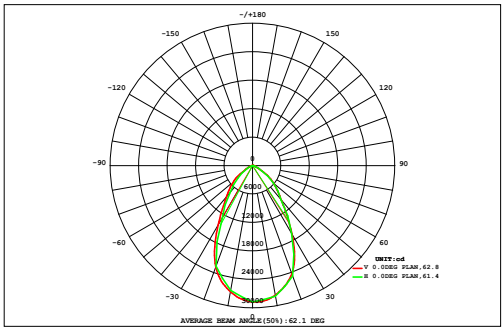
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		786.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	112.4V x 115.8H
	At 50% of Imax	61.4V x 62.8H
	At 90% of Imax	29.3V x 29.6H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	932.5 lumens per klm.
	To 50% of Imax	545.2 lumens per klm.
	To 90% of Imax	145.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.94lm/W	
MODEL		Imax(cd)	28767
NOMINAL POWER(W)	240	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	34281
NOMINAL FLUX(lm)	36587	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	36587
TEST VOLTAGE(V)	220.6	q @50%(H,V)	63,61DEG

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	F t	F 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	0.00
80	0.25	0.83	1.64	2.68	3.89	5.22	6.52	7.37	7.82	7.91	7.41	6.67	5.43	4.03	2.77	1.69	0.85	0.25	73.2	0.00
70	0.20	0.85	2.34	4.87	8.52	14.5	22.1	26.0	26.3	26.4	25.5	23.1	16.2	9.21	5.20	2.54	0.93	0.20	215	0.00
60	0.19	1.15	3.87	9.67	21.4	40.9	61.2	73.3	77.6	78.1	74.6	62.8	43.2	23.8	11.1	4.32	1.31	0.21	589	196
50	0.20	1.53	5.90	18.9	46.8	81.3	114	146	167	168	150	118	84.6	50.2	21.9	6.78	1.77	0.24	1182	1017
40	0.21	1.96	8.35	31.9	73.1	121	177	246	291	295	254	186	127	77.5	36.2	9.94	2.27	0.27	1939	1838
30	0.22	2.36	11.2	45.5	102	174	280	422	509	512	434	299	184	108	51.6	13.6	2.79	0.31	3151	3081
-30	0.24	2.71	13.8	57.5	132	239	431	650	755	755	654	451	255	140	65.2	16.4	3.21	0.36	4622	4563
-40	0.26	2.98	15.4	63.5	146	279	522	737	835	836	740	536	297	155	71.5	17.9	3.57	0.40	5259	5202
-50	0.29	3.12	16.0	66.3	151	293	541	752	855	856	756	552	306	159	73.1	18.5	3.75	0.44	5403	5346
-60	0.31	3.09	15.3	62.6	141	266	484	694	795	796	701	495	275	149	68.5	17.8	3.72	0.46	4966	4908
-70	0.33	2.95	14.0	54.7	120	212	363	538	633	635	542	363	214	125	58.7	15.6	3.52	0.47	3895	3833
-80	0.34	2.68	11.4	40.8	87.7	146	220	313	379	379	313	220	150	92.6	44.3	12.4	3.19	0.47	2415	2334
-90	0.34	2.33	8.75	27.8	61.3	103	146	188	213	212	186	145	104	63.8	28.7	9.15	2.72	0.45	1502	1372
	0.34	1.93	6.36	16.3	36.0	62.9	89.0	110	119	118	109	89.6	64.3	36.7	16.1	6.59	2.21	0.42	884	591
	0.33	1.54	4.24	8.56	14.6	26.2	38.6	42.0	38.8	39.3	42.2	38.1	25.7	14.1	8.47	4.46	1.71	0.39	349	0.00
	0.31	1.20	2.66	4.65	6.89	8.63	9.84	11.1	13.4	13.6	11.5	9.87	8.31	6.78	4.79	2.78	1.28	0.35	118	0.00
	0.16	0.52	0.93	1.32	1.69	1.98	2.08	2.02	1.90	1.81	1.97	1.93	1.77	1.53	1.21	0.84	0.48	0.15	24.3	0.00
F t	4.49	33.7	142	518	1153	2074	3507	4957	5717	5730	5001	3596	2162	1217	569	161	39.3	5.84	36587	---
F a	0.00	0.00	0.00	293	976	1936	3348	4811	5579	5596	4869	3459	1996	1051	363	4.65	0.00	0.00	---	34281

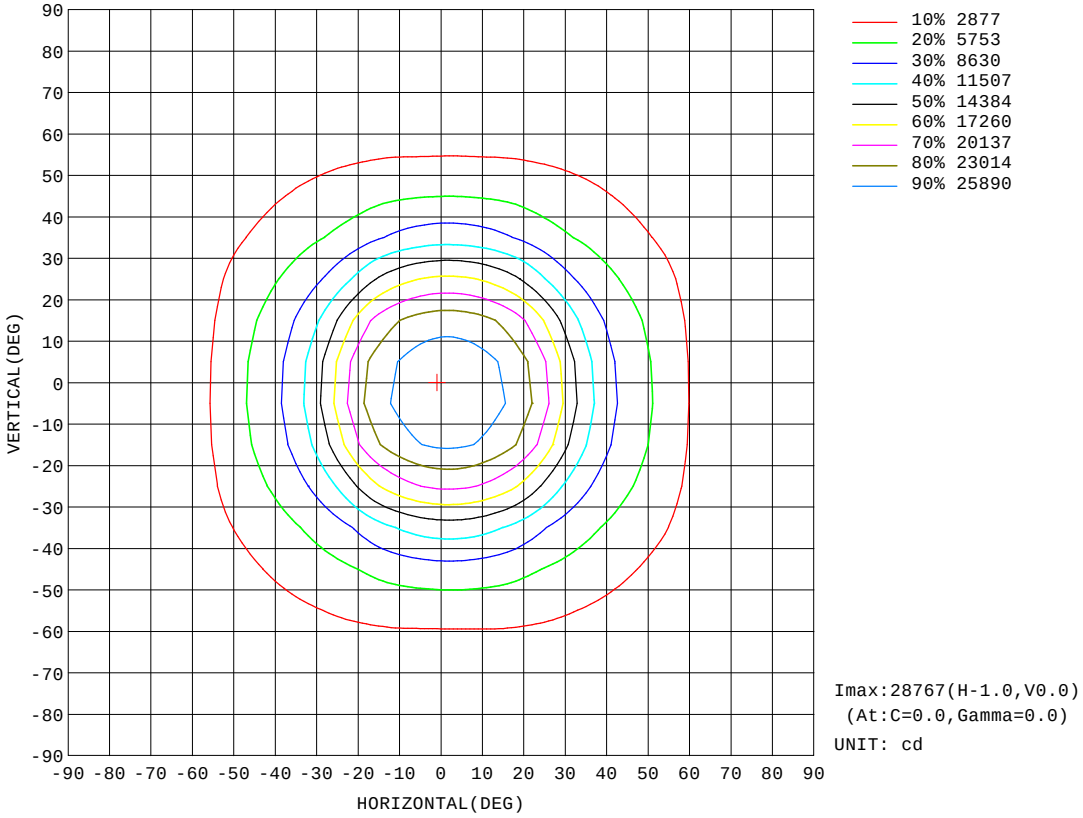
one-half-peak spread: U:33.3,D:28.5 , L:31.7,R:31.4 **NEMA Beam Type: Type 6**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

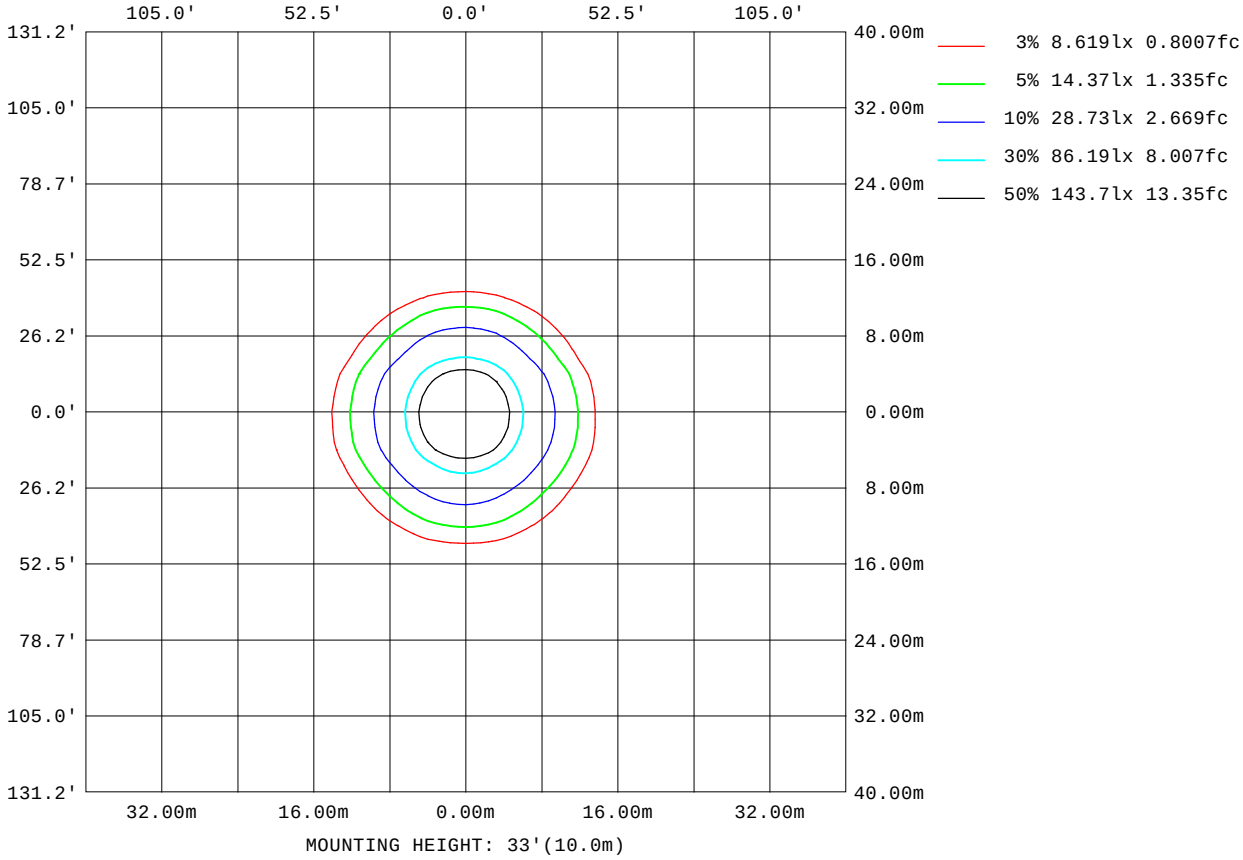


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

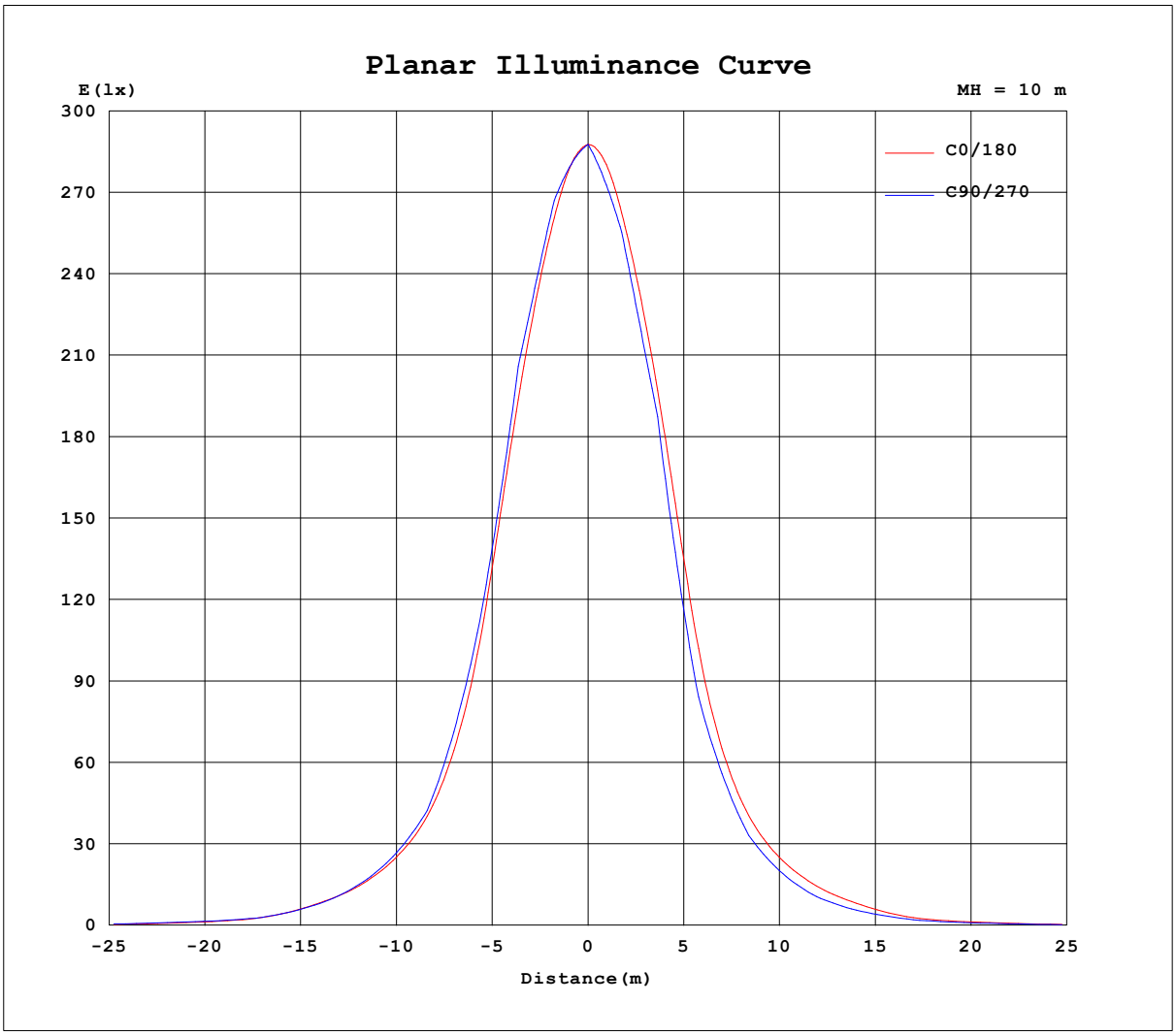
Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



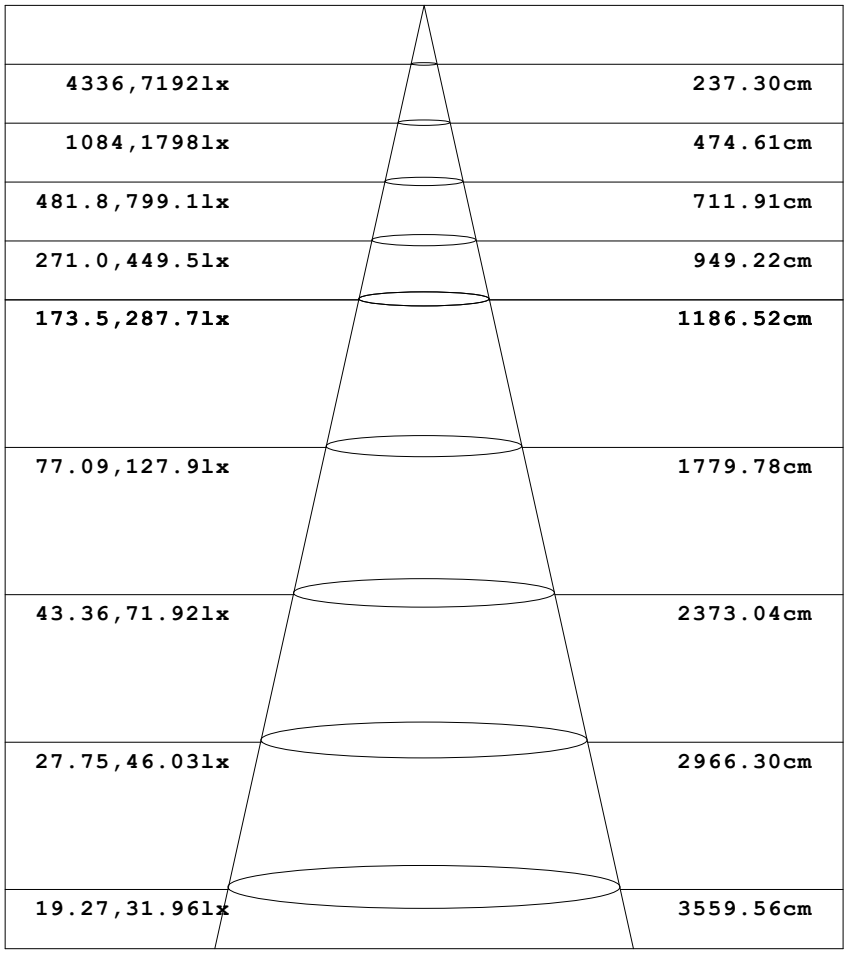
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:19674 lm



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

H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:18 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

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	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
-80	9.82	11.2	12.3	13.4	14.7	16.1	17.5	18.8	20.1	21.5	22.8	24.1	25.1	25.8	26.1	26.1	26.1	26.4	26.5
-75	9.21	10.3	12.1	13.9	16.4	19.4	22.7	26.1	29.4	32.8	36.6	40.2	43.9	47.1	49.4	50.9	52.1	54.0	56.1
-70	9.64	11.7	14.0	17.2	21.6	26.6	32.0	37.4	42.8	48.7	54.8	60.9	66.7	71.4	74.6	77.0	80.1	84.3	86.0
-65	9.00	10.3	13.1	16.7	22.2	29.3	37.6	46.7	56.7	67.4	84.5	104	124	141	152	156	157	153	152
-60	9.52	12.2	16.1	22.4	31.1	41.7	53.8	67.8	82.5	104	137	171	203	227	236	237	229	220	219
-55	8.70	10.0	13.8	20.0	29.3	41.7	58.4	79.7	111	148	190	235	276	312	342	366	385	391	395
-50	9.00	12.1	18.1	28.1	41.3	60.3	87.0	126	183	241	298	349	393	436	477	522	550	568	574
-45	8.16	9.41	14.2	23.3	36.5	54.9	83.6	131	197	261	328	393	454	513	577	647	700	736	756
-40	8.26	11.9	20.1	33.5	51.5	80.4	130	213	288	361	437	510	586	666	761	841	897	934	942
-35	7.48	8.57	14.4	26.4	42.8	67.9	112	195	293	376	465	553	653	763	905	1054	1170	1254	1297
-30	7.45	11.3	21.7	37.8	60.8	102	184	299	395	497	598	714	848	1023	1232	1414	1552	1638	1658
-25	6.71	7.59	14.3	28.8	47.7	79.6	142	258	388	501	622	761	939	1170	1459	1716	1895	2012	2066
-20	6.52	10.6	22.9	41.1	67.6	122	229	384	510	650	807	1013	1290	1656	2014	2249	2392	2466	2480
-15	5.90	6.57	13.8	29.9	51.0	87.1	163	299	456	596	749	948	1223	1594	1990	2285	2469	2583	2636
-10	5.66	9.66	22.7	42.2	70.7	133	238	418	563	720	914	1193	1575	2018	2352	2561	2697	2777	2793
-5	5.19	5.69	13.2	29.8	52.3	90.6	169	316	483	635	803	1038	1368	1804	2211	2482	2657	2777	2833
0	5.01	8.97	22.3	42.2	70.4	138	241	435	583	743	952	1254	1663	2104	2427	2630	2773	2858	2873
5	4.70	5.07	12.4	28.6	50.6	87.5	164	306	473	622	786	1011	1326	1745	2152	2427	2602	2718	2772
10	4.60	8.24	20.6	39.3	66.1	125	225	399	540	689	870	1124	1470	1899	2241	2451	2583	2657	2671
15	4.47	4.76	11.4	26.5	46.0	78.3	149	274	427	560	703	881	1119	1443	1813	2111	2299	2413	2464
20	4.50	7.86	18.9	35.5	58.9	108	204	346	467	598	738	907	1131	1439	1774	2016	2167	2244	2256
25	4.53	4.77	10.5	23.5	39.9	66.8	122	224	345	447	556	675	817	997	1230	1462	1623	1727	1775
30	4.69	7.42	16.3	30.2	49.4	83.8	153	253	340	427	514	605	705	826	980	1115	1218	1281	1294
35	4.87	5.04	9.53	19.7	33.2	53.2	88.9	157	245	317	394	469	546	628	726	839	924	985	1016
40	5.11	7.12	13.7	24.7	38.5	61.0	99.1	168	236	299	365	424	483	541	610	672	709	734	740
45	5.41	5.52	8.73	15.8	25.9	39.4	60.8	96.7	150	205	261	315	363	408	451	501	538	559	571
50	5.73	6.94	11.2	18.6	28.3	41.3	60.4	87.5	130	175	221	265	298	326	351	380	394	400	403
55	6.09	6.15	8.17	12.4	19.0	27.4	38.7	53.3	74.3	102	131	167	198	226	246	262	272	273	277
60	6.45	7.15	9.52	13.6	19.3	26.0	33.5	41.8	52.1	63.3	82.1	109	134	152	159	158	151	149	153
65	6.79	6.80	7.88	9.92	13.3	17.6	22.5	27.8	33.7	40.4	48.4	62.3	76.5	89.8	97.7	99.9	98.9	95.6	96.9
70	7.12	7.42	8.35	9.97	12.3	14.9	17.7	20.6	23.6	26.5	29.7	32.9	36.1	38.4	40.0	40.7	41.6	42.6	43.4
75	7.34	7.33	7.70	8.42	9.53	11.0	12.5	14.1	15.7	17.3	19.0	20.7	22.5	24.1	25.2	25.8	26.2	26.7	27.2
80	7.55	7.54	7.82	8.11	8.47	8.85	9.20	9.51	9.79	10.1	10.4	10.7	11.0	11.2	11.4	11.4	11.5	11.5	11.5
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.6V I:1.101A P:242.4W PF:0.9892 Freq:49.90Hz Lamp Flux:36587x1 lm		
NAME: ITSP4240604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×10cd

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	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
-80	26.4	26.4	26.6	26.6	26.2	25.4	24.3	23.2	21.9	20.7	19.4	18.1	16.5	15.1	13.8	12.9	11.9	10.6
-75	55.7	53.9	52.9	52.0	50.5	48.1	44.6	40.8	37.4	33.8	30.5	27.1	23.6	20.2	17.3	14.9	13.3	11.6
-70	82.8	80.0	78.2	75.9	72.1	66.7	60.3	54.3	48.4	42.9	37.5	31.9	26.5	21.6	17.6	14.8	12.8	11.0
-65	153	156	160	159	153	140	121	102	82.1	67.0	57.1	47.2	38.1	29.8	23.1	18.0	14.6	12.2
-60	227	238	241	237	219	192	158	126	96.0	79.0	64.9	51.5	39.5	29.6	22.1	16.8	13.5	11.4
-55	396	394	386	366	340	308	271	229	184	143	107	77.4	56.6	41.3	30.0	21.3	15.7	12.5
-50	564	543	508	465	425	381	335	278	222	164	111	77.0	54.2	38.8	26.8	18.4	13.7	11.4
-45	754	731	691	632	567	506	447	386	320	254	187	121	78.7	53.5	37.0	24.6	16.4	12.3
-40	921	875	809	720	635	561	487	416	337	266	182	109	70.4	47.4	31.5	19.7	13.4	11.2
-35	1292	1238	1148	1023	876	748	644	548	459	370	285	181	105	65.2	43.1	27.6	16.7	11.8
-30	1610	1501	1346	1148	955	806	684	575	471	376	262	150	86.8	54.0	35.3	20.7	12.8	10.7
-25	2058	1985	1853	1655	1383	1115	906	742	609	487	377	236	130	74.8	47.6	29.5	16.5	11.0
-20	2433	2324	2143	1847	1476	1160	922	745	602	467	322	182	99.6	58.8	37.1	20.7	11.9	9.97
-15	2624	2551	2418	2209	1882	1491	1158	908	724	575	440	269	147	81.5	49.9	30.1	15.8	10.0
-10	2742	2633	2468	2207	1820	1401	1076	837	667	513	359	192	111	61.2	37.7	20.3	10.8	9.08
-5	2819	2742	2607	2410	2100	1678	1284	984	771	612	466	282	155	83.9	50.0	29.5	14.7	8.94
0	2820	2700	2530	2273	1891	1456	1111	853	680	524	368	189	112	60.5	36.4	19.1	9.63	8.12
5	2758	2684	2550	2351	2039	1622	1242	953	751	596	455	275	149	79.9	47.5	27.7	13.4	7.89
10	2623	2520	2353	2086	1699	1306	1006	791	633	488	340	183	101	55.4	33.7	17.3	8.42	7.19
15	2451	2380	2243	2028	1709	1349	1055	835	673	534	410	251	133	71.6	42.6	24.9	11.9	6.95
20	2208	2092	1900	1606	1282	1019	823	673	547	425	293	163	84.7	48.5	29.4	15.0	7.30	6.40
25	1764	1698	1575	1396	1159	942	776	644	532	424	327	204	109	60.7	36.8	21.5	10.4	6.27
30	1255	1170	1053	904	762	656	562	476	388	308	213	119	67.6	40.6	25.1	12.9	6.55	5.92
35	1010	969	901	807	697	605	527	452	377	301	228	141	80.1	48.0	30.3	17.8	9.14	5.90
40	724	692	646	576	517	459	401	340	273	209	137	79.3	50.0	31.9	19.8	10.8	6.15	5.75
45	569	553	528	487	439	398	353	302	247	192	137	85.8	54.7	35.8	23.5	14.1	8.15	5.88
50	397	386	367	338	312	283	247	200	154	110	73.0	50.9	35.3	24.0	15.2	9.28	6.19	5.93
55	276	271	268	257	241	219	190	157	123	94.3	67.4	48.6	35.2	25.2	17.2	11.2	7.54	6.16
60	149	154	158	156	144	122	97.1	71.1	56.7	46.7	37.3	29.7	22.5	16.3	11.5	8.16	6.51	6.38
65	97.0	95.8	98.2	98.8	95.7	86.8	72.4	58.3	45.4	38.1	31.6	25.9	20.8	16.2	12.2	9.14	7.33	6.67
70	42.3	41.0	40.0	39.2	37.5	34.8	31.2	28.1	24.8	21.9	18.9	16.1	13.5	11.0	8.97	7.67	7.01	6.96
75	27.3	26.6	26.0	25.5	24.9	23.8	22.0	20.1	18.4	16.6	15.0	13.4	11.8	10.4	9.07	8.03	7.42	7.20
80	11.5	11.4	11.4	11.3	11.1	10.8	10.5	10.2	9.82	9.48	9.14	8.77	8.43	8.12	7.81	7.58	7.44	7.45
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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks: