

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	280.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	1.0 degrees horizontal

Beam Spread	At 10% of Imax	152.4V x 154.5H
	At 50% of Imax	113.6V x 114.7H
	At 90% of Imax	48.7V x 52.5H

Beam Flux	Total	782.4 lumens per klm.
	To 10% of Imax	773.0 lumens per klm.
	To 50% of Imax	610.0 lumens per klm.
	To 90% of Imax	171.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	78.2 %

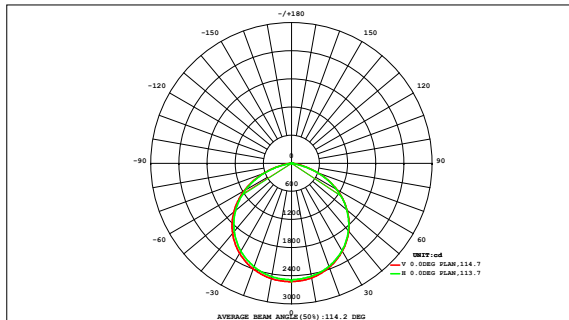
Luminaire Efficiency (Light Output Ratio)	78.2 %
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 08 July 2022

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/WH	TYPE: 98Vega100Slim/WH	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega100Slim/WH	Imax (cd)	2525
NOMINAL POWER (W)	100	AVAILABILITY (%)	77.3
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	6955
NOMINAL FLUX (lm)	9000	LOR (%)	78.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	7041
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,114DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.03	0.05	0.09	0.15	0.21	0.29	0.38	0.40	0.41	0.38	0.30	0.22	0.16	0.09	0.05	0.03	0.01	3.26	0.00
90	0.01	0.07	0.38	1.26	2.95	5.30	7.67	9.36	10.2	10.2	9.51	7.88	5.45	3.05	1.40	0.45	0.09	0.01	75.3	52.8
80	0.02	0.30	1.72	5.09	10.2	15.8	20.8	24.5	26.5	26.6	24.8	21.2	16.2	10.5	5.10	1.85	0.35	0.02	212	205
70	0.03	0.75	3.84	9.96	17.6	25.5	32.6	37.9	40.7	40.8	38.2	33.1	26.1	18.1	10.3	3.93	0.84	0.04	340	337
60	0.05	1.31	6.09	14.2	23.9	33.9	42.6	49.0	52.4	52.4	49.2	43.0	34.4	24.5	14.7	6.41	1.41	0.07	450	448
50	0.08	1.88	8.07	17.8	29.1	40.5	50.4	57.7	61.5	61.6	57.9	50.8	41.0	29.8	18.4	8.52	2.01	0.10	537	536
40	0.12	2.36	9.63	20.5	33.1	45.5	56.3	64.2	68.2	68.2	64.3	56.5	46.0	33.8	21.2	10.1	2.55	0.13	603	601
30	0.14	2.71	10.7	22.4	35.7	48.8	60.1	68.4	72.7	72.5	68.3	60.4	49.6	36.6	23.2	11.2	2.96	0.16	647	646
20	0.15	2.89	11.2	23.3	37.1	50.6	62.2	70.8	75.1	74.6	70.8	63.0	51.7	38.2	24.2	11.8	3.17	0.18	671	670
10	0.15	2.89	11.2	23.3	36.9	50.3	61.8	70.0	74.2	75.3	71.5	63.4	51.9	38.3	24.3	11.8	3.18	0.18	671	670
0	0.14	2.70	10.6	22.2	35.4	48.2	59.1	67.3	72.0	72.7	69.0	61.2	50.1	36.9	23.3	11.2	2.99	0.16	645	644
-10	0.12	2.36	9.53	20.3	32.5	44.5	55.1	63.1	67.6	68.1	64.5	57.0	46.6	34.2	21.4	10.1	2.61	0.13	600	599
-20	0.09	1.90	7.95	17.5	28.5	39.6	49.3	56.7	60.9	61.3	57.8	50.9	41.4	30.1	18.5	8.56	2.10	0.10	533	532
-30	0.05	1.36	5.97	13.9	23.3	32.9	41.4	47.9	51.6	51.9	48.9	42.8	34.4	24.6	14.8	6.55	1.51	0.07	444	442
-40	0.03	0.80	3.85	9.64	16.9	24.6	31.4	36.8	39.8	40.1	37.5	32.5	25.7	18.0	10.5	4.29	0.91	0.04	333	330
-50	0.02	0.31	1.93	5.09	9.78	14.9	19.7	23.4	25.6	25.7	23.9	20.4	15.7	10.5	5.68	2.15	0.36	0.02	205	199
-60	0.01	0.08	0.42	1.40	2.85	4.74	6.81	8.47	9.31	9.38	8.65	7.07	5.04	3.11	1.57	0.48	0.09	0.01	69.5	45.7
-70	0.01	0.03	0.06	0.09	0.15	0.19	0.22	0.27	0.28	0.28	0.28	0.22	0.19	0.15	0.09	0.06	0.03	0.01	2.61	0.00
-80	0.01	0.03	0.06	0.09	0.15	0.19	0.22	0.27	0.28	0.28	0.28	0.22	0.19	0.15	0.09	0.06	0.03	0.01	2.61	0.00
-90	0.01	0.03	0.06	0.09	0.15	0.19	0.22	0.27	0.28	0.28	0.28	0.22	0.19	0.15	0.09	0.06	0.03	0.01	2.61	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.23	24.7	103	228	376	526	658	756	809	812	765	672	542	391	239	110	27.2	1.43	7041	---
Φ a	0.00	16.4	97.2	223	371	521	654	752	805	809	761	667	537	386	233	104	18.8	0.00	---	6955

one-half-peak spread: U:56.8,D:57.4 , L:58.1,R:57.2

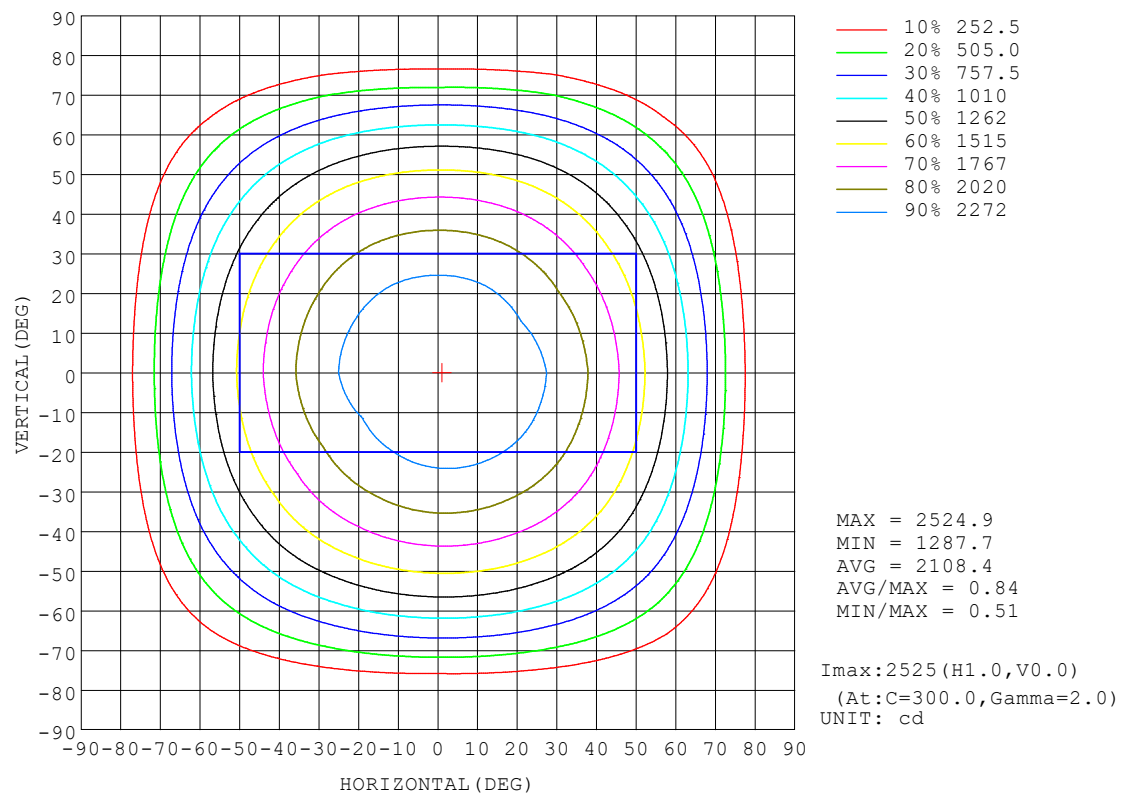
NEMA Beam Type: Type 7

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/WH	TYPE: 98Vega100Slim/WH	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:

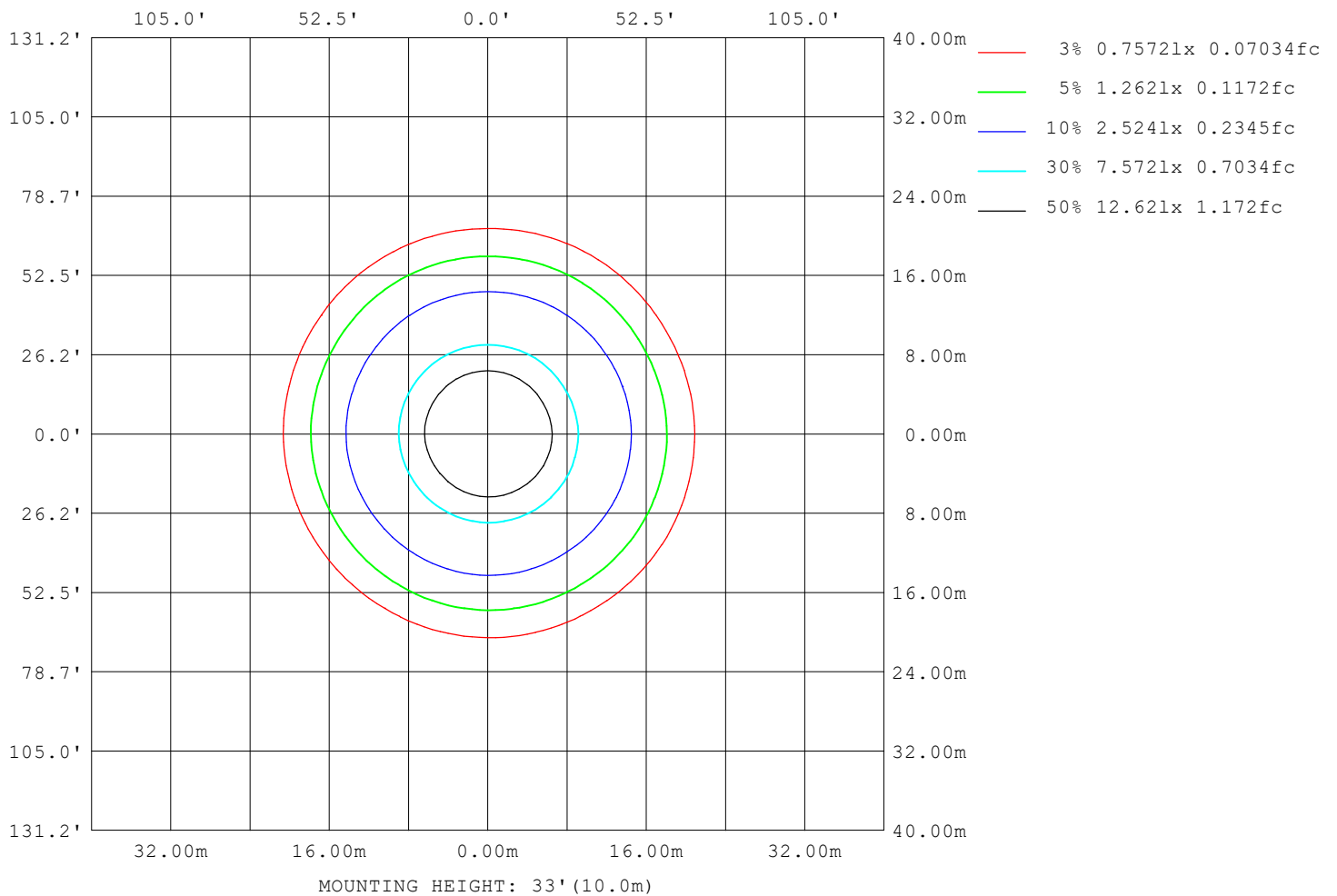


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ISOLUX DIAGRAM

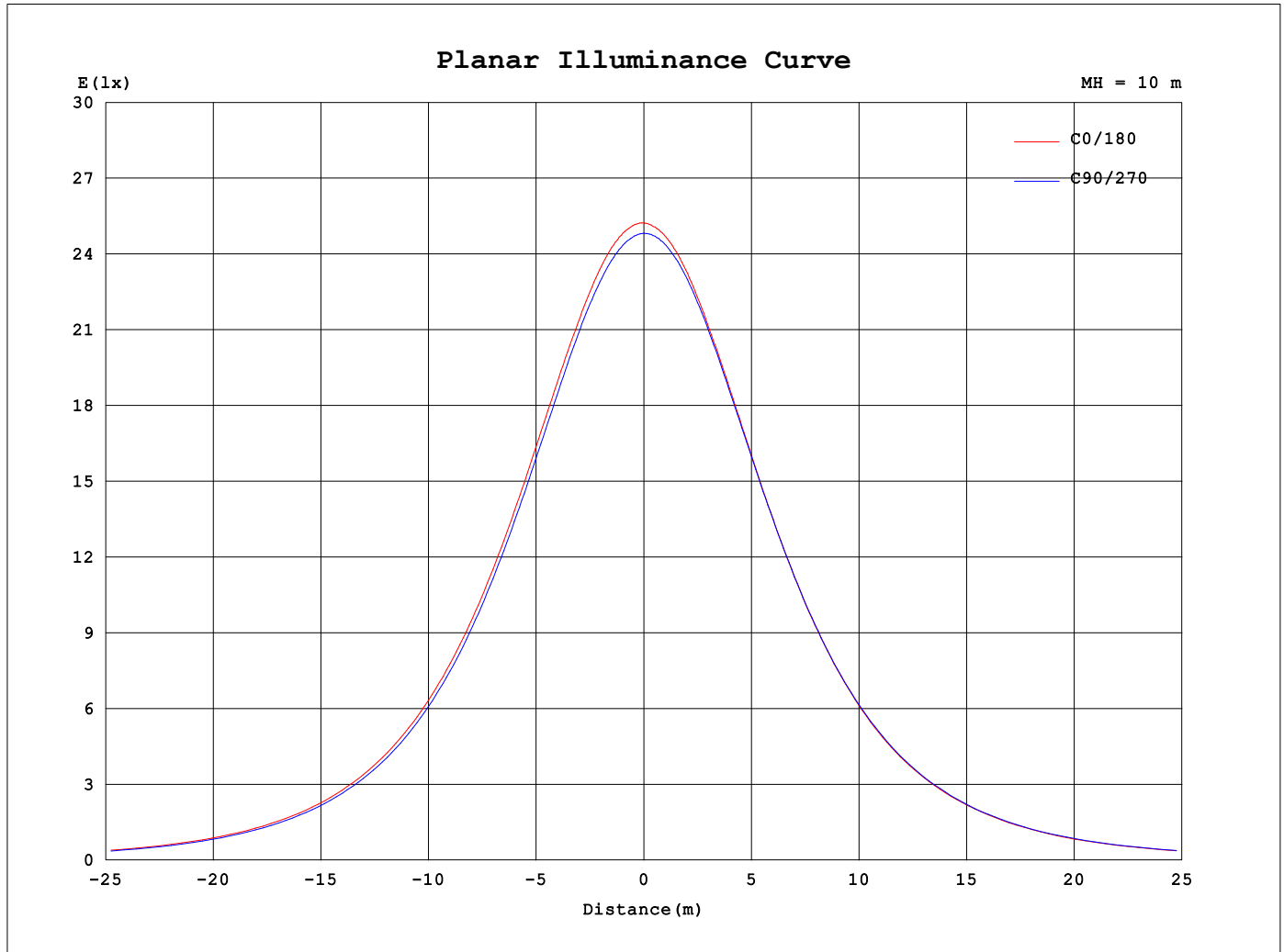
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SPEC.:	DIM.: 0.3 x 0.19 x 0.132	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangle 230x144	Shielding Angle:



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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

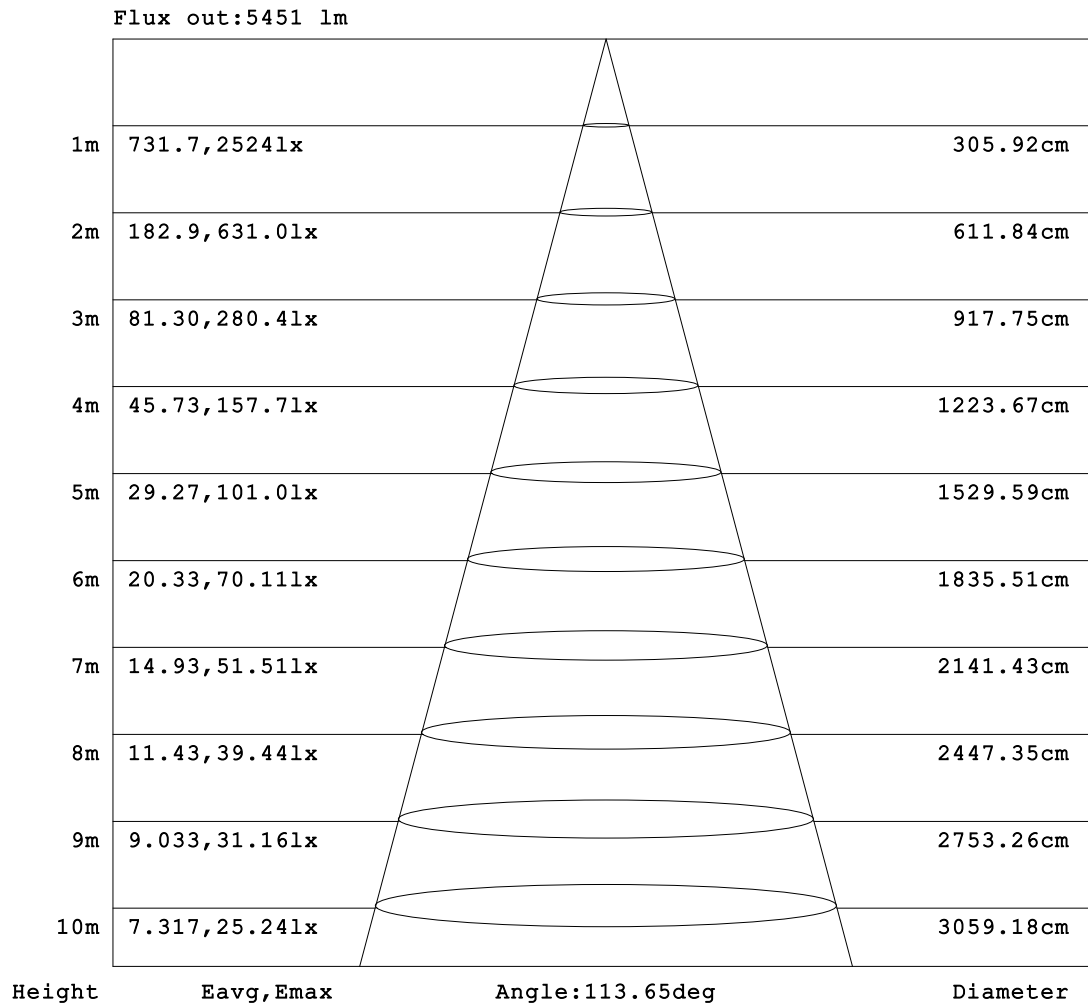


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 08 July 2022

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/WH	TYPE: 98Vega100Slim/WH	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.132	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.

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/WH	TYPE: 98Vega100Slim/WH	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.132	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	3.17	3.26	3.34	3.42	3.50	3.58	3.66	3.64	3.62	3.59	3.57	3.55	3.53	3.52	3.51	3.50	3.49	3.48	3.47
-85	3.17	3.19	3.39	3.60	3.75	3.80	3.72	3.85	4.01	4.10	4.14	4.03	3.80	3.91	4.09	4.18	4.19	4.14	4.04
-80	3.17	3.35	3.95	4.62	5.56	7.44	9.21	12.7	18.3	23.5	27.5	27.6	26.9	34.5	41.3	45.9	48.8	49.2	47.2
-75	3.17	3.64	4.90	7.64	13.5	24.3	45.7	69.4	98.9	124	150	182	213	238	264	283	296	303	304
-70	3.17	4.03	6.51	15.4	34.9	73.2	129	176	222	276	336	399	450	492	527	557	579	593	600
-65	3.17	4.50	10.4	30.6	76.4	145	214	283	365	456	533	600	658	715	761	799	828	846	855
-60	3.17	5.05	16.4	56.0	130	216	304	411	528	626	716	798	872	936	993	1037	1070	1092	1102
-55	3.17	5.79	25.4	87.3	185	288	411	553	673	787	895	989	1071	1143	1206	1257	1295	1321	1333
-50	3.17	6.57	36.1	121	236	365	528	676	813	942	1058	1164	1256	1334	1403	1458	1498	1525	1537
-45	3.17	7.46	49.2	157	289	451	633	792	943	1083	1212	1324	1423	1508	1579	1637	1681	1709	1722
-40	3.17	9.14	65.1	192	340	534	725	902	1061	1213	1347	1466	1572	1660	1733	1796	1841	1872	1886
-35	3.17	10.8	79.2	221	391	612	811	998	1170	1325	1465	1592	1701	1794	1871	1934	1982	2015	2031
-30	3.17	12.5	94.6	249	441	678	887	1084	1266	1425	1568	1699	1812	1908	1987	2051	2103	2136	2153
-25	3.17	14.0	105	274	486	732	953	1159	1347	1511	1661	1789	1905	2004	2087	2151	2203	2238	2255
-20	3.17	15.8	116	295	524	779	1009	1222	1414	1585	1738	1869	1981	2082	2166	2233	2283	2319	2339
-15	3.17	17.3	125	312	555	817	1053	1272	1467	1644	1801	1935	2050	2143	2226	2295	2345	2381	2403
-10	3.17	18.4	131	325	580	844	1085	1308	1507	1689	1850	1987	2105	2202	2278	2336	2387	2422	2445
-5	3.17	19.2	135	333	595	860	1106	1332	1533	1718	1882	2023	2144	2245	2327	2386	2419	2445	2471
0	3.17	19.5	136	336	601	867	1115	1342	1545	1733	1900	2042	2166	2274	2362	2429	2481	2512	2524
5	3.17	19.2	134	333	596	862	1109	1335	1538	1724	1890	2033	2157	2261	2348	2414	2460	2482	2477
10	3.17	18.4	129	326	582	847	1090	1315	1517	1701	1864	2006	2129	2232	2317	2383	2427	2451	2453
15	3.17	17.3	123	313	559	822	1060	1281	1481	1662	1823	1963	2084	2185	2269	2335	2380	2404	2410
20	3.17	15.8	114	295	528	786	1018	1234	1431	1608	1766	1903	2022	2125	2207	2271	2315	2339	2346
25	3.17	14.0	103	272	491	740	964	1174	1366	1538	1693	1827	1945	2045	2127	2189	2233	2257	2264
30	3.17	12.4	92.6	245	447	686	900	1102	1288	1454	1605	1737	1851	1949	2029	2089	2132	2157	2163
35	3.17	10.8	77.7	215	397	620	825	1015	1194	1354	1500	1629	1740	1833	1910	1970	2011	2036	2043
40	3.17	9.12	63.8	183	345	544	739	921	1086	1242	1381	1504	1611	1701	1775	1830	1871	1895	1904
45	3.17	7.43	48.7	147	287	463	646	812	968	1114	1245	1361	1463	1549	1619	1673	1711	1734	1743
50	3.17	6.54	35.8	112	227	374	542	694	838	972	1093	1202	1296	1378	1443	1493	1529	1551	1558
55	3.17	5.75	25.3	83.0	170	286	425	571	696	817	929	1026	1113	1188	1247	1293	1327	1348	1355
60	3.17	5.00	16.2	53.7	115	201	307	429	550	652	747	837	915	981	1033	1074	1104	1123	1130
65	3.17	4.43	10.3	30.0	71.0	125	195	284	381	480	565	635	698	755	803	838	863	879	884
70	3.17	3.96	6.43	15.1	33.9	66.2	105	155	221	289	354	419	479	525	559	587	608	620	624
75	3.17	3.57	4.79	7.52	13.1	23.3	40.5	62.8	90.3	126	166	209	248	278	299	318	332	340	341
80	3.17	3.27	3.81	4.44	5.40	7.20	8.63	12.7	18.3	24.5	29.3	36.2	45.9	56.8	65.7	71.8	75.0	75.0	72.3
85	3.17	3.11	3.23	3.38	3.47	3.46	3.35	3.52	3.71	3.86	4.03	4.14	4.28	4.58	4.88	5.06	5.13	5.09	4.96
90	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.14	3.12	3.09	3.06	3.03	3.01	2.99	2.98	2.96	2.95	2.94	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/WH	TYPE: 98Vega100Slim/WH	WEIGHT: 1.530
SPEC.:	DIM.: 0.3 x 0.19 x 0.132	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	3.47	3.47	3.47	3.47	3.47	3.47	3.49	3.52	3.54	3.57	3.59	3.62	3.60	3.59	3.57	3.56	3.54	3.53	
-85	4.15	4.20	4.19	4.10	3.92	3.80	4.07	4.21	4.17	4.05	3.86	3.72	3.94	4.02	3.96	3.77	3.53	3.53	
-80	50.0	50.4	48.4	44.6	38.8	29.8	30.1	29.8	26.4	19.7	13.7	9.90	8.18	6.13	5.13	4.50	3.83	3.53	
-75	306	301	290	269	247	219	191	162	135	110	80.7	50.8	27.2	15.7	8.74	5.59	4.25	3.53	
-70	597	587	568	542	509	471	426	363	297	242	194	144	84.2	40.8	18.3	7.54	4.71	3.53	
-65	852	840	816	783	740	687	630	563	492	410	315	236	163	87.5	35.8	12.3	5.24	3.53	
-60	1099	1085	1057	1019	969	908	836	755	664	566	463	344	237	148	62.6	19.9	5.89	3.53	
-55	1329	1312	1283	1239	1182	1114	1035	941	835	719	596	463	318	204	98.7	30.0	6.78	3.53	
-50	1535	1518	1487	1441	1379	1306	1218	1114	998	868	725	573	413	259	139	43.3	7.74	3.53	
-45	1720	1702	1668	1620	1558	1479	1384	1274	1147	1005	846	678	502	317	176	58.1	8.84	3.53	
-40	1883	1865	1830	1778	1713	1632	1533	1416	1282	1128	959	774	583	378	209	73.7	10.9	3.53	
-35	2028	2008	1972	1920	1852	1767	1663	1541	1401	1239	1059	862	656	438	241	91.3	12.9	3.53	
-30	2151	2131	2093	2041	1972	1884	1778	1651	1502	1334	1146	941	721	493	271	106	15.2	3.53	
-25	2255	2236	2199	2145	2074	1984	1875	1742	1588	1415	1221	1008	778	539	298	120	17.3	3.53	
-20	2339	2321	2286	2232	2158	2066	1953	1817	1660	1482	1282	1063	824	578	320	134	19.6	3.53	
-15	2405	2390	2355	2300	2225	2129	2013	1876	1715	1534	1330	1106	861	608	339	145	21.5	3.53	
-10	2455	2442	2408	2351	2273	2175	2058	1920	1757	1571	1366	1137	889	630	353	153	22.9	3.53	
-5	2491	2478	2440	2382	2304	2205	2086	1946	1783	1595	1387	1157	906	643	361	158	23.9	3.53	
0	2518	2497	2456	2397	2318	2218	2099	1958	1793	1604	1395	1164	912	648	363	160	24.3	3.53	
5	2457	2440	2415	2364	2291	2195	2079	1940	1778	1592	1385	1156	905	643	359	157	23.9	3.53	
10	2439	2412	2369	2317	2248	2156	2043	1908	1748	1566	1361	1135	888	630	349	151	22.9	3.53	
15	2399	2373	2329	2268	2191	2102	1992	1860	1703	1526	1324	1102	860	608	333	143	21.5	3.53	
20	2338	2315	2271	2209	2131	2035	1926	1797	1646	1472	1275	1058	823	577	313	132	19.6	3.53	
25	2257	2234	2193	2132	2055	1960	1847	1719	1573	1403	1213	1003	776	536	288	118	17.3	3.53	
30	2158	2135	2095	2036	1960	1867	1757	1629	1485	1321	1138	936	719	485	259	104	15.2	3.53	
35	2037	2015	1976	1920	1847	1757	1650	1526	1382	1226	1050	859	655	426	227	89.9	12.9	3.53	
40	1898	1876	1838	1786	1715	1629	1527	1406	1269	1116	951	771	582	361	195	73.0	10.9	3.53	
45	1736	1717	1681	1631	1565	1483	1385	1270	1140	995	842	676	490	296	165	57.8	8.83	3.53	
50	1554	1536	1503	1457	1396	1318	1226	1117	997	866	721	571	389	234	130	43.5	7.72	3.53	
55	1352	1335	1305	1262	1206	1133	1047	951	842	721	596	439	289	181	93.8	30.2	6.75	3.53	
60	1127	1111	1084	1046	997	933	857	769	675	571	437	306	202	133	61.7	19.9	5.83	3.53	
65	882	870	848	814	771	716	653	582	491	387	279	192	141	82.1	36.2	12.4	5.16	3.53	
70	623	612	594	569	539	495	433	362	290	217	160	121	77.1	40.7	18.3	7.51	4.63	3.53	
75	341	335	324	306	285	253	212	170	134	102	73.1	48.9	27.9	15.7	8.74	5.46	4.16	3.53	
80	75.6	76.2	73.7	67.9	58.6	47.7	39.0	32.8	27.6	21.2	14.5	9.89	8.23	6.07	4.94	4.32	3.74	3.53	
85	5.10	5.15	5.09	4.92	4.62	4.32	4.28	4.20	4.01	3.82	3.55	3.29	3.53	3.66	3.68	3.58	3.43	3.53	
90	2.92	2.92	2.92	2.91	2.91	2.91	2.92	2.94	2.96	2.98	3.00	3.01	3.10	3.18	3.27	3.36	3.44	3.53	

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: