

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	411.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.5 degrees horizontal

Beam Spread	At 10% of Imax	153.5V x 153.3H
	At 50% of Imax	115.9V x 116.3H
	At 90% of Imax	53.1V x 54.5H

Beam Flux	Total	1173.7 lumens per klm.
	To 10% of Imax	1157.1 lumens per klm.
	To 50% of Imax	930.4 lumens per klm.
	To 90% of Imax	276.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	117.4 %

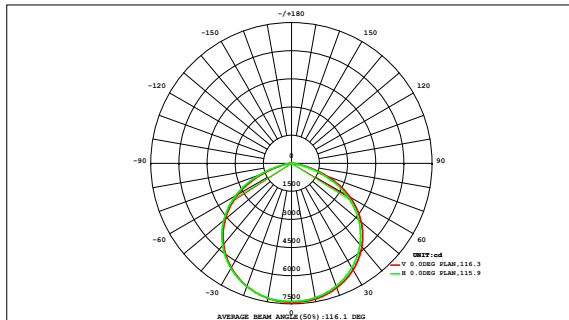
Luminaire Efficiency (Light Output Ratio)	117.3 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 13 October 2022

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: 99GENEVA150SMD	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	99GENEVA150SMD	Imax (cd)	7400
NOMINAL POWER (W)	150	AVAILABILITY (%)	115.8
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	20835
NOMINAL FLUX (lm)	18000	LOR (%)	117.3
LAMPS INSIDE	1	TOTAL FLUX (lm)	21122
TEST VOLTAGE (V)	230	θ @50% (H,V)	116,116DEG

90 80 70 60 50 40 30 -30 -40 -50 -60 -70 -80 -90	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	0.03	0.11	0.25	0.51	1.01	1.72	2.46	2.90	3.03	2.63	2.16	1.53	0.92	0.47	0.24	0.13	0.07	0.03	20.2	0.00		
0.04	0.46	1.91	5.42	11.3	18.2	25.0	29.8	32.0	31.0	26.9	20.9	13.9	7.51	3.17	0.88	0.13	0.03	228	157			
0.10	1.44	6.60	17.7	33.2	49.9	65.0	75.9	81.2	80.1	72.6	60.0	43.7	27.0	12.8	3.81	0.55	0.03	632	612			
0.17	2.80	13.4	32.6	57.1	81.2	102	117	124	123	114	97.6	75.5	50.5	26.6	9.38	1.49	0.05	1030	1020			
0.24	4.60	20.5	46.7	76.8	106	132	150	159	158	147	127	101	70.9	40.4	15.8	2.78	0.10	1358	1352			
0.32	6.48	26.8	57.9	92.2	126	154	175	185	184	172	150	121	86.5	52.0	21.8	4.23	0.17	1616	1611			
0.41	8.11	31.8	66.0	104	140	171	193	204	203	190	167	135	98.1	60.4	26.6	5.59	0.22	1805	1801			
0.48	9.28	35.1	71.3	111	150	182	205	216	215	202	178	144	106	65.8	30.1	6.65	0.26	1929	1925			
0.52	9.89	36.8	74.0	115	154	187	211	222	221	208	183	149	110	69.0	32.0	7.24	0.28	1991	1989			
0.52	9.89	36.8	73.9	115	154	186	210	221	222	209	184	150	110	69.2	32.1	7.26	0.28	1991	1988			
0.48	9.29	35.0	70.9	110	148	181	204	215	215	202	178	145	106	66.4	30.4	6.72	0.25	1925	1922			
0.41	8.14	31.7	65.3	103	139	169	192	203	202	190	167	135	98.3	60.6	26.9	5.70	0.20	1797	1793			
0.31	6.52	26.6	57.1	91.2	124	153	173	183	183	171	150	120	86.5	51.9	21.8	4.32	0.14	1604	1599			
0.22	4.62	20.2	46.1	75.6	105	130	148	157	156	145	126	100	70.4	40.2	15.7	2.79	0.09	1342	1336			
0.13	2.77	13.1	32.0	55.7	79.6	99.8	115	122	121	112	96.0	74.5	49.5	26.3	9.23	1.43	0.05	1010	1001			
0.08	1.30	6.42	17.2	32.0	48.2	62.8	73.5	78.6	77.6	70.6	58.1	42.5	26.2	12.5	3.87	0.59	0.03	612	592			
0.04	0.50	2.04	5.32	10.8	17.2	23.4	27.8	29.7	28.8	25.1	19.5	13.1	7.29	3.08	0.91	0.16	0.03	215	137			
0.03	0.12	0.32	0.55	1.04	1.61	2.15	2.53	2.44	2.27	1.88	1.36	0.86	0.56	0.29	0.16	0.08	0.03	18.3	0.00			
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)						20	30	40	50	60	70	80	90	
Φ t	4.54	86.3	345	740	1195	1643	2028	2303	2440	2426	2263	1966	1566	1112	661	282	57.8	2.27	21122	---		
Φ a	0.00	62.6	327	724	1179	1627	2012	2287	2423	2411	2247	1950	1550	1095	644	263	33.6	0.00	---	20835		

one-half-peak spread: U:58.0,D:56.0 , L:57.0,R:54.9

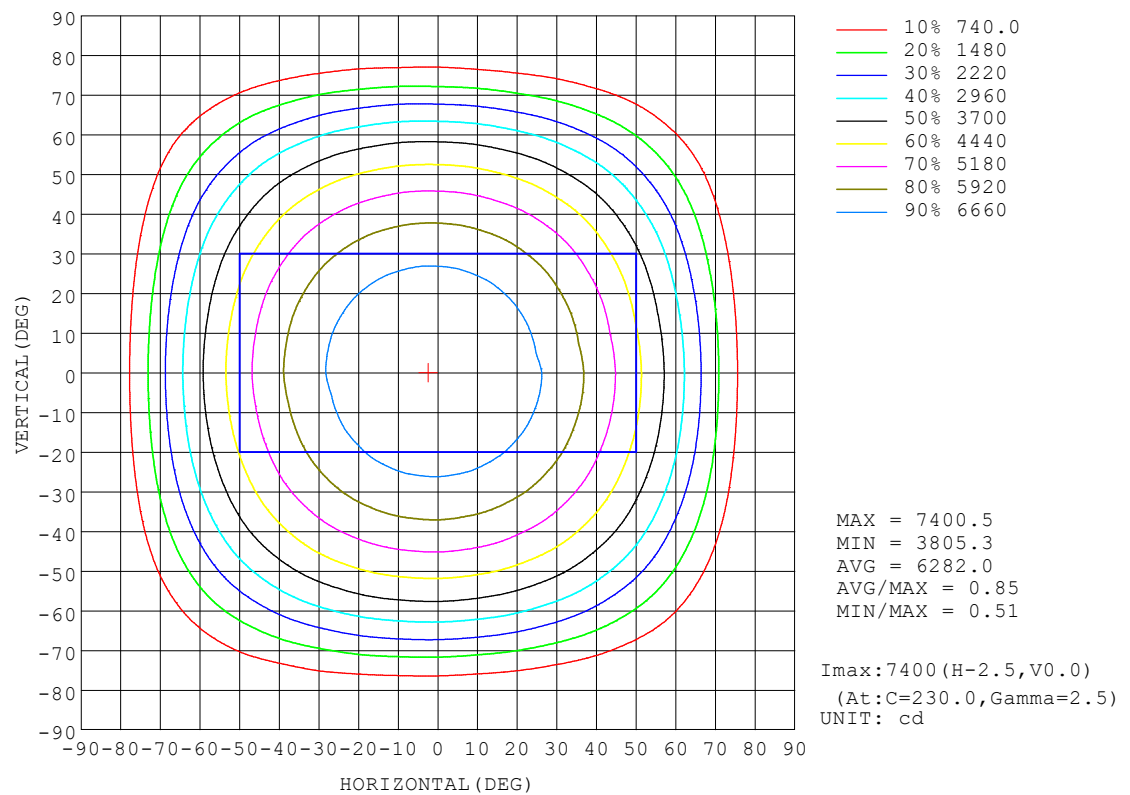
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:13 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: 99GENEVA150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

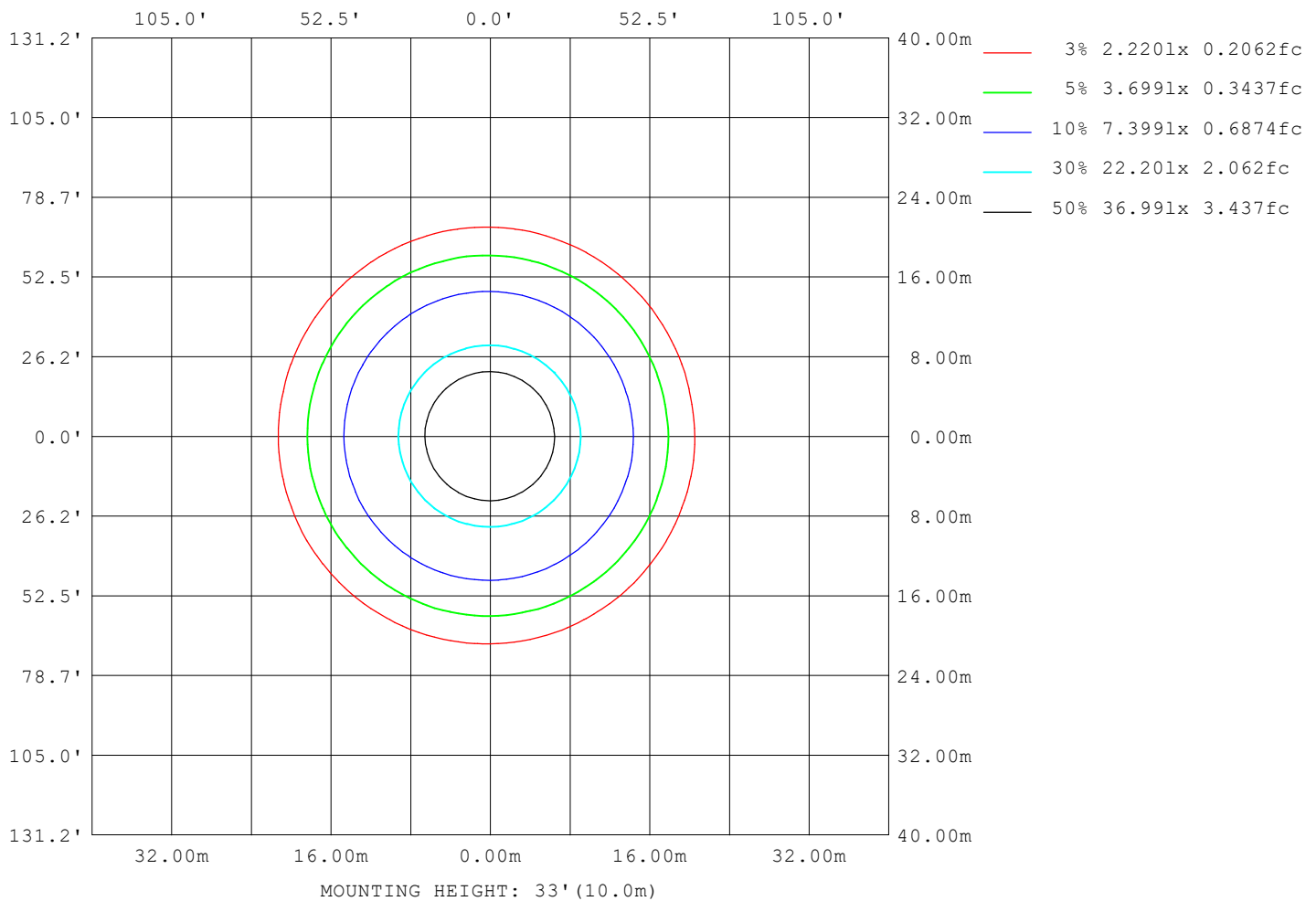


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:13 October 2022

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:

ISOLUX DIAGRAM

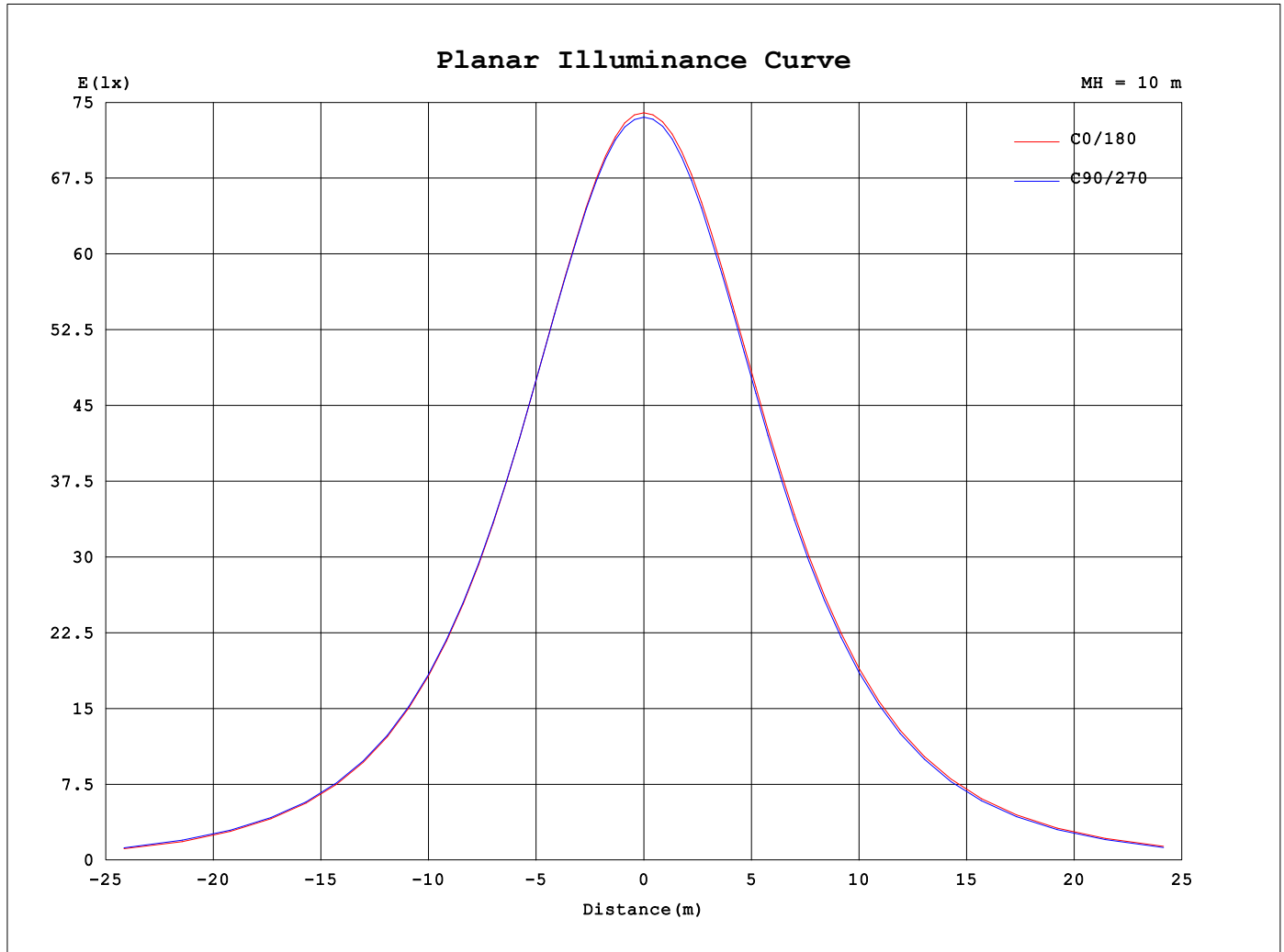
NAME: 99GENEVA150SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F270 x 105	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

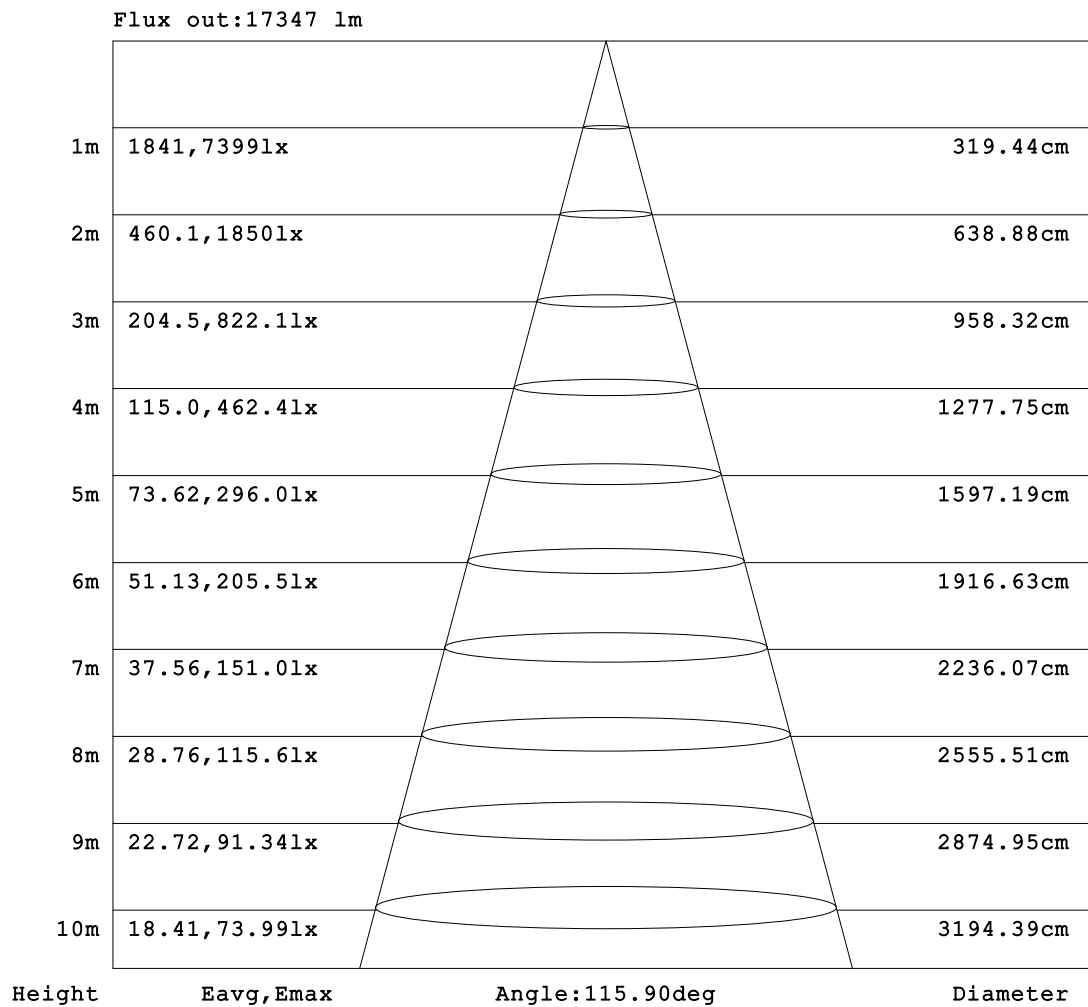


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 13 October 2022

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: 99GENEVA150SMD	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: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 13 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: 99GENEVA150SMD	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	8.47	9.22	9.96	9.96	9.97	9.98	10.00	10.0	10.1	10.1	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.5	10.6
-85	8.47	10.8	13.2	14.6	15.9	16.9	17.8	22.5	26.2	29.3	31.7	32.4	32.1	32.5	32.3	31.6	30.4	29.8	29.0
-80	8.47	12.4	16.4	21.1	51.3	64.4	59.7	93.2	123	169	225	238	251	287	311	313	312	313	308
-75	8.47	14.0	20.7	54.8	110	146	195	283	365	467	569	664	759	824	879	918	939	953	951
-70	8.47	15.5	36.0	88.0	173	276	413	588	771	939	1104	1271	1410	1533	1635	1699	1737	1765	1768
-65	8.47	17.0	50.8	147	281	470	707	969	1224	1484	1721	1930	2114	2279	2423	2526	2592	2633	2640
-60	8.47	18.4	64.9	207	426	710	1045	1400	1724	2034	2341	2613	2833	3008	3155	3262	3327	3369	3379
-55	8.47	24.9	107	309	607	981	1409	1822	2225	2597	2927	3207	3438	3629	3798	3920	3996	4043	4056
-50	8.47	31.1	148	409	790	1261	1753	2248	2703	3088	3427	3733	3989	4201	4379	4514	4598	4649	4664
-45	8.47	36.8	186	521	992	1543	2085	2640	3111	3518	3882	4207	4488	4711	4894	5040	5132	5186	5203
-40	8.47	42.0	226	636	1183	1790	2419	2975	3467	3906	4287	4626	4921	5161	5351	5504	5603	5660	5676
-35	8.47	46.7	277	740	1371	2020	2693	3264	3781	4244	4644	4997	5300	5553	5751	5904	6011	6068	6088
-30	8.47	50.8	323	844	1538	2248	2930	3515	4052	4531	4954	5316	5622	5882	6090	6245	6358	6416	6434
-25	8.47	54.3	362	938	1675	2447	3126	3733	4282	4775	5209	5582	5895	6158	6374	6535	6649	6708	6729
-20	8.47	57.1	394	1016	1787	2593	3288	3916	4475	4973	5413	5796	6120	6385	6601	6768	6880	6944	6962
-15	8.47	59.3	420	1077	1875	2706	3415	4056	4626	5133	5577	5962	6289	6563	6776	6943	7058	7125	7145
-10	8.47	60.8	438	1121	1940	2790	3509	4160	4739	5247	5696	6081	6411	6686	6903	7070	7187	7250	7272
-5	8.47	61.7	449	1147	1979	2843	3570	4228	4813	5331	5784	6169	6496	6763	6980	7146	7258	7321	7344
0	8.47	61.8	453	1155	1993	2862	3595	4257	4847	5373	5833	6228	6562	6842	7060	7230	7344	7394	7399
5	8.47	63.6	449	1147	1979	2844	3575	4235	4824	5347	5805	6198	6536	6810	7032	7199	7308	7355	7348
10	8.47	64.6	437	1120	1939	2792	3518	4173	4760	5277	5735	6128	6466	6739	6954	7117	7227	7282	7286
15	8.47	64.7	418	1075	1874	2707	3428	4074	4658	5173	5626	6015	6343	6613	6829	6990	7101	7156	7165
20	8.47	63.8	392	1013	1785	2589	3306	3944	4518	5025	5467	5849	6171	6441	6657	6812	6922	6980	6989
25	8.47	61.9	358	933	1671	2443	3151	3772	4336	4827	5257	5632	5953	6220	6424	6587	6691	6754	6760
30	8.47	58.8	319	836	1533	2256	2961	3563	4102	4581	4999	5373	5685	5940	6146	6304	6404	6468	6476
35	8.47	54.7	272	731	1373	2039	2728	3311	3825	4288	4701	5062	5362	5608	5815	5965	6065	6126	6131
40	8.47	49.4	220	628	1192	1814	2456	3018	3507	3954	4351	4694	4982	5225	5425	5568	5666	5723	5727
45	8.47	43.0	186	515	1003	1571	2121	2675	3151	3576	3953	4274	4550	4788	4970	5106	5205	5257	5257
50	8.47	35.5	159	406	801	1296	1787	2274	2748	3152	3498	3797	4060	4283	4456	4583	4676	4724	4724
55	8.47	26.9	131	311	616	1013	1440	1850	2270	2667	2995	3269	3515	3721	3876	3994	4083	4125	4122
60	8.47	17.6	103	215	432	731	1072	1431	1776	2102	2406	2676	2914	3097	3234	3341	3422	3457	3453
65	8.47	16.1	77.9	158	308	475	722	996	1277	1549	1777	1990	2197	2363	2495	2606	2689	2721	2712
70	8.47	14.7	50.1	93.2	189	291	407	597	791	984	1155	1332	1490	1609	1698	1774	1827	1844	1833
75	8.47	13.2	20.3	54.7	67.8	139	177	289	386	486	600	703	798	884	947	990	1020	1026	1013
80	8.47	11.6	14.7	19.2	32.5	42.7	50.9	92.9	151	174	181	251	310	323	333	352	363	358	347
85	8.47	10.0	11.6	12.9	14.1	15.0	15.6	20.4	24.5	28.6	32.2	35.8	38.9	39.0	38.3	37.8	36.9	34.7	32.0
90	8.47	8.46	8.45	8.44	8.43	8.41	8.39	8.40	8.41	8.42	8.44	8.47	8.50	8.54	8.57	8.62	8.66	8.71	8.77

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:13 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: 99GENEVA150SMD	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	10.6	10.7	10.7	10.8	10.8	10.8	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	
-85	27.7	26.2	25.0	23.6	21.9	20.2	18.7	17.1	15.4	13.6	12.0	10.3	10.4	10.5	10.6	10.8	10.9	11.0	
-80	293	274	255	232	200	166	132	96.8	94.3	81.8	44.8	21.5	17.9	14.2	10.6	10.5	10.8	11.0	
-75	918	870	823	760	674	578	487	399	300	220	158	80.8	64.3	24.4	16.2	10.6	10.6	11.0	
-70	1733	1672	1595	1492	1357	1204	1048	872	697	520	374	229	149	88.9	23.6	14.3	10.5	11.0	
-65	2600	2525	2421	2279	2096	1910	1708	1467	1200	940	695	461	262	154	58.5	17.8	10.4	11.0	
-60	3341	3270	3175	3038	2855	2637	2373	2062	1753	1424	1080	749	455	224	89.3	21.2	10.3	11.0	
-55	4018	3943	3837	3688	3493	3270	3009	2678	2292	1902	1502	1072	682	365	149	39.6	11.9	11.0	
-50	4625	4548	4434	4274	4069	3832	3544	3210	2832	2374	1899	1413	925	513	209	58.9	13.4	11.0	
-45	5164	5086	4967	4796	4589	4338	4029	3670	3281	2833	2282	1738	1178	683	291	78.5	14.8	11.0	
-40	5636	5559	5437	5258	5043	4780	4458	4089	3676	3207	2651	2026	1436	846	383	102	16.1	11.0	
-35	6046	5968	5841	5664	5443	5166	4834	4457	4027	3530	2981	2313	1669	1015	464	135	17.3	11.0	
-30	6396	6321	6187	6011	5781	5494	5164	4774	4325	3811	3240	2576	1867	1165	550	163	18.4	11.0	
-25	6692	6612	6479	6301	6065	5778	5439	5037	4575	4050	3464	2812	2040	1302	630	186	19.3	11.0	
-20	6928	6849	6721	6536	6299	6012	5661	5250	4780	4250	3652	2994	2192	1419	697	204	20.0	11.0	
-15	7113	7034	6904	6722	6484	6187	5832	5421	4947	4407	3797	3121	2309	1510	750	218	20.6	11.0	
-10	7246	7168	7040	6856	6614	6315	5962	5545	5066	4518	3899	3211	2394	1576	788	227	21.0	11.0	
-5	7331	7260	7127	6941	6699	6399	6041	5620	5136	4582	3960	3266	2444	1615	810	233	21.3	11.0	
0	7384	7304	7167	6976	6731	6430	6068	5644	5161	4603	3979	3284	2460	1627	818	234	21.4	11.0	
5	7312	7221	7083	6892	6647	6354	6004	5590	5113	4562	3945	3255	2438	1610	807	232	21.2	11.0	
10	7244	7153	7015	6823	6583	6280	5921	5502	5019	4478	3870	3190	2381	1566	782	226	20.8	11.0	
15	7122	7034	6892	6704	6459	6162	5812	5397	4915	4369	3757	3090	2290	1496	741	217	20.3	11.0	
20	6950	6862	6721	6535	6293	5990	5642	5237	4765	4229	3626	2962	2166	1400	686	205	19.6	11.0	
25	6724	6632	6497	6308	6070	5777	5429	5025	4566	4040	3452	2795	2016	1280	618	190	18.8	11.0	
30	6440	6347	6215	6028	5791	5509	5167	4766	4318	3805	3243	2579	1853	1143	537	172	17.8	11.0	
35	6095	6006	5876	5694	5460	5185	4855	4465	4020	3528	2987	2330	1663	999	451	152	16.7	11.0	
40	5692	5604	5474	5302	5075	4800	4485	4114	3684	3208	2668	2045	1439	836	368	129	15.5	11.0	
45	5227	5143	5013	4846	4631	4365	4060	3707	3299	2839	2301	1753	1191	679	279	104	14.1	11.0	
50	4693	4615	4489	4330	4127	3869	3574	3246	2867	2403	1911	1428	943	512	206	77.5	12.7	11.0	
55	4093	4019	3896	3745	3557	3319	3043	2727	2348	1929	1513	1087	697	365	157	48.8	11.1	11.0	
60	3423	3354	3240	3099	2926	2704	2423	2107	1795	1454	1095	759	463	221	103	19.2	9.52	11.0	
65	2683	2613	2493	2342	2165	1973	1751	1505	1245	976	708	464	264	129	61.7	15.9	9.62	11.0	
70	1809	1757	1665	1551	1423	1271	1096	907	733	547	381	229	138	58.4	21.1	12.4	9.72	11.0	
75	994	956	890	810	728	630	521	420	319	224	163	120	57.4	19.8	13.9	8.94	9.84	11.0	
80	336	319	290	257	226	190	147	101	71.4	52.0	42.7	17.9	15.0	12.0	8.92	8.88	9.97	11.0	
85	30.4	28.5	26.6	24.5	22.7	20.7	18.0	15.4	13.5	11.8	10.2	8.71	8.80	8.91	9.03	9.18	10.1	11.0	
90	8.81	8.86	8.92	8.97	9.03	9.08	9.13	9.18	9.22	9.27	9.32	9.36	9.40	9.44	9.47	9.50	10.3	11.0	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:13 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: