

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	511.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	2.5 degrees horizontal

Beam Spread	At 10% of Imax	151.2V x 151.3H
	At 50% of Imax	114.9V x 115.3H
	At 90% of Imax	52.1V x 54.2H

Beam Flux	Total	1423.9 lumens per klm.
	To 10% of Imax	1400.2 lumens per klm.
	To 50% of Imax	1132.1 lumens per klm.
	To 90% of Imax	342.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	142.4 %

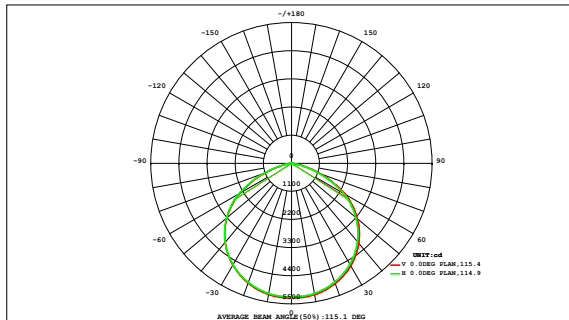
Luminaire Efficiency (Light Output Ratio)	142.4 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 12 October 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
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: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	99GENEVA100SMD	Imax (cd)	5265
NOMINAL POWER (W)	100	AVAILABILITY (%)	140.4
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	14458
NOMINAL FLUX (lm)	10300	LOR (%)	142.4
LAMPS INSIDE	1	TOTAL FLUX (lm)	14664
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,115DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.02	0.06	0.13	0.27	0.53	0.85	1.05	1.32	1.44	1.40	1.20	0.92	0.59	0.36	0.20	0.10	0.05	0.02	10.5	0.00
90	0.02	0.06	0.13	0.27	0.53	0.85	1.05	1.32	1.44	1.40	1.20	0.92	0.59	0.36	0.20	0.10	0.05	0.02	10.5	0.00
80	0.02	0.16	0.86	2.69	5.77	9.89	14.0	17.3	19.1	18.9	16.8	13.3	9.02	5.03	2.03	0.52	0.11	0.02	135	81.4
70	0.03	0.55	3.20	9.70	19.4	30.5	41.0	49.0	53.3	53.1	48.3	39.9	29.1	18.0	8.55	2.68	0.33	0.02	407	391
60	0.05	1.33	7.27	19.4	36.0	53.7	69.6	80.9	86.7	86.5	80.2	68.5	52.3	34.5	18.0	6.32	0.95	0.04	702	695
50	0.09	2.33	11.9	29.4	51.6	73.3	91.5	105	112	111	104	90.3	71.8	50.0	27.8	10.7	1.82	0.05	944	939
40	0.13	3.42	16.2	38.1	63.4	87.5	108	123	131	130	122	107	86.0	61.9	36.5	15.0	2.84	0.07	1132	1129
30	0.17	4.41	19.7	44.7	71.8	98.0	120	136	144	144	135	119	96.4	70.2	43.0	18.4	3.77	0.10	1270	1267
20	0.20	5.15	22.2	48.8	77.4	105	128	145	153	153	144	127	103	75.6	47.2	20.9	4.46	0.13	1360	1357
10	0.21	5.55	23.5	50.9	80.2	108	132	149	158	157	148	131	107	78.7	49.4	22.2	4.83	0.14	1406	1404
0	0.20	5.54	23.5	50.7	79.8	108	131	148	157	158	149	132	107	79.0	49.5	22.2	4.83	0.14	1405	1403
-10	0.18	5.12	22.1	48.3	76.5	104	127	144	153	153	144	127	104	76.0	47.4	20.9	4.45	0.13	1356	1354
-20	0.15	4.36	19.5	44.1	70.9	96.9	119	135	144	144	135	119	96.5	70.2	43.0	18.4	3.74	0.10	1264	1261
-30	0.11	3.34	15.9	37.6	62.6	86.4	107	122	130	130	122	107	85.8	61.7	36.3	14.8	2.80	0.07	1123	1120
-40	0.08	2.20	11.6	29.0	50.9	72.1	90.2	103	110	110	103	89.5	71.3	49.5	27.5	10.5	1.75	0.05	933	928
-50	0.05	1.15	7.01	19.0	35.3	52.9	68.4	79.6	85.3	85.1	79.0	67.3	51.5	33.7	17.6	6.04	0.84	0.04	690	682
-60	0.03	0.43	2.96	9.25	18.7	29.6	39.8	47.8	51.9	51.6	46.9	38.6	28.1	17.1	8.03	2.30	0.29	0.02	394	378
-70	0.02	0.15	0.65	2.21	5.24	9.17	13.0	16.1	17.6	17.4	15.3	11.9	7.95	4.24	1.66	0.45	0.10	0.02	123	68.3
-80	0.02	0.06	0.13	0.24	0.39	0.58	0.84	1.06	1.10	1.07	0.92	0.69	0.47	0.30	0.18	0.10	0.05	0.02	8.24	0.00
-90	0.02	0.06	0.13	0.24	0.39	0.58	0.84	1.06	1.10	1.07	0.92	0.69	0.47	0.30	0.18	0.10	0.05	0.02	8.24	0.00
HORIZONTAL (DEG)																				
Φ t	1.77	45.3	208	484	806	1126	1403	1604	1707	1704	1595	1388	1108	786	464	192	38.0	1.17	14664	---
Φ a	0.00	28.1	195	472	795	1114	1391	1592	1696	1693	1583	1377	1096	774	452	179	21.1	0.00	---	14458

one-half-peak spread: U:55.0,D:55.5 , L:55.8,R:55.0

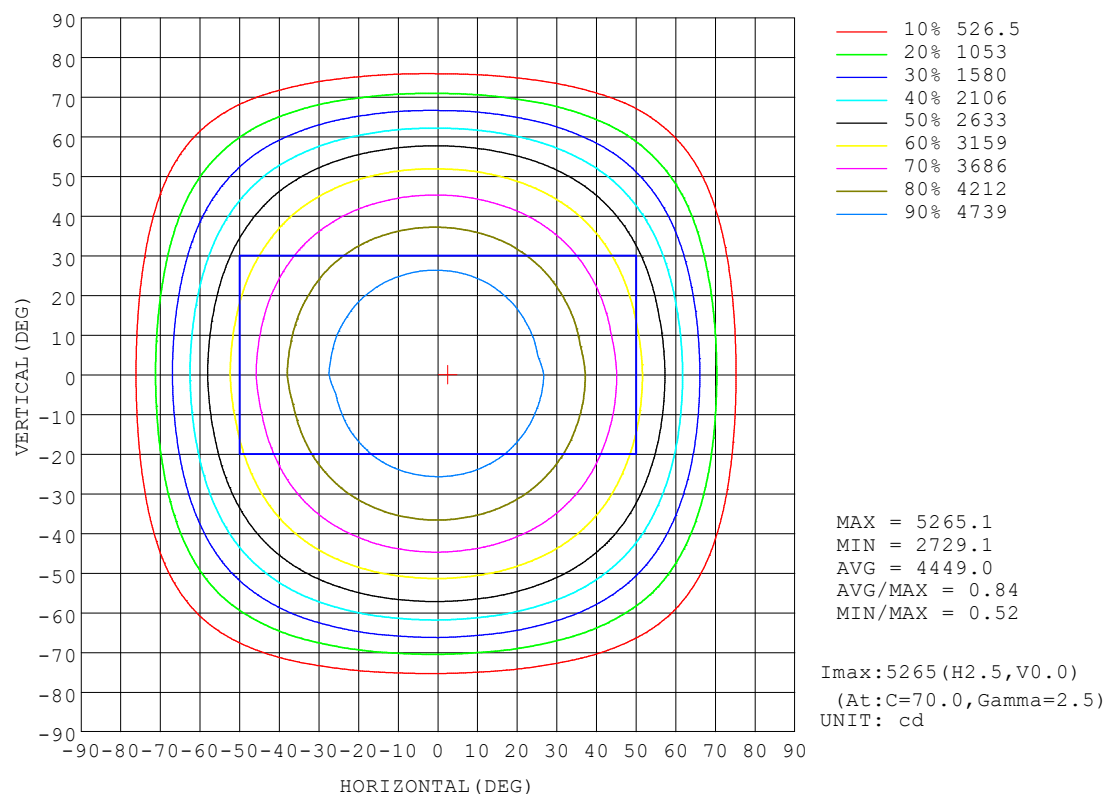
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:12 October 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

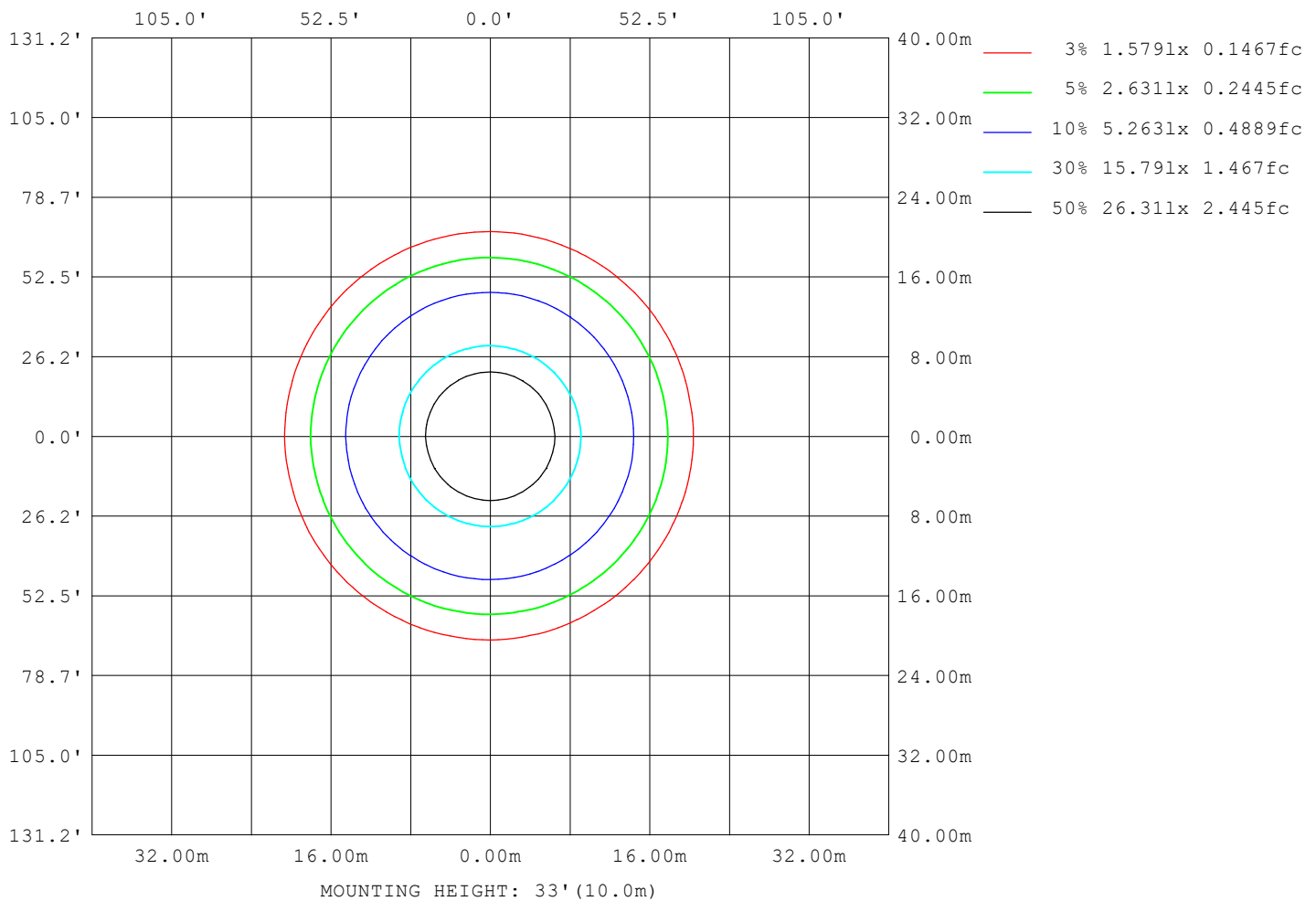


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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
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Remarks:

ISOLUX DIAGRAM

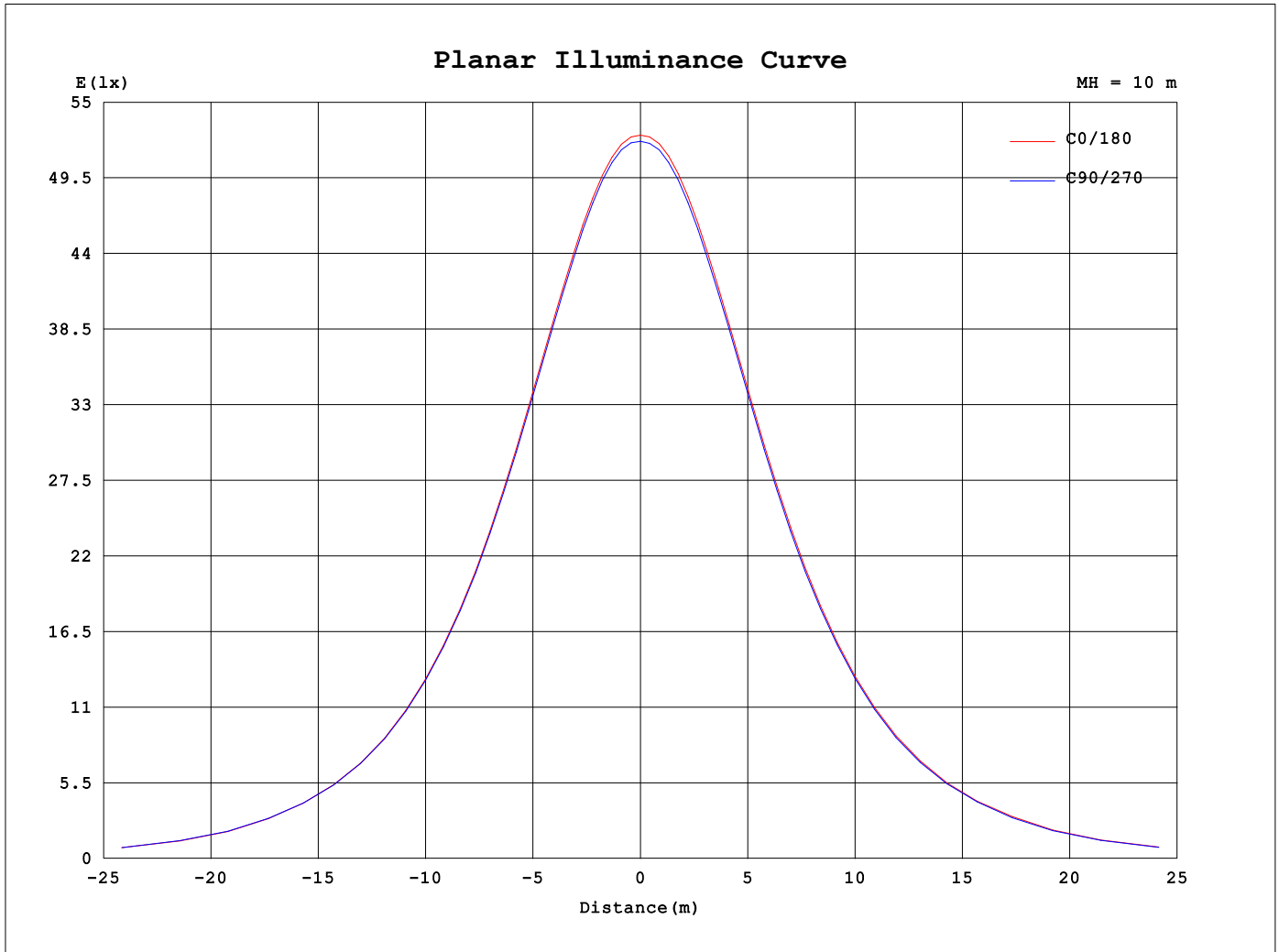
NAME: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



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Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

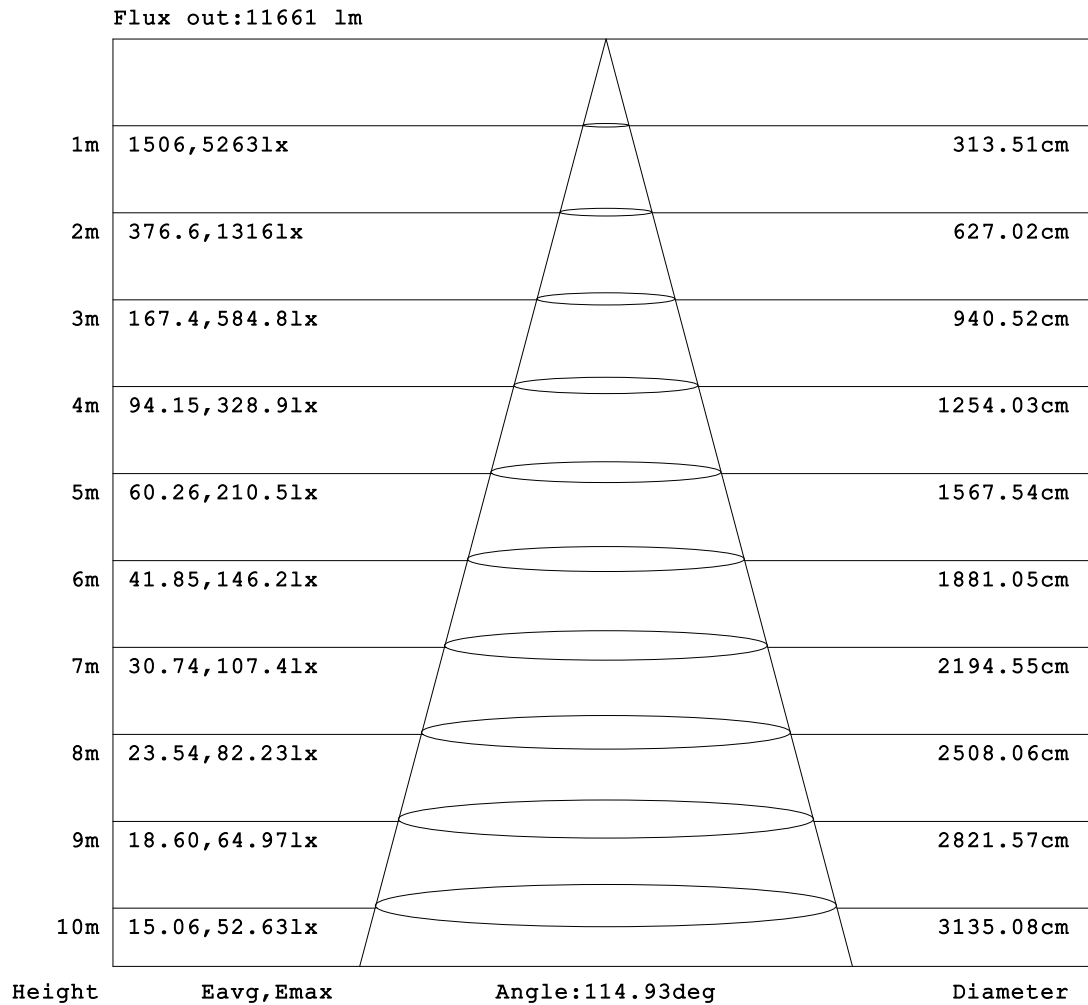


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 12 October 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 12 October 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 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: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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	5.60	6.09	6.59	6.61	6.62	6.63	6.64	6.66	6.67	6.69	6.70	6.72	6.73	6.75	6.76	6.78	6.79	6.81	6.82
-85	5.60	6.56	7.44	7.76	7.98	8.18	8.31	10.2	11.9	13.5	14.9	16.0	16.8	17.6	18.2	18.4	18.4	18.5	18.3
-80	5.60	7.02	8.28	9.31	14.1	18.7	23.0	33.0	41.6	49.3	62.8	88.5	102	129	160	158	146	150	152
-75	5.60	7.46	9.51	17.1	25.0	42.9	59.7	110	156	226	295	341	396	450	494	525	544	557	558
-70	5.60	7.90	14.7	25.5	50.4	102	179	281	385	508	622	730	822	911	989	1044	1081	1105	1112
-65	5.60	8.32	19.7	44.5	104	210	351	518	689	856	1024	1180	1329	1460	1559	1631	1680	1715	1729
-60	5.60	8.73	24.6	62.9	182	356	564	791	1015	1243	1477	1661	1827	1977	2110	2218	2292	2337	2350
-55	5.60	11.1	36.4	117	291	524	793	1076	1371	1638	1886	2127	2350	2503	2629	2723	2787	2827	2841
-50	5.60	13.3	47.8	171	401	698	1024	1377	1701	2009	2322	2560	2752	2914	3047	3150	3220	3263	3278
-45	5.60	15.3	58.5	235	526	872	1257	1651	2017	2392	2664	2902	3108	3282	3421	3532	3607	3653	3669
-40	5.60	17.2	73.6	304	643	1044	1491	1901	2333	2670	2955	3206	3424	3604	3749	3868	3947	3994	4010
-35	5.60	18.9	102	366	760	1205	1680	2143	2574	2913	3212	3475	3700	3888	4039	4158	4240	4289	4308
-30	5.60	20.4	127	431	864	1363	1855	2373	2771	3123	3433	3705	3935	4129	4286	4405	4490	4540	4559
-25	5.60	21.7	148	492	959	1501	2012	2534	2938	3300	3619	3898	4132	4331	4491	4613	4699	4748	4767
-20	5.60	22.7	166	543	1039	1603	2149	2663	3076	3444	3771	4053	4294	4494	4655	4782	4869	4920	4939
-15	5.60	23.6	181	583	1104	1686	2266	2762	3183	3559	3890	4174	4417	4621	4784	4908	4996	5050	5071
-10	5.60	24.2	191	613	1151	1748	2356	2843	3267	3643	3975	4262	4505	4709	4874	4999	5086	5140	5165
-5	5.60	24.6	198	632	1181	1788	2415	2898	3329	3712	4045	4330	4569	4765	4927	5052	5141	5192	5214
0	5.60	24.7	200	639	1193	1805	2441	2925	3361	3749	4090	4384	4632	4838	5002	5126	5215	5260	5263
5	5.60	24.6	199	633	1182	1792	2421	2909	3343	3729	4067	4360	4605	4809	4973	5094	5177	5216	5215
10	5.60	24.2	193	615	1154	1756	2369	2864	3295	3676	4012	4304	4550	4754	4914	5033	5115	5160	5168
15	5.60	23.6	184	586	1109	1698	2285	2792	3220	3598	3930	4220	4460	4658	4820	4941	5023	5068	5079
20	5.60	22.8	173	547	1046	1617	2171	2696	3116	3489	3813	4096	4333	4534	4693	4812	4896	4942	4954
25	5.60	21.7	158	497	966	1517	2035	2568	2979	3344	3661	3940	4176	4373	4527	4647	4728	4778	4791
30	5.60	20.4	142	437	873	1381	1881	2407	2810	3164	3474	3749	3980	4170	4324	4442	4522	4572	4582
35	5.60	18.9	124	374	771	1223	1709	2171	2609	2950	3253	3520	3744	3930	4082	4197	4275	4323	4332
40	5.60	17.2	104	312	655	1064	1522	1927	2360	2709	2999	3252	3466	3649	3797	3906	3985	4032	4043
45	5.60	15.2	87.1	245	539	894	1283	1676	2038	2423	2711	2948	3154	3330	3469	3574	3649	3695	3707
50	5.60	13.2	69.1	187	416	720	1046	1398	1729	2039	2354	2601	2798	2964	3096	3196	3268	3308	3316
55	5.60	10.9	48.1	145	306	545	814	1093	1398	1677	1921	2153	2382	2548	2679	2771	2841	2879	2886
60	5.60	8.54	24.8	98.9	197	375	588	812	1044	1280	1510	1695	1866	2016	2143	2252	2332	2377	2388
65	5.60	8.09	19.8	62.7	120	227	373	544	720	889	1056	1215	1372	1503	1597	1674	1730	1760	1766
70	5.60	7.61	14.5	27.4	60.4	125	198	305	415	539	651	764	866	955	1028	1089	1133	1155	1157
75	5.60	7.12	9.12	17.6	27.0	58.5	109	142	182	244	310	372	436	491	536	573	599	611	610
80	5.60	6.61	7.68	9.26	14.9	20.3	25.5	45.7	53.4	79.5	116	123	132	150	165	178	187	190	189
85	5.60	6.10	6.63	7.22	7.85	8.38	8.88	11.4	13.8	15.8	17.6	19.3	20.8	21.9	22.7	23.4	23.8	23.7	23.4
90	5.60	5.58	5.56	5.56	5.56	5.55	5.54	5.54	5.54	5.54	5.54	5.55	5.56	5.56	5.57	5.58	5.59	5.60	5.61

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:12 October 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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: 99GENEVA100SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	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	6.84	6.85	6.86	6.87	6.88	6.89	6.90	6.91	6.91	6.91	6.92	6.93	6.93	6.93	6.94	6.94	6.94	6.93	
-85	17.8	17.2	16.6	15.9	15.0	13.9	13.0	11.9	10.6	9.27	7.92	6.46	6.55	6.64	6.75	6.84	6.90	6.93	
-80	146	137	128	116	102	84.6	66.2	45.6	35.8	29.7	23.4	16.7	13.5	10.2	6.90	6.75	6.86	6.93	
-75	548	528	500	461	410	351	292	235	172	118	79.2	39.6	28.8	17.6	12.2	6.99	6.83	6.93	
-70	1095	1061	1017	954	867	771	672	558	443	323	225	129	71.0	33.1	17.8	10.5	6.80	6.93	
-65	1707	1663	1605	1521	1410	1273	1119	958	782	613	446	288	155	71.3	29.2	14.0	6.76	6.93	
-60	2326	2270	2188	2071	1929	1776	1604	1403	1169	939	710	487	289	130	40.2	17.3	6.74	6.93	
-55	2823	2776	2705	2604	2465	2297	2064	1822	1565	1288	998	709	447	229	81.3	24.2	8.31	6.93	
-50	3258	3211	3135	3026	2886	2719	2514	2254	1934	1623	1290	941	613	331	122	30.8	9.81	6.93	
-45	3647	3597	3517	3402	3258	3081	2868	2620	2320	1936	1566	1172	784	448	177	36.9	11.2	6.93	
-40	3989	3939	3857	3737	3587	3401	3177	2918	2623	2255	1821	1396	958	559	240	47.0	12.5	6.93	
-35	4287	4234	4150	4030	3874	3679	3448	3181	2874	2516	2061	1598	1119	673	297	68.4	13.6	6.93	
-30	4539	4488	4400	4278	4118	3918	3683	3407	3088	2724	2293	1778	1273	775	356	87.5	14.7	6.93	
-25	4749	4698	4611	4487	4324	4121	3881	3597	3269	2894	2470	1934	1407	868	413	104	15.5	6.93	
-20	4920	4868	4782	4656	4492	4290	4043	3752	3417	3038	2614	2071	1514	947	460	118	16.3	6.93	
-15	5052	5000	4912	4787	4622	4417	4169	3876	3537	3151	2718	2183	1598	1009	497	129	16.9	6.93	
-10	5148	5097	5012	4886	4716	4510	4260	3966	3624	3232	2792	2265	1659	1054	523	137	17.3	6.93	
-5	5210	5163	5075	4949	4781	4571	4318	4021	3676	3281	2837	2316	1696	1081	540	142	17.5	6.93	
0	5257	5203	5112	4980	4809	4595	4340	4039	3695	3299	2852	2334	1709	1090	545	144	17.6	6.93	
5	5191	5135	5044	4915	4745	4541	4294	4001	3661	3271	2830	2313	1694	1081	540	142	17.5	6.93	
10	5142	5084	4992	4863	4693	4484	4234	3938	3596	3212	2779	2259	1656	1054	525	138	17.3	6.93	
15	5055	4998	4904	4775	4603	4397	4153	3859	3519	3133	2701	2173	1594	1008	499	130	16.8	6.93	
20	4933	4875	4780	4650	4482	4274	4032	3744	3408	3029	2606	2060	1510	946	463	120	16.2	6.93	
25	4769	4711	4619	4488	4322	4118	3876	3593	3265	2895	2472	1930	1407	866	417	106	15.5	6.93	
30	4562	4504	4415	4287	4123	3924	3687	3408	3088	2729	2305	1784	1278	775	363	89.5	14.6	6.93	
35	4311	4256	4170	4049	3886	3692	3460	3187	2878	2528	2073	1613	1129	679	304	70.3	13.5	6.93	
40	4024	3967	3880	3763	3606	3416	3193	2932	2638	2273	1837	1422	972	569	248	48.5	12.4	6.93	
45	3687	3633	3546	3431	3285	3103	2889	2643	2347	1954	1587	1194	803	460	187	38.2	11.0	6.93	
50	3301	3252	3171	3062	2921	2749	2543	2288	1963	1648	1312	961	633	346	134	31.7	9.60	6.93	
55	2867	2821	2746	2645	2508	2335	2095	1855	1605	1320	1014	731	467	255	90.3	24.6	8.05	6.93	
60	2371	2319	2230	2112	1976	1818	1638	1443	1210	971	735	511	314	170	43.1	17.2	6.42	6.93	
65	1752	1714	1650	1565	1461	1322	1158	995	824	651	476	314	196	89.1	31.1	13.7	6.40	6.93	
70	1146	1117	1064	996	918	824	716	599	485	362	258	153	88.1	36.6	18.4	10.1	6.39	6.93	
75	603	585	553	511	460	400	335	272	220	169	99.6	46.1	32.5	18.9	12.3	6.30	6.39	6.93	
80	186	178	164	148	141	125	89.4	58.6	45.4	36.7	27.5	18.5	14.5	10.5	6.40	5.91	6.38	6.93	
85	23.0	22.4	21.4	20.1	18.9	17.5	15.7	13.9	12.2	10.3	8.34	6.34	6.19	6.06	5.94	5.86	6.38	6.93	
90	5.63	5.64	5.66	5.67	5.68	5.70	5.71	5.72	5.74	5.75	5.77	5.78	5.79	5.80	5.81	5.83	6.38	6.93	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:12 October 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: