

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	343160.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	140.6V x 148.1H
	At 50% of Imax	105.5V x 113.9H
	At 90% of Imax	51.2V x 52.3H

Beam Flux	Total	902450.0 lumens per klm.
	To 10% of Imax	887768.5 lumens per klm.
	To 50% of Imax	720265.4 lumens per klm.
	To 90% of Imax	207811.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	90245.0 %

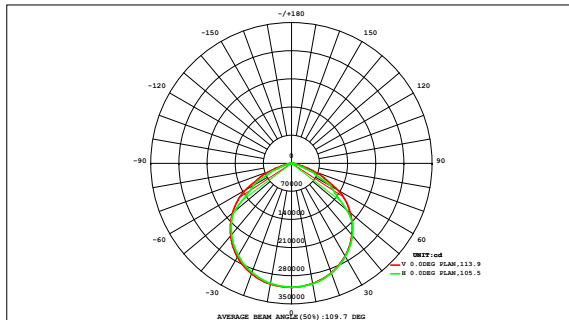
Luminaire Efficiency (Light Output Ratio)	90243.2 %
---	-----------

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega10Slim/WH	Imax (cd)	308844
NOMINAL POWER (W)	10	AVAILABILITY (%)	88760.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	798846
NOMINAL FLUX (lm)	900	LOR (%)	90243.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	812189
TEST VOLTAGE (V)	230	θ @50% (H,V)	114,105DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm			Φ t	Φ a							
	0.82	2.78	5.73	9.98	15.0	20.2	27.0	34.7	39.1	40.0	37.4	30.9	23.2	16.2	10.3	5.81	2.91	0.90	323	0.00								
90	0.82	2.78	5.73	9.98	15.0	20.2	27.0	34.7	39.1	40.0	37.4	30.9	23.2	16.2	10.3	5.81	2.91	0.90	323	0.00								
80	1.08	6.95	27.2	77.9	164	262	357	441	461	454	424	342	249	157	74.7	27.3	7.14	1.16	3534	342								
70	1.60	17.5	103	363	768	1249	1706	2010	2128	2116	1975	1636	1178	718	335	93.8	17.5	1.69	16416	14845								
60	2.41	38.4	290	917	1807	2683	3441	4060	4293	4279	4016	3382	2649	1756	859	267	35.9	2.48	34779	34254								
50	3.43	79.6	543	1562	2823	4040	5178	5954	6369	6373	5962	5171	4010	2806	1527	510	72.0	3.49	52986	52662								
40	4.54	133	806	2097	3566	4960	6171	7057	7525	7534	7080	6196	4977	3562	2088	768	121	4.57	64649	64407								
30	5.52	186	1015	2486	4060	5580	6900	7868	8379	8393	7903	6942	5613	4074	2477	986	172	5.55	73045	72849								
-30	6.25	226	1158	2739	4393	6002	7391	8411	8950	8967	8451	7446	6049	4419	2733	1134	211	6.29	78693	78522								
	6.61	248	1227	2866	4566	6223	7648	8692	9239	9251	8740	7716	6280	4598	2863	1206	232	6.66	81606	81447								
	6.60	247	1226	2869	4570	6229	7656	8691	9243	9269	8759	7734	6295	4606	2868	1207	232	6.66	81715	81556								
	6.24	225	1155	2748	4407	6021	7416	8431	8983	9007	8494	7500	6091	4442	2748	1136	211	6.28	79028	78857								
	5.53	185	1006	2502	4082	5611	6937	7908	8432	8451	7958	7007	5669	4111	2497	988	172	5.55	73527	73335								
	4.56	131	788	2116	3586	4992	6222	7120	7605	7617	7151	6264	5030	3605	2105	771	122	4.58	65234	64997								
	3.48	77.7	533	1536	2842	3962	5136	5971	6398	6405	5993	5176	3994	2837	1532	514	72.1	3.51	52988	52670								
	2.47	37.4	283	882	1755	2659	3332	3937	4216	4226	3959	3346	2657	1757	869	270	35.7	2.52	34227	33717								
	1.66	17.6	97.6	347	724	1166	1601	1937	2060	2060	1938	1606	1163	712	338	93.6	17.5	1.74	15882	14235								
	1.11	7.43	27.9	75.1	155	233	312	384	409	409	384	313	232	152	73.6	27.5	7.50	1.20	3204	151								
-80	0.85	2.99	6.53	11.7	17.9	24.8	32.2	38.5	41.2	41.1	38.2	31.7	24.3	17.6	11.6	6.64	3.19	0.94	352	0.00								
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)												20	30	40	50	60	70	80	90
Φ t	64.8	1869	10297	26205	44300	61916	77464	88945	94770	94892	89263	77840	62185	44347	26008	10012	1744	65.88	12189	---								
Φ a	0.00	872	9483	25433	43510	61098	76650	88146	93985	94111	88446	77024	61339	43538	25259	9184	768	0.00	---	798846								

one-half-peak spread: U:52.6,D:53.2 , L:57.3,R:57.1

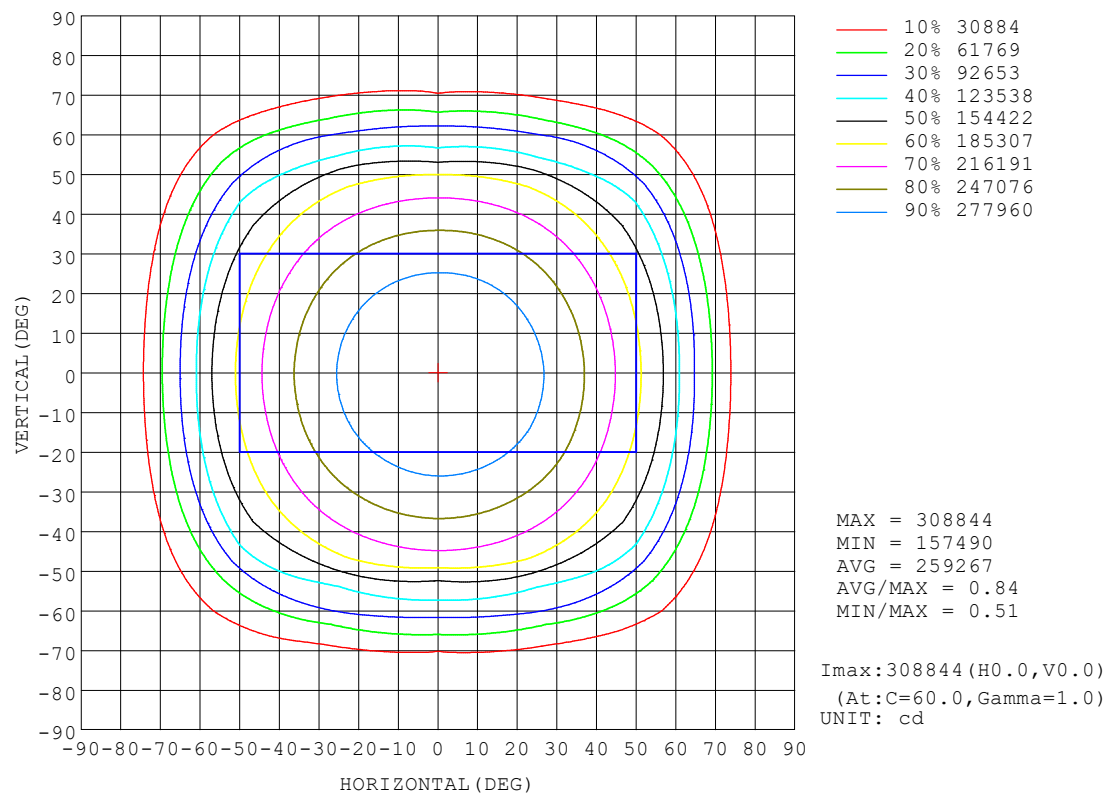
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:

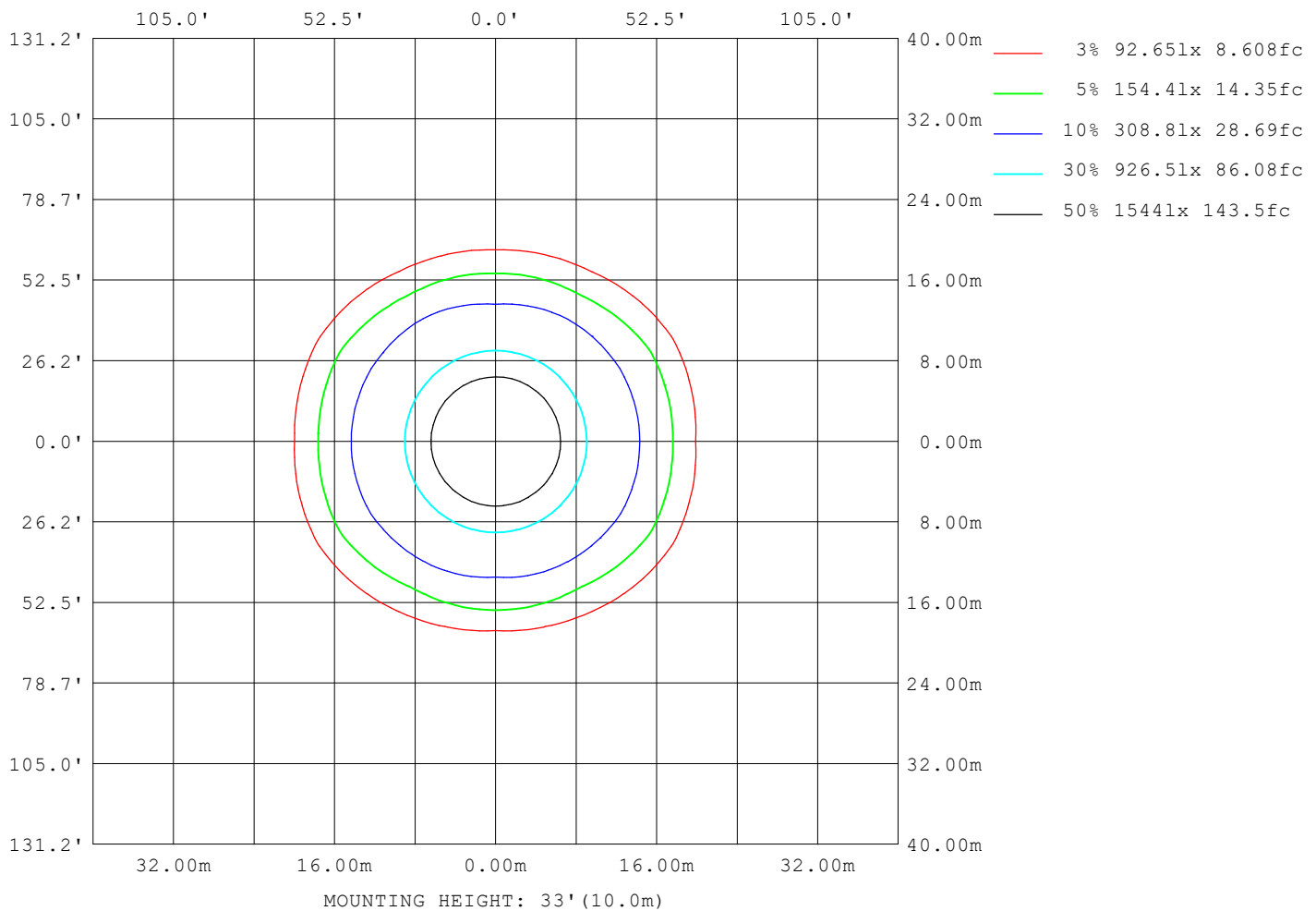


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:08 July 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

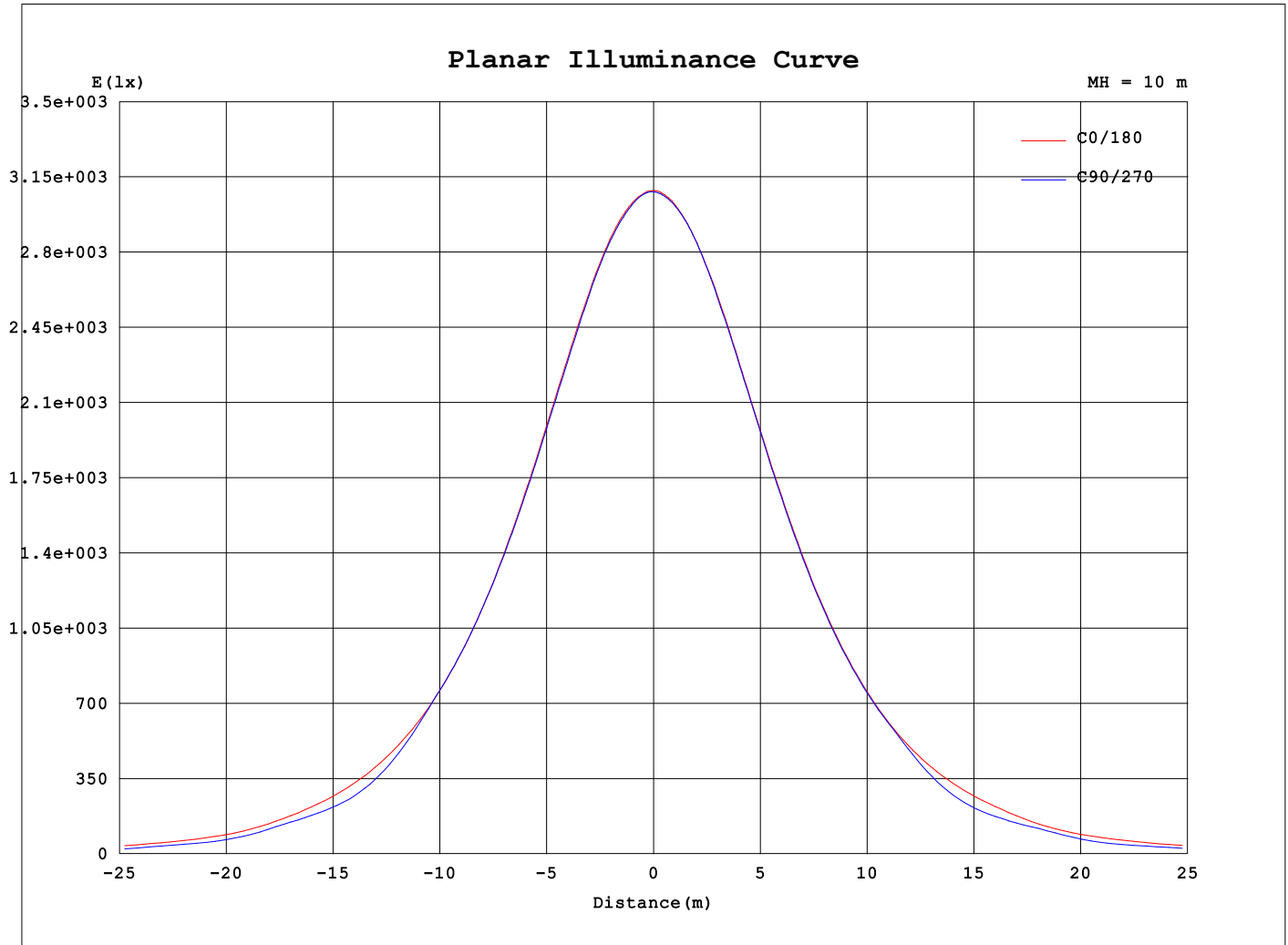
NAME: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 08 July 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

Planar Illuminance Curve

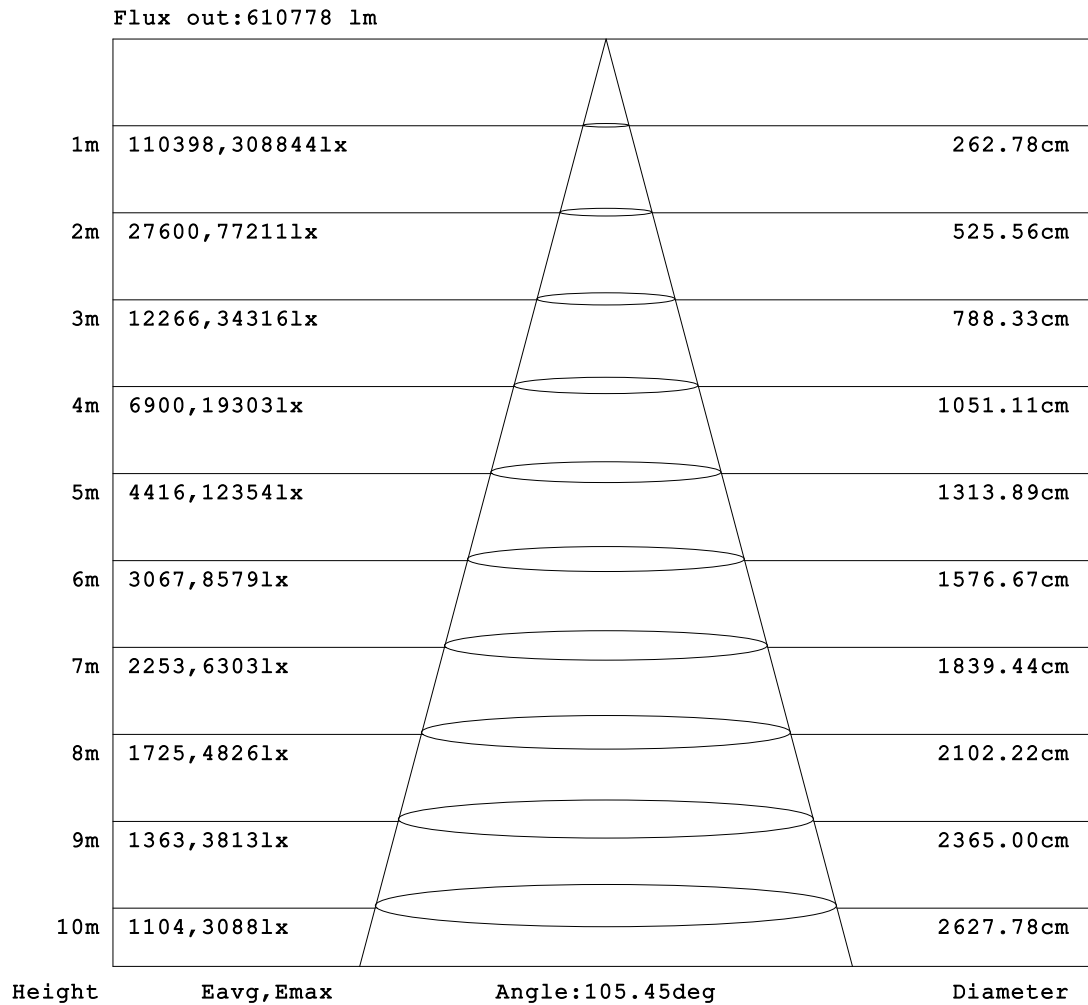


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 08 July 2022

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:



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

C Range: 0 - 360 DEG
 C Interval: 30.0 DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 08 July 2022

γ Range: 0 - 90 DEG
 γ Interval: 0.5 DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0 %
 Test Distance: 6.265 m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:

Table--1

UNIT: X100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	2.94	3.01	3.07	3.14	3.20	3.27	3.33	3.27	3.22	3.16	3.10	3.05	2.99	2.94	2.90	2.85	2.81	2.76	2.72
-85	2.94	3.09	3.28	3.49	3.78	4.19	4.75	5.17	5.49	5.74	5.95	6.07	6.15	6.59	7.02	7.30	7.43	7.42	7.28
-80	2.94	3.29	3.97	5.17	7.09	9.65	12.9	16.0	19.4	23.3	27.4	31.6	35.6	39.3	42.2	44.5	46.0	46.6	46.3
-75	2.94	3.60	5.25	8.41	13.3	20.0	28.6	37.7	49.2	64.0	76.5	88.0	89.1	94.2	99.9	105	108	111	112
-70	2.94	4.03	7.17	13.2	22.8	35.9	55.3	84.7	126	146	173	216	254	259	291	326	338	332	314
-65	2.94	4.57	9.66	19.8	35.6	64.7	125	179	260	329	389	482	532	563	607	649	670	670	654
-60	2.94	5.17	12.7	28.0	53.0	129	219	340	442	555	645	741	863	947	984	1027	1068	1094	1103
-55	2.94	5.95	16.4	37.2	91.6	201	352	504	640	796	983	1096	1141	1169	1256	1320	1353	1358	1340
-50	2.94	6.74	20.5	47.7	149	303	480	664	887	1119	1236	1314	1416	1538	1650	1724	1768	1786	1774
-45	2.94	7.54	24.9	73.4	210	403	606	860	1166	1329	1447	1589	1750	1895	1989	2055	2110	2144	2156
-40	2.94	8.41	29.5	97.9	273	493	750	1061	1341	1511	1666	1838	1987	2099	2190	2261	2313	2345	2358
-35	2.94	9.25	33.8	138	341	582	883	1221	1477	1672	1846	2011	2148	2263	2356	2430	2483	2516	2530
-30	2.94	10.1	37.7	160	408	686	1003	1340	1590	1795	1980	2143	2285	2403	2500	2575	2630	2664	2678
-25	2.94	10.8	41.2	194	453	768	1104	1444	1686	1899	2089	2255	2400	2522	2621	2698	2754	2789	2804
-20	2.94	11.5	44.3	230	491	830	1181	1524	1765	1984	2178	2348	2494	2619	2721	2798	2854	2892	2906
-15	2.94	12.1	47.3	250	524	876	1242	1580	1827	2050	2247	2420	2569	2695	2798	2876	2933	2972	2990
-10	2.94	12.4	49.7	262	551	907	1286	1622	1870	2098	2297	2472	2624	2750	2853	2928	2988	3025	3040
-5	2.94	12.7	51.0	269	570	923	1312	1646	1897	2126	2327	2503	2656	2782	2886	2964	3019	3056	3071
0	2.94	12.7	51.3	272	577	926	1318	1655	1906	2137	2337	2514	2667	2792	2900	2979	3035	3072	3088
5	2.94	12.6	51.1	270	572	923	1311	1645	1895	2124	2325	2501	2653	2779	2885	2965	3020	3056	3066
10	2.94	12.4	49.8	264	555	908	1283	1618	1867	2094	2292	2467	2618	2744	2849	2930	2984	3021	3035
15	2.94	12.0	47.6	253	528	880	1237	1576	1821	2043	2240	2412	2561	2685	2789	2870	2925	2960	2973
20	2.94	11.4	44.7	234	493	840	1173	1517	1758	1975	2169	2338	2483	2608	2710	2788	2843	2878	2890
25	2.94	10.7	41.5	197	451	786	1093	1435	1677	1888	2077	2243	2387	2508	2607	2685	2739	2772	2784
30	2.94	9.97	37.9	161	404	711	996	1330	1579	1784	1965	2129	2269	2387	2483	2558	2611	2643	2654
35	2.94	9.12	33.9	138	338	604	892	1205	1463	1658	1837	1994	2130	2244	2337	2408	2459	2490	2500
40	2.94	8.27	29.5	101	279	498	784	1045	1327	1505	1681	1839	1968	2079	2168	2236	2285	2314	2324
45	2.94	7.40	24.8	75.7	220	395	644	879	1142	1316	1466	1637	1785	1890	1974	2038	2085	2113	2122
50	2.94	6.62	20.2	49.1	150	304	484	718	904	1097	1224	1343	1491	1638	1724	1772	1815	1842	1845
55	2.94	5.84	16.1	37.6	97.6	216	343	521	689	837	984	1079	1137	1218	1313	1371	1397	1392	1360
60	2.94	5.08	12.3	28.0	54.6	130	239	331	460	588	681	807	900	939	986	1033	1065	1082	1084
65	2.94	4.49	9.23	19.3	36.0	67.8	127	199	277	327	437	506	533	587	654	690	694	676	644
70	2.94	3.96	6.82	12.5	22.3	36.4	57.9	94.9	130	163	208	246	262	301	352	368	360	343	320
75	2.94	3.52	5.04	7.77	12.3	19.1	28.4	38.0	51.5	68.3	83.6	94.6	98.4	104	111	117	125	126	123
80	2.94	3.21	3.82	4.84	6.37	8.48	11.4	14.3	17.6	21.1	24.9	28.7	32.6	37.5	41.8	45.2	47.5	48.6	48.8
85	2.94	3.00	3.12	3.26	3.48	3.78	4.12	4.35	4.46	4.46	4.46	4.34	4.13	4.61	5.16	5.60	5.93	6.14	6.24
90	2.94	2.92	2.89	2.87	2.84	2.82	2.79	2.73	2.66	2.60	2.53	2.47	2.40	2.36	2.32	2.28	2.24	2.20	2.16

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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: 98Vega10Slim/WH	TYPE: 98Vega10Slim/WH	WEIGHT: 1
SPEC.:	DIM.: 90x65	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 64x40	Shielding Angle:

Table--2

UNIT: X100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	2.78	2.83	2.89	2.95	3.01	3.06	3.12	3.18	3.25	3.31	3.37	3.43	3.44	3.45	3.47	3.48	3.49	3.50	
-85	7.36	7.32	7.13	6.80	6.33	5.88	5.86	5.79	5.64	5.44	5.17	4.81	4.38	4.01	3.73	3.54	3.46	3.50	
-80	46.6	46.0	44.5	42.2	39.1	35.2	31.1	26.9	22.8	19.0	15.7	12.7	9.55	7.18	5.45	4.29	3.60	3.50	
-75	111	108	105	99.9	94.0	88.7	86.3	76.8	62.0	48.5	37.1	28.0	19.7	13.2	8.51	5.61	3.92	3.50	
-70	333	341	330	294	255	248	218	173	143	121	85.4	54.0	35.4	22.5	13.2	7.41	4.39	3.50	
-65	672	674	653	611	561	525	484	384	315	261	173	117	60.0	35.2	19.6	9.78	4.98	3.50	
-60	1093	1067	1025	979	943	871	747	648	557	426	328	210	118	51.9	27.7	12.8	5.62	3.50	
-55	1362	1360	1329	1264	1175	1138	1089	984	800	647	491	335	187	87.3	37.1	16.4	6.33	3.50	
-50	1789	1775	1737	1669	1560	1429	1319	1234	1111	889	672	460	294	140	47.5	20.4	7.08	3.50	
-45	2146	2114	2060	1995	1909	1769	1605	1453	1326	1157	860	602	381	190	62.1	24.7	7.85	3.50	
-40	2348	2318	2269	2201	2110	1998	1854	1680	1514	1340	1052	749	475	263	89.9	29.2	8.69	3.50	
-35	2520	2491	2440	2369	2278	2163	2025	1861	1683	1475	1213	877	570	319	122	33.7	9.50	3.50	
-30	2670	2640	2589	2517	2423	2305	2162	1996	1807	1593	1339	992	673	383	150	37.9	10.3	3.50	
-25	2796	2765	2715	2643	2548	2427	2279	2107	1913	1692	1439	1091	758	434	171	41.5	11.0	3.50	
-20	2899	2870	2818	2745	2650	2527	2375	2198	1999	1773	1519	1174	817	474	203	44.7	11.7	3.50	
-15	2980	2950	2898	2824	2727	2602	2449	2269	2066	1837	1577	1240	863	505	232	47.2	12.2	3.50	
-10	3033	3005	2954	2878	2780	2655	2500	2320	2114	1882	1618	1287	893	530	247	48.8	12.6	3.50	
-5	3065	3039	2988	2911	2811	2685	2531	2349	2143	1909	1642	1313	908	547	255	49.7	12.8	3.50	
0	3077	3051	3001	2923	2822	2695	2540	2357	2153	1918	1650	1318	909	553	258	49.9	12.9	3.50	
5	3058	3030	2981	2905	2805	2678	2525	2344	2139	1906	1640	1311	908	546	255	49.8	12.8	3.50	
10	3026	2995	2942	2866	2766	2641	2488	2311	2106	1876	1613	1283	894	528	246	48.9	12.5	3.50	
15	2966	2936	2883	2806	2707	2582	2432	2256	2055	1827	1569	1234	864	503	232	47.2	12.1	3.50	
20	2883	2853	2801	2726	2626	2502	2354	2182	1985	1760	1508	1168	818	473	202	44.8	11.6	3.50	
25	2777	2748	2697	2622	2524	2402	2256	2088	1896	1676	1426	1087	755	435	170	41.7	10.9	3.50	
30	2647	2618	2568	2495	2399	2281	2139	1974	1787	1575	1324	993	668	383	150	38.0	10.2	3.50	
35	2493	2465	2416	2346	2253	2138	2002	1842	1659	1454	1202	880	563	316	123	33.8	9.40	3.50	
40	2316	2289	2242	2174	2085	1974	1842	1675	1496	1319	1051	744	472	260	88.7	29.3	8.58	3.50	
45	2114	2088	2041	1977	1891	1783	1622	1449	1304	1148	863	592	381	188	62.9	24.7	7.73	3.50	
50	1842	1815	1772	1713	1611	1462	1320	1214	1101	897	662	458	288	141	47.7	20.3	6.96	3.50	
55	1385	1382	1348	1283	1187	1121	1074	986	809	638	482	331	184	85.8	37.5	16.2	6.21	3.50	
60	1078	1061	1030	981	933	888	767	639	547	428	323	206	119	52.3	27.8	12.5	5.52	3.50	
65	669	677	661	617	556	521	485	395	318	260	170	118	61.4	35.7	19.5	9.48	4.88	3.50	
70	340	352	347	319	273	255	236	180	145	124	83.6	54.7	36.0	22.4	12.8	7.09	4.29	3.50	
75	122	120	116	110	104	97.8	93.1	79.6	65.5	49.7	38.2	28.2	19.4	12.6	8.02	5.37	3.81	3.50	
80	49.2	48.7	47.1	44.6	41.0	36.8	32.2	27.4	22.8	18.7	15.1	11.8	8.72	6.52	5.08	4.07	3.50	3.50	
85	6.41	6.45	6.35	6.10	5.70	5.26	5.14	5.01	4.81	4.61	4.37	4.11	3.82	3.56	3.39	3.33	3.36	3.50	
90	2.20	2.25	2.29	2.34	2.38	2.43	2.49	2.56	2.62	2.69	2.75	2.82	2.93	3.05	3.16	3.27	3.39	3.50	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:08 July 2022

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks: