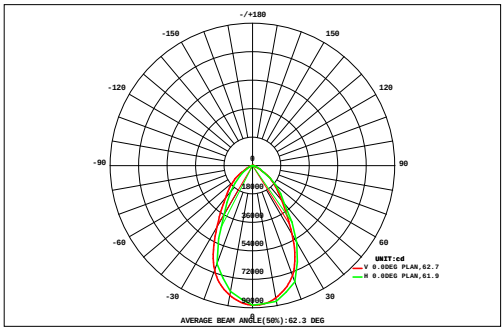
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		784.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	111.3V x 115.7H
	At 50% of Imax	61.9V x 62.7H
	At 90% of Imax	30.2V x 29.8H
Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	932.0 lumens per klm.
	To 50% of Imax	549.5 lumens per klm.
	To 90% of Imax	153.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.21lm/W	
MODEL		Imax(cd)	88241
NOMINAL POWER(W)	750	AVAILABILITY(%)	93.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	105407
NOMINAL FLUX(lm)	112553	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	112553
TEST VOLTAGE(V)	220.6	q @50%(H,V)	63,62DEG

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	0.77	2.50	4.77	7.53	10.6	13.8	16.7	18.5	19.9	20.3	18.5	16.8	14.0	10.7	7.54	4.79	2.53	0.77	191	0.00
70	0.61	2.51	6.59	13.3	22.6	36.7	54.6	63.5	66.1	66.8	62.6	55.9	38.8	23.4	13.7	6.87	2.63	0.61	538	0.00
60	0.60	3.39	11.1	26.8	57.0	106	160	192	202	203	193	163	110	61.1	28.8	11.8	3.67	0.63	1533	262
50	0.60	4.56	17.3	53.2	130	227	321	409	458	461	417	329	234	136	58.5	18.8	5.02	0.69	3282	2695
40	0.63	5.88	24.7	92.9	214	355	515	702	828	834	716	529	367	223	101	27.6	6.52	0.78	5544	5215
30	0.68	7.16	33.4	136	300	510	810	1207	1454	1459	1228	841	530	315	149	38.3	8.12	0.91	9028	8805
20	0.74	8.28	42.0	177	401	720	1275	1924	2246	2243	1923	1308	748	419	194	47.4	9.48	1.04	13686	13501
10	0.79	9.17	47.2	197	449	854	1593	2255	2551	2550	2254	1614	888	469	215	52.9	10.6	1.18	16012	15833
0	0.87	9.69	49.6	207	470	911	1688	2335	2648	2647	2335	1700	938	489	224	55.4	11.3	1.29	16720	16544
-10	0.93	9.67	48.0	198	446	842	1543	2192	2497	2495	2197	1558	861	464	213	54.0	11.3	1.36	15631	15452
-20	0.99	9.26	43.9	176	385	684	1186	1753	2049	2051	1757	1181	688	396	186	48.4	10.8	1.41	12606	12412
-30	1.03	8.46	36.4	135	289	482	737	1070	1299	1299	1068	734	489	300	143	39.4	9.86	1.42	8142	7903
-40	1.04	7.41	28.1	91.3	201	334	474	617	703	701	612	471	338	207	94.3	29.4	8.54	1.37	4918	4538
-50	1.04	6.17	20.6	54.8	123	213	300	371	403	400	367	300	216	125	54.4	21.4	6.95	1.30	2984	2245
-60	1.01	4.95	14.0	29.0	51.7	93.3	137	151	141	142	149	134	91.1	49.9	28.2	14.5	5.39	1.20	1239	0.00
-70	0.96	3.85	8.80	15.7	23.2	29.5	35.5	41.1	49.1	49.5	41.6	35.3	28.6	22.4	15.7	8.95	4.03	1.07	415	0.00
-80	0.48	1.65	3.04	4.51	5.94	7.04	7.44	7.27	6.89	6.58	7.03	6.83	6.31	5.36	4.09	2.73	1.52	0.47	85.2	0.00
-90																				
F t	13.8	105	440	1616	3579	6418	10854	15307	17621	17628	15346	10978	6585	3715	1730	483	118	17.5	112553	---
F a	0.00	0.00	0.00	914	3049	5967	10381	14855	17178	17196	14929	10539	6105	3215	1078	0.00	0.00	0.00	---	105407

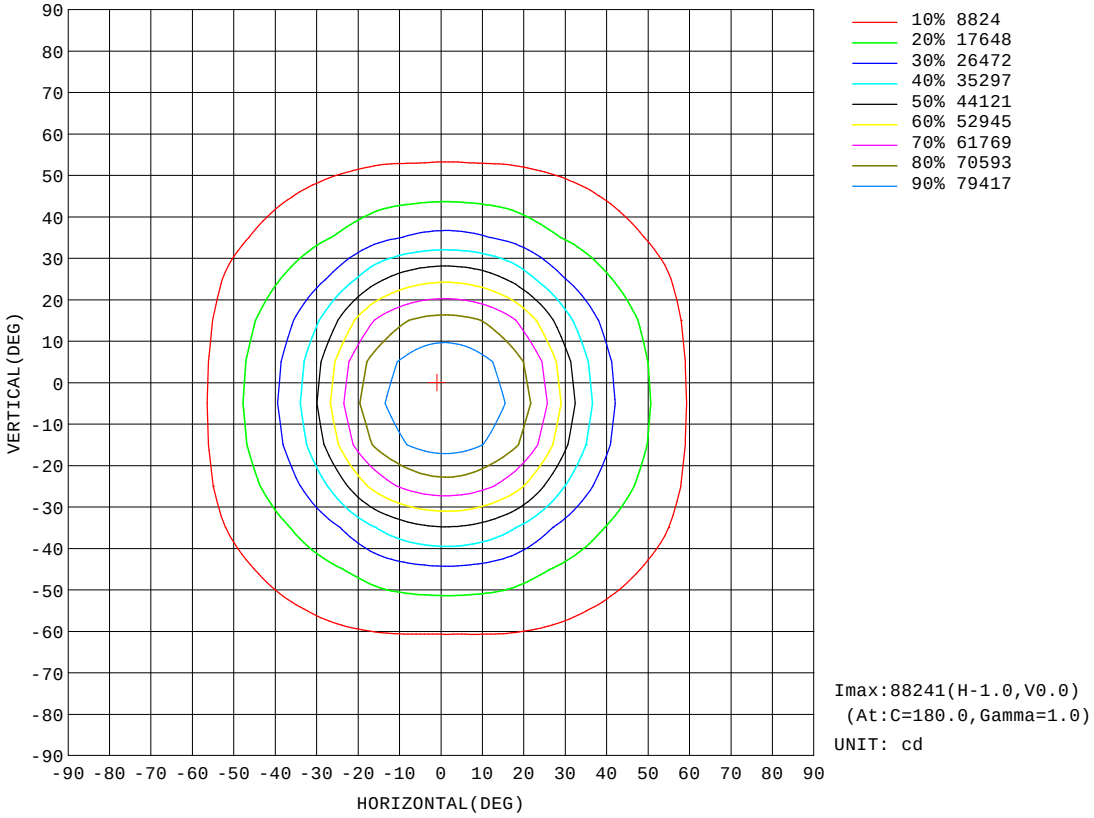
one-half-peak spread: U:35.0,D:27.2 , L:31.4,R:31.7 **NEMA Beam Type: Type 6**

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:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

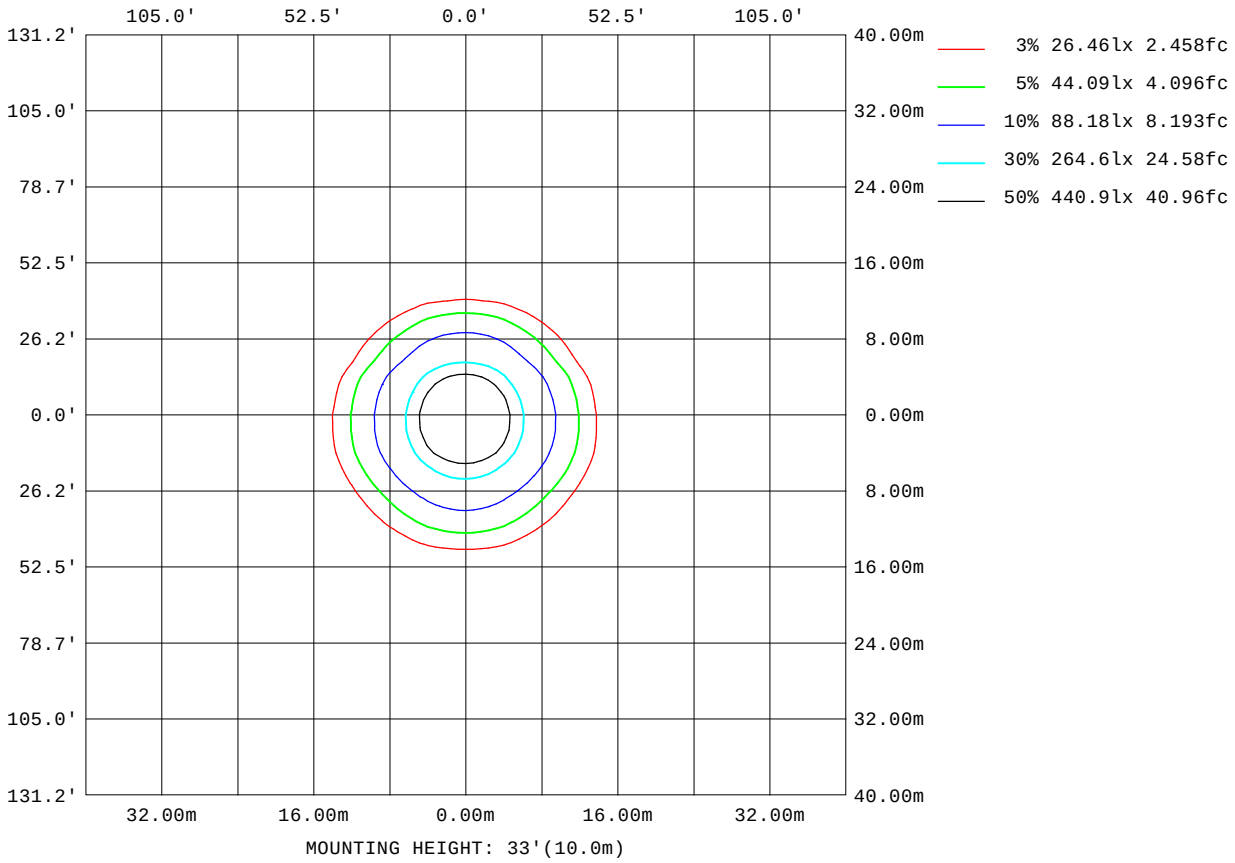


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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

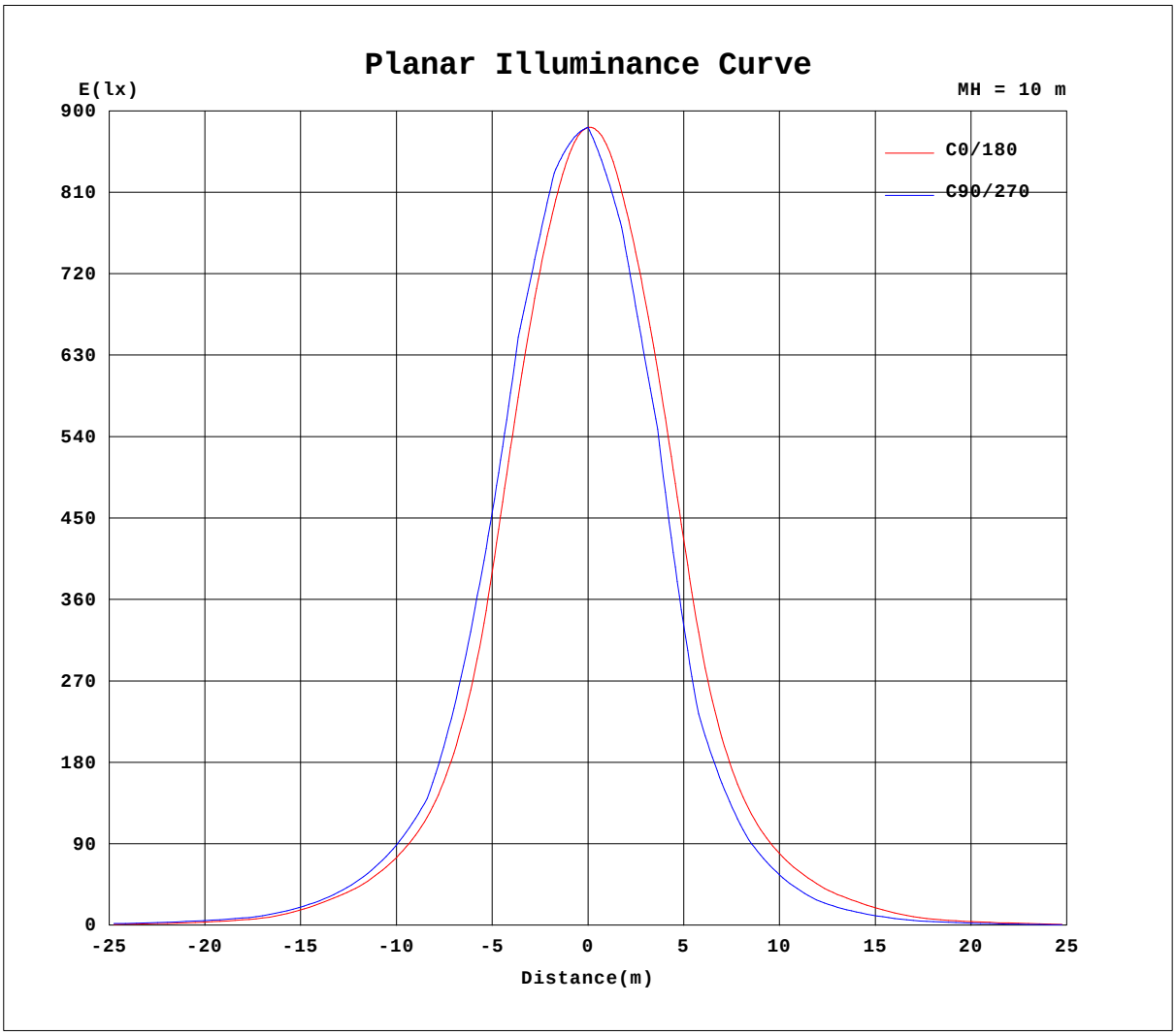
Test:U:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



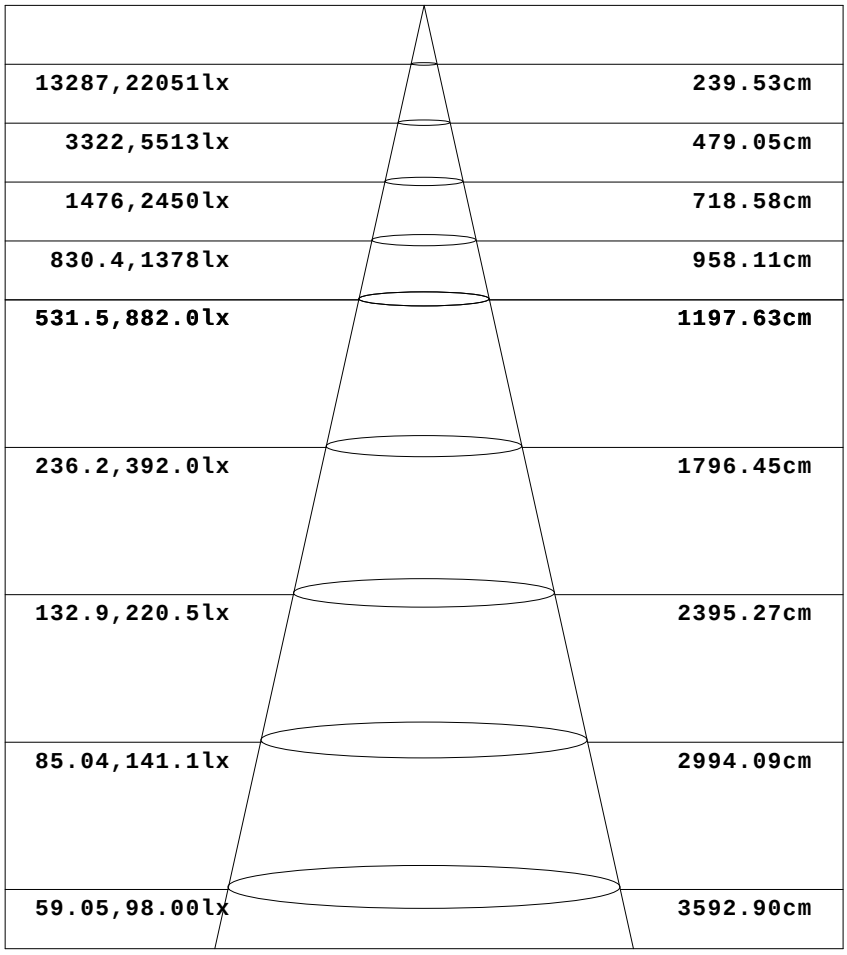
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:18 February 2023

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:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:60282 lm



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

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:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	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	30.1	34.1	38.7	43.0	47.9	53.2	58.9	64.5	69.8	75.1	80.4	85.0	89.5	92.2	94.1	94.4	94.9	95.6	96.2
-75	29.2	32.2	38.8	45.5	54.6	65.4	77.4	90.3	102	115	128	142	156	169	179	185	189	196	204
-70	29.4	35.5	43.8	54.8	69.8	87.1	106	126	144	165	187	210	234	254	269	278	287	302	312
-65	28.5	32.2	42.1	55.4	75.0	99.5	129	163	198	242	307	372	442	500	538	551	553	544	540
-60	29.0	36.3	49.7	70.3	98.6	134	176	229	280	370	477	593	699	783	823	829	811	778	770
-55	27.4	31.4	44.9	66.7	99.0	141	199	279	394	523	668	812	946	1066	1164	1253	1311	1333	1341
-50	27.4	35.9	54.9	86.5	129	189	277	416	607	792	978	1142	1292	1434	1580	1738	1834	1895	1916
-45	25.5	29.4	46.8	78.5	123	186	286	458	680	886	1102	1309	1508	1710	1928	2168	2343	2459	2518
-40	25.2	35.1	60.1	103	158	251	409	677	921	1150	1398	1636	1883	2157	2473	2756	2957	3088	3124
-35	23.3	26.8	47.9	89.0	143	230	388	681	994	1262	1555	1854	2190	2585	3085	3592	3980	4249	4363
-30	22.7	33.3	64.3	115	184	313	573	952	1274	1606	1944	2332	2789	3397	4121	4764	5251	5539	5612
-25	20.8	23.8	48.1	96.4	158	268	489	883	1289	1660	2056	2527	3136	3940	4902	5692	6234	6580	6719
-20	19.9	30.9	66.9	123	205	370	684	1178	1579	2021	2516	3170	4067	5247	6375	7101	7540	7780	7832
-15	18.2	20.8	46.9	100	169	296	546	1010	1478	1932	2427	3087	4009	5231	6448	7285	7809	8134	8272
-10	17.2	27.8	65.9	126	211	402	701	1280	1725	2218	2814	3676	4856	6240	7287	7944	8376	8645	8708
-5	16.0	18.2	45.0	99.2	172	309	555	1060	1546	2028	2568	3331	4400	5778	6981	7764	8277	8624	8765
0	15.3	25.6	64.1	124	210	407	697	1303	1755	2252	2871	3768	4990	6361	7395	8043	8488	8770	8818
5	14.5	16.5	42.1	94.3	164	293	537	1014	1496	1961	2475	3180	4165	5455	6671	7475	7988	8319	8449
10	14.2	23.6	58.9	115	193	362	661	1176	1602	2056	2588	3309	4308	5596	6693	7370	7789	8022	8076
15	13.9	15.6	38.6	86.4	147	257	489	896	1338	1744	2179	2713	3423	4387	5476	6335	6887	7212	7344
20	14.0	22.6	53.5	102	170	309	592	1013	1374	1765	2168	2635	3237	4071	5026	5800	6294	6555	6608
25	14.2	15.7	34.9	75.7	127	214	392	709	1057	1355	1679	2025	2430	2941	3602	4246	4698	4987	5105
30	14.6	21.5	45.7	86.3	139	235	419	707	962	1210	1460	1716	1999	2314	2723	3093	3374	3555	3601
35	15.2	16.4	31.2	62.6	104	166	276	478	729	940	1167	1382	1602	1830	2107	2404	2626	2782	2855
40	16.0	21.0	38.3	69.3	109	171	271	460	665	853	1049	1220	1388	1552	1735	1910	2018	2091	2110
45	16.9	17.8	28.1	49.5	79.7	121	184	286	434	591	748	900	1039	1167	1290	1422	1506	1556	1586
50	17.9	21.0	32.0	52.2	79.7	116	164	230	330	450	572	697	795	879	951	1018	1037	1052	1064
55	19.1	19.6	25.8	38.2	57.3	82.0	113	152	204	277	353	442	528	602	655	696	708	710	729
60	20.2	22.0	27.7	38.3	53.0	70.8	91.1	112	135	164	202	263	326	373	394	391	377	383	397
65	21.2	21.4	24.5	30.2	39.3	50.8	63.6	77.5	91.9	109	128	158	192	225	242	246	241	240	252
70	22.1	22.9	25.0	28.7	34.2	40.6	47.3	54.6	61.8	68.4	75.7	82.3	88.4	92.9	95.8	97.4	100	106	110
75	22.8	22.7	23.8	25.6	28.4	31.9	35.4	39.3	43.2	46.8	50.5	54.4	57.8	60.8	62.7	63.7	64.7	67.3	69.9
80	23.4	23.3	23.9	24.5	25.3	26.0	26.6	27.1	27.6	28.2	28.8	29.3	29.9	30.3	30.6	30.6	30.6	30.7	30.7
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:220.3V I:3.511A P:749.3W PF:0.9685 Freq:49.90Hz Lamp Flux:112553x1 lm		
NAME: ITSP4750604000	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	95.4	94.7	94.6	94.0	91.8	88.7	84.2	79.5	74.3	69.3	64.1	58.8	52.9	47.7	43.2	39.9	36.6	32.9
-75	200	192	188	184	177	165	151	137	123	110	98.8	86.7	74.3	62.6	53.0	45.4	40.2	35.0
-70	298	286	278	269	253	231	207	183	162	142	124	105	85.9	69.4	55.9	46.4	39.6	34.2
-65	541	550	557	550	524	474	410	342	277	219	184	150	120	92.4	70.7	54.4	44.2	36.7
-60	791	822	831	816	760	668	556	450	339	267	218	170	130	96.5	71.0	53.1	41.9	35.6
-55	1340	1328	1295	1217	1125	1014	889	753	605	464	343	243	176	127	90.8	63.8	47.1	37.5
-50	1884	1815	1703	1546	1406	1263	1117	933	752	562	377	258	177	126	86.5	58.9	42.6	35.7
-45	2500	2409	2268	2055	1827	1624	1429	1230	1017	804	588	374	241	162	111	72.7	48.6	37.0
-40	3058	2902	2681	2373	2081	1828	1588	1357	1107	877	615	366	231	154	102	63.2	42.1	34.9
-35	4325	4125	3794	3346	2833	2399	2048	1736	1446	1159	882	547	314	195	128	80.4	48.8	35.5
-30	5470	5110	4583	3903	3213	2673	2254	1885	1549	1232	875	507	284	173	113	66.3	40.7	33.2
-25	6665	6405	5954	5291	4387	3513	2833	2309	1891	1501	1148	698	380	220	140	84.8	47.3	33.1
-20	7700	7384	6858	5994	4817	3766	2966	2385	1926	1493	1052	593	327	189	119	66.8	38.1	30.6
-15	8208	7954	7526	6853	5800	4563	3530	2760	2207	1741	1321	772	427	233	145	85.5	44.5	30.0
-10	8557	8228	7732	6957	5791	4467	3421	2651	2112	1628	1162	615	361	196	120	65.5	34.7	27.6
-5	8699	8429	7996	7352	6344	5015	3836	2938	2319	1833	1388	790	444	235	144	83.0	41.1	26.9
0	8674	8321	7810	7036	5881	4541	3469	2664	2123	1640	1170	599	358	191	116	61.3	31.2	24.8
5	8387	8134	7702	7047	6021	4729	3632	2805	2227	1761	1337	763	420	225	136	77.3	37.0	23.8
10	7943	7642	7140	6329	5150	3971	3073	2429	1953	1510	1068	578	319	174	106	55.4	27.5	21.9
15	7281	7034	6575	5866	4877	3842	3035	2429	1974	1556	1184	693	366	202	122	68.9	32.7	21.0
20	6466	6111	5521	4661	3748	3018	2468	2037	1668	1297	904	505	263	150	91.7	47.4	23.9	19.6
25	5054	4836	4449	3888	3220	2653	2209	1850	1535	1214	922	556	295	167	104	59.1	28.8	19.1
30	3508	3287	2981	2579	2199	1912	1648	1400	1143	909	635	357	207	124	77.7	40.3	21.3	18.2
35	2828	2708	2515	2246	1952	1714	1495	1286	1063	844	619	373	216	132	84.1	48.3	25.5	18.1
40	2073	1987	1856	1669	1503	1339	1175	995	802	606	396	233	148	96.1	60.2	33.4	19.7	17.7
45	1575	1532	1469	1352	1227	1107	976	827	666	512	357	226	148	98.7	64.3	38.5	23.3	18.2
50	1048	1033	1001	929	858	772	662	533	409	291	205	146	104	71.2	45.9	28.5	19.8	18.4
55	722	706	704	675	630	568	487	392	311	238	173	130	94.8	68.4	47.1	31.2	22.3	19.3
60	379	379	390	385	358	299	239	184	153	126	104	83.4	64.2	47.5	34.1	25.1	20.7	20.0
65	248	238	241	242	232	208	173	139	116	99.3	82.9	69.1	55.7	44.0	33.8	26.3	22.4	21.0
70	105	99.0	95.6	94.0	91.1	85.9	79.2	71.9	64.7	57.8	50.6	43.8	37.8	31.8	26.8	23.6	22.1	21.9
75	69.1	65.9	63.5	62.5	61.3	59.0	55.5	51.8	47.6	43.9	40.0	36.2	32.7	29.4	26.4	24.1	23.0	22.6
80	30.6	30.5	30.4	30.4	30.0	29.5	28.8	28.1	27.5	26.8	26.2	25.6	25.0	24.5	24.0	23.4	23.3	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
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: