x 47.5H
	At 90% of Imax	25.2V x 23.3H

Beam Flux	Total	984.7 lumens per klm.
	To 10% of Imax	902.7 lumens per klm.
	To 50% of Imax	487.1 lumens per klm.
	To 90% of Imax	109.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	98.5 %

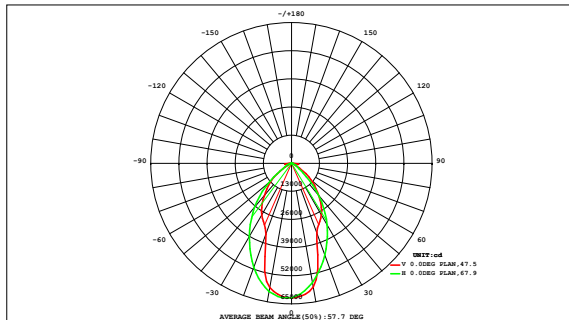
Luminaire Efficiency (Light Output Ratio)	98.5 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 October 2022

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: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98ANTARES600/BL	Imax (cd)	62231
NOMINAL POWER (W)	600	AVAILABILITY (%)	90.4
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	70492
NOMINAL FLUX (lm)	78000	LOR (%)	98.5
LAMPS INSIDE	1	TOTAL FLUX (lm)	76854
TEST VOLTAGE (V)	230	θ @50% (H,V)	48,68DEG

90 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	0.21	0.95	1.81	3.98	5.43	7.34	9.01	8.82	7.49	7.36	8.46	8.50	7.06	5.41	3.78	1.62	0.80	0.15	88.2	0.00		
0.90	3.31	6.52	15.8	23.6	31.4	36.7	39.6	37.8	37.6	38.6	35.5	30.2	23.9	16.2	6.36	2.89	0.63	388	0.00			
1.88	4.43	10.9	27.5	43.2	52.8	65.5	78.4	83.7	83.6	78.2	65.2	51.7	43.1	28.3	11.1	4.25	1.41	735	0.00			
3.02	5.57	15.3	38.1	60.6	90.3	141	192	222	223	195	144	92.3	60.9	39.3	15.7	5.33	2.59	1546	679			
4.06	6.95	18.2	46.9	98.1	209	355	501	593	594	504	361	215	100	48.9	18.8	6.75	3.68	3684	3317			
5.02	8.44	20.4	60.6	185	371	594	827	978	977	825	599	378	188	63.3	21.4	8.21	4.61	6114	5886			
5.98	9.81	22.2	88.0	267	495	772	1089	1337	1344	1089	772	497	270	89.7	23.4	9.58	5.46	8185	8009			
6.86	10.4	23.3	117	315	569	847	1267	1658	1675	1276	844	568	317	117	24.5	10.5	6.17	9652	9501			
7.17	10.4	23.6	131	337	595	832	1357	1832	1847	1373	833	593	338	131	24.6	10.7	6.44	10282	10142			
6.65	10.1	24.1	127	332	591	867	1369	1779	1781	1384	876	592	332	127	24.4	10.5	6.07	10240	10098			
5.57	9.34	24.0	105	300	547	852	1230	1513	1514	1240	861	550	299	106	23.7	9.71	5.32	9196	9036			
4.24	8.00	22.5	76.1	235	448	708	982	1160	1163	990	713	447	235	75.3	21.9	8.44	4.10	7304	7108			
3.13	6.72	20.0	56.5	142	303	491	677	792	793	680	490	300	140	54.6	19.7	7.16	2.94	4978	4703			
2.35	5.46	17.1	45.7	77.8	144	241	335	392	391	334	239	141	75.9	44.7	17.2	5.60	2.25	2511	1995			
1.56	4.33	13.5	34.5	54.1	70.0	94.5	117	128	128	117	93.6	69.3	53.7	34.7	13.6	4.25	1.51	1032	19.1			
0.88	3.67	8.90	22.1	35.4	44.8	53.4	62.5	65.5	65.8	63.2	54.2	45.3	35.7	22.5	8.98	3.24	0.83	597	0.00			
0.35	2.17	4.75	11.0	15.7	21.5	26.1	26.9	24.3	24.7	28.1	27.5	22.5	16.2	11.1	4.62	1.97	0.37	270	0.00			
0.05	0.43	1.00	2.10	2.95	4.06	4.92	5.52	4.51	4.47	5.50	5.18	4.18	2.96	2.09	0.97	0.44	0.07	51.4	0.00			
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)						20	30	40	50	60	70	80	90	
Φ t	59.9	110	278	1008	2530	4594	6991	10166	12607	12655	10229	7020	4605	2538	1015	283	110	54.6	76854	---		
Φ a	0.00	0.00	0.00	402	2059	4166	6585	9749	12208	12255	9812	6611	4183	2065	398	0.00	0.00	0.00	---	70492		

one-half-peak spread: U:35.7,D:32.7 , L:24.4,R:24.2

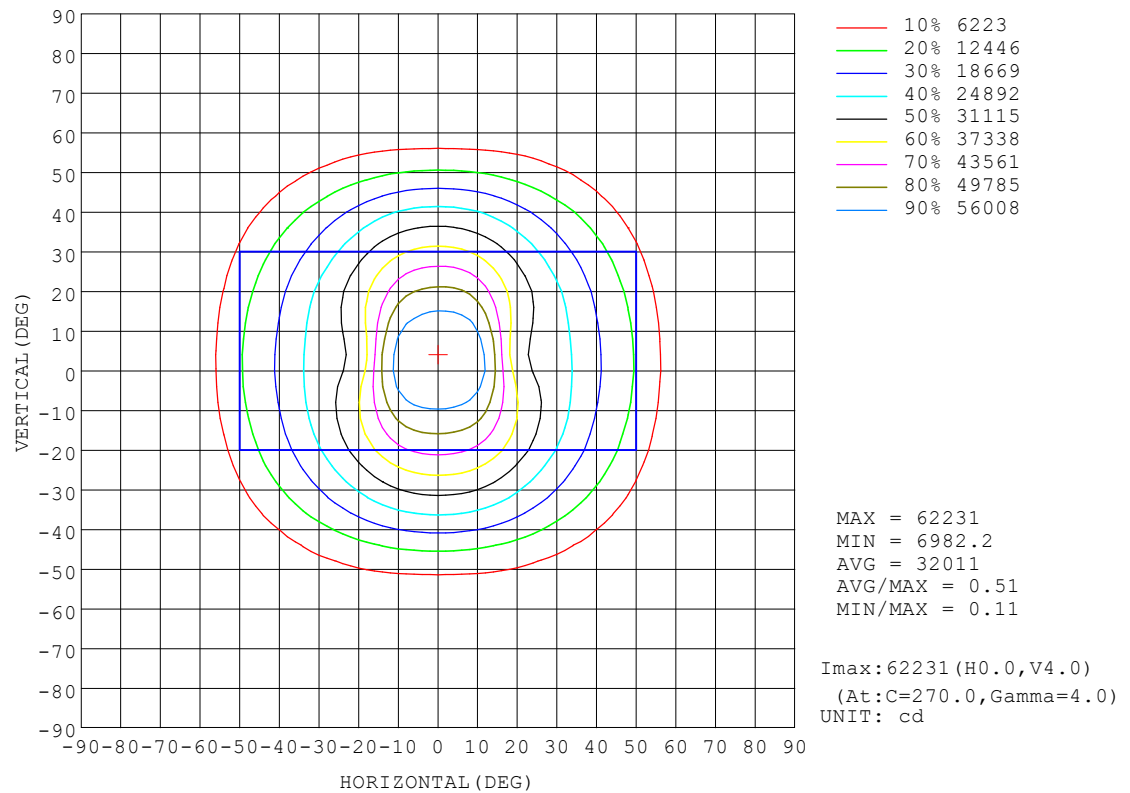
NEMA Beam Type: Type 6

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: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

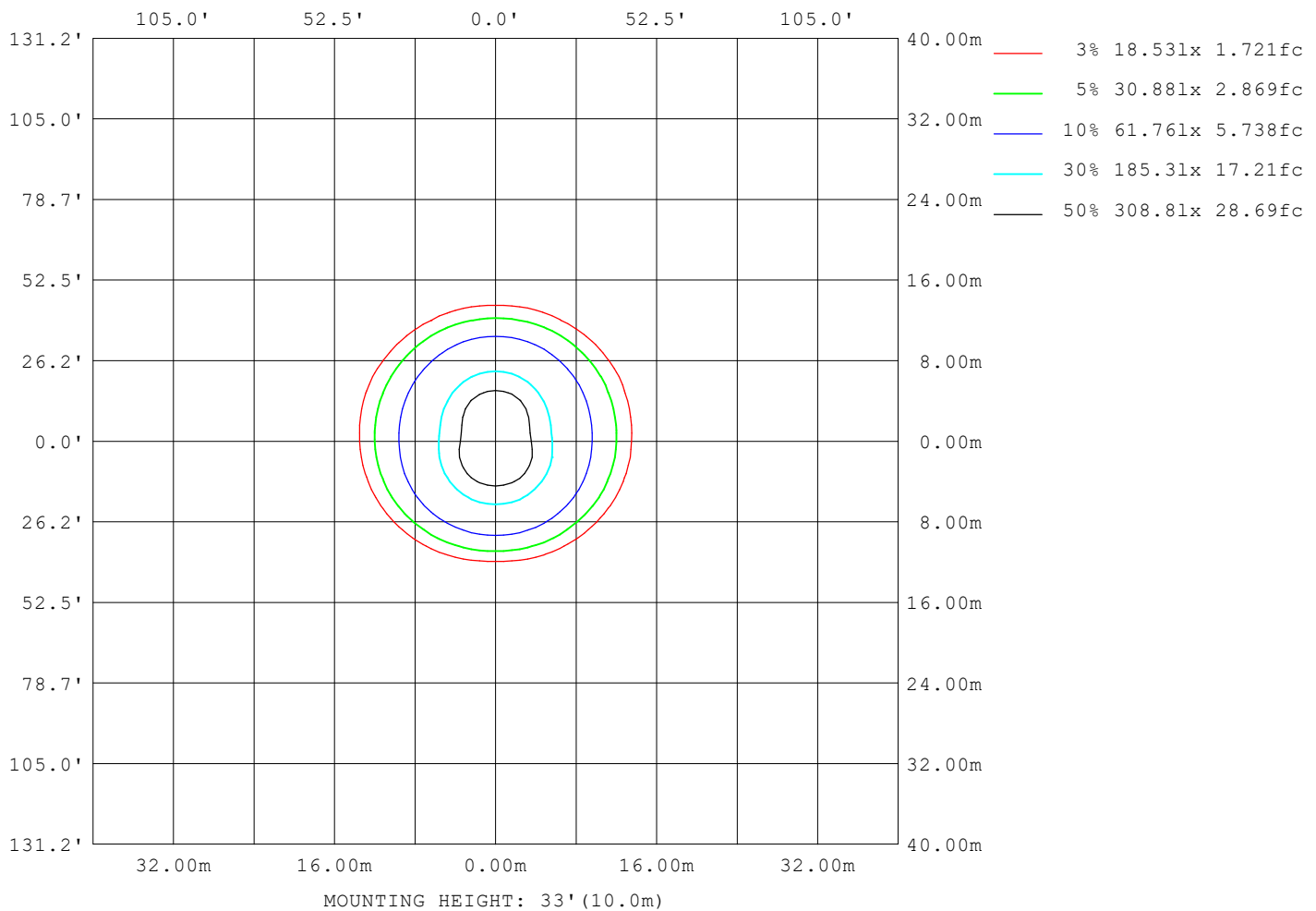


H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:03 October 2022

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

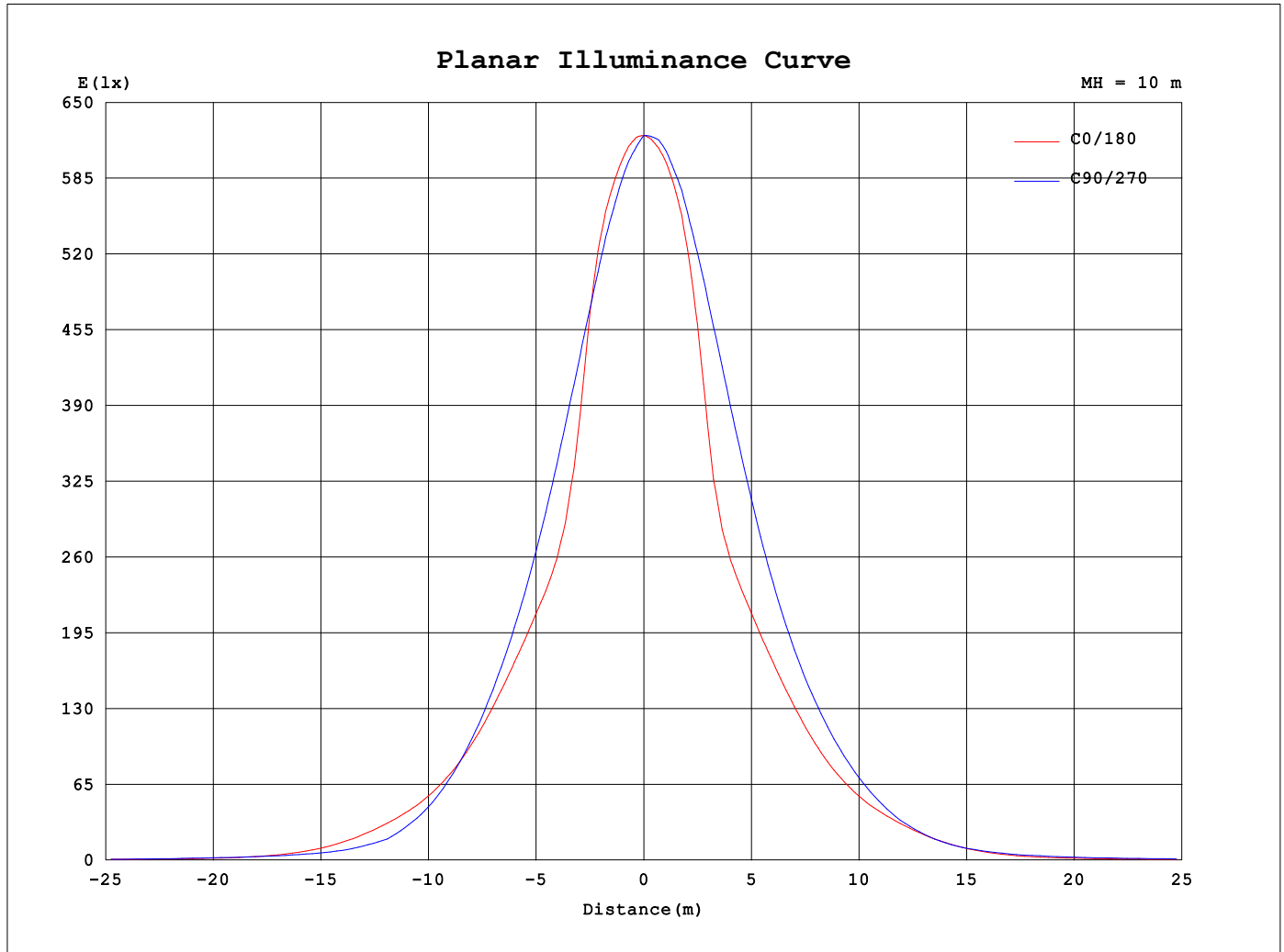
NAME: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:



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

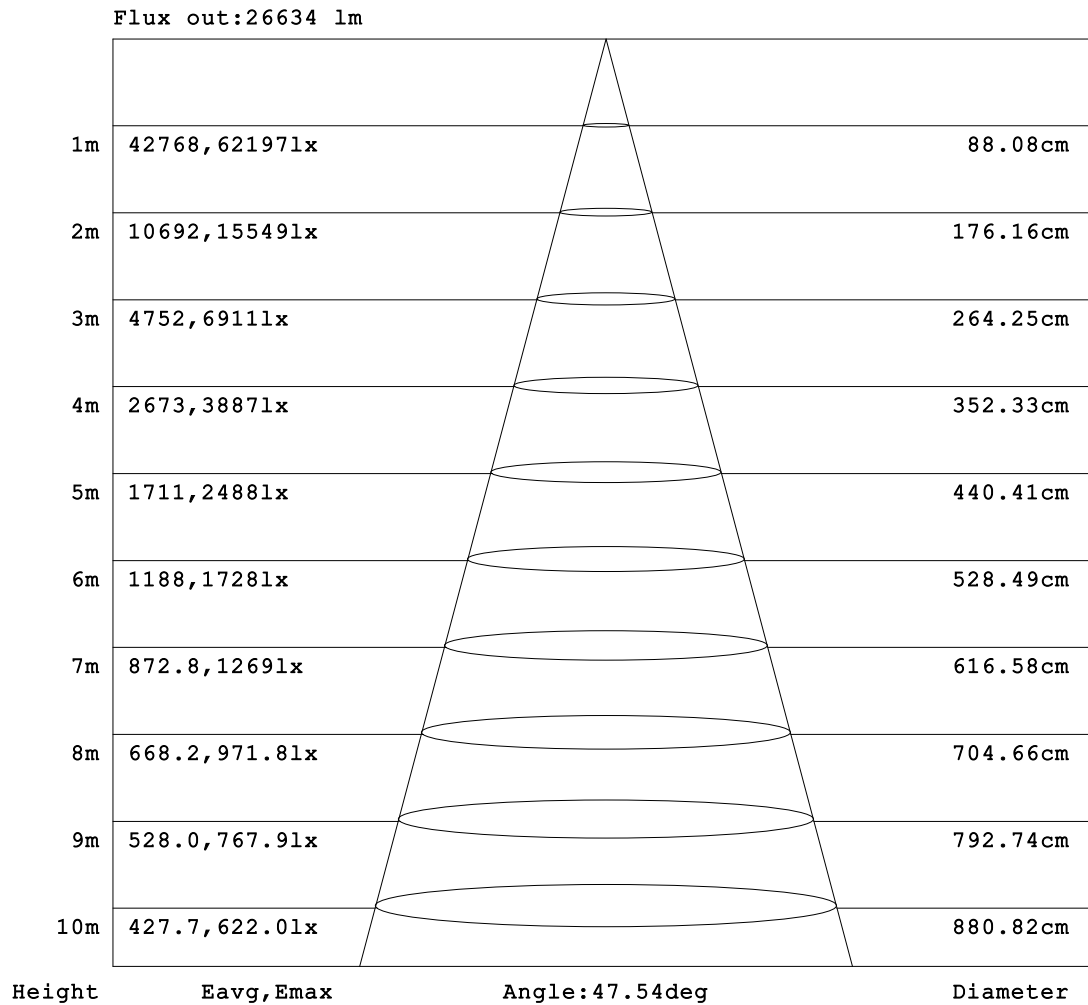


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:03 October 2022

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: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 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: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

Table--1

UNIT: X10cd

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	1.59	2.24	10.9	14.8	17.1	19.9	27.3	31.7	40.7	38.0	37.2	43.2	44.5	48.3	49.4	47.0	41.1	38.1	37.3
-75	1.63	4.27	20.5	26.5	25.6	31.0	43.4	56.4	62.5	62.9	66.2	72.3	79.4	83.3	81.9	79.2	74.5	68.9	62.9
-70	1.62	10.5	34.5	45.2	35.1	46.9	74.5	89.4	105	112	131	139	142	145	152	150	147	144	130
-65	1.63	15.9	44.1	51.2	42.7	57.4	93.7	116	136	152	169	172	175	182	196	201	207	206	204
-60	1.68	22.8	58.3	50.9	52.0	75.5	127	155	191	208	218	219	232	243	263	275	284	286	286
-55	1.70	30.7	70.1	51.1	60.2	88.1	146	181	227	242	251	259	289	312	342	355	369	373	375
-50	1.71	40.4	88.5	53.9	75.0	106	168	219	275	291	322	357	424	479	561	607	661	678	689
-45	1.70	47.2	105	57.7	83.3	117	186	242	307	334	400	484	643	753	906	998	1107	1148	1171
-40	1.73	53.9	128	64.8	94.2	129	206	274	358	416	628	812	1085	1266	1529	1686	1873	1950	1996
-35	1.76	58.7	145	69.6	100	136	222	297	410	545	869	1092	1423	1640	1961	2155	2387	2481	2538
-30	1.75	62.8	144	78.0	107	145	242	331	539	803	1209	1464	1862	2135	2539	2793	3095	3219	3296
-25	1.78	66.4	190	83.8	111	151	258	362	676	983	1400	1670	2113	2423	2886	3185	3546	3695	3776
-20	1.78	77.8	233	94.6	117	158	278	418	872	1193	1621	1936	2442	2791	3342	3718	4214	4410	4506
-15	1.83	75.8	257	99.8	121	162	293	475	986	1297	1738	2076	2606	2966	3554	3996	4648	4875	4970
-10	1.90	105	293	108	124	164	307	550	1107	1402	1866	2222	2754	3102	3732	4298	5241	5501	5597
-5	1.94	88.0	312	108	127	166	317	593	1162	1450	1921	2276	2775	3079	3690	4419	5551	5816	5918
0	2.00	99.7	335	110	128	167	316	622	1195	1479	1965	2315	2761	2993	3425	4409	5793	6085	6220
5	2.03	127	339	110	129	168	316	627	1200	1480	1965	2313	2751	2971	3344	4305	5758	6057	6223
10	2.07	131	339	114	128	166	303	594	1162	1440	1918	2267	2738	2993	3467	4219	5559	5842	6018
15	2.09	133	326	114	127	165	295	558	1117	1395	1861	2213	2711	3001	3532	4115	5247	5545	5706
20	2.11	126	301	119	123	160	274	473	999	1291	1736	2079	2588	2913	3469	3902	4672	4969	5111
25	2.12	123	278	116	120	157	260	417	897	1202	1622	1939	2434	2763	3301	3684	4262	4512	4643
30	2.19	114	244	110	114	149	236	342	698	1009	1400	1678	2128	2436	2912	3226	3628	3802	3902
35	2.21	111	221	102	110	145	224	311	566	839	1226	1479	1881	2160	2583	2855	3188	3330	3410
40	2.26	102	192	91.2	102	137	205	273	402	561	900	1121	1461	1693	2038	2253	2511	2615	2673
45	2.27	97.0	173	83.3	97.3	131	196	256	348	431	667	856	1141	1336	1621	1794	2005	2093	2144
50	2.29	77.0	148	74.9	86.1	119	178	230	293	322	393	488	665	793	972	1080	1211	1266	1300
55	2.33	71.2	132	69.8	77.7	109	166	212	267	285	316	363	453	522	627	690	763	791	808
60	2.35	52.8	109	64.5	62.7	89.5	147	178	226	241	245	251	283	306	341	356	374	380	384
65	2.36	44.8	92.6	61.0	54.5	75.9	129	157	193	208	216	216	230	243	265	276	288	291	291
70	2.37	29.9	63.3	57.7	42.6	57.3	94.5	120	139	154	169	171	172	178	190	196	195	193	194
75	2.38	21.1	49.6	53.4	36.4	47.8	75.3	93.4	108	114	130	136	138	141	146	147	144	139	128
80	2.38	11.6	31.1	35.1	28.1	34.0	45.8	60.7	67.2	66.8	71.2	76.5	86.6	88.6	85.2	81.3	74.4	68.6	64.0
85	2.40	8.06	18.7	22.2	19.7	22.9	30.7	36.7	44.1	43.0	44.0	49.3	52.8	55.6	55.9	52.6	45.2	41.3	40.9
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: 98ANTARES600/BL	TYPE:	WEIGHT: 20
SPEC.:	DIM.: 420 x 490 x 110	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: square	Shielding Angle:

Table--2

UNIT: X10cd

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	38.3	42.4	48.1	53.1	53.7	48.0	46.0	38.6	37.8	39.2	37.4	26.4	21.9	16.6	15.7	11.3	7.15	2.04	
-75	66.1	76.7	82.8	87.3	89.7	85.2	79.2	69.3	65.9	63.1	60.9	40.9	33.5	23.8	23.5	19.3	11.9	2.03	
-70	140	151	152	155	151	146	143	134	121	107	98.0	76.7	55.6	33.1	34.3	31.7	21.6	2.01	
-65	206	209	205	199	189	178	175	170	161	138	126	95.5	69.6	39.9	39.0	40.2	29.2	2.00	
-60	286	285	280	266	251	233	221	218	214	196	169	130	92.4	52.0	41.7	55.9	43.5	1.99	
-55	374	368	360	340	321	288	266	247	245	228	202	145	108	60.9	45.9	68.6	54.1	1.99	
-50	683	659	627	555	499	416	370	315	290	271	243	168	129	75.9	54.2	88.1	70.6	1.98	
-45	1159	1103	1035	899	796	630	523	390	336	299	262	183	137	84.6	60.0	102	79.9	1.96	
-40	1978	1877	1760	1532	1353	1076	898	625	465	345	293	204	148	97.3	69.6	124	95.4	1.98	
-35	2516	2393	2251	1963	1742	1406	1184	857	638	396	318	213	155	102	74.4	146	104	1.99	
-30	3269	3116	2929	2556	2278	1861	1592	1206	948	541	371	232	167	110	81.3	173	118	1.96	
-25	3749	3566	3346	2908	2589	2117	1809	1385	1122	677	428	244	173	113	84.9	194	128	2.03	
-20	4467	4238	3939	3385	3004	2463	2113	1624	1333	885	552	269	183	119	90.9	226	155	2.10	
-15	4926	4665	4269	3595	3184	2626	2264	1733	1423	989	633	286	186	122	93.5	251	179	2.09	
-10	5551	5274	4709	3781	3329	2781	2419	1869	1541	1120	750	310	191	127	97.6	282	206	2.16	
-5	5868	5574	4923	3748	3274	2785	2455	1920	1587	1161	791	317	191	128	98.5	300	213	2.25	
0	6170	5832	5156	3491	3091	2760	2481	1973	1644	1205	836	329	192	130	100	316	220	2.33	
5	6169	5825	5103	3356	3045	2739	2467	1966	1630	1197	830	326	192	130	99.7	320	218	2.40	
10	5984	5644	4867	3468	3084	2723	2429	1924	1600	1172	804	324	194	129	99.6	314	219	2.48	
15	5675	5318	4598	3521	3126	2695	2379	1864	1544	1114	752	312	193	127	97.9	304	213	2.56	
20	5081	4728	4187	3463	3083	2588	2257	1750	1447	1006	651	297	192	125	95.0	278	207	2.86	
25	4606	4288	3887	3290	2932	2434	2111	1634	1347	894	562	280	187	121	91.4	258	198	2.95	
30	3863	3626	3367	2917	2606	2147	1847	1433	1170	708	444	257	180	116	86.5	224	171	3.07	
35	3372	3180	2972	2588	2314	1902	1633	1249	987	569	385	240	173	111	82.1	204	172	3.36	
40	2647	2507	2351	2053	1830	1494	1270	928	685	411	327	219	162	105	76.4	174	160	3.56	
45	2121	2008	1881	1637	1451	1166	976	682	505	356	298	206	153	98.0	70.7	158	144	3.65	
50	1288	1222	1143	990	877	692	564	406	345	299	263	189	141	88.0	61.8	135	118	3.76	
55	801	767	726	641	573	466	401	322	292	270	242	173	131	78.9	55.8	121	96.6	3.80	
60	382	374	367	346	323	284	261	239	240	230	207	152	112	63.5	48.9	97.9	70.2	3.79	
65	291	287	280	264	249	228	214	211	210	198	174	133	94.1	54.0	46.0	81.0	53.0	3.78	
70	194	193	195	188	179	167	166	166	161	142	132	99.3	70.2	41.5	43.6	52.3	31.7	3.72	
75	134	142	142	143	138	133	131	126	120	111	103	78.0	54.2	34.7	38.2	38.3	23.9	3.72	
80	65.0	70.8	76.2	81.1	84.1	81.2	79.4	70.6	69.8	68.6	65.7	41.5	35.0	25.5	26.5	22.2	14.9	3.68	
85	40.7	43.7	48.8	52.8	52.8	50.6	48.9	42.5	41.3	42.7	38.0	27.1	22.5	17.1	18.2	15.4	9.15	3.70	
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: