

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	278.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	2.0 degrees horizontal

Beam Spread	At 10% of Imax	152.6V x 154.5H
	At 50% of Imax	115.6V x 116.3H
	At 90% of Imax	52.9V x 54.9H

Beam Flux	Total	794.1 lumens per klm.
	To 10% of Imax	785.2 lumens per klm.
	To 50% of Imax	628.0 lumens per klm.
	To 90% of Imax	185.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	79.4 %

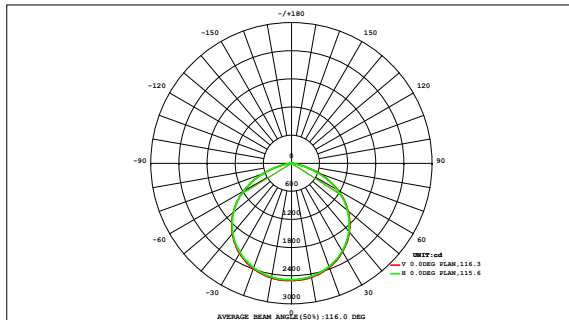
Luminaire Efficiency (Light Output Ratio)	79.4 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 08 July 2022

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: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega100Slim	Imax (cd)	2502
NOMINAL POWER (W)	100	AVAILABILITY (%)	78.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	7066
NOMINAL FLUX (lm)	9000	LOR (%)	79.4
LAMPS INSIDE	1	TOTAL FLUX (lm)	7146
TEST VOLTAGE (V)	230	θ @50% (H,V)	116,116DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.03	0.04	0.07	0.11	0.16	0.23	0.32	0.37	0.42	0.45	0.38	0.28	0.21	0.13	0.06	0.03	0.01	3.29	0.00
90	0.01	0.05	0.30	1.22	2.97	5.22	7.57	9.59	10.7	10.9	10.2	8.58	6.04	3.38	1.53	0.53	0.09	0.01	78.8	57.9
80	0.01	0.24	1.82	5.70	10.8	16.5	21.8	25.7	27.8	27.8	25.9	22.1	16.8	10.9	5.40	1.91	0.36	0.02	221	216
70	0.02	0.70	4.21	10.5	18.3	26.6	33.9	39.3	42.2	42.3	39.6	34.3	27.0	18.7	10.6	4.07	0.84	0.03	353	350
60	0.04	1.32	6.49	14.8	24.8	35.0	43.9	50.4	53.8	53.9	50.7	44.4	35.5	25.3	15.2	6.54	1.43	0.06	464	462
50	0.07	1.94	8.46	18.4	30.0	41.6	51.6	58.9	62.7	62.8	59.2	52.1	42.2	30.7	18.9	8.69	2.03	0.09	550	549
40	0.09	2.45	10.0	21.2	33.9	46.4	57.2	65.0	69.0	69.1	65.2	57.6	47.0	34.6	21.8	10.3	2.57	0.12	614	612
30	0.11	2.82	11.1	23.0	36.4	49.5	60.7	68.8	73.1	73.1	69.0	61.2	50.3	37.3	23.7	11.4	2.96	0.15	655	654
20	0.13	3.01	11.6	23.9	37.6	51.1	62.5	70.8	75.0	74.9	71.1	63.3	52.0	38.6	24.6	12.0	3.18	0.16	675	675
10	0.13	3.00	11.5	23.8	37.5	50.8	62.2	70.3	74.5	75.1	71.3	63.4	52.0	38.6	24.6	12.0	3.18	0.16	674	673
0	0.12	2.80	11.0	22.8	36.0	48.9	59.8	67.8	72.2	72.7	69.0	61.3	50.3	37.2	23.6	11.4	2.96	0.14	650	649
-10	0.10	2.41	9.89	20.9	33.3	45.5	55.9	63.7	67.9	68.3	64.6	57.3	46.9	34.4	21.6	10.3	2.56	0.12	606	604
-20	0.07	1.91	8.30	18.1	29.4	40.5	50.2	57.3	61.3	61.6	58.1	51.2	41.6	30.3	18.7	8.62	2.02	0.08	539	538
-30	0.05	1.35	6.25	14.4	24.1	33.8	42.3	48.7	52.2	52.4	49.2	43.1	34.7	24.8	14.9	6.51	1.40	0.05	450	448
-40	0.03	0.78	3.98	10.1	17.6	25.3	32.2	37.5	40.4	40.6	37.9	32.8	25.9	18.0	10.4	4.09	0.75	0.03	338	335
-50	0.01	0.33	2.00	5.33	10.1	15.4	20.2	23.8	25.8	25.8	23.8	19.9	15.2	10.1	5.27	1.73	0.25	0.01	205	199
-60	0.01	0.08	0.53	1.64	3.19	5.16	7.16	8.61	9.20	9.00	8.03	6.24	4.26	2.42	0.98	0.25	0.06	0.01	66.8	44.2
-70	0.01	0.03	0.06	0.12	0.20	0.23	0.27	0.31	0.28	0.24	0.21	0.16	0.13	0.10	0.07	0.05	0.03	0.01	2.49	0.00
-80	0.01	0.03	0.06	0.12	0.20	0.23	0.27	0.31	0.28	0.24	0.21	0.16	0.13	0.10	0.07	0.05	0.03	0.01	2.49	0.00
-90	0.01	0.03	0.06	0.12	0.20	0.23	0.27	0.31	0.28	0.24	0.21	0.16	0.13	0.10	0.07	0.05	0.03	0.01	2.49	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.01	25.2	107	236	386	538	670	767	819	821	773	679	548	396	242	110	26.7	1.27	7146	---
Φ a	0.00	17.6	102	231	382	533	665	763	815	817	770	675	544	391	237	105	18.9	0.00	---	7066

one-half-peak spread: U:57.5,D:55.2 , L:59.9,R:56.9

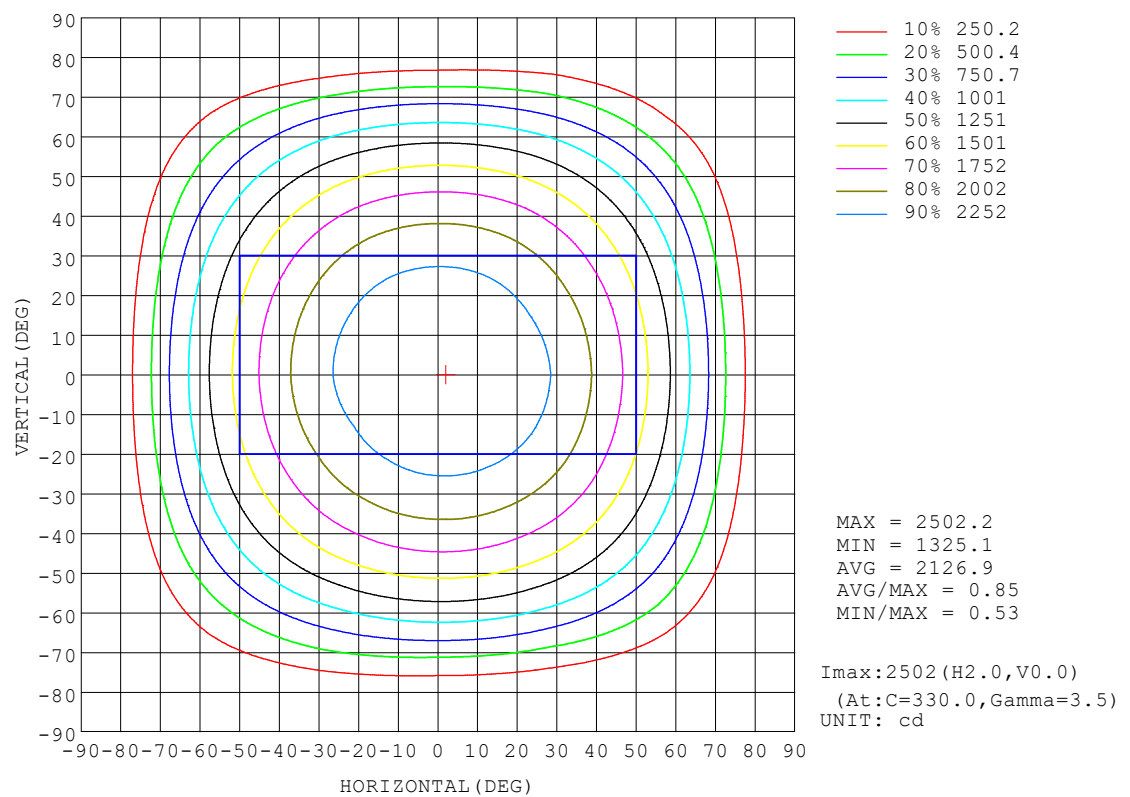
NEMA Beam Type: Type 7

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: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:

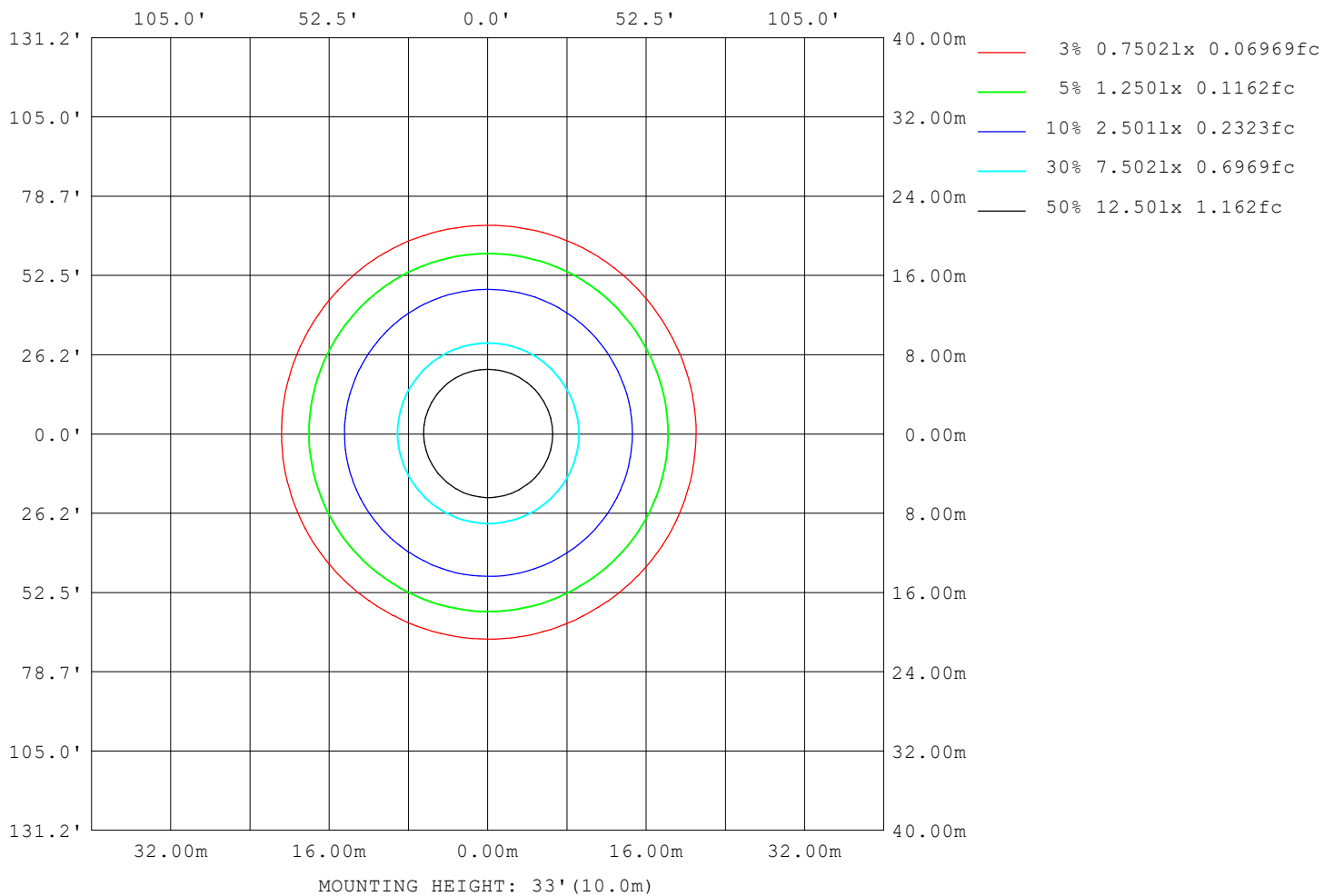


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ISOLUX DIAGRAM

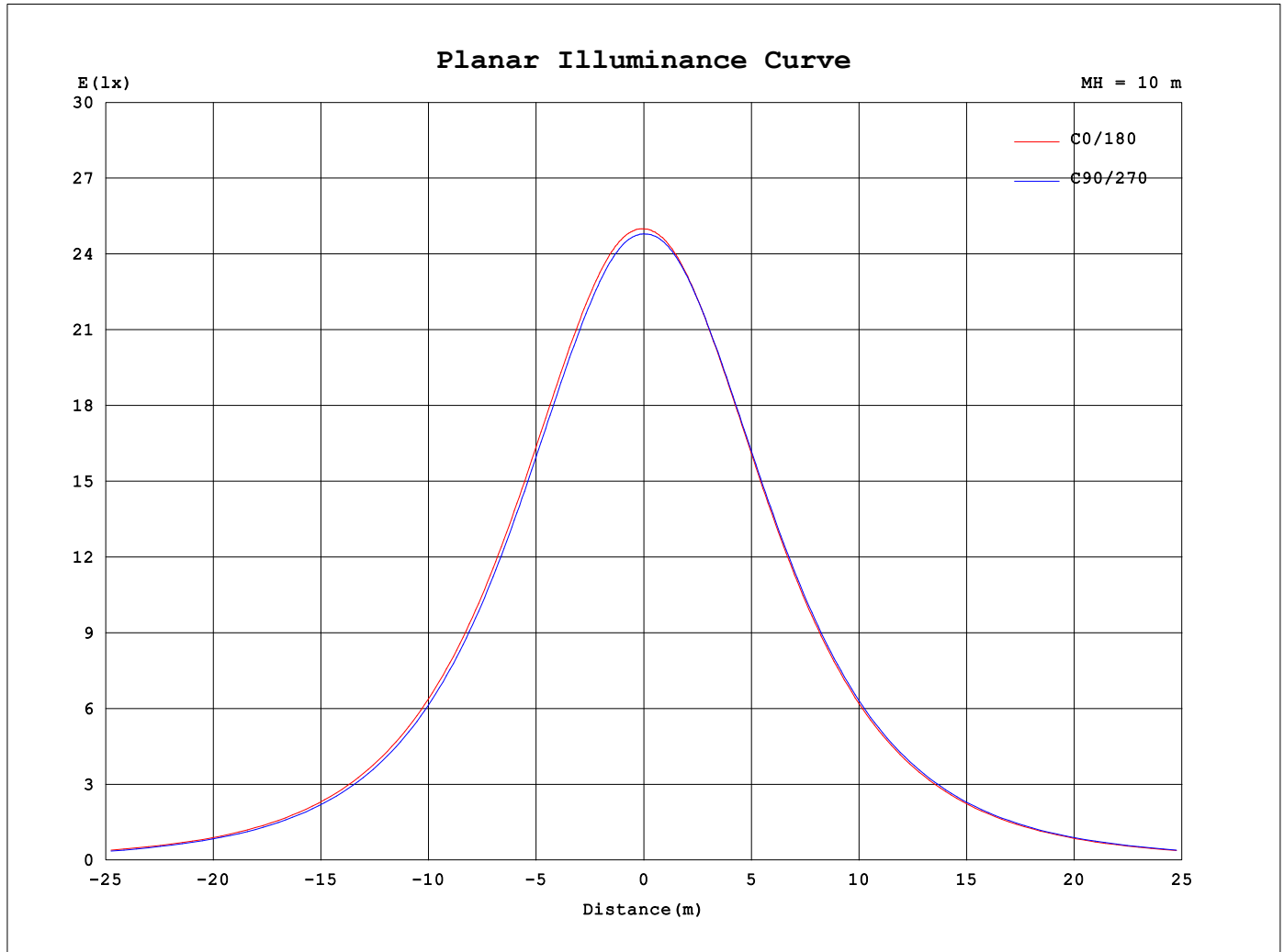
NAME: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:



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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

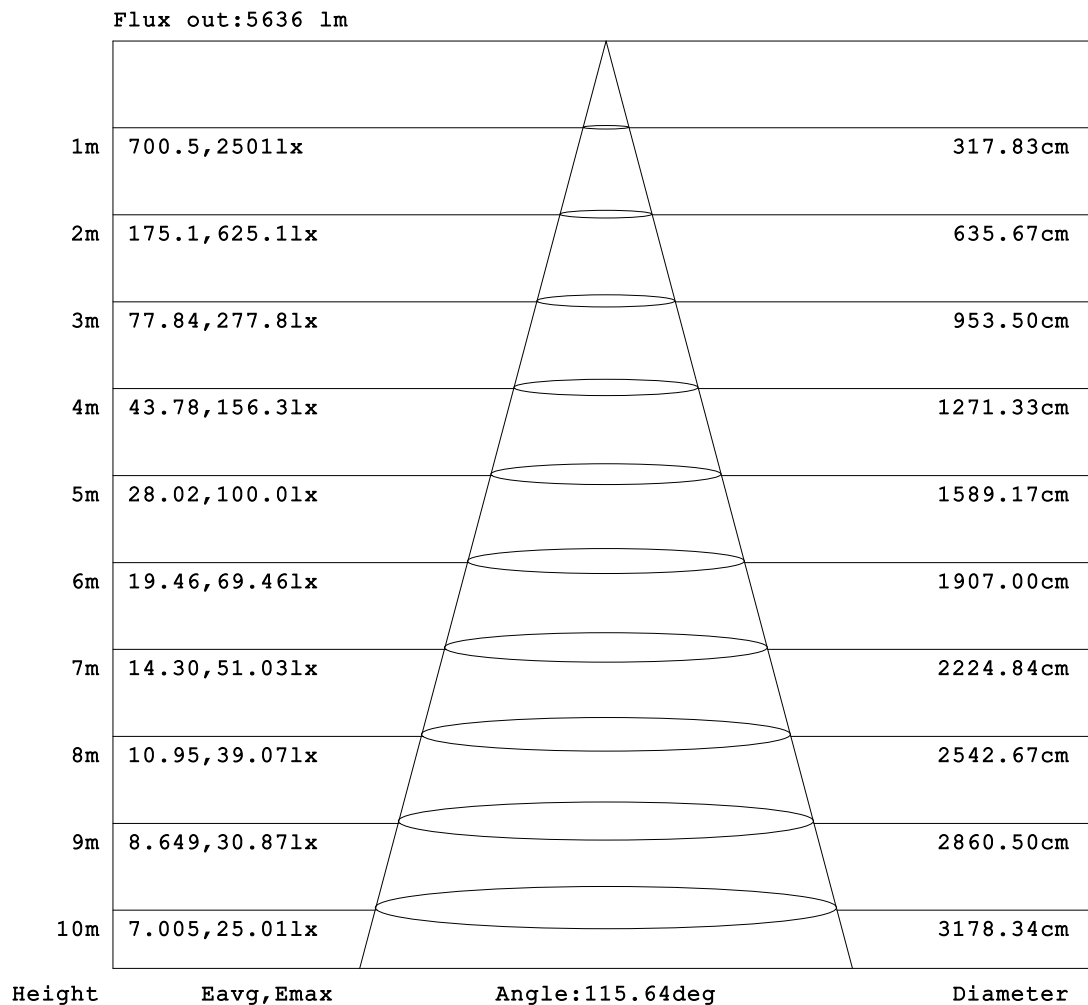


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 08 July 2022

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: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:



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

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 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: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	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	3.24	3.32	3.40	3.49	3.57	3.65	3.73	3.74	3.74	3.74	3.75	3.75	3.75	3.73	3.70	3.68	3.65	3.63	3.61
-85	3.24	3.27	3.41	3.64	3.90	4.18	4.49	4.62	4.76	4.77	4.67	4.52	4.18	4.27	4.35	4.34	4.26	4.13	3.94
-80	3.24	3.33	3.75	4.37	5.63	8.20	15.0	22.3	28.6	33.3	35.5	40.6	46.7	52.6	54.9	55.8	54.5	50.1	42.9
-75	3.24	3.47	4.31	6.48	16.1	34.3	61.8	88.7	112	140	170	203	231	254	273	290	303	310	310
-70	3.24	3.65	5.54	16.1	42.2	84.1	136	187	237	291	346	402	457	498	528	549	563	569	566
-65	3.24	3.88	8.21	32.5	80.9	149	224	298	377	467	552	622	683	734	780	817	845	863	870
-60	3.24	4.15	15.1	56.5	128	222	318	425	549	651	743	824	897	961	1016	1060	1091	1111	1119
-55	3.24	4.60	23.3	84.5	184	299	427	578	703	818	923	1020	1101	1171	1233	1281	1317	1340	1349
-50	3.24	5.14	33.5	114	241	381	554	706	845	976	1094	1197	1288	1365	1431	1483	1521	1545	1555
-45	3.24	5.73	46.0	151	297	472	660	825	979	1121	1248	1361	1457	1537	1606	1661	1702	1728	1739
-40	3.24	6.39	58.4	186	353	564	757	932	1102	1251	1386	1502	1604	1689	1761	1821	1864	1890	1902
-35	3.24	7.43	69.6	218	408	641	841	1034	1208	1367	1504	1627	1734	1825	1898	1957	2001	2030	2042
-30	3.24	9.03	82.2	250	464	703	915	1120	1303	1465	1607	1735	1847	1938	2014	2073	2119	2149	2161
-25	3.24	10.5	91.0	277	517	760	984	1193	1384	1549	1697	1827	1939	2034	2111	2171	2217	2247	2260
-20	3.24	12.3	101	300	559	807	1040	1255	1450	1620	1773	1904	2015	2110	2190	2251	2296	2326	2341
-15	3.24	13.6	110	319	592	842	1083	1303	1501	1675	1832	1966	2079	2172	2250	2313	2359	2389	2402
-10	3.24	14.6	117	334	615	867	1115	1339	1538	1717	1877	2012	2128	2223	2299	2358	2404	2432	2447
-5	3.24	15.2	121	343	629	883	1134	1361	1563	1744	1905	2044	2162	2260	2338	2397	2435	2459	2474
0	3.24	15.4	122	346	634	890	1142	1370	1573	1756	1919	2059	2179	2280	2360	2423	2468	2494	2501
5	3.24	15.1	121	345	630	885	1137	1365	1568	1750	1913	2052	2173	2273	2352	2415	2458	2481	2480
10	3.24	14.3	116	337	617	871	1119	1346	1548	1729	1892	2030	2149	2248	2326	2389	2432	2455	2462
15	3.24	13.3	108	324	595	847	1091	1313	1515	1694	1854	1992	2107	2207	2286	2348	2392	2416	2423
20	3.24	11.9	97.8	306	565	813	1051	1267	1467	1644	1801	1938	2051	2151	2231	2292	2336	2359	2368
25	3.24	10.1	86.6	281	526	767	997	1208	1403	1577	1731	1866	1982	2078	2157	2218	2259	2284	2292
30	3.24	8.64	76.3	253	478	712	928	1137	1325	1495	1646	1778	1892	1988	2066	2125	2166	2190	2197
35	3.24	7.08	63.2	218	426	650	854	1054	1231	1396	1543	1672	1784	1878	1954	2012	2052	2076	2084
40	3.24	6.07	51.3	182	373	576	770	953	1125	1283	1425	1548	1656	1747	1821	1877	1917	1940	1948
45	3.24	5.41	38.2	144	312	494	675	844	1008	1154	1289	1409	1509	1595	1667	1720	1758	1781	1790
50	3.24	4.85	26.9	103	243	410	571	725	870	1012	1135	1245	1346	1429	1493	1543	1579	1602	1610
55	3.24	4.34	18.7	69.6	177	321	463	598	729	851	966	1069	1157	1233	1296	1345	1379	1400	1407
60	3.24	3.92	12.4	42.1	112	219	353	468	576	684	783	873	955	1024	1077	1119	1150	1170	1177
65	3.24	3.67	6.95	21.6	59.8	130	221	330	417	502	589	666	735	794	839	876	904	921	927
70	3.24	3.48	4.73	11.4	23.6	56.8	110	174	241	318	377	431	488	541	585	617	640	654	659
75	3.24	3.33	3.77	5.02	9.60	14.9	29.5	55.5	88.1	124	161	198	236	273	306	326	341	350	353
80	3.24	3.22	3.37	3.55	3.93	4.79	5.81	8.17	10.8	16.3	22.2	26.5	31.5	42.9	54.8	63.9	70.1	73.6	74.4
85	3.24	3.18	3.19	3.20	3.16	3.05	2.88	2.89	2.95	3.04	3.19	3.33	3.47	3.69	3.94	4.14	4.27	4.35	4.36
90	3.24	3.22	3.21	3.19	3.17	3.16	3.14	3.11	3.08	3.05	3.01	2.98	2.95	2.95	2.94	2.93	2.93	2.92	2.92

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: 98Vega100Slim	TYPE: 98Vega100Slim	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.0132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	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	3.60	3.59	3.59	3.58	3.57	3.57	3.59	3.61	3.63	3.65	3.67	3.69	3.68	3.68	3.67	3.67	3.66	3.66	
-85	3.92	3.87	3.80	3.69	3.56	3.47	3.48	3.47	3.43	3.43	3.42	3.45	3.64	3.73	3.73	3.65	3.60	3.66	
-80	41.7	38.1	32.1	25.4	19.6	16.0	16.3	13.7	10.4	8.45	6.66	5.36	5.08	4.42	4.15	3.95	3.67	3.66	
-75	306	294	275	250	218	186	155	126	93.7	66.6	39.0	18.4	14.7	9.96	5.78	4.40	3.84	3.66	
-70	562	549	529	501	466	430	391	338	275	214	155	96.6	48.6	25.2	12.2	5.37	4.05	3.66	
-65	866	850	822	783	729	664	601	540	471	386	295	210	125	58.9	25.1	8.14	4.28	3.66	
-60	1115	1098	1070	1029	977	915	840	751	654	559	451	325	216	117	46.5	13.6	4.55	3.66	
-55	1344	1327	1295	1250	1192	1124	1043	949	840	718	598	454	305	181	77.4	22.0	5.01	3.66	
-50	1551	1532	1499	1452	1390	1315	1227	1124	1007	873	728	575	399	245	115	33.1	5.55	3.66	
-45	1735	1716	1680	1630	1566	1490	1395	1282	1156	1014	853	683	497	308	157	47.8	6.18	3.66	
-40	1898	1879	1842	1790	1724	1642	1543	1427	1291	1139	968	782	586	369	196	62.8	7.26	3.66	
-35	2039	2019	1982	1930	1864	1778	1673	1553	1412	1250	1070	872	662	430	232	78.1	8.57	3.66	
-30	2159	2139	2102	2050	1982	1895	1788	1662	1516	1346	1159	952	729	488	265	95.1	10.3	3.66	
-25	2258	2239	2202	2152	2082	1994	1886	1753	1602	1430	1236	1019	788	539	294	109	11.8	3.66	
-20	2339	2321	2286	2234	2164	2074	1962	1829	1674	1498	1298	1076	837	581	318	123	13.6	3.66	
-15	2403	2388	2354	2301	2228	2135	2022	1887	1730	1551	1347	1122	874	614	338	135	15.0	3.66	
-10	2450	2436	2404	2349	2274	2180	2065	1929	1771	1589	1384	1155	903	637	352	145	16.1	3.66	
-5	2484	2470	2433	2377	2303	2208	2092	1955	1798	1614	1407	1175	920	651	361	152	16.8	3.66	
0	2499	2482	2444	2390	2314	2220	2104	1966	1809	1624	1417	1184	927	656	365	155	17.2	3.66	
5	2472	2455	2423	2372	2300	2207	2091	1955	1799	1615	1409	1177	922	651	361	153	17.0	3.66	
10	2454	2431	2391	2340	2269	2178	2064	1929	1773	1592	1387	1158	905	638	352	147	16.4	3.66	
15	2417	2395	2354	2298	2224	2133	2021	1889	1733	1555	1353	1125	877	616	338	138	15.5	3.66	
20	2360	2338	2298	2242	2167	2073	1963	1831	1680	1505	1306	1081	841	583	318	126	14.1	3.66	
25	2286	2263	2225	2169	2094	2001	1889	1759	1610	1438	1246	1025	794	540	293	114	12.4	3.66	
30	2192	2171	2133	2077	2003	1912	1801	1672	1526	1359	1169	959	736	488	265	102	10.8	3.66	
35	2078	2057	2020	1967	1895	1804	1696	1569	1426	1265	1078	880	668	427	232	86.0	9.10	3.66	
40	1943	1924	1888	1837	1765	1677	1572	1450	1311	1153	979	793	591	367	198	71.6	7.70	3.66	
45	1785	1765	1731	1682	1613	1530	1429	1313	1179	1027	865	692	497	307	164	56.4	6.50	3.66	
50	1606	1587	1554	1506	1443	1362	1268	1157	1031	891	744	583	394	246	126	40.2	5.81	3.66	
55	1402	1384	1352	1307	1249	1175	1086	984	869	745	609	449	304	184	94.3	27.5	5.21	3.66	
60	1173	1156	1128	1089	1037	968	887	797	697	586	450	322	216	132	64.1	17.1	4.67	3.66	
65	923	908	882	848	802	745	678	600	509	402	301	210	141	84.0	37.1	10.0	4.34	3.66	
70	656	644	623	595	560	517	458	391	318	241	170	122	81.2	45.1	18.3	6.11	4.06	3.66	
75	358	357	350	337	312	281	233	187	144	109	80.9	57.6	35.9	18.3	7.80	4.69	3.80	3.66	
80	80.8	84.5	85.3	82.7	75.9	66.4	54.3	44.5	35.5	29.1	24.0	17.3	10.2	5.98	4.61	3.98	3.59	3.66	
85	4.56	4.68	4.72	4.66	4.49	4.31	4.82	4.96	4.72	4.66	4.52	4.24	3.96	3.77	3.62	3.50	3.51	3.66	
90	2.94	2.96	2.98	3.01	3.03	3.05	3.06	3.06	3.07	3.08	3.08	3.09	3.18	3.28	3.37	3.47	3.56	3.66	

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: