

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	254.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-6.0 degrees horizontal

Beam Spread	At 10% of Imax	154.4V x 155.5H
	At 50% of Imax	116.5V x 116.9H
	At 90% of Imax	53.8V x 55.9H

Beam Flux	Total	736.1 lumens per klm.
	To 10% of Imax	727.4 lumens per klm.
	To 50% of Imax	581.3 lumens per klm.
	To 90% of Imax	175.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	73.6 %

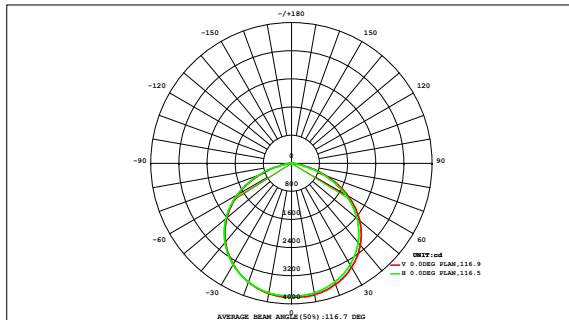
Luminaire Efficiency (Light Output Ratio)	73.6 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 11 July 2022

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: 98Vega150Slim	TYPE: 98Vega150Slim	WEIGHT: 1
SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega150Slim	Imax (cd)	3813
NOMINAL POWER (W)	150	AVAILABILITY (%)	72.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	10909
NOMINAL FLUX (lm)	15000	LOR (%)	73.6
LAMPS INSIDE	1	TOTAL FLUX (lm)	11042
TEST VOLTAGE (V)	230	θ @50% (H,V)	117,116DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.10	0.22	0.44	0.76	1.13	1.43	1.58	1.56	1.40	1.12	0.77	0.45	0.22	0.09	0.05	0.02	11.4	0.00
90	0.01	0.04	0.10	0.22	0.44	0.76	1.13	1.43	1.58	1.56	1.40	1.12	0.77	0.45	0.22	0.09	0.05	0.02	11.4	0.00
80	0.02	0.15	0.88	2.82	6.11	10.1	13.9	16.7	18.2	18.1	16.4	13.4	9.57	5.75	2.71	0.84	0.13	0.02	136	101
70	0.03	0.61	3.54	9.73	17.8	26.5	34.2	39.8	42.6	42.3	38.9	33.0	25.1	16.6	8.83	3.22	0.53	0.02	343	335
60	0.05	1.46	7.27	17.2	29.4	41.9	52.9	60.6	64.4	63.9	59.4	51.1	40.0	27.7	15.9	6.54	1.29	0.04	541	537
50	0.10	2.53	10.8	24.0	39.6	55.0	68.1	77.4	81.9	81.4	76.0	66.0	52.6	37.4	22.4	9.91	2.22	0.08	707	705
40	0.15	3.55	14.0	29.7	47.7	65.2	80.0	90.4	95.4	94.8	88.7	77.6	62.5	45.2	27.8	12.9	3.15	0.13	839	837
30	0.21	4.39	16.4	34.0	53.8	72.8	88.7	99.8	105	104	97.8	85.9	69.8	51.1	32.0	15.2	3.93	0.17	936	934
20	0.25	4.99	18.1	37.0	57.9	77.8	94.3	106	111	111	104	91.3	74.8	55.2	34.8	16.8	4.48	0.20	999	998
10	0.28	5.30	19.0	38.5	60.0	80.4	97.3	109	115	113	107	94.7	77.5	57.3	36.3	17.6	4.76	0.22	1033	1032
0	0.28	5.29	18.9	38.4	59.9	80.2	97.0	109	114	114	108	95.1	77.7	57.3	36.3	17.6	4.76	0.22	1033	1032
-10	0.25	4.96	18.0	36.8	57.6	77.3	93.6	105	111	111	104	92.2	75.2	55.4	34.9	16.8	4.47	0.20	999	998
-20	0.21	4.35	16.3	33.8	53.4	72.1	87.9	99.1	105	105	98.3	86.5	70.3	51.4	32.1	15.2	3.91	0.16	934	933
-30	0.15	3.50	13.8	29.4	47.1	64.5	79.2	89.8	95.2	94.8	88.8	77.7	62.8	45.4	27.9	12.8	3.12	0.12	836	834
-40	0.10	2.49	10.6	23.6	38.9	54.1	67.2	76.7	81.5	81.2	75.7	65.7	52.5	37.3	22.3	9.82	2.18	0.07	702	699
-50	0.05	1.47	7.03	16.7	28.6	40.9	51.6	59.5	63.6	63.3	58.7	50.3	39.4	27.3	15.7	6.45	1.22	0.04	532	528
-60	0.03	0.62	3.48	9.26	17.0	25.2	32.7	38.4	41.3	41.1	37.7	31.6	24.0	15.9	8.54	3.03	0.47	0.02	330	322
-70	0.02	0.15	0.92	2.84	5.86	9.52	12.9	15.3	16.4	16.0	14.3	11.3	7.96	4.87	2.26	0.66	0.10	0.02	121	85.9
-80	0.01	0.05	0.10	0.22	0.42	0.68	0.92	1.08	1.09	1.01	0.86	0.64	0.43	0.27	0.15	0.09	0.05	0.02	8.09	0.00
-90	0.01	0.04	0.10	0.22	0.44	0.76	1.13	1.43	1.58	1.56	1.40	1.12	0.77	0.45	0.22	0.09	0.05	0.02	11.4	0.00
HORIZONTAL (DEG)																				
Φ t	2.20	45.9	179	384	621	855	1054	1195	1264	1257	1176	1025	823	592	361	166	40.8	1.77	11042	---
Φ a	0.00	34.8	171	376	614	847	1046	1187	1257	1250	1168	1018	816	584	353	157	28.9	0.00	---	10909

one-half-peak spread: U:55.8,D:54.7 , L:53.6,R:56.4

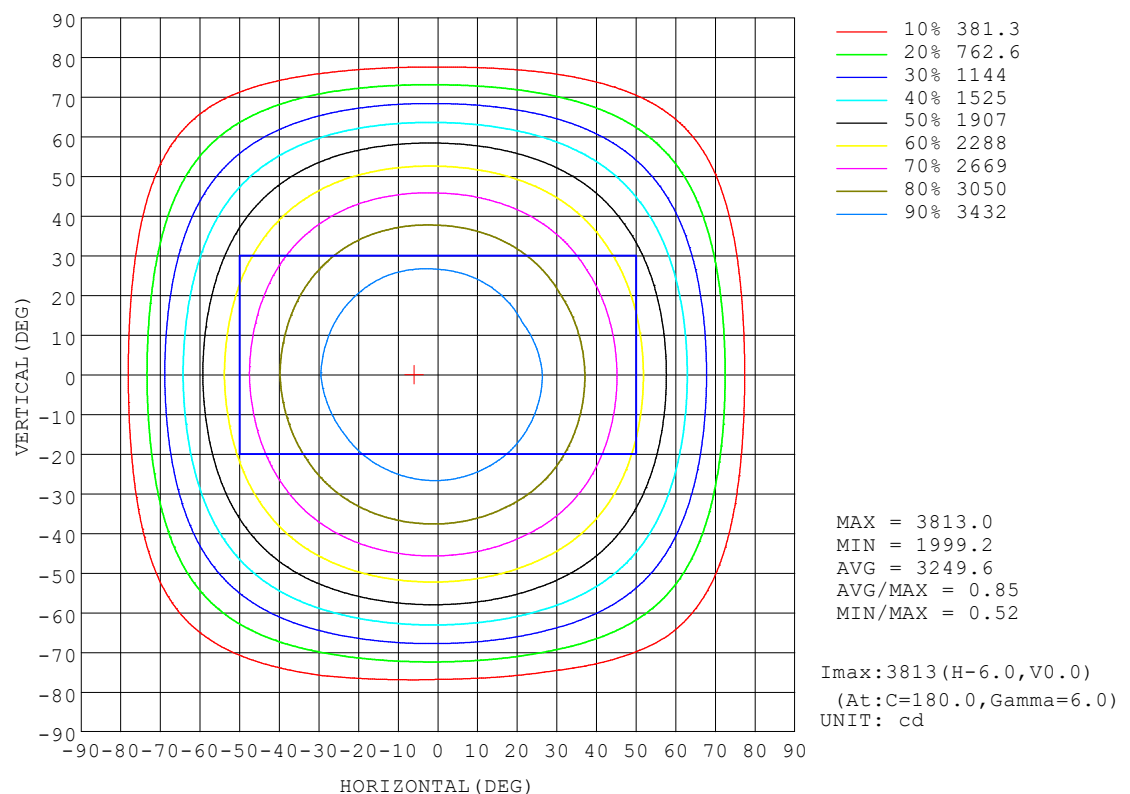
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:11 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: 98Vega150Slim	TYPE: 98Vega150Slim	WEIGHT: 1
SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:

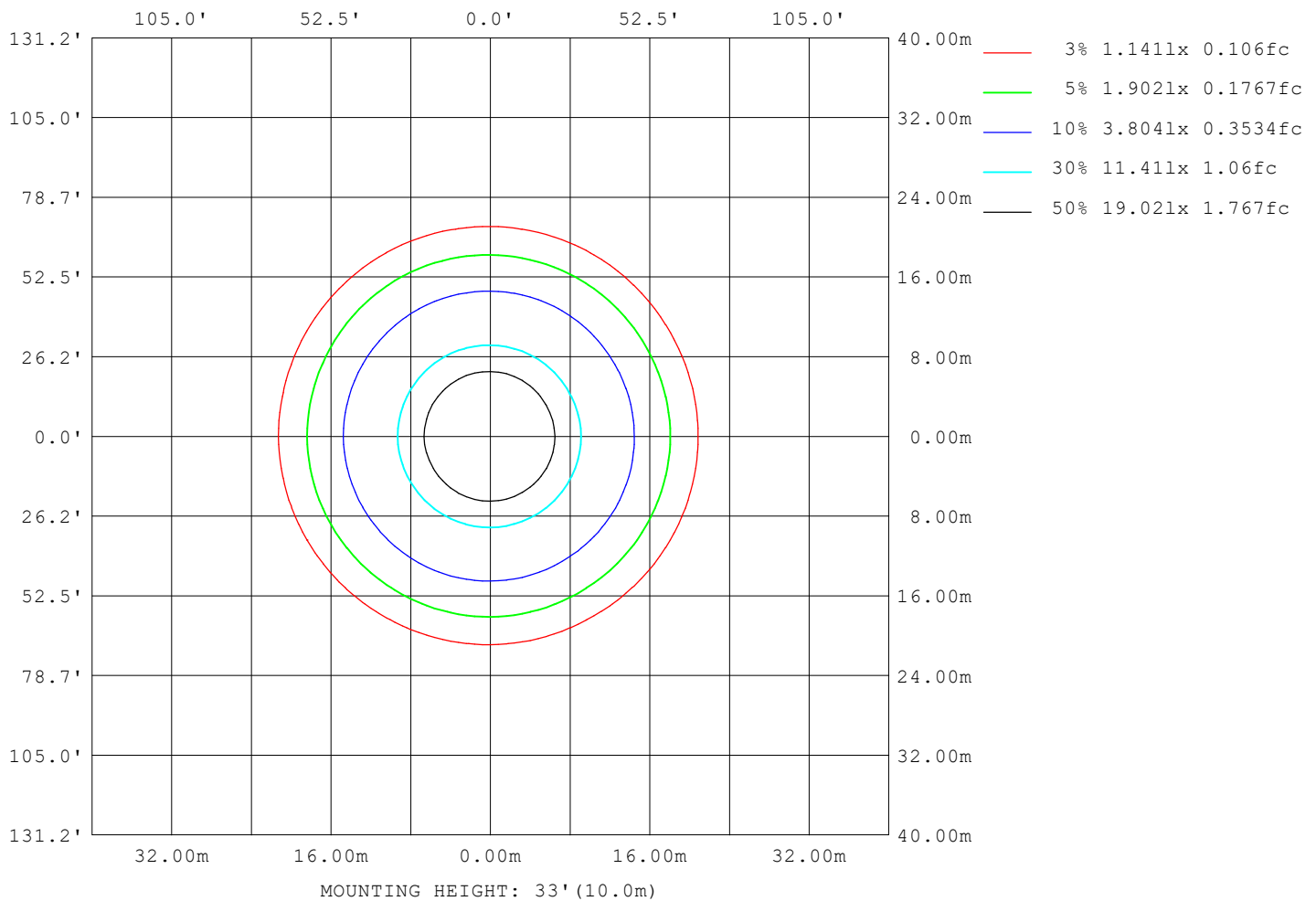


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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
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 Remarks:

ISOLUX DIAGRAM

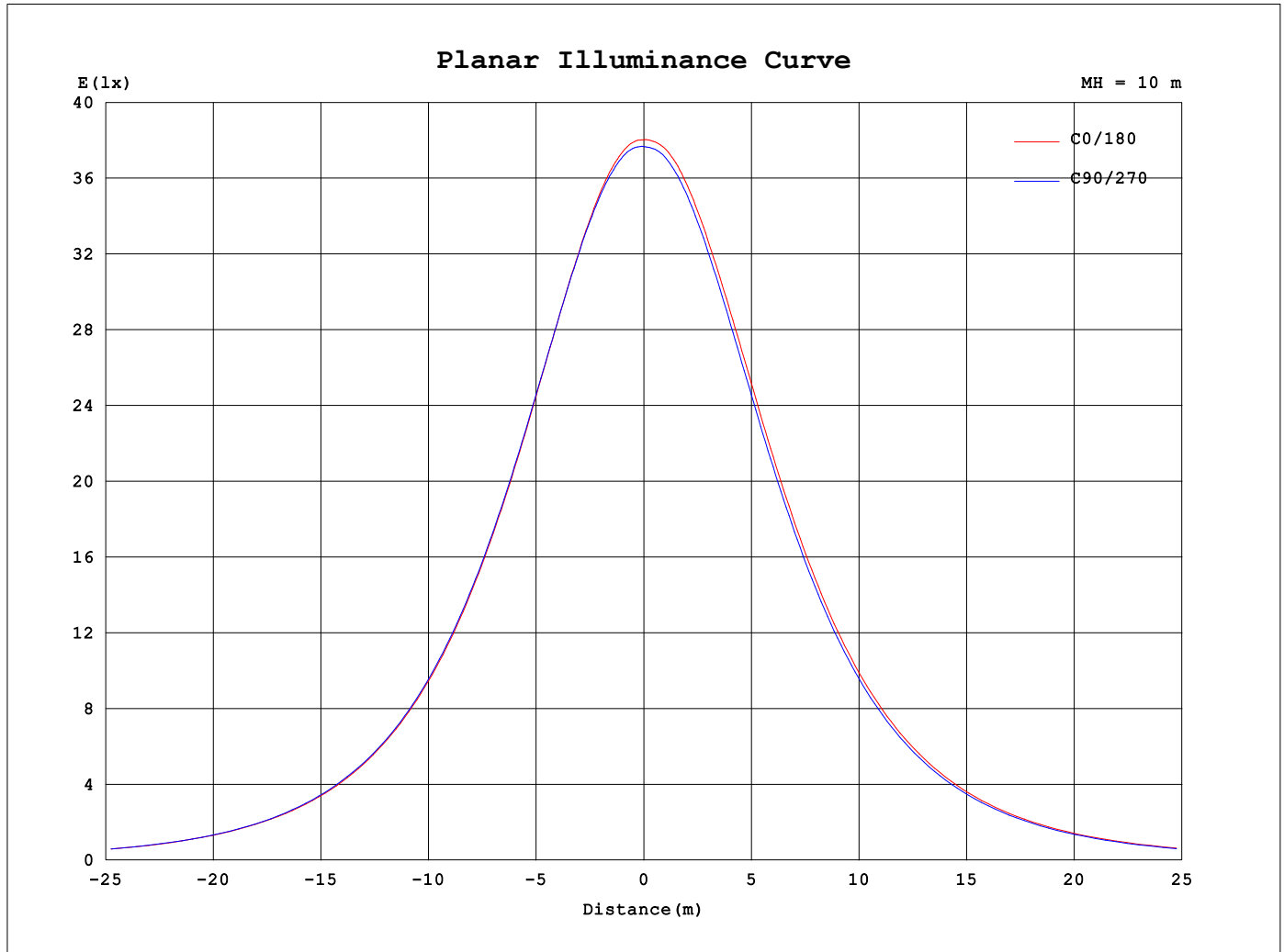
NAME: 98Vega150Slim	TYPE: 98Vega150Slim	WEIGHT: 1
SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:



C Range: 0 - 360DEG
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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

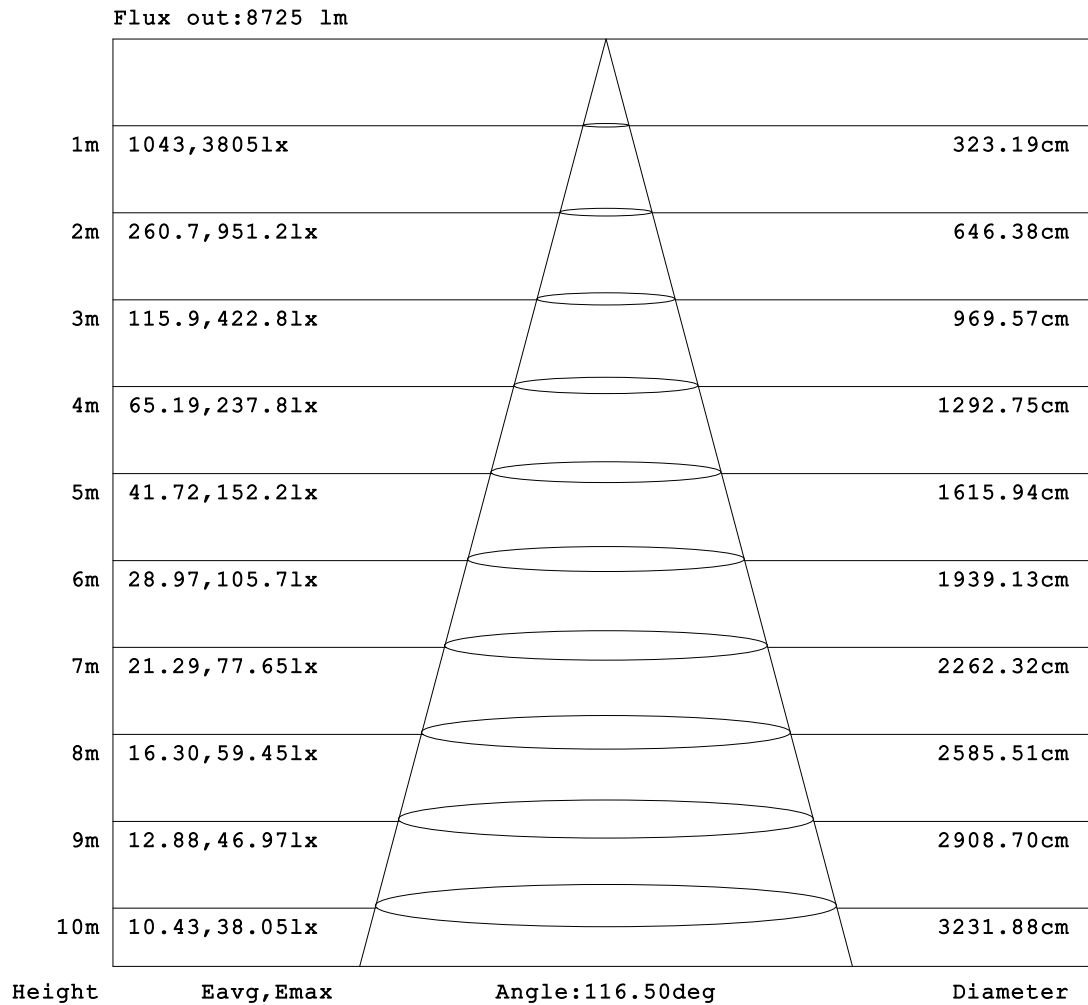


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 11 July 2022

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: 98Vega150Slim	TYPE: 98Vega150Slim	WEIGHT: 1
SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:11 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: 98Vega150Slim	TYPE: 98Vega150Slim	WEIGHT: 1
SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	4.98	5.10	5.22	5.34	5.46	5.58	5.70	5.71	5.72	5.72	5.73	5.74	5.75	5.75	5.76	5.77	5.78	5.79	5.80
-85	4.98	5.16	5.38	5.64	5.97	6.36	6.84	7.34	8.07	8.82	9.73	10.2	10.4	11.1	11.9	12.2	12.0	11.4	10.5
-80	4.98	5.28	5.85	6.94	9.74	16.9	28.3	42.0	58.5	75.6	93.2	115	131	143	159	165	167	164	157
-75	4.98	5.47	6.93	13.8	32.1	61.8	100	150	203	256	320	378	430	464	489	504	514	514	506
-70	4.98	5.76	10.2	33.1	77.6	145	225	319	415	514	606	685	757	820	875	918	947	963	966
-65	4.98	6.18	18.9	64.3	148	257	382	523	662	786	906	1012	1108	1191	1256	1309	1347	1368	1373
-60	4.98	6.74	31.9	106	231	387	567	738	905	1063	1210	1336	1452	1550	1628	1689	1732	1756	1761
-55	4.98	7.59	49.2	162	331	533	743	951	1150	1333	1499	1646	1770	1876	1966	2036	2082	2108	2114
-50	4.98	9.27	69.8	220	428	679	918	1157	1381	1583	1765	1924	2065	2179	2273	2344	2393	2420	2426
-45	4.98	11.5	92.5	284	536	811	1084	1350	1591	1809	2005	2177	2324	2445	2544	2619	2671	2700	2706
-40	4.98	14.7	119	344	638	938	1240	1523	1782	2013	2219	2400	2554	2680	2780	2858	2912	2941	2947
-35	4.98	18.0	147	399	724	1054	1380	1679	1949	2193	2408	2595	2750	2881	2984	3064	3119	3149	3156
-30	4.98	21.6	172	455	804	1160	1501	1814	2100	2350	2570	2758	2920	3053	3159	3238	3294	3324	3333
-25	4.98	24.9	193	507	874	1251	1604	1930	2225	2482	2706	2897	3062	3195	3301	3379	3435	3468	3477
-20	4.98	28.0	213	552	937	1324	1692	2027	2328	2594	2820	3014	3175	3309	3415	3494	3550	3583	3593
-15	4.98	30.4	229	587	985	1386	1760	2106	2411	2680	2910	3108	3269	3400	3505	3584	3638	3671	3681
-10	4.98	32.2	240	612	1020	1430	1811	2162	2472	2742	2976	3177	3340	3475	3574	3643	3698	3729	3741
-5	4.98	33.4	247	627	1041	1457	1841	2197	2510	2784	3021	3223	3390	3527	3629	3700	3738	3758	3769
0	4.98	33.8	250	633	1049	1468	1853	2213	2528	2803	3043	3247	3418	3559	3662	3742	3796	3812	3804
5	4.98	33.4	247	628	1042	1459	1843	2200	2514	2789	3027	3230	3399	3538	3644	3724	3773	3789	3769
10	4.98	32.2	240	614	1023	1434	1816	2168	2479	2752	2988	3190	3358	3495	3602	3681	3729	3747	3739
15	4.98	30.4	228	591	990	1391	1767	2116	2422	2694	2926	3127	3294	3429	3535	3613	3664	3684	3679
20	4.98	28.0	212	558	943	1332	1701	2041	2343	2610	2841	3039	3205	3339	3444	3521	3571	3594	3589
25	4.98	24.9	192	513	883	1260	1617	1946	2241	2504	2733	2926	3089	3223	3328	3405	3454	3476	3475
30	4.98	21.6	170	463	814	1172	1515	1830	2122	2373	2597	2788	2948	3079	3184	3261	3309	3332	3331
35	4.98	18.0	145	407	734	1068	1394	1696	1974	2219	2436	2623	2780	2909	3011	3086	3134	3157	3157
40	4.98	14.7	118	350	648	954	1256	1544	1804	2045	2249	2430	2584	2708	2808	2880	2927	2950	2950
45	4.98	11.5	91.6	288	551	827	1105	1370	1619	1840	2041	2210	2356	2478	2574	2642	2687	2710	2712
50	4.98	9.25	68.3	214	445	694	940	1182	1408	1617	1799	1965	2104	2217	2306	2372	2417	2439	2441
55	4.98	7.56	48.4	159	340	554	767	977	1181	1367	1538	1688	1817	1927	2009	2071	2111	2132	2133
60	4.98	6.68	31.7	104	226	407	591	767	939	1102	1249	1384	1501	1600	1676	1733	1770	1789	1790
65	4.98	6.10	18.9	62.1	143	260	408	553	694	827	951	1062	1162	1244	1310	1359	1392	1410	1412
70	4.98	5.66	10.2	32.5	74.3	139	217	336	438	546	646	736	815	880	931	970	996	1010	1012
75	4.98	5.34	6.81	13.8	31.4	57.9	95.6	147	199	267	338	388	429	474	540	578	598	608	609
80	4.98	5.13	5.63	6.75	9.60	17.0	27.6	40.8	57.2	80.9	101	128	155	174	191	202	209	213	213
85	4.98	5.01	5.09	5.26	5.53	5.92	6.42	7.26	8.32	9.52	11.2	12.3	12.8	13.8	15.6	16.6	17.0	16.9	16.4
90	4.98	4.95	4.93	4.90	4.88	4.86	4.83	4.82	4.81	4.80	4.78	4.77	4.76	4.77	4.78	4.78	4.79	4.80	4.81

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:	DIM.: 0.33 x 0.225 x 0.168	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 270x180	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	5.81	5.82	5.83	5.84	5.85	5.86	5.88	5.90	5.92	5.94	5.96	5.98	5.98	5.99	5.99	6.00	6.00	6.01	
-85	10.4	10.1	9.72	9.23	8.64	8.18	7.90	7.57	7.18	6.85	6.53	6.28	6.14	6.03	5.94	5.91	5.92	6.01	
-80	154	147	138	124	104	90.3	79.9	64.3	47.7	33.9	23.6	14.4	9.93	7.49	6.51	6.11	5.94	6.01	
-75	500	484	459	431	396	355	299	258	204	164	116	71.6	40.3	19.0	9.23	6.57	6.02	6.01	
-70	956	933	897	847	785	712	632	540	459	374	277	192	114	55.2	20.7	7.73	6.14	6.01	
-65	1360	1330	1286	1224	1149	1063	968	858	737	609	485	354	219	116	45.8	12.3	6.30	6.01	
-60	1747	1715	1663	1593	1505	1400	1283	1154	1009	851	688	524	354	197	81.1	20.9	6.54	6.01	
-55	2098	2062	2006	1928	1831	1720	1589	1437	1267	1087	892	690	490	289	129	34.8	6.97	6.01	
-50	2409	2370	2311	2229	2129	2008	1864	1699	1514	1307	1090	854	622	390	184	52.4	7.52	6.01	
-45	2688	2647	2583	2496	2390	2264	2115	1937	1736	1516	1271	1013	748	486	239	71.6	8.24	6.01	
-40	2930	2889	2823	2734	2624	2491	2332	2150	1938	1700	1443	1163	866	580	301	93.6	9.99	6.01	
-35	3138	3096	3029	2939	2827	2690	2525	2333	2115	1865	1593	1292	979	663	356	117	12.1	6.01	
-30	3314	3272	3206	3115	2999	2858	2691	2494	2265	2009	1723	1412	1077	736	407	138	14.7	6.01	
-25	3461	3419	3353	3262	3144	2999	2827	2627	2393	2129	1833	1511	1164	801	451	159	17.0	6.01	
-20	3577	3536	3472	3380	3262	3114	2937	2733	2498	2227	1924	1595	1234	856	492	177	19.3	6.01	
-15	3668	3628	3563	3471	3351	3202	3024	2816	2578	2302	1996	1660	1288	901	525	192	21.1	6.01	
-10	3732	3697	3632	3537	3415	3266	3086	2875	2634	2357	2047	1706	1329	934	548	204	22.5	6.01	
-5	3775	3741	3674	3579	3457	3303	3123	2910	2668	2390	2076	1733	1355	954	563	211	23.4	6.01	
0	3798	3761	3690	3595	3471	3317	3136	2921	2678	2402	2086	1743	1363	961	568	214	23.8	6.01	
5	3741	3701	3645	3561	3444	3293	3116	2905	2664	2388	2074	1733	1355	955	563	211	23.6	6.01	
10	3714	3664	3589	3504	3391	3246	3073	2865	2627	2352	2043	1706	1331	935	549	205	22.8	6.01	
15	3656	3607	3533	3438	3316	3176	3006	2801	2567	2295	1991	1660	1290	903	526	194	21.6	6.01	
20	3567	3520	3449	3353	3231	3084	2915	2713	2484	2219	1919	1594	1236	858	493	179	19.9	6.01	
25	3453	3407	3337	3243	3123	2977	2801	2607	2380	2119	1829	1512	1167	805	451	162	17.7	6.01	
30	3310	3266	3197	3104	2986	2843	2672	2473	2250	1999	1722	1413	1081	740	407	141	15.3	6.01	
35	3137	3094	3027	2935	2821	2681	2514	2321	2099	1857	1592	1297	984	668	358	120	12.6	6.01	
40	2932	2890	2826	2739	2628	2490	2329	2143	1929	1699	1443	1168	872	586	308	98.2	10.4	6.01	
45	2694	2655	2594	2509	2401	2269	2116	1938	1739	1516	1277	1021	754	489	249	76.5	8.41	6.01	
50	2424	2386	2327	2246	2146	2024	1876	1711	1524	1319	1098	863	632	391	193	57.9	7.60	6.01	
55	2118	2084	2031	1955	1860	1743	1610	1458	1286	1103	903	699	493	302	137	39.5	6.99	6.01	
60	1776	1745	1694	1627	1544	1441	1318	1184	1033	871	701	532	359	209	91.1	24.2	6.51	6.01	
65	1400	1372	1329	1271	1200	1112	1009	894	768	639	498	361	239	128	55.3	14.3	6.24	6.01	
70	1003	981	947	900	841	772	693	602	502	400	306	213	129	68.5	26.5	8.05	6.06	6.01	
75	602	585	559	522	480	432	375	315	257	194	140	93.9	57.2	27.0	10.9	6.52	5.93	6.01	
80	209	202	191	177	160	143	119	98.7	79.3	59.8	42.1	25.9	15.2	8.16	6.44	5.94	5.84	6.01	
85	17.5	18.2	18.4	18.1	17.1	15.5	13.0	10.9	8.83	7.69	6.74	6.08	5.81	5.69	5.67	5.70	5.79	6.01	
90	4.83	4.86	4.88	4.91	4.94	4.96	4.98	5.00	5.02	5.04	5.06	5.08	5.23	5.39	5.54	5.70	5.85	6.01	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:11 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: