

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	236.1 cd per klm.
(Luminaire orientation as tested.)	-4.0 degrees vertical
	2.0 degrees horizontal

Beam Spread	At 10% of Imax	154.5V x 154.7H
	At 50% of Imax	116.2V x 116.3H
	At 90% of Imax	54.5V x 54.8H

Beam Flux	Total	681.6 lumens per klm.
	To 10% of Imax	672.7 lumens per klm.
	To 50% of Imax	536.6 lumens per klm.
	To 90% of Imax	157.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	68.2 %

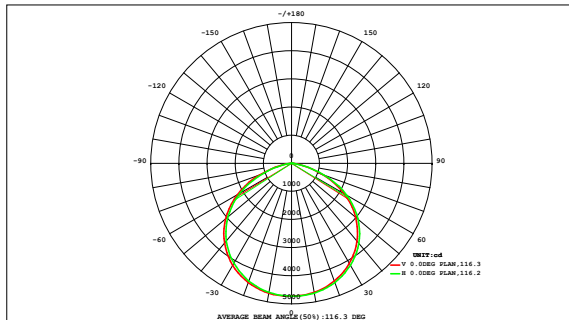
Luminaire Efficiency (Light Output Ratio)	68.2 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 2022

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: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98VEGA200SLIM	Imax (cd)	4722
NOMINAL POWER (W)	200	AVAILABILITY (%)	67.4
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	13472
NOMINAL FLUX (lm)	20000	LOR (%)	68.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	13643
TEST VOLTAGE (V)	230	θ @50% (H,V)	116,116DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.04	0.10	0.24	0.47	0.79	1.07	1.30	1.41	1.39	1.27	1.02	0.72	0.42	0.20	0.08	0.03	0.01	10.5	0.00
90	0.01	0.04	0.10	0.24	0.47	0.79	1.07	1.30	1.41	1.39	1.27	1.02	0.72	0.42	0.20	0.08	0.03	0.01	10.5	0.00
80	0.02	0.18	1.01	3.10	6.36	10.3	14.0	16.8	18.3	18.2	16.6	13.7	9.94	6.05	2.84	0.87	0.14	0.02	138	92.0
70	0.03	0.67	3.82	10.3	19.3	29.1	37.9	44.7	48.4	48.4	44.8	38.0	29.1	19.1	10.0	3.57	0.57	0.03	388	376
60	0.05	1.57	7.80	19.2	33.5	48.3	61.5	71.5	76.8	77.0	71.9	62.1	48.8	33.9	19.1	7.62	1.41	0.05	642	637
50	0.09	2.68	11.9	27.5	45.8	64.4	80.7	92.7	99.3	99.5	93.5	81.6	65.4	46.6	27.9	11.8	2.52	0.09	854	850
40	0.15	3.80	15.8	34.4	55.9	77.2	95.7	109	117	117	110	97.0	78.6	57.0	35.1	15.9	3.69	0.14	1023	1020
30	0.19	4.73	18.8	39.7	63.5	86.7	107	121	129	130	122	108	88.3	64.9	40.6	19.1	4.68	0.20	1149	1147
20	0.23	5.40	20.9	43.3	68.5	93.0	114	129	138	138	131	116	94.8	70.1	44.4	21.3	5.38	0.28	1233	1231
10	0.26	5.80	22.0	45.2	71.1	96.3	118	134	142	142	135	120	98.4	73.0	46.4	22.6	5.77	0.37	1277	1275
0	0.26	5.80	22.1	45.3	71.3	96.6	118	134	142	143	135	120	98.7	73.2	46.6	22.6	5.79	0.38	1281	1279
-10	0.22	5.47	21.2	43.7	69.1	93.9	115	131	139	139	132	117	95.9	71.0	44.9	21.6	5.46	0.29	1245	1244
-20	0.19	4.79	19.2	40.5	64.6	88.2	108	123	131	132	125	110	90.0	66.2	41.5	19.6	4.81	0.20	1170	1168
-30	0.14	3.88	16.2	35.4	57.4	79.2	98.1	112	120	120	113	99.7	80.9	58.8	36.2	16.5	3.83	0.14	1051	1049
-40	0.08	2.77	12.5	28.7	47.7	66.9	83.7	96.2	103	103	97.1	85.0	68.2	48.7	29.3	12.6	2.66	0.09	888	885
-50	0.04	1.61	8.24	20.5	35.6	51.1	64.9	75.3	81.1	81.3	76.0	65.8	51.9	36.2	20.7	8.24	1.52	0.04	680	675
-60	0.02	0.69	4.16	11.4	21.5	32.1	41.8	49.3	53.3	53.5	49.5	42.2	32.4	21.6	11.3	4.02	0.62	0.03	429	419
-70	0.01	0.16	1.13	3.66	7.65	12.4	16.9	20.3	22.1	22.1	20.2	16.8	12.3	7.43	3.46	1.01	0.14	0.02	168	125
-80	0.01	0.03	0.08	0.27	0.63	1.11	1.62	1.98	2.15	2.12	1.92	1.53	1.02	0.54	0.22	0.07	0.03	0.01	15.3	0.00
-90	0.01	0.03	0.08	0.27	0.63	1.11	1.62	1.98	2.15	2.12	1.92	1.53	1.02	0.54	0.22	0.07	0.03	0.01	15.3	0.00
HORIZONTAL (DEG)																				
Φ t	2.00	50.1	207	452	740	1028	1278	1463	1563	1568	1475	1295	1045	755	461	209	49.0	2.39	13643	---
Φ a	0.00	35.5	196	442	730	1018	1269	1453	1555	1559	1466	1286	1035	744	451	198	34.6	0.47	---	13472

one-half-peak spread: U:55.2,D:61.5 , L:60.0,R:56.8

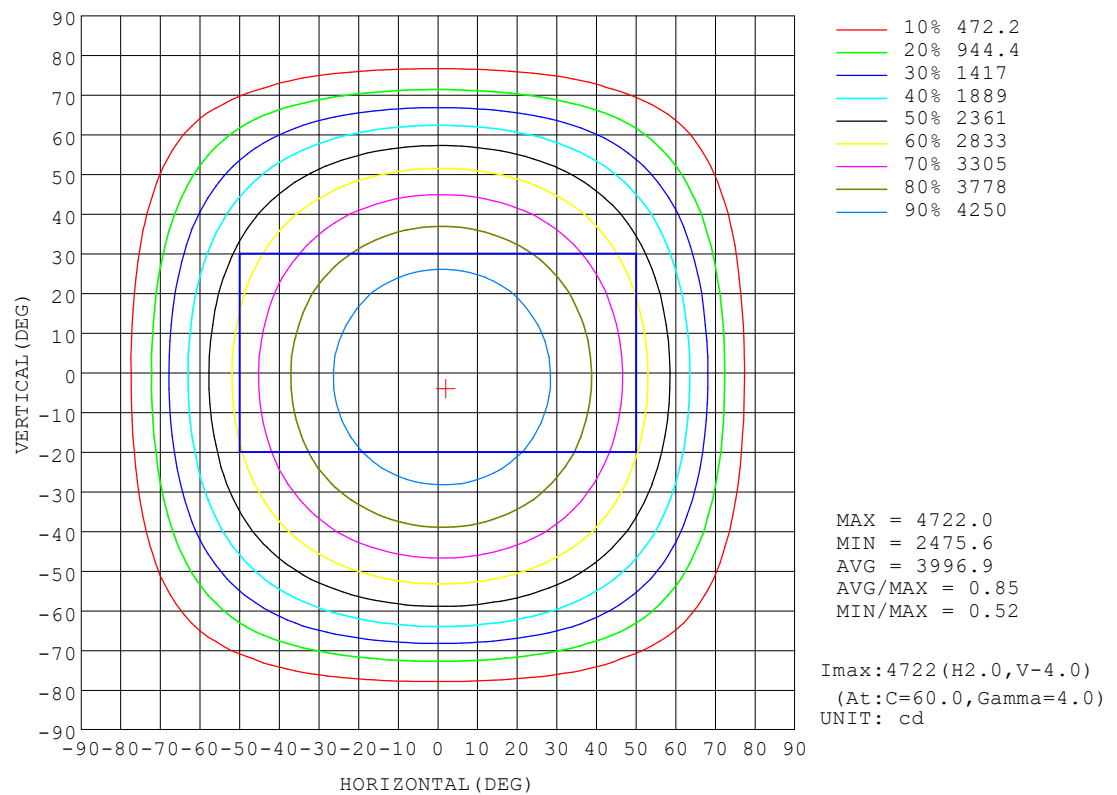
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 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: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

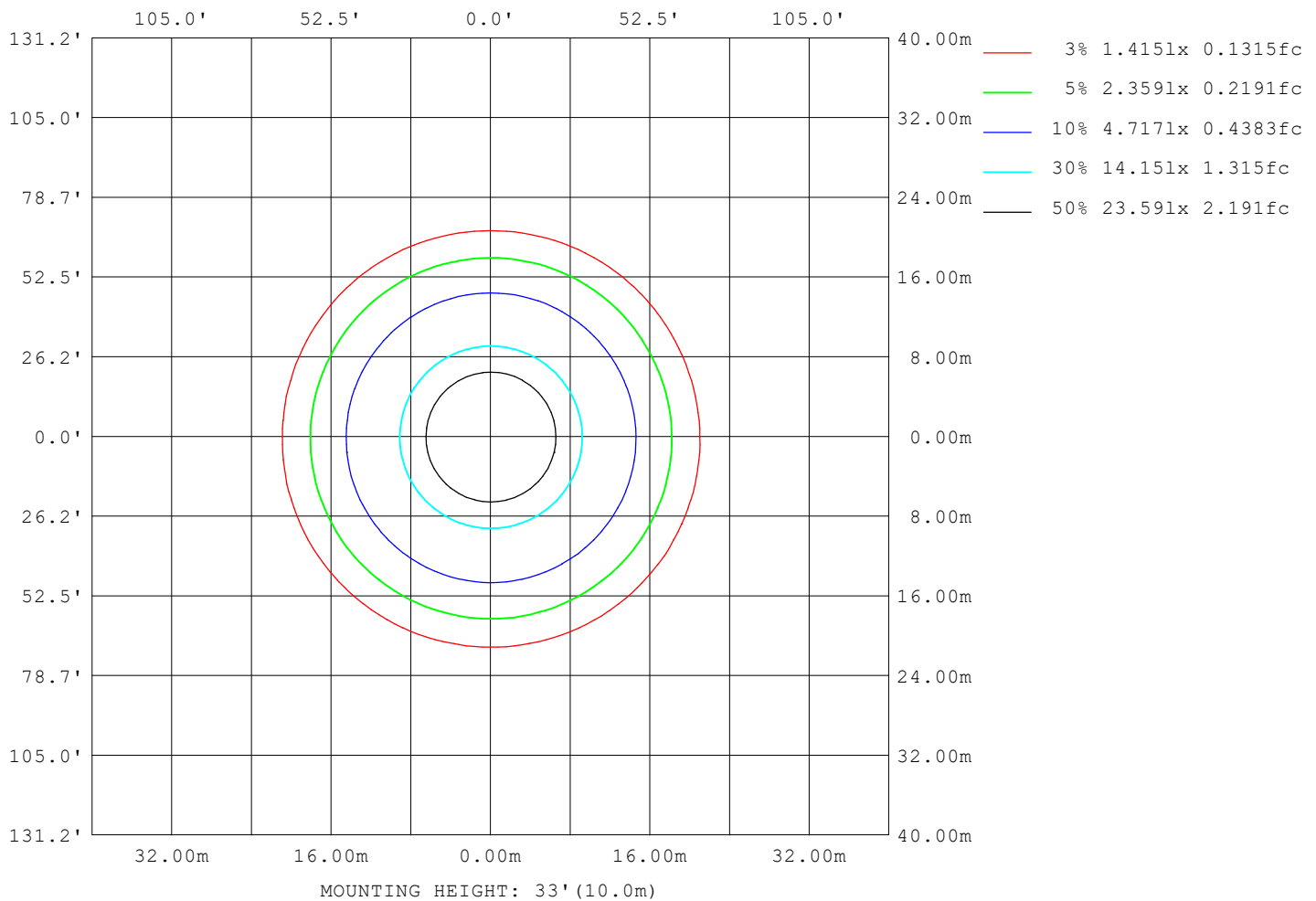


H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 01 November 2022

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

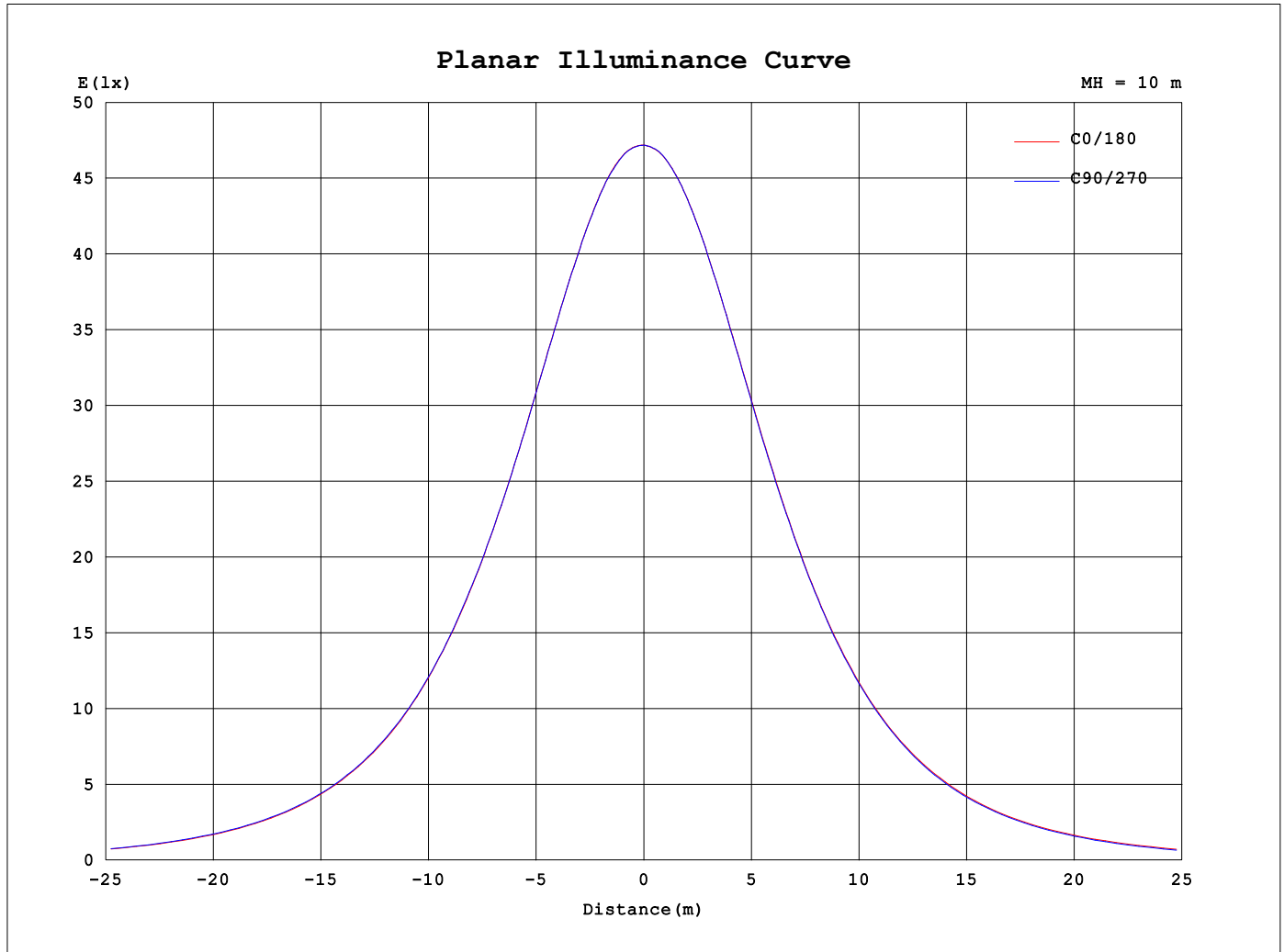
NAME: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 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

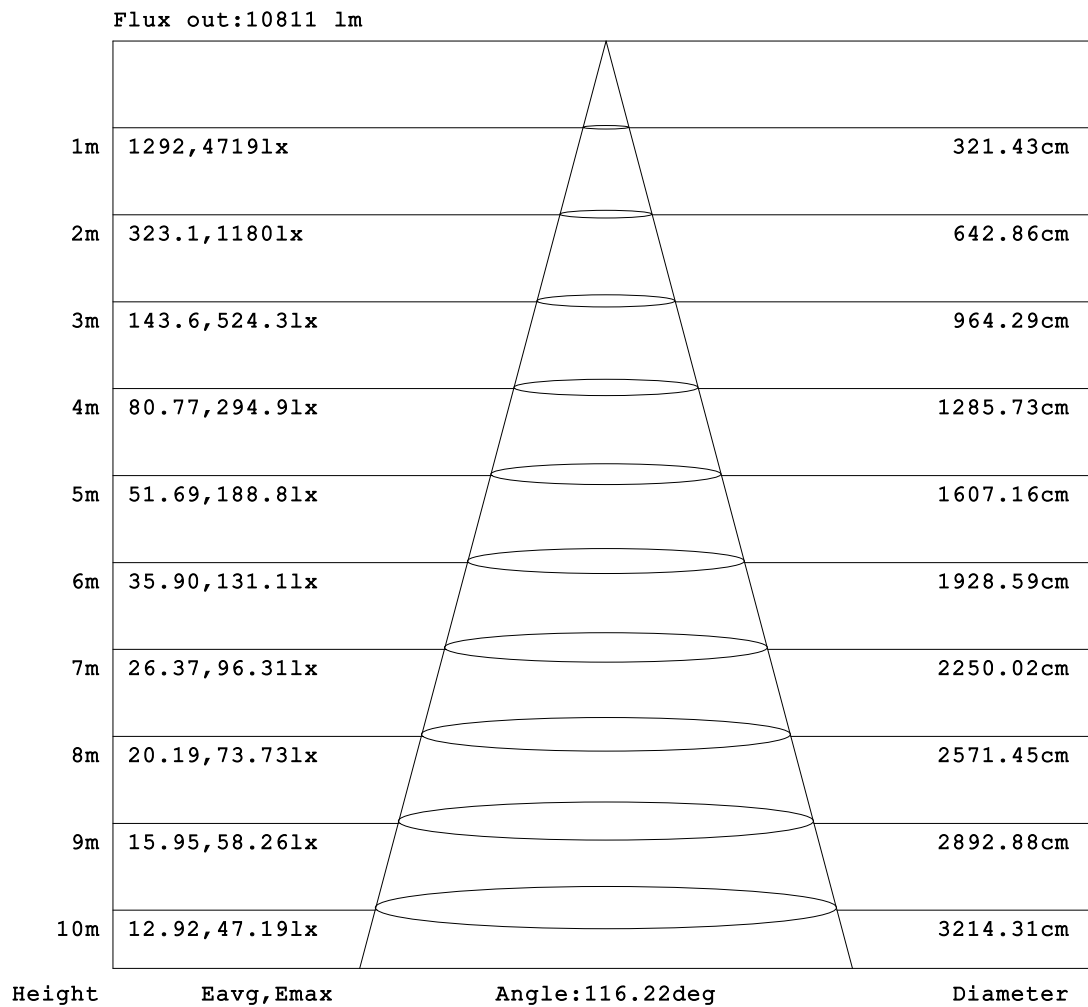


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 November 2022

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: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	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:01 November 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: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

Table--1

UNIT: cd

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	4.80	4.92	5.55	6.63	10.6	18.7	39.9	56.2	88.3	113	150	176	207	230	254	264	278	282	283
-75	4.89	4.98	6.78	10.6	33.1	58.6	111	155	232	289	360	414	485	522	570	595	624	635	641
-70	5.05	5.23	10.3	30.1	87.9	151	272	364	509	600	753	836	946	1012	1094	1134	1184	1204	1215
-65	5.17	5.47	16.7	53.3	154	252	439	562	762	901	1082	1185	1328	1415	1516	1576	1633	1665	1677
-60	5.36	5.86	33.3	94.8	265	419	670	843	1134	1292	1514	1658	1836	1940	2073	2143	2215	2251	2267
-55	5.50	6.18	48.2	140	356	551	835	1059	1363	1542	1797	1944	2147	2256	2400	2472	2556	2595	2616
-50	5.71	6.63	71.8	197	502	726	1096	1355	1692	1901	2184	2352	2572	2695	2850	2931	3025	3064	3088
-45	5.85	7.04	92.9	247	600	843	1271	1529	1888	2114	2411	2591	2819	2952	3113	3197	3293	3334	3358
-40	6.05	7.65	122	315	724	1012	1490	1772	2163	2404	2723	2911	3155	3296	3466	3554	3657	3700	3728
-35	6.18	8.21	155	365	801	1125	1612	1912	2324	2567	2900	3092	3344	3487	3660	3749	3855	3898	3927
-30	6.38	8.81	173	430	907	1277	1791	2102	2534	2788	3132	3332	3591	3737	3914	4008	4112	4157	4187
-25	6.49	9.20	196	471	976	1362	1893	2213	2651	2915	3263	3466	3729	3877	4054	4150	4258	4304	4333
-20	6.66	9.75	218	522	1046	1463	1999	2329	2781	3053	3414	3619	3893	4042	4226	4324	4434	4479	4512
-15	6.76	10.3	234	556	1104	1523	2068	2402	2859	3130	3492	3702	3975	4126	4310	4407	4516	4563	4593
-10	6.89	10.6	245	582	1153	1577	2135	2477	2942	3216	3580	3794	4068	4219	4407	4505	4612	4656	4685
-5	6.96	11.5	256	598	1177	1601	2157	2502	2968	3245	3609	3823	4099	4252	4437	4536	4644	4690	4713
0	7.07	11.9	256	597	1179	1603	2162	2509	2976	3254	3622	3837	4112	4264	4451	4552	4657	4698	4719
5	7.15	13.2	259	605	1181	1603	2160	2503	2970	3246	3611	3824	4099	4251	4436	4536	4644	4687	4712
10	7.26	13.3	245	578	1140	1563	2115	2454	2916	3190	3553	3765	4040	4190	4375	4474	4583	4628	4657
15	7.33	13.2	238	559	1107	1526	2069	2406	2860	3132	3494	3704	3973	4122	4306	4403	4512	4558	4591
20	7.44	12.1	218	521	1038	1452	1981	2306	2751	3019	3374	3580	3847	3993	4173	4272	4377	4421	4452
25	7.50	11.6	206	485	987	1374	1899	2216	2654	2917	3267	3467	3727	3873	4052	4146	4248	4294	4326
30	7.60	10.3	171	422	882	1241	1742	2049	2476	2725	3066	3259	3517	3662	3832	3925	4032	4075	4100
35	7.64	10.1	165	383	818	1148	1631	1930	2335	2576	2908	3101	3348	3490	3662	3751	3851	3894	3924
40	7.71	9.53	123	309	700	971	1437	1707	2087	2323	2632	2819	3055	3193	3360	3443	3540	3583	3610
45	7.74	9.21	105	263	618	865	1294	1546	1905	2130	2423	2603	2828	2963	3122	3206	3303	3343	3366
50	7.77	8.70	74.3	194	473	693	1039	1286	1608	1804	2084	2242	2458	2575	2732	2807	2895	2932	2955
55	7.79	8.49	58.6	158	387	582	870	1096	1395	1575	1826	1976	2174	2285	2428	2503	2581	2617	2639
60	7.78	8.18	36.8	95.0	253	392	627	779	1052	1202	1412	1542	1712	1813	1933	2002	2071	2104	2120
65	7.78	8.04	25.0	66.0	179	283	478	602	801	944	1123	1234	1380	1462	1567	1625	1685	1713	1726
70	7.76	7.83	12.8	30.4	82.8	134	235	314	441	516	653	724	822	881	952	989	1033	1051	1060
75	7.75	7.74	10.4	17.5	46.7	76.7	137	187	270	327	406	457	535	575	625	652	682	694	700
80	7.72	7.62	8.44	9.39	12.8	18.9	33.0	44.2	64.7	80.3	105	122	141	153	171	179	186	189	191
85	7.75	7.68	7.89	8.26	9.32	10.8	14.3	17.1	22.0	25.7	31.5	35.6	40.2	42.9	47.1	48.7	50.4	51.0	51.3
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:01 November 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: 98VEGA200SLIM	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 352 x 254 x 45	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

Table--2

UNIT: cd

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	281	272	264	246	232	197	178	138	113	77.0	56.7	32.3	19.8	9.78	7.31	5.79	5.46	4.51	
-75	639	621	603	565	535	478	436	351	304	221	169	101	64.6	27.4	12.8	6.71	5.56	4.52	
-70	1212	1184	1156	1095	1038	942	870	747	648	498	405	257	173	80.4	39.0	9.45	6.03	4.56	
-65	1678	1640	1608	1526	1462	1335	1245	1084	961	756	615	424	297	142	70.7	13.6	6.48	4.61	
-60	2267	2229	2180	2094	2009	1864	1741	1544	1391	1150	954	678	501	256	134	27.6	7.49	4.70	
-55	2612	2573	2522	2424	2336	2176	2047	1823	1655	1382	1180	839	639	346	186	41.4	8.59	4.77	
-50	3085	3044	2993	2886	2790	2615	2476	2229	2042	1730	1503	1121	849	494	277	65.9	10.9	4.88	
-45	3355	3313	3259	3148	3053	2865	2718	2459	2259	1927	1686	1289	981	588	336	83.7	13.5	4.96	
-40	3723	3680	3627	3508	3406	3214	3059	2784	2575	2218	1952	1522	1202	733	439	117	19.3	5.10	
-35	3922	3882	3827	3709	3605	3409	3246	2967	2748	2380	2099	1648	1322	805	501	135	24.3	5.19	
-30	4183	4141	4085	3966	3862	3658	3495	3208	2982	2600	2310	1837	1496	922	591	184	31.1	5.34	
-25	4330	4286	4230	4106	3998	3792	3627	3333	3106	2715	2422	1934	1579	981	641	187	35.5	5.43	
-20	4505	4464	4408	4283	4176	3967	3798	3500	3266	2863	2563	2057	1689	1071	706	211	42.6	5.57	
-15	4588	4548	4491	4366	4257	4048	3877	3575	3343	2936	2630	2119	1744	1115	732	222	45.7	5.66	
-10	4684	4643	4586	4464	4355	4144	3973	3670	3433	3024	2714	2193	1818	1178	776	239	50.0	5.78	
-5	4713	4677	4623	4496	4387	4178	4005	3698	3461	3050	2739	2214	1835	1191	782	241	64.3	5.87	
0	4721	4686	4631	4511	4402	4187	4015	3712	3475	3061	2752	2228	1844	1202	789	247	52.4	5.99	
5	4711	4673	4618	4494	4386	4175	4002	3696	3460	3049	2739	2215	1835	1192	782	242	65.5	6.08	
10	4655	4614	4557	4434	4326	4118	3948	3645	3411	3003	2694	2175	1801	1164	768	237	50.3	6.20	
15	4588	4543	4486	4361	4250	4040	3872	3570	3338	2931	2629	2118	1743	1115	736	224	46.8	6.30	
20	4445	4403	4345	4225	4118	3911	3743	3446	3218	2819	2524	2027	1660	1046	691	208	42.4	6.44	
25	4320	4276	4221	4102	3994	3788	3625	3330	3102	2711	2419	1933	1580	984	646	188	38.7	6.55	
30	4097	4056	4002	3880	3777	3578	3414	3133	2910	2535	2248	1783	1449	894	575	179	32.0	6.67	
35	3918	3873	3820	3704	3599	3401	3243	2965	2747	2382	2103	1654	1324	810	511	143	27.5	6.77	
40	3606	3563	3509	3396	3296	3105	2955	2685	2480	2131	1877	1460	1139	700	421	113	21.2	6.90	
45	3360	3319	3265	3155	3056	2870	2725	2462	2269	1933	1695	1294	988	602	347	91.4	17.2	6.98	
50	2952	2908	2859	2757	2662	2490	2353	2113	1930	1629	1411	1037	796	456	261	64.9	12.4	7.09	
55	2636	2593	2547	2449	2359	2198	2069	1846	1677	1401	1202	858	662	361	199	47.6	10.9	7.17	
60	2119	2079	2040	1947	1872	1728	1617	1423	1286	1053	863	618	461	229	123	28.4	9.19	7.27	
65	1723	1688	1653	1571	1504	1382	1282	1118	1001	784	651	455	322	160	81.0	18.3	8.51	7.32	
70	1056	1033	1006	949	902	817	752	639	544	428	351	221	152	70.4	35.6	11.0	7.89	7.41	
75	696	679	659	619	585	525	470	393	338	254	197	122	81.6	37.3	19.0	9.21	7.62	7.45	
80	190	184	178	166	153	133	121	92.7	77.0	54.4	41.4	25.7	17.6	11.0	9.14	7.82	7.40	7.56	
85	51.0	49.5	48.2	45.3	42.4	37.6	34.7	28.2	24.4	19.1	16.0	12.2	10.2	8.50	7.92	7.57	7.51	7.60	
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:01 November 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: