

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	469.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.5 degrees horizontal

Beam Spread	At 10% of Imax	152.8V x 152.9H
	At 50% of Imax	115.8V x 116.3H
	At 90% of Imax	52.4V x 55.0H

Beam Flux	Total	1329.8 lumens per klm.
	To 10% of Imax	1311.1 lumens per klm.
	To 50% of Imax	1055.7 lumens per klm.
	To 90% of Imax	309.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	133.0 %

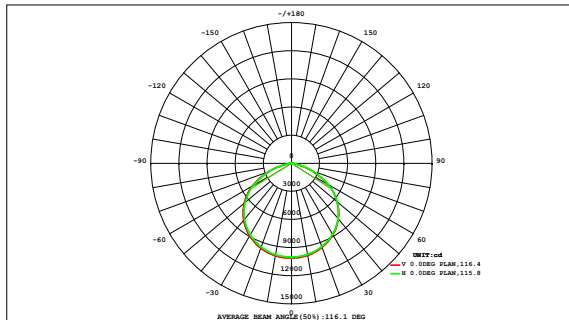
Luminaire Efficiency (Light Output Ratio)	133.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 13 October 2022

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: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	99GENEVA200SMD	Imax (cd)	10094
NOMINAL POWER (W)	200	AVAILABILITY (%)	131.0
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	28173
NOMINAL FLUX (lm)	21500	LOR (%)	133.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	28584
TEST VOLTAGE (V)	230	θ @50% (H,V)	116,116DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.10	0.21	0.44	0.93	1.68	2.55	3.37	3.93	3.90	3.92	3.29	2.48	1.62	0.89	0.42	0.14	0.04	30.0	0.00
90	0.03	0.10	0.21	0.44	0.93	1.68	2.55	3.37	3.93	3.90	3.92	3.29	2.48	1.62	0.89	0.42	0.14	0.04	30.0	0.00
80	0.04	0.25	1.53	4.99	11.3	19.6	28.4	36.0	40.7	41.5	38.3	31.8	23.1	14.2	7.03	2.51	0.57	0.06	302	199
70	0.05	0.97	5.97	18.2	36.9	58.8	80.1	96.4	106	107	99.1	84.1	63.9	42.0	22.1	8.15	1.68	0.13	831	804
60	0.08	2.22	13.2	36.3	67.9	102	133	156	169	169	158	137	107	73.3	41.3	16.6	3.42	0.24	1385	1371
50	0.13	4.12	21.8	54.7	96.7	139	175	201	216	216	203	178	143	102	59.7	25.7	5.66	0.35	1842	1833
40	0.20	6.13	29.8	70.7	120	167	207	236	251	252	237	208	169	124	75.6	33.9	8.00	0.45	2195	2188
30	0.27	7.92	36.3	83.2	136	186	230	261	277	277	261	231	188	139	87.5	40.3	10.1	0.56	2452	2447
20	0.33	9.27	40.8	91.2	146	200	245	277	294	293	276	245	201	149	95.1	45.0	11.6	0.64	2620	2615
10	0.36	9.99	43.2	95.3	152	206	252	286	302	300	284	253	208	155	99.8	47.8	12.5	0.69	2708	2704
0	0.36	9.97	43.1	94.8	151	204	250	282	300	302	287	255	210	156	100	48.0	12.5	0.69	2707	2703
-10	0.33	9.22	40.5	90.0	144	196	241	274	292	293	278	247	203	151	96.4	45.6	11.7	0.64	2613	2609
-20	0.27	7.83	35.9	81.6	133	183	226	258	275	276	261	231	190	140	88.2	40.9	10.2	0.55	2439	2434
-30	0.20	5.99	29.3	69.2	118	163	203	233	248	250	236	208	169	124	75.8	34.1	8.16	0.43	2176	2169
-40	0.13	4.00	21.1	53.5	94.4	136	172	198	212	213	201	176	142	102	59.7	25.6	5.75	0.31	1817	1808
-50	0.08	2.15	12.8	35.3	65.8	99.0	129	152	165	166	156	135	106	72.3	41.0	16.4	3.42	0.19	1357	1342
-60	0.05	0.83	5.55	17.2	35.1	56.5	76.6	92.7	102	103	96.0	81.4	62.2	40.7	21.6	7.97	1.60	0.11	801	773
-70	0.04	0.25	1.30	4.46	10.4	18.1	26.4	33.6	38.0	38.7	35.8	29.7	21.7	13.4	6.68	2.51	0.62	0.06	282	173
-80	0.04	0.12	0.24	0.44	0.93	1.58	2.33	3.04	3.52	3.68	3.47	2.91	2.00	1.52	0.89	0.41	0.16	0.04	27.3	0.00
-90	0.03	0.10	0.21	0.44	0.93	1.68	2.55	3.37	3.93	3.90	3.92	3.29	2.48	1.62	0.89	0.42	0.14	0.04	30.0	0.00
HORIZONTAL (DEG)																				
Φ t	2.99	81.3	383	901	1521	2139	2679	3078	3294	3305	3115	2737	2212	1601	980	442	108	6.19	28584	---
Φ a	0.00	47.4	356	877	1497	2115	2656	3055	3271	3283	3092	2714	2188	1577	956	416	73.7	0.00	---	28173

one-half-peak spread: U:55.4,D:55.9 , L:55.2,R:56.7

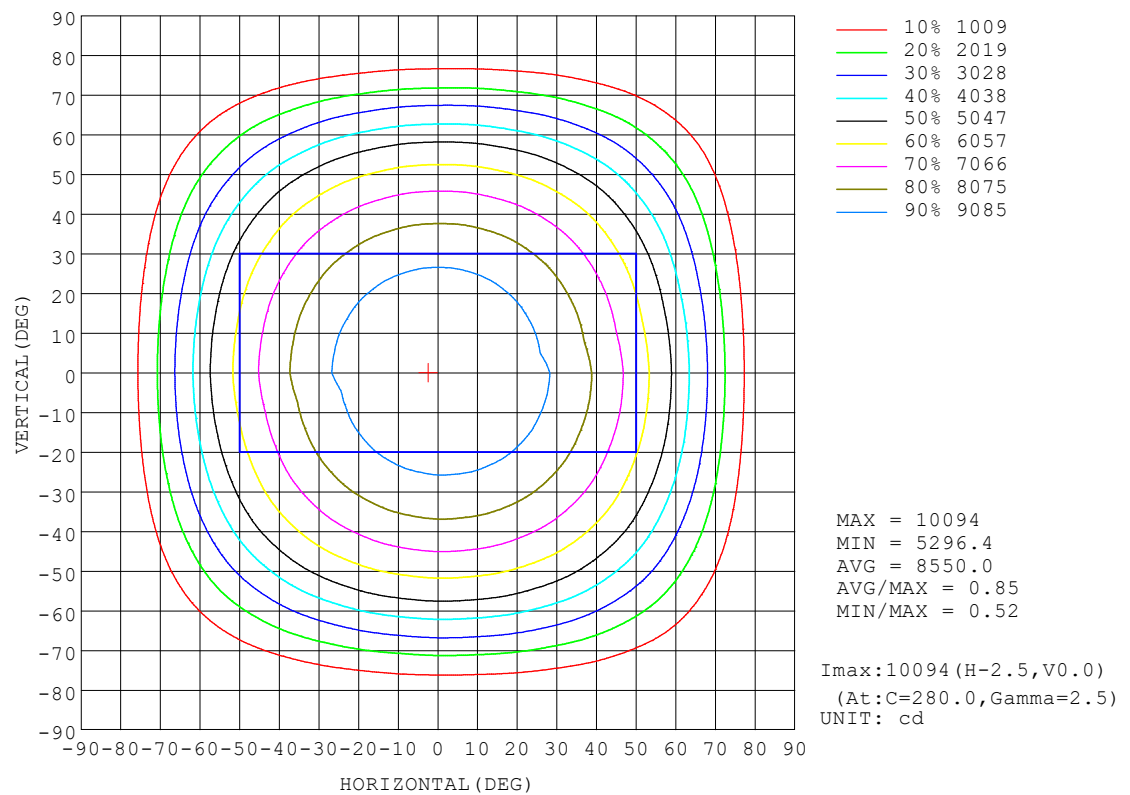
NEMA Beam Type: Type 7

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: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

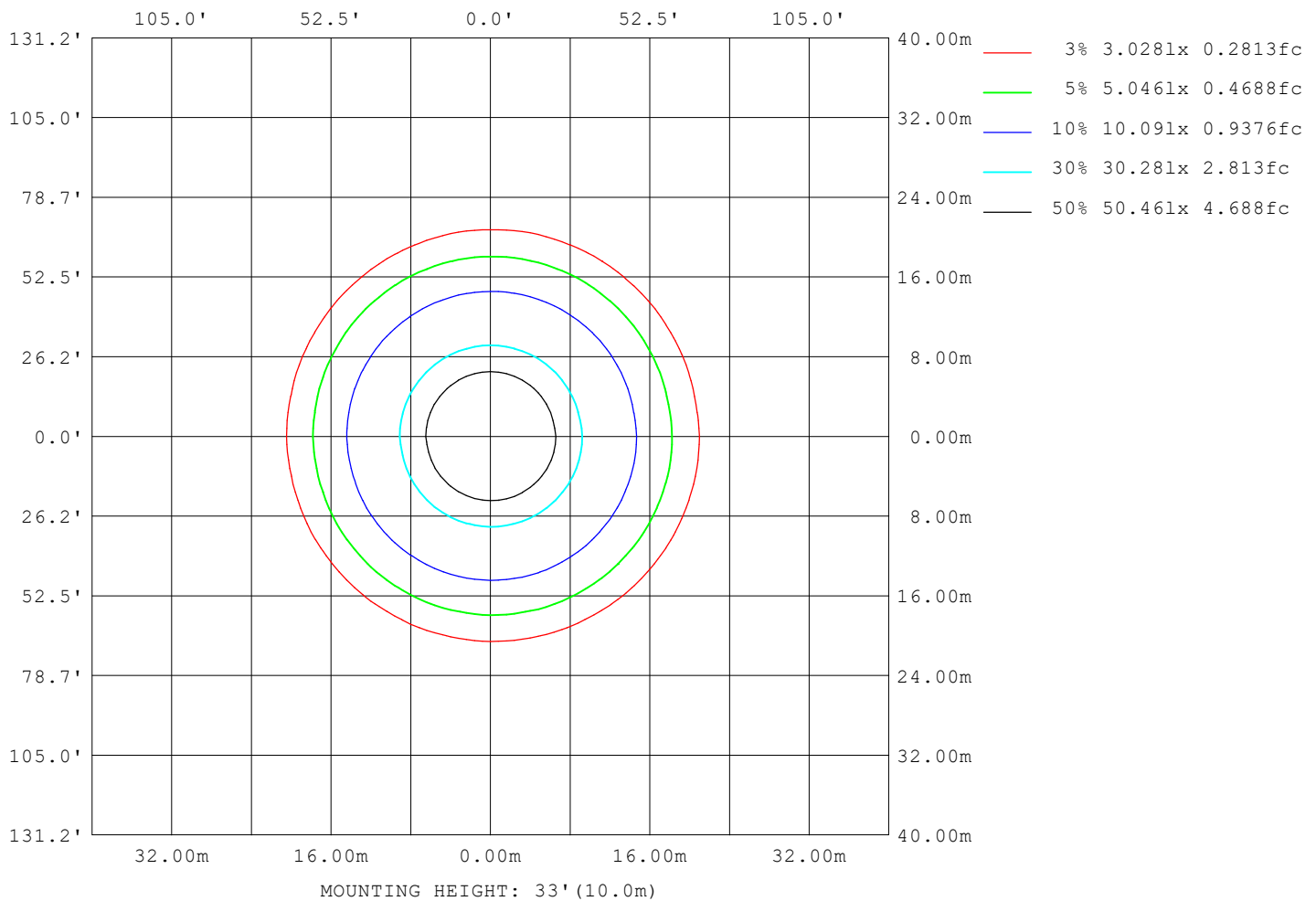


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C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
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γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

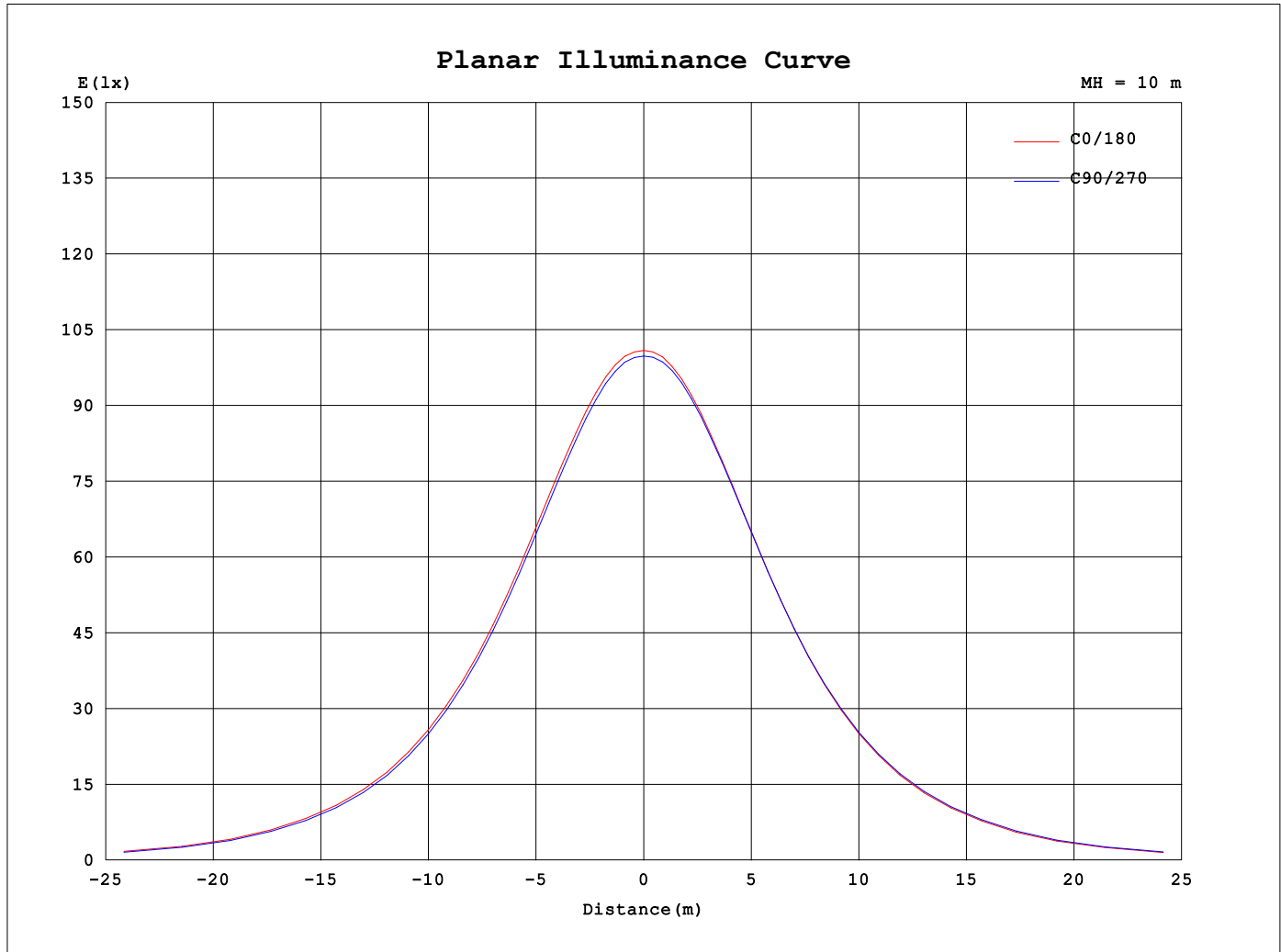
NAME: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



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Remarks:

Planar Illuminance Curve

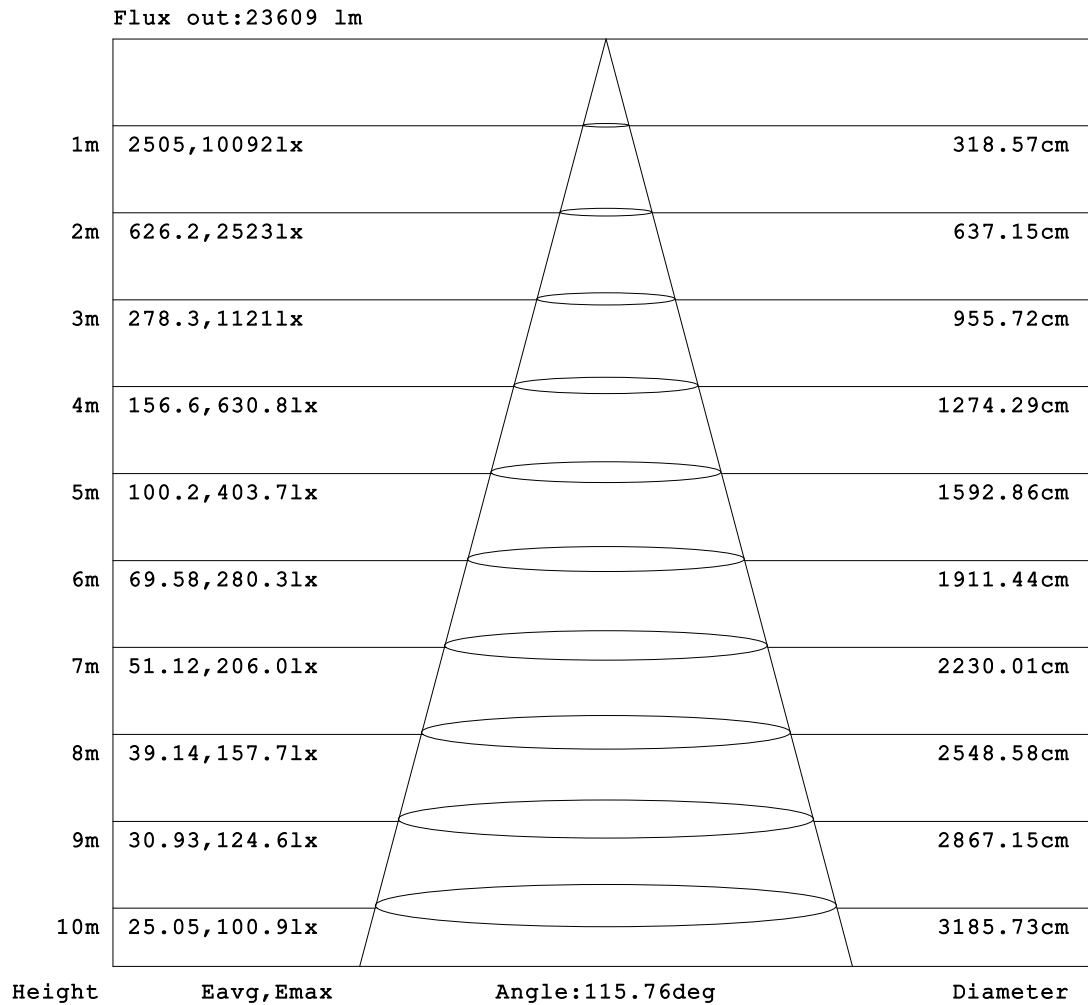


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 13 October 2022

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: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	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: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--1

UNIT: X10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	1.27	1.36	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.44	1.44	1.44	1.44	1.43	1.43	1.43	1.42	1.42
-85	1.27	1.37	1.47	1.48	1.48	1.50	1.52	1.86	2.20	2.54	2.87	3.16	3.44	3.73	4.00	4.21	4.39	4.59	4.75
-80	1.27	1.38	1.48	1.57	2.31	3.06	3.81	6.73	9.51	14.6	21.2	23.1	25.3	30.5	34.6	36.6	38.6	40.7	41.9
-75	1.27	1.38	1.56	2.71	4.04	8.73	13.6	22.7	31.6	43.8	55.9	68.6	82.4	92.3	101	110	116	121	124
-70	1.27	1.38	2.31	4.05	10.2	20.4	33.9	53.6	75.6	96.1	117	140	160	180	197	209	218	225	230
-65	1.27	1.39	3.02	8.59	20.2	39.0	65.3	95.4	127	161	195	225	254	280	301	317	328	337	342
-60	1.27	1.39	3.71	13.0	33.5	67.1	103	146	190	233	277	314	346	374	401	423	438	450	456
-55	1.27	1.71	6.43	22.3	53.8	95.3	145	200	255	306	353	397	438	472	502	522	537	547	552
-50	1.27	2.02	9.04	31.5	73.8	126	189	255	317	373	428	481	522	554	582	604	619	629	635
-45	1.27	2.30	11.5	42.6	94.6	159	232	306	373	438	500	549	590	624	653	676	692	703	708
-40	1.27	2.56	14.4	54.4	115	192	273	352	427	501	557	606	650	686	715	739	756	767	773
-35	1.27	2.80	19.2	65.1	138	222	310	393	478	548	606	657	702	740	769	794	811	822	828
-30	1.27	3.00	23.3	76.4	157	250	343	432	519	588	649	701	746	785	816	840	858	869	875
-25	1.27	3.17	26.9	87.2	175	275	370	468	550	621	684	738	784	823	855	879	897	909	914
-20	1.27	3.31	29.9	96.2	190	295	394	497	577	648	712	767	814	853	885	911	929	940	946
-15	1.27	3.42	32.3	103	202	311	414	517	598	670	734	789	837	877	909	934	952	964	970
-10	1.27	3.50	34.0	109	211	323	430	533	614	687	751	806	853	893	926	951	969	981	988
-5	1.27	3.54	35.0	112	217	331	440	544	627	701	766	820	866	904	936	960	978	990	997
0	1.27	3.55	35.3	113	219	334	444	549	634	710	776	833	882	922	955	980	998	1008	1009
5	1.27	3.53	35.0	112	217	331	441	546	631	706	772	828	877	917	949	974	991	999	998
10	1.27	3.48	34.0	109	212	324	432	538	621	696	762	818	867	907	939	962	979	988	990
15	1.27	3.40	32.3	104	203	313	418	524	607	681	747	803	850	889	921	945	961	971	973
20	1.27	3.28	29.9	97.3	191	297	399	506	588	660	724	779	826	865	897	921	938	947	950
25	1.27	3.13	26.9	89.2	176	277	376	477	562	633	695	749	796	835	865	890	906	916	920
30	1.27	2.95	23.3	79.7	159	253	349	442	530	599	660	714	759	797	827	851	867	878	881
35	1.27	2.74	19.1	69.2	139	226	317	402	488	558	618	670	715	751	782	805	821	832	835
40	1.27	2.50	14.3	57.4	117	196	281	359	435	512	569	619	662	698	728	750	767	777	780
45	1.27	2.23	11.3	43.8	97.1	165	238	312	380	449	514	561	602	638	666	687	704	714	717
50	1.27	1.94	8.90	32.0	75.4	132	195	260	324	383	440	493	534	568	595	616	632	642	645
55	1.27	1.63	6.27	23.5	54.9	98.4	151	205	262	316	364	407	450	487	516	535	551	560	563
60	1.27	1.31	3.52	15.0	35.5	67.6	107	151	198	243	287	324	359	389	413	434	451	461	465
65	1.27	1.30	2.83	9.80	24.8	41.3	70.8	101	135	171	203	234	266	293	313	330	344	351	354
70	1.27	1.29	2.11	3.99	14.5	24.3	36.3	58.1	78.4	103	124	149	172	191	206	220	231	237	239
75	1.27	1.29	1.37	2.54	4.18	10.9	14.5	26.1	36.3	47.7	62.5	75.2	86.7	98.8	109	119	127	131	133
80	1.27	1.28	1.29	1.39	2.18	2.96	3.71	7.80	13.8	16.4	17.5	24.9	31.4	34.0	36.6	40.8	44.1	45.3	46.0
85	1.27	1.28	1.28	1.29	1.31	1.32	1.35	1.72	2.11	2.46	2.80	3.16	3.50	3.79	4.05	4.42	4.75	4.98	5.15
90	1.27	1.27	1.26	1.26	1.26	1.25	1.25	1.24	1.24	1.23	1.22	1.22	1.21	1.20	1.19	1.19	1.18	1.18	1.17

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: 99GENEVA200SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F365 x 120	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--2

UNIT: X10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	1.41	1.41	1.40	1.40	1.40	1.39	1.39	1.38	1.38	1.38	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.36	
-85	4.82	4.85	4.93	4.95	4.83	4.65	4.53	4.36	5.23	5.21	3.43	2.39	2.26	2.11	1.96	1.78	1.58	1.36	
-80	42.0	41.3	41.2	40.6	37.3	32.6	28.7	23.7	20.3	18.4	13.8	7.38	7.99	6.41	2.76	2.19	1.78	1.36	
-75	124	121	118	113	104	92.8	82.4	71.7	58.5	46.0	35.6	24.2	17.9	13.6	6.80	2.73	1.99	1.36	
-70	229	225	219	210	196	180	162	140	117	93.7	72.9	51.3	34.0	21.1	10.8	4.68	2.19	1.36	
-65	341	336	328	315	298	275	249	220	188	155	122	88.2	58.0	34.4	18.1	6.70	2.38	1.36	
-60	455	447	436	417	393	367	338	304	262	220	177	132	88.5	52.4	25.4	8.82	2.57	1.36	
-55	550	543	533	516	492	464	424	381	336	287	233	178	123	75.4	38.1	14.1	3.93	1.36	
-50	633	626	614	596	571	542	507	461	405	349	289	224	159	98.7	50.4	19.0	5.26	1.36	
-45	706	699	687	667	642	610	572	527	475	408	341	268	195	125	64.5	23.4	6.55	1.36	
-40	770	763	750	729	703	671	630	583	531	467	387	311	228	149	79.1	28.1	7.80	1.36	
-35	826	819	805	784	757	723	681	633	578	513	432	347	260	173	92.3	34.3	8.99	1.36	
-30	873	866	851	831	803	767	726	676	618	551	475	380	289	194	105	39.8	10.1	1.36	
-25	913	905	891	870	841	806	763	711	652	583	507	410	315	213	118	44.5	11.1	1.36	
-20	945	937	923	901	873	837	793	740	679	610	533	436	334	228	128	48.4	12.1	1.36	
-15	970	962	948	927	898	860	816	763	702	632	552	457	349	240	136	51.4	12.9	1.36	
-10	988	981	967	945	915	878	833	780	718	647	566	472	360	249	142	53.6	13.6	1.36	
-5	1000	994	979	957	928	890	844	791	728	656	574	481	367	254	145	54.9	14.1	1.36	
0	1009	1001	986	963	932	894	848	794	731	659	577	484	369	256	146	55.3	14.5	1.36	
5	993	983	967	944	914	879	835	783	722	652	571	478	365	253	145	54.7	14.4	1.36	
10	985	975	958	935	906	868	823	769	707	639	560	467	357	247	141	53.3	14.1	1.36	
15	969	959	943	920	890	853	808	755	693	623	544	450	345	237	135	51.0	13.6	1.36	
20	947	937	920	898	868	830	786	734	673	604	527	429	329	225	126	47.8	12.9	1.36	
25	917	907	891	868	838	802	758	706	647	580	502	405	310	209	116	43.8	12.1	1.36	
30	879	869	853	831	801	766	723	672	614	549	472	378	286	191	104	39.1	11.1	1.36	
35	833	823	808	787	758	723	681	632	575	511	431	347	258	171	90.2	33.5	10.00	1.36	
40	778	769	754	734	706	672	632	585	530	464	387	312	228	148	77.0	27.3	8.73	1.36	
45	715	707	692	673	647	613	575	531	476	407	341	269	196	124	62.8	23.5	7.33	1.36	
50	643	636	622	603	578	547	510	464	408	350	290	225	161	98.9	49.3	20.4	5.80	1.36	
55	562	555	542	525	501	469	427	386	341	290	234	180	126	76.0	37.3	17.1	4.17	1.36	
60	464	458	444	425	403	375	344	310	268	224	179	134	90.5	53.1	25.0	13.7	2.46	1.36	
65	354	349	339	325	308	284	255	226	195	160	124	89.5	59.6	35.2	18.6	10.1	2.27	1.36	
70	240	238	230	219	206	190	169	146	123	98.5	75.2	52.5	35.0	20.2	11.7	6.45	2.07	1.36	
75	134	133	128	121	112	102	88.6	75.8	62.4	49.4	37.2	24.8	18.0	8.61	6.95	2.65	1.87	1.36	
80	47.0	47.2	45.8	43.5	40.8	37.2	31.9	26.1	22.2	17.5	14.8	13.3	7.86	4.31	2.55	1.94	1.67	1.36	
85	5.41	5.63	8.46	10.8	7.95	5.45	7.14	7.99	5.48	3.67	3.43	2.24	2.09	1.93	1.74	1.54	1.46	1.36	
90	1.17	1.16	1.16	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.25	1.36	

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: