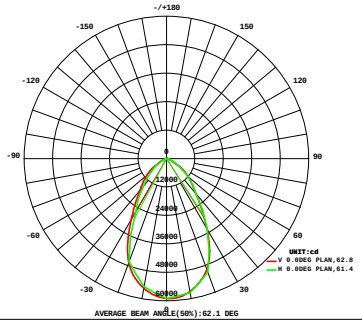
Floodlight Summary:

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	112.3V x 115.7H
	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	545.7 lumens per klm.
	To 90% of Imax	146.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.50lm/W	
MODEL		Imax(cd)	59042
NOMINAL POWER(W)	500	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	70342
NOMINAL FLUX(lm)	75085.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	75085
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	0.52	1.70	3.34	5.46	7.89	10.6	13.2	14.9	15.8	16.0	15.0	13.6	11.1	8.27	5.70	3.50	1.77	0.52	149	0.00
70	0.40	1.73	4.75	9.86	17.2	29.1	44.5	52.6	53.4	53.6	51.8	46.9	33.0	18.8	10.7	5.24	1.94	0.42	436	0.00
60	0.40	2.34	7.87	19.6	43.2	82.5	124	149	157	159	152	128	88.1	48.7	22.8	8.92	2.71	0.44	1196	379
50	0.40	3.12	12.0	38.2	94.8	165	232	298	339	342	306	241	173	103	45.0	14.0	3.66	0.49	2410	2067
40	0.42	3.99	17.0	64.6	149	248	362	500	594	602	519	381	260	159	74.4	20.5	4.69	0.56	3961	3753
30	0.45	4.81	22.7	92.5	207	354	570	859	1039	1046	887	612	377	222	106	28.0	5.76	0.65	6434	6292
20	0.50	5.54	28.1	117	269	489	880	1329	1547	1549	1341	926	524	288	134	33.8	6.64	0.74	9469	9350
10	0.54	6.08	31.3	130	299	571	1067	1511	1713	1717	1520	1103	611	319	148	37.1	7.37	0.83	10790	10672
0	0.59	6.37	32.7	136	309	599	1108	1543	1756	1758	1554	1136	630	328	151	38.2	7.73	0.90	11094	10977
-10	0.63	6.32	31.2	128	289	545	993	1425	1633	1635	1441	1020	566	306	141	36.7	7.68	0.94	10206	10088
-20	0.67	6.05	28.6	112	246	436	747	1107	1302	1307	1117	749	442	257	121	32.1	7.23	0.96	8020	7893
-30	0.70	5.52	23.5	84.2	181	300	454	647	783	784	647	452	308	190	91.0	25.5	6.53	0.95	4985	4818
-40	0.70	4.81	18.0	57.3	126	211	300	387	439	437	383	298	215	131	59.1	18.8	5.60	0.92	3092	2824
-50	0.70	3.99	13.1	33.7	74.5	130	184	227	246	244	224	185	133	75.9	33.3	13.6	4.53	0.87	1827	1229
-60	0.68	3.18	8.74	17.7	30.3	54.3	79.9	87.0	80.3	81.5	87.3	78.8	53.1	29.1	17.4	9.17	3.50	0.80	723	0.00
-70	0.64	2.48	5.50	9.60	14.3	17.9	20.4	23.0	27.7	28.0	23.5	20.2	16.9	13.8	9.78	5.66	2.62	0.71	243	0.00
-80	0.32	1.07	1.90	2.71	3.43	4.00	4.20	4.05	3.79	3.61	3.96	3.93	3.60	3.13	2.48	1.71	0.98	0.31	49.2	0.00
-90																				
F t	9.23	69.1	290	1058	2361	4247	7183	10164	11729	11763	10272	7393	4446	2502	1172	333	80.9	12.0	75085	---
F a	0.00	0.00	0.00	599	1994	3963	6858	9866	11445	11478	10000	7112	4104	2164	750	9.62	0.00	0.00	---	70342

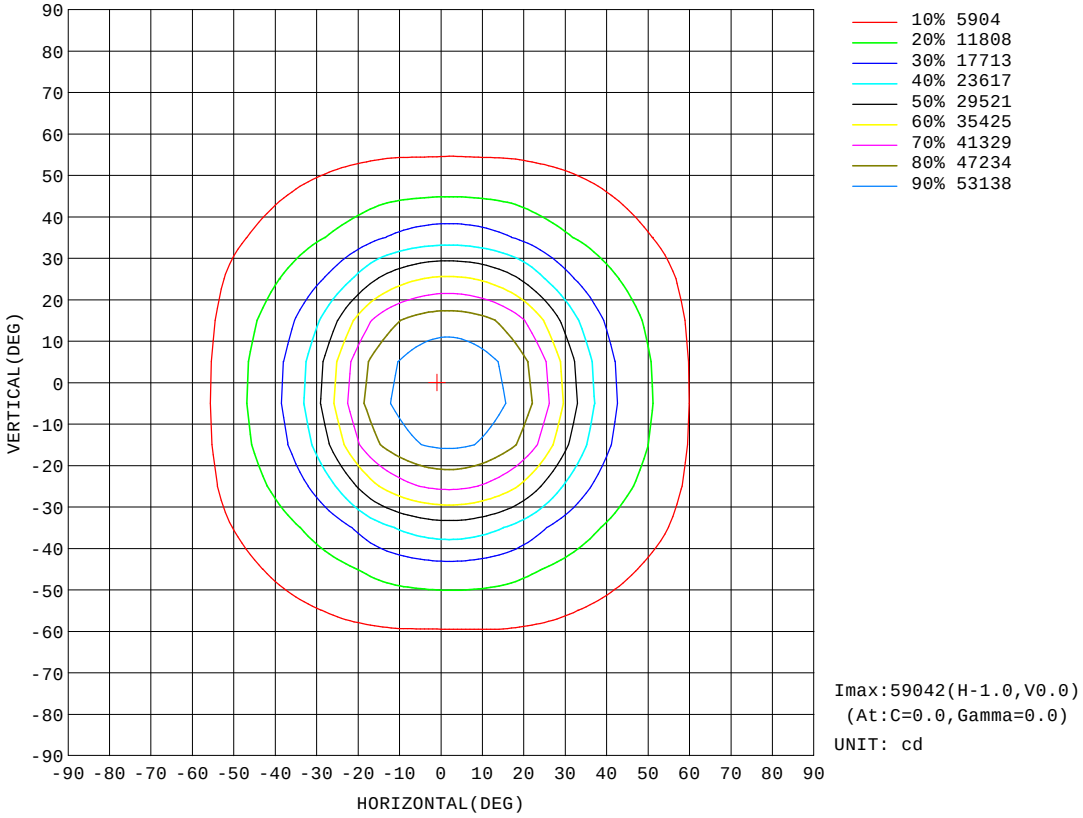
one-half-peak spread: U:33.4,D:28.3 , L:31.7,R:31.5 **NEMA Beam Type: Type 6**

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:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

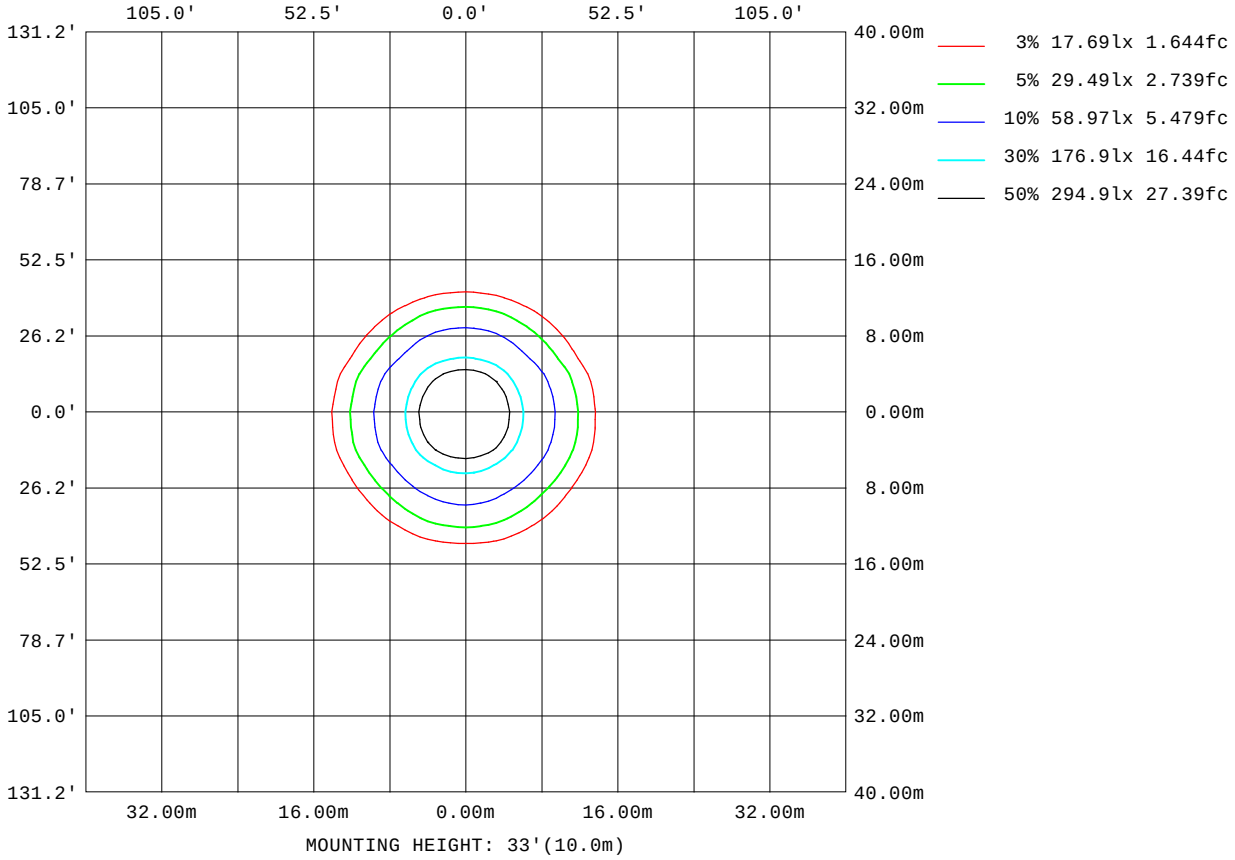


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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

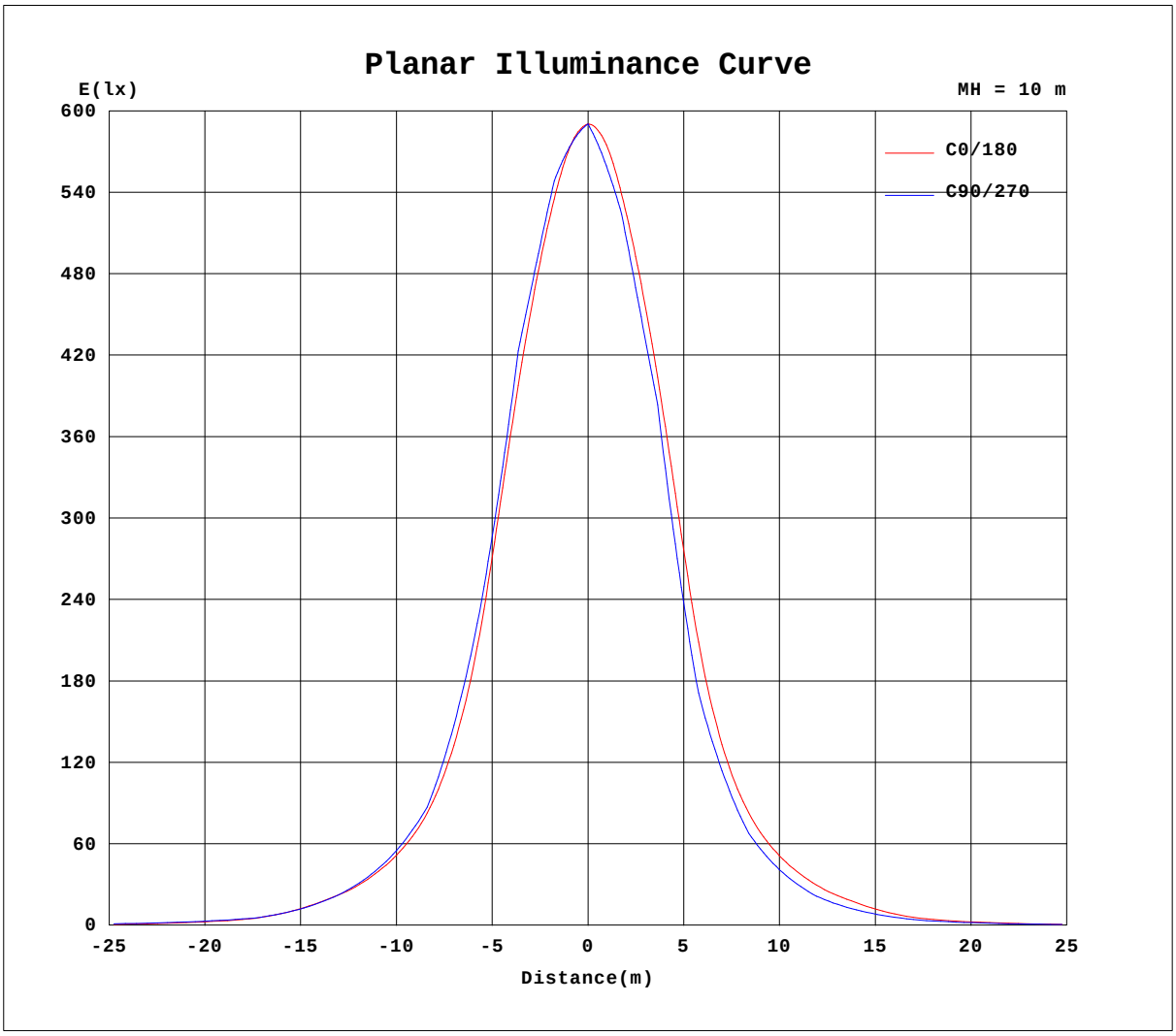
Test:U:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



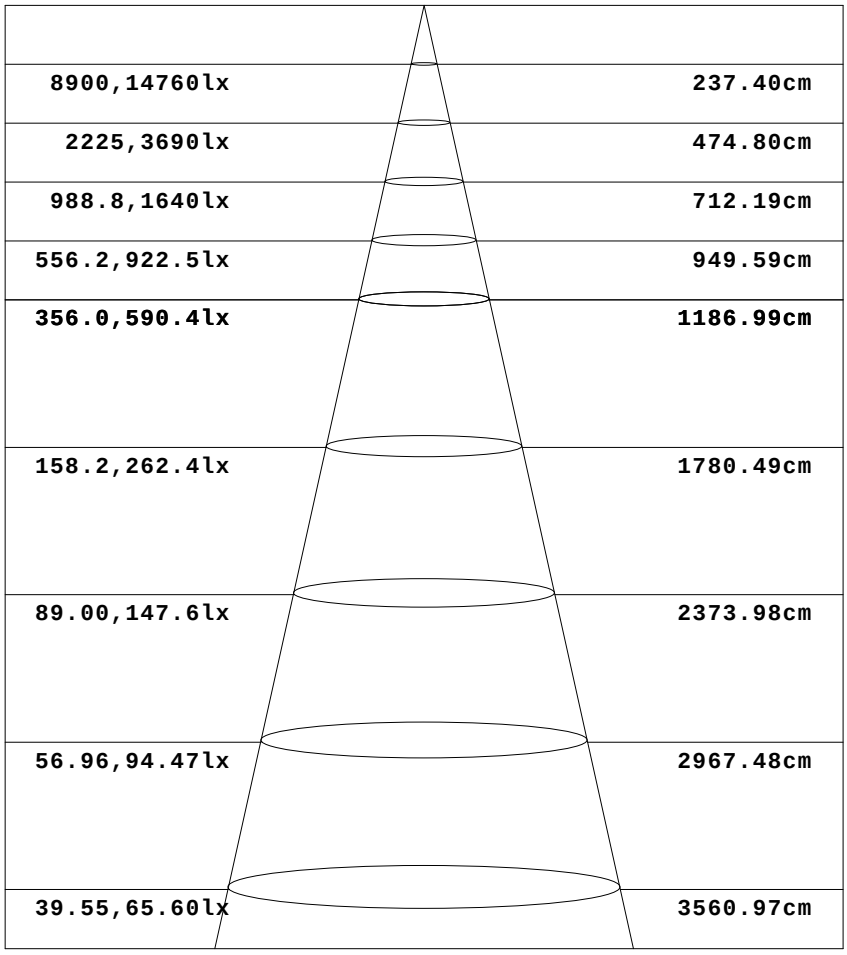
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:40376 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:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	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	20.3	23.0	25.3	27.6	30.2	33.0	35.9	38.5	41.3	43.9	46.6	49.2	51.4	52.8	53.4	53.4	53.4	54.0	54.2
-75	19.0	21.3	25.0	28.8	33.8	40.0	46.8	53.7	60.7	67.9	75.6	83.2	90.8	97.4	102	105	108	112	116
-70	20.0	24.3	28.9	35.7	44.7	54.9	66.1	77.3	88.9	101	114	126	138	148	155	160	166	175	178
-65	18.7	21.3	27.0	34.6	45.9	60.5	77.5	96.3	117	140	175	214	257	293	315	323	324	317	315
-60	19.8	25.2	33.3	46.2	64.0	85.9	111	140	171	216	284	353	420	468	488	489	473	455	452
-55	18.1	20.8	28.5	41.2	60.4	86.0	120	164	230	306	393	485	569	645	705	757	795	808	816
-50	18.7	25.1	37.3	57.8	85.8	124	179	261	378	496	615	719	812	899	986	1078	1135	1173	1184
-45	17.0	19.6	29.5	48.2	75.1	113	172	271	406	539	676	809	934	1057	1190	1333	1444	1517	1559
-40	17.2	24.6	41.5	69.1	106	167	269	438	594	743	899	1049	1205	1371	1567	1732	1847	1923	1941
-35	15.6	17.8	29.8	54.5	88.2	140	231	402	603	774	957	1139	1345	1573	1867	2175	2416	2589	2677
-30	15.5	23.5	44.8	78.0	125	210	379	616	814	1023	1231	1473	1750	2114	2545	2922	3210	3385	3425
-25	14.0	15.8	29.4	59.1	98.0	163	292	529	798	1030	1279	1566	1931	2407	3004	3536	3904	4144	4256
-20	13.6	21.9	46.8	84.1	138	250	468	787	1047	1332	1656	2078	2650	3404	4141	4623	4915	5069	5098
-15	12.3	13.6	28.3	61.0	104	178	332	610	933	1223	1536	1945	2508	3271	4087	4692	5071	5305	5415
-10	11.8	19.8	46.3	86.8	144	272	485	859	1153	1477	1874	2446	3230	4140	4827	5257	5538	5703	5737
-5	10.8	11.8	26.9	60.8	107	186	344	644	988	1300	1645	2124	2801	3696	4532	5092	5453	5700	5815
0	10.4	18.4	45.5	86.2	144	282	490	890	1193	1522	1948	2566	3402	4309	4975	5395	5689	5866	5897
5	9.81	10.5	25.2	58.4	103	180	335	624	968	1273	1608	2066	2711	3568	4405	4974	5336	5576	5687
10	9.55	16.8	42.0	80.5	135	255	459	812	1102	1409	1778	2294	3001	3881	4588	5023	5297	5450	5481
15	9.31	9.84	23.2	53.9	93.7	160	303	558	873	1145	1439	1800	2285	2944	3703	4319	4708	4944	5049
20	9.32	16.1	38.5	72.5	120	220	416	706	955	1223	1509	1854	2307	2933	3618	4122	4434	4595	4620
25	9.42	9.86	21.3	47.7	81.4	137	248	455	704	911	1135	1378	1666	2030	2505	2981	3311	3527	3625
30	9.70	15.1	33.0	61.4	100.0	170	309	514	692	869	1046	1231	1436	1680	1991	2265	2475	2606	2633
35	10.1	10.4	19.4	40.0	67.5	108	181	317	497	646	804	956	1114	1280	1479	1707	1882	2005	2070
40	10.6	14.6	27.7	50.1	78.4	124	200	341	481	610	746	867	988	1105	1244	1373	1449	1500	1512
45	11.2	11.4	17.8	32.1	52.8	80.2	124	196	303	416	529	640	739	832	919	1021	1095	1138	1163
50	11.8	14.3	22.8	37.8	57.5	84.6	123	177	262	354	447	536	604	662	713	770	797	810	816
55	12.6	12.7	16.7	25.2	38.6	55.8	78.4	108	150	206	265	337	401	458	499	531	551	553	561
60	13.4	14.7	19.4	27.7	39.1	52.7	68.1	84.8	105	128	166	218	270	307	322	321	307	303	311
65	14.0	14.1	16.2	20.3	27.0	35.7	45.5	56.3	68.1	81.7	97.6	125	154	181	197	202	200	194	197
70	14.7	15.3	17.1	20.3	24.9	30.2	35.8	41.7	47.6	53.5	59.8	66.1	72.7	77.2	80.6	82.1	83.9	86.0	87.7
75	15.2	15.2	15.9	17.3	19.5	22.3	25.4	28.6	31.9	35.1	38.5	41.8	45.5	48.7	51.0	52.2	53.0	54.1	55.1
80	15.7	15.6	16.1	16.7	17.4	18.1	18.8	19.4	20.0	20.6	21.2	21.8	22.4	22.8	23.1	23.3	23.3	23.4	23.4
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(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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:2.310A P:498.9W PF:0.9776 Freq:49.90Hz Lamp Flux:75085.3x1 lm		
NAME: ITSP4500604000	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	53.9	54.0	54.4	54.4	53.6	51.9	49.7	47.4	44.9	42.4	39.8	37.0	33.7	30.9	28.3	26.3	24.3	21.7
-75	115	111	109	107	104	98.5	91.3	83.7	76.5	69.2	62.4	55.4	48.2	41.2	35.3	30.4	27.1	23.8
-70	172	166	161	156	148	137	124	111	99.2	87.8	76.8	65.2	54.1	44.1	36.0	30.3	26.1	22.5
-65	317	324	331	328	316	288	250	210	170	138	118	97.0	78.4	61.1	47.4	36.9	30.0	25.0
-60	469	493	499	490	454	397	328	262	199	163	134	106	81.4	60.9	45.3	34.4	27.6	23.4
-55	819	814	797	755	702	636	558	473	380	296	220	159	117	84.9	61.6	43.8	32.3	25.6
-50	1164	1121	1049	958	875	785	690	573	458	338	228	159	111	79.6	55.0	37.8	28.0	23.4
-45	1555	1506	1425	1302	1166	1042	920	793	658	523	385	250	162	110	76.0	50.5	33.6	25.3
-40	1896	1801	1664	1481	1306	1153	1001	854	694	546	374	224	145	97.5	64.5	40.3	27.4	22.9
-35	2667	2555	2368	2108	1804	1541	1325	1128	943	761	586	372	215	134	88.5	56.5	34.2	24.2
-30	3327	3101	2780	2370	1970	1660	1408	1184	970	774	538	308	178	111	72.2	42.2	26.2	21.9
-25	4239	4089	3819	3413	2853	2300	1866	1527	1253	1003	776	486	267	154	97.6	60.5	33.8	22.5
-20	5003	4781	4412	3807	3046	2391	1898	1533	1238	962	663	374	205	121	76.6	42.6	24.2	20.3
-15	5392	5243	4973	4546	3877	3075	2385	1868	1491	1184	905	554	304	169	103	61.9	32.4	20.4
-10	5633	5412	5073	4538	3748	2887	2214	1724	1373	1056	741	395	230	126	77.8	42.0	22.1	18.5
-5	5789	5631	5357	4953	4319	3456	2644	2024	1587	1260	960	583	319	174	103	60.8	30.3	18.2
0	5790	5546	5197	4672	3890	2998	2288	1754	1398	1079	757	389	231	124	75.1	39.3	19.6	16.6
5	5662	5510	5237	4830	4191	3335	2555	1961	1545	1227	938	569	308	166	97.9	57.2	27.6	16.1
10	5383	5173	4831	4285	3493	2686	2069	1627	1302	1006	703	379	209	114	69.7	35.9	17.3	14.7
15	5025	4880	4599	4160	3506	2769	2167	1716	1384	1099	843	518	275	149	88.1	51.5	24.5	14.2
20	4523	4285	3890	3290	2627	2092	1691	1382	1125	873	604	336	175	99.9	60.7	30.9	15.0	13.2
25	3606	3473	3222	2855	2373	1930	1592	1322	1093	871	673	422	224	125	76.3	44.5	21.5	12.8
30	2557	2385	2150	1849	1560	1345	1153	977	797	633	439	246	140	83.8	51.9	26.7	13.5	12.1
35	2060	1978	1840	1651	1428	1241	1080	928	775	619	469	290	165	99.5	62.7	36.9	18.9	12.1
40	1481	1416	1322	1181	1061	942	823	698	562	431	283	164	103	66.0	40.9	22.3	12.6	11.8
45	1159	1127	1078	996	899	815	722	620	506	395	281	177	113	74.3	48.6	29.3	16.9	12.1
50	804	784	747	689	638	578	504	408	316	225	150	105	73.1	49.7	31.6	19.3	12.8	12.2
55	561	550	545	523	490	447	389	321	252	193	139	100	72.6	52.1	35.7	23.2	15.6	12.7
60	304	312	320	317	294	249	198	145	116	96.6	76.8	61.4	46.5	33.8	23.8	16.9	13.5	13.2
65	197	195	199	201	195	177	148	119	93.0	78.1	65.3	53.4	43.0	33.5	25.3	19.0	15.2	13.8
70	85.7	83.2	81.1	79.6	76.3	70.8	63.6	57.5	50.8	44.9	38.9	33.1	27.9	22.9	18.6	15.9	14.5	14.4
75	55.2	54.0	52.8	51.8	50.7	48.5	44.9	41.2	37.7	34.1	30.9	27.5	24.4	21.5	18.8	16.7	15.4	14.9
80	23.3	23.3	23.2	23.0	22.7	22.1	21.5	20.8	20.2	19.5	18.8	18.1	17.4	16.8	16.2	15.7	15.4	15.4
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(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: