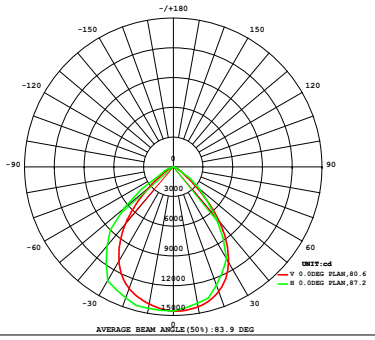
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		**579.2 cd per klm.**
(Luminaire orientation as tested.)		**0.0 degrees vertical - 2.0 degrees horizontal**
Beam Spread	**At 10% of Imax**	**116.9V x 110.1H**
	At 50% of Imax	**87.2V x 80.6H**
	At 90% of Imax	**49.2V x 41.5H**
Beam Flux	**Total**	**999.4 lumens per klm.**
	To 10% of Imax	**957.5 lumens per klm.**
	To 50% of Imax	**746.5 lumens per klm.**
	To 90% of Imax	**269.2 lumens per klm.**
	Upward LOR	**0.0 %**
	Downward LOR	**99.9 %**
Luminaire Efficiency(Light Output Ratio)		**100.0 %**

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA low CRI	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting B.V.	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:3342.46lm/W	
MODEL	CLF TYRA	Imax(cd)	14553
NOMINAL POWER(W)	362	AVAILABILITY(%)	96.0
RATED VOLTAGE(V)		Avai. FLUX(lm)	24117
NOMINAL FLUX(lm)	25124.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	25124
TEST VOLTAGE(V)	220	@50%(H,V)	81,87DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG) 20	30	40	50	60	70	80	90	t	a
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	0.00	0.00	0.05	0.01	0.00	0.00	0.23	0.30	0.32	0.06	0.16	0.37	0.38	0.29	0.20	0.00	0.00	0.08	0.00	
70	2.46	0.00	0.00	0.25	1.24	3.77	7.94	14.6	24.6	36.5	30.2	43.0	40.3	27.6	16.4	8.97	4.35	1.56	0.36	
60	0.01	0.26	2.19	7.55	17.6	38.6	70.4	103	105	121	109	77.7	44.1	20.0	8.56	3.03	0.62	0.02	729	628
50	0.02	0.70	3.79	11.3	30.5	81.8	160	230	269	269	236	174	95.3	35.8	12.5	4.29	0.91	0.04	1614	1556
40	0.03	0.91	4.87	16.3	56.8	146	245	321	357	354	318	250	158	67.5	18.9	5.46	1.15	0.05	2321	2278
30	0.04	1.09	5.80	21.1	81.1	198	311	389	421	416	379	308	208	94.4	24.7	6.41	1.34	0.06	2866	2828
20	0.04	1.20	6.44	25.5	102	228	340	410	438	432	397	330	229	112	29.3	6.92	1.42	0.06	3088	3053
10	0.04	1.20	6.46	26.1	104	232	342	410	439	434	399	333	233	115	30.3	7.02	1.43	0.07	3113	3077
0	0.04	1.17	6.33	25.4	102	227	335	403	433	429	395	329	228	111	29.2	6.84	1.40	0.06	3062	3028
-10	0.04	1.10	5.88	22.3	88.5	205	311	383	414	411	378	308	207	93.8	24.0	6.11	1.26	0.05	2860	2823
-20	0.03	0.90	4.84	16.7	59.7	150	247	317	352	352	318	249	155	63.0	17.4	5.05	1.06	0.04	2308	2265
-30	0.02	0.68	3.75	11.6	34.6	94.8	172	234	267	269	237	175	98.6	35.9	11.5	3.92	0.82	0.03	1650	1596
-40	0.01	0.45	2.57	7.49	17.1	36.9	73.3	115	140	140	114	72.6	36.1	16.3	7.26	2.68	0.54	0.02	783	699
-50	0.00	0.24	1.50	4.51	9.91	19.3	34.5	51.0	61.2	61.1	50.5	33.9	18.7	9.51	4.49	1.65	0.32	0.01	362	212
-60	0.00	0.09	0.62	2.00	4.10	6.14	7.39	8.53	9.25	9.17	8.33	7.10	5.87	4.04	2.12	0.78	0.13	0.00	75.7	
-70	0.00	0.00	0.01	0.14	0.49	1.09	1.93	2.84	3.60	4.04	4.02	3.57	2.82	1.96	1.18	0.58	0.21	0.02	0.00	
-80	28.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-90	0.00	0.00	0.00	0.00																
t	0.30	10.5	56.7	202	717	1681	2675	3414	3739	3745	3382	2679	1735	788	225	61.9	12.9	0.53	25124	---
a	0.00	0.00	0.00	67.5	632	1613	2611	3369	3685	3704	3340	2619	1668	711	98.0	0.00	0.00	0.00	---	24117

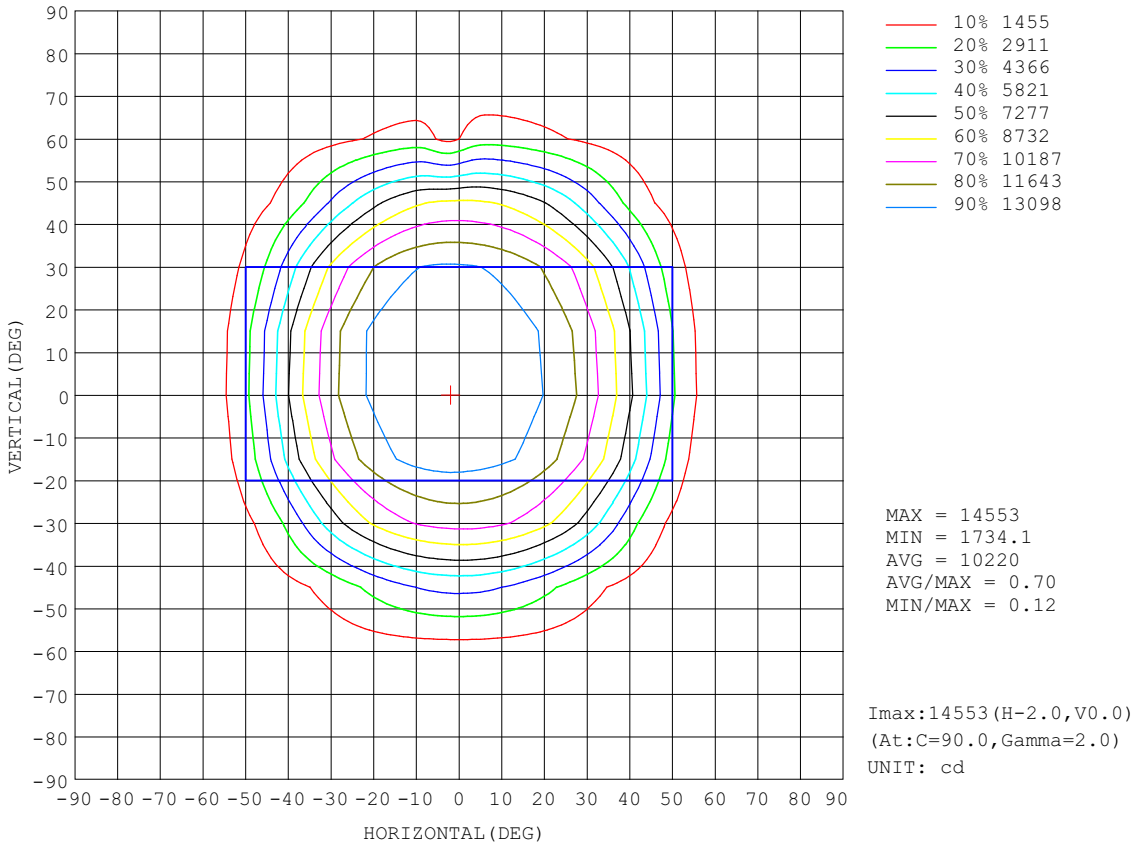
one-half-peak spread: U:38.9,D:48.7 , L:38.1,R:42.8 NEMA Beam Type: Type 6

H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

ISOCANDELA DIAGRAM

Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA Low CRI mode	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting	SUR.:	Shielding Angle:

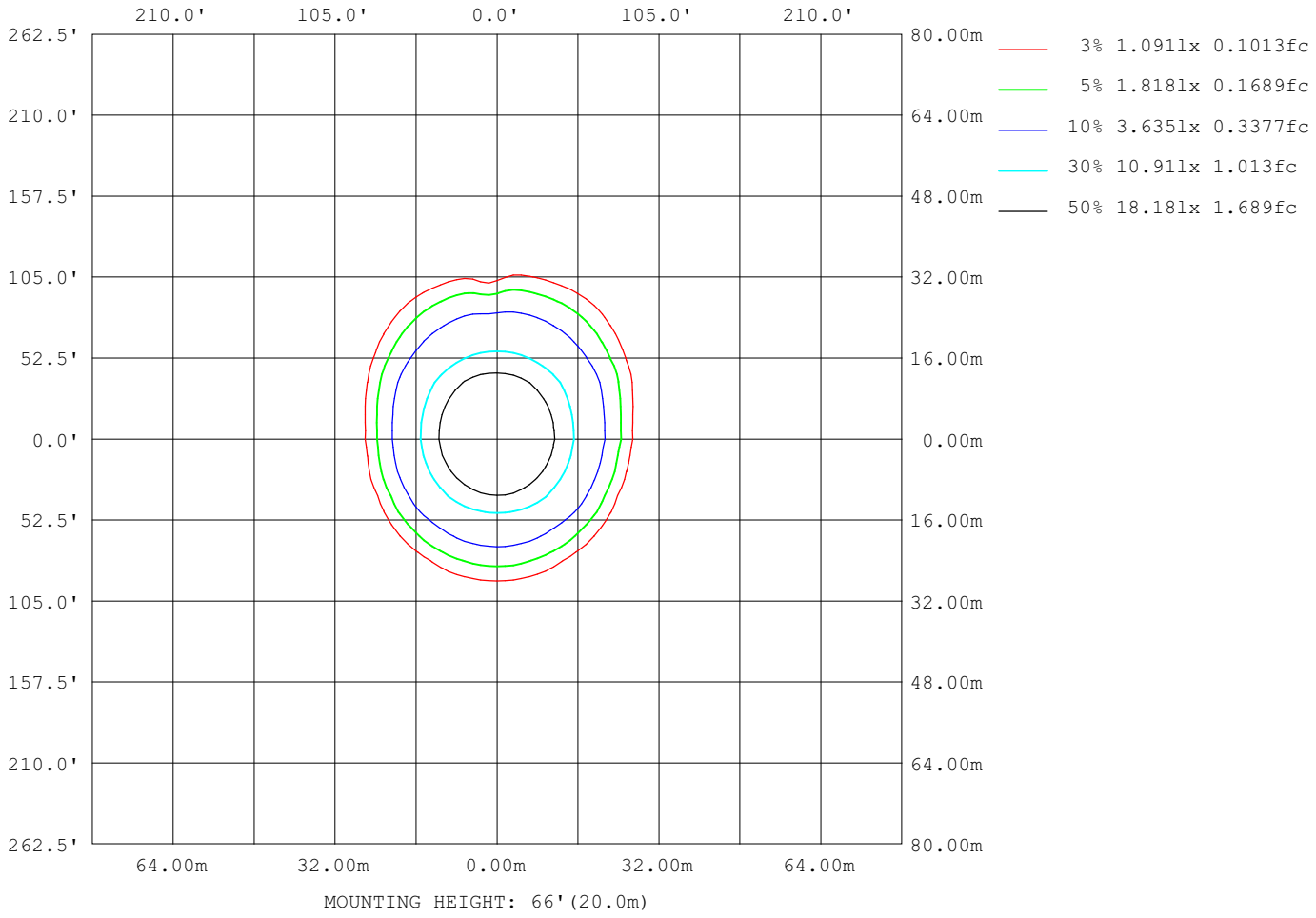


H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

ISOLUX DIAGRAM

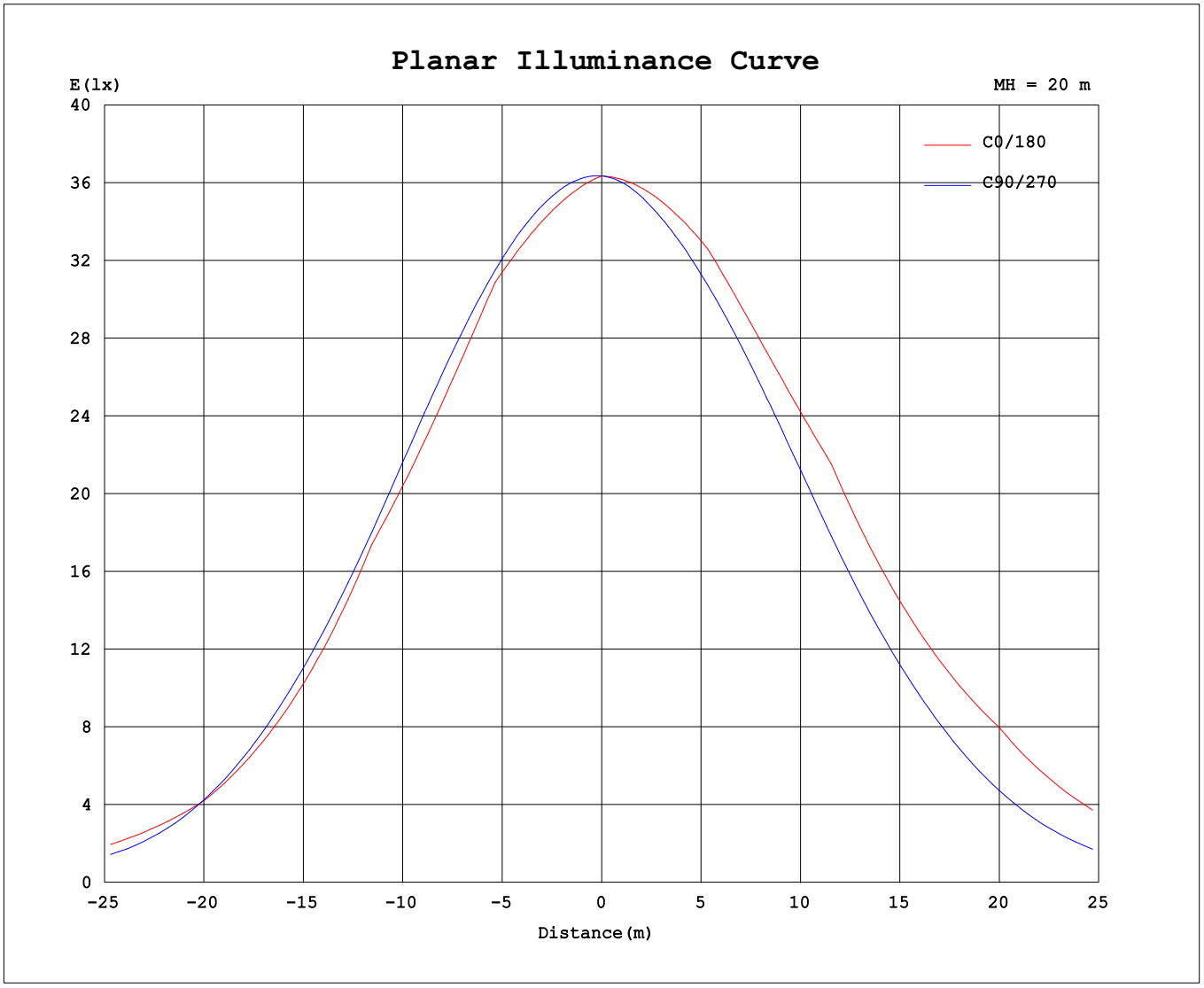
Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA Low CRI mode	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting	SUR.:	Shielding Angle:



H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

Planar Illuminance Curve



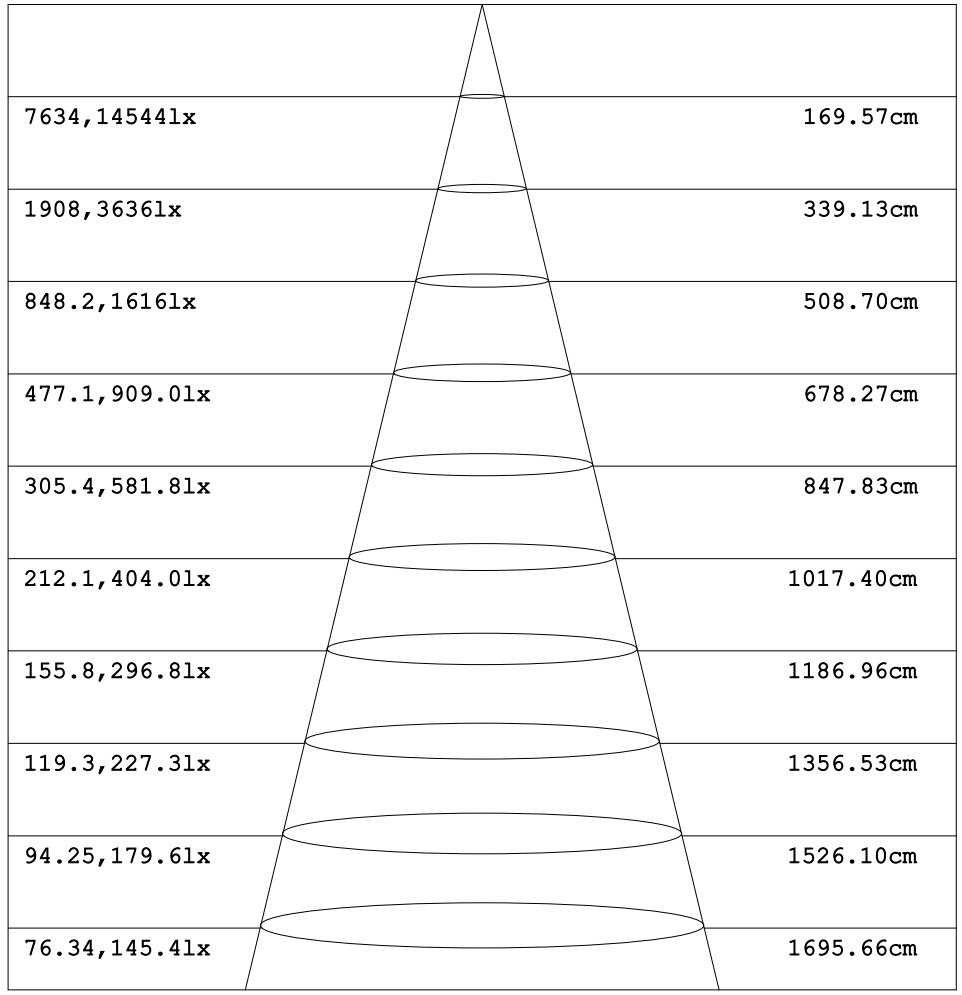
H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

AAI Figure

Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA Low CRI mode	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting	SUR.:	Shielding Angle:

Flux out:17494 lm



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

H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA Low CRI mode	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting	SUR.:	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
-75	0.00	0.00	0.00	0.00	0.00	1.05	1.63	2.43	3.45	4.65	5.96	7.33	8.65	9.88	10.9	11.8	12.4	12.8	12.9
-70	0.00	0.00	0.00	0.54	1.27	3.09	4.97	7.29	9.94	12.8	15.8	18.9	21.9	24.8	27.4	29.6	31.3	32.3	32.6
-65	0.00	0.00	0.00	1.07	2.53	5.12	8.30	12.1	16.4	21.0	25.7	30.5	35.2	39.7	43.9	47.5	50.1	51.8	52.3
-60	0.00	0.00	0.00	1.61	3.80	7.16	11.6	17.0	22.9	29.2	35.6	42.1	48.5	54.6	60.4	65.3	69.0	71.3	72.0
-55	0.00	0.00	0.48	2.66	6.13	11.1	17.6	25.3	34.4	45.3	58.9	76.4	98.7		125	151	174	192	203	207
-50	0.00	0.00	0.95	3.70	8.46	15.1	23.5	33.6	45.9	61.4	82.1		111	149	195	242	283	315	334	341
-45	0.00	0.00	1.43	4.74	10.8	19.1	29.4	41.9	57.4	77.5		105	145	199	265	332	392	438	466	476
-40	0.00	0.00	1.80	6.04	13.4	23.4	36.2	53.2	78.1		118	180	261	349	438	518	584	634	664	675
-35	0.00	0.00	2.18	7.34	16.0	27.7	43.0	64.5	98.7		159	255	376	499	610	704	777	830	862	874
-30	0.00	0.00	2.56	8.64	18.6	32.0	49.8	75.7		119	200	329	492	648	783	890	970	1026	1060	1073
-25	0.00	0.00	2.95	9.80	20.8	35.7	56.5	89.6		152	267	426	603	763	898	1005	1082	1134	1163	1172
-20	0.00	0.00	3.34	11.0	22.9	39.5	63.2		103	185	333	523	713	879	1014	1120	1194	1242	1266	1271
-15	0.00	0.00	3.74	12.1	25.1	43.2	69.8		117	217	400	620	824	994	1129	1235	1306	1350	1369	1370
-10	0.00	0.00	3.87	12.5	25.9	44.5	72.6		124	233	427	655	862	1033	1168	1269	1337	1378	1397	1398
-5	0.00	0.00	4.00	12.9	26.6	45.9	75.4		130	248	454	689	900	1072	1207	1304	1367	1405	1424	1426
0	0.00	0.00	4.13	13.2	27.4	47.3	78.2		137	263	481	724	939	1111	1246	1338	1398	1433	1452	1454
5	0.00	0.00	4.15	13.3	27.4	47.3	77.8		136	260	474	716	932	1106	1244	1339	1398	1433	1450	1451
10	0.00	0.00	4.18	13.3	27.4	47.3	77.4		134	256	468	709	925	1101	1241	1339	1399	1433	1448	1449
15	0.00	0.00	4.21	13.3	27.4	47.3	77.1		133	253	462	701	919	1096	1238	1339	1399	1433	1445	1446
20	0.00	0.00	3.96	12.6	26.1	44.9	72.4		122	226	411	636	850	1029	1174	1281	1350	1390	1406	1406
25	0.00	0.00	3.71	11.9	24.7	42.4	67.8		112	200	361	572	782	962	1109	1223	1301	1347	1366	1367
30	0.00	0.00	3.46	11.2	23.4	40.0	63.2		101	173	310	508	713	894	1045	1164	1252	1304	1327	1327
35	0.00	0.00	3.09	10.00	21.1	36.1	56.5	88.1		146	252	409	583	747	890	1007	1096	1153	1181	1185
40	0.00	0.00	2.71	8.82	18.7	32.1	49.8	75.4		118	194	310	453	601	735	850	940	1002	1036	1043
45	0.00	0.00	2.34	7.64	16.4	28.2	43.1	62.6	90.8		136	211	323	454	580	692	785	852	890	902
50	0.00	0.00	1.94	6.27	13.6	23.3	36.2	52.4	74.7		109	164	244	338	430	515	585	636	639	649
55	0.00	0.00	1.53	4.91	10.8	18.4	29.3	42.1	58.6	81.6		116	165	223	281	337	386	420	388	397
60	0.00	0.00	1.13	3.54	8.00	13.5	22.4	31.8	42.5	54.6	69.1	86.4		107	132	159	187	204	136	144
65	0.00	0.00	0.75	2.70	5.74	9.02	14.9	21.2	28.3	36.4	46.1	58.0	72.0	88.6		107	125	136	90.8	96.2
70	0.00	0.00	0.38	1.86	3.49	4.51	7.47	10.6	14.2	18.2	23.0	29.6	36.7	45.0	54.2	63.2	68.7	45.4	48.1	
75	0.00	0.00	0.00	1.02	1.23	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.39	1.47	1.54	1.46	1.19	0.00	0.00	
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.1314A P:7.5167W PF:0.2599 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:25124.2x1 lm		
NAME: CLF TYRA Low CRI mode	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 20250808
MFR.: CLF Lighting B.V.	SUR.:	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-75	12.8	12.3	11.7	10.9	9.90	8.79	7.63	6.43	5.26	4.14	3.10	2.21	1.45	0.00	0.00	0.00	0.00	
-70	32.1	30.9	29.2	26.9	24.3	21.4	18.5	15.7	12.9	10.3	7.92	5.74	3.82	1.64	0.77	0.00	0.00	
-65	51.4	49.5	46.6	42.8	38.6	34.0	29.4	24.9	20.6	16.5	12.7	9.27	6.19	3.28	1.55	0.00	0.00	
-60	70.8	68.1	64.1	58.8	53.0	46.6	40.3	34.2	28.3	22.7	17.5	12.8	8.56	4.93	2.32	0.00	0.00	
-55	203	191	172	149	123	96.7	74.0	56.4	43.4	33.4	25.3	18.4	12.4	7.35	3.55	0.68	0.00	0.00
-50	335	314	281	239	193	147	108	78.7	58.5	44.0	33.0	23.9	16.2	9.77	4.77	1.36	0.00	0.00
-45	467	437	389	329	262	197	142	101	73.6	54.7	40.7	29.5	20.1	12.2	6.00	2.04	0.00	0.00
-40	666	636	586	520	441	353	265	184	119	77.1	52.5	36.5	24.6	15.0	7.56	2.61	0.00	0.00
-35	866	836	784	712	620	510	389	267	164	99.5	64.4	43.6	29.1	17.9	9.13	3.19	0.00	0.00
-30	1065	1035	981	903	799	667	513	350	210	122	76.2	50.7	33.6	20.7	10.7	3.77	0.00	0.00
-25	1162	1135	1085	1009	906	775	620	447	282	160	92.4	57.7	37.3	22.9	11.9	4.24	0.00	0.00
-20	1260	1234	1188	1115	1013	884	728	544	354	199	109	64.8	41.1	25.1	13.1	4.71	0.00	0.00
-15	1357	1333	1291	1221	1120	992	835	641	427	237	125	71.9	44.9	27.3	14.3	5.18	0.00	0.00
-10	1384	1357	1315	1249	1153	1027	871	679	463	263	136	76.4	47.1	28.5	15.0	5.49	0.35	0.00
-5	1410	1381	1339	1278	1187	1063	906	717	499	289	147	80.9	49.3	29.7	15.7	5.80	0.71	0.00
0	1437	1404	1363	1306	1221	1098	942	755	536	315	159	85.4	51.4	30.9	16.4	6.12	1.06	0.00
5	1434	1402	1359	1300	1214	1090	935	747	528	309	156	84.6	51.1	30.7	16.2	6.06	1.06	0.00
10	1432	1399	1356	1295	1206	1082	928	739	520	303	154	83.8	50.7	30.6	16.1	6.00	1.05	0.00
15	1429	1397	1352	1290	1199	1074	921	731	512	297	152	83.1	50.4	30.4	16.0	5.94	1.04	0.00
20	1389	1357	1309	1243	1149	1023	869	679	467	269	140	78.7	48.4	29.4	15.5	5.74	0.70	0.00
25	1350	1317	1267	1196	1099	972	816	627	422	241	128	74.4	46.5	28.4	15.0	5.54	0.35	0.00
30	1310	1278	1224	1149	1049	921	763	574	376	212	116	70.0	44.6	27.3	14.4	5.34	0.00	0.00
35	1171	1139	1085	1010	910	784	635	467	304	175	100	62.5	40.4	24.8	13.0	4.79	0.00	0.00
40	1031	999	946	871	771	648	507	360	231	138	84.3	55.0	36.2	22.3	11.6	4.24	0.00	0.00
45	891	860	807	732	632	511	379	252	158	102	68.6	47.4	32.0	19.8	10.2	3.68	0.00	0.00
50	670	649	606	548	471	381	285	194	126	83.7	58.0	40.6	27.2	16.3	8.70	3.13	0.00	0.00
55	449	438	406	363	310	251	191	135	93.3	65.8	47.4	33.9	22.4	12.7	7.17	2.58	0.00	0.00
60	227	227	206	178	149	120	96.6	77.0	61.1	48.0	36.8	27.1	17.6	9.22	5.63	2.03	0.00	0.00
65	152	151	138	120	99.6	80.9	64.9	51.8	41.1	32.3	24.5	18.1	11.8	6.15	4.37	1.36	0.00	0.00
70	76.5	76.4	69.7	60.7	50.7	41.3	33.2	26.6	21.2	16.7	12.3	9.03	5.88	3.07	3.10	0.68	0.00	0.00
75	1.03	1.38	1.68	1.89	1.85	1.73	1.57	1.40	1.20	1.00	0.00	0.00	0.00	0.00	1.83	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H( ) Range:-90 - 90DEG
H( ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-10-17

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.465
Humidity:65.0%
Test Distance:8.000m [K=1.0000] Remarks: