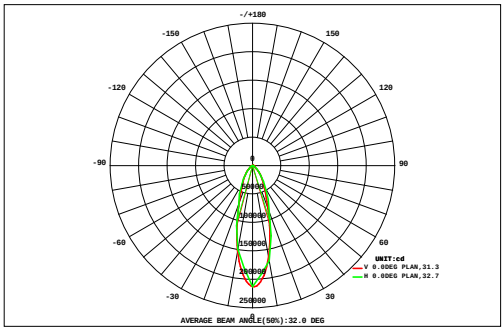
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1904.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	78.6V x 78.8H
	At 50% of Imax	32.7V x 31.3H
	At 90% of Imax	8.4V x 11.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	814.4 lumens per klm.
	To 50% of Imax	316.0 lumens per klm.
	To 90% of Imax	33.5 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:149.35lm/W	
MODEL		Imax(cd)	212937
NOMINAL POWER(W)	750	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	91591
NOMINAL FLUX(lm)	111808	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	111808
TEST VOLTAGE(V)	221.0	q @50%(H,V)	31,33DEG

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	0.57	1.91	3.85	6.61	10.2	14.2	17.9	21.0	23.1	23.3	21.7	18.8	15.2	11.3	7.43	4.26	2.03	0.58	204	0.00
70	0.44	2.03	5.90	13.0	23.1	34.7	46.5	57.0	64.1	64.6	58.3	48.3	36.8	25.5	15.0	7.01	2.40	0.46	505	0.00
60	0.44	2.90	10.0	23.2	42.1	65.1	93.8	127	151	152	130	97.4	68.5	45.3	26.0	11.7	3.58	0.50	1051	0.00
50	0.46	4.00	14.7	34.7	65.6	117	199	298	361	364	305	208	124	70.5	38.0	17.0	5.06	0.60	2226	0.00
40	0.50	5.22	19.7	47.5	105	232	437	649	782	791	664	453	243	114	52.1	22.8	6.73	0.74	4625	2161
30	0.55	6.43	24.7	62.7	173	411	783	1173	1522	1551	1214	803	422	184	69.2	28.4	8.45	0.94	8438	7111
-30	0.61	7.48	28.8	78.7	244	574	1108	1891	2899	3015	2034	1136	579	253	86.6	33.1	9.95	1.12	13979	12869
-40	0.68	8.27	31.7	91.5	295	686	1372	2841	4939	5138	3075	1406	682	301	99.2	36.3	10.9	1.26	21015	20042
-50	0.74	8.64	32.7	95.7	308	706	1444	3176	5569	5684	3290	1432	691	307	101	37.0	11.2	1.32	22897	21927
-60	0.79	8.50	31.5	88.2	271	626	1229	2324	3724	3720	2276	1194	612	268	92.2	35.6	10.9	1.36	16514	15450
-70	0.85	7.98	28.7	74.6	208	477	898	1370	1777	1724	1287	868	462	204	77.4	32.7	10.3	1.37	9510	8246
-80	0.90	7.20	24.7	59.3	139	304	558	805	939	918	778	543	293	137	63.0	28.5	9.17	1.35	5608	3785
-90	0.94	6.22	20.0	45.5	86.1	157	266	381	441	436	370	254	150	86.8	49.3	23.1	7.77	1.29	2782	0.00
	0.93	5.06	15.0	32.7	57.9	87.1	123	165	195	194	162	121	87.7	60.7	36.2	17.3	6.17	1.19	1368	0.00
	0.90	4.00	10.3	21.0	35.5	51.0	65.0	75.3	81.0	81.0	75.0	65.1	51.9	37.1	22.9	11.6	4.58	1.05	694	0.00
	0.84	3.08	6.45	11.3	17.5	24.0	30.1	34.8	37.9	38.1	34.8	30.1	24.3	18.1	11.9	6.83	3.29	0.92	334	0.00
	0.41	1.31	2.19	3.03	3.73	4.32	4.76	4.97	5.00	4.90	4.76	4.54	4.09	3.50	2.83	2.08	1.25	0.40	58.1	0.00
F t	11.5	90.2	311	789	2084	4570	8676	15394	23511	23900	15780	8683	4546	2128	850	355	114	16.4	111808	---
F a	0.00	0.00	0.00	0.00	78.0	2385	7165	13838	21926	22313	14339	7123	2389	35.6	0.00	0.00	0.00	0.00	---	91591

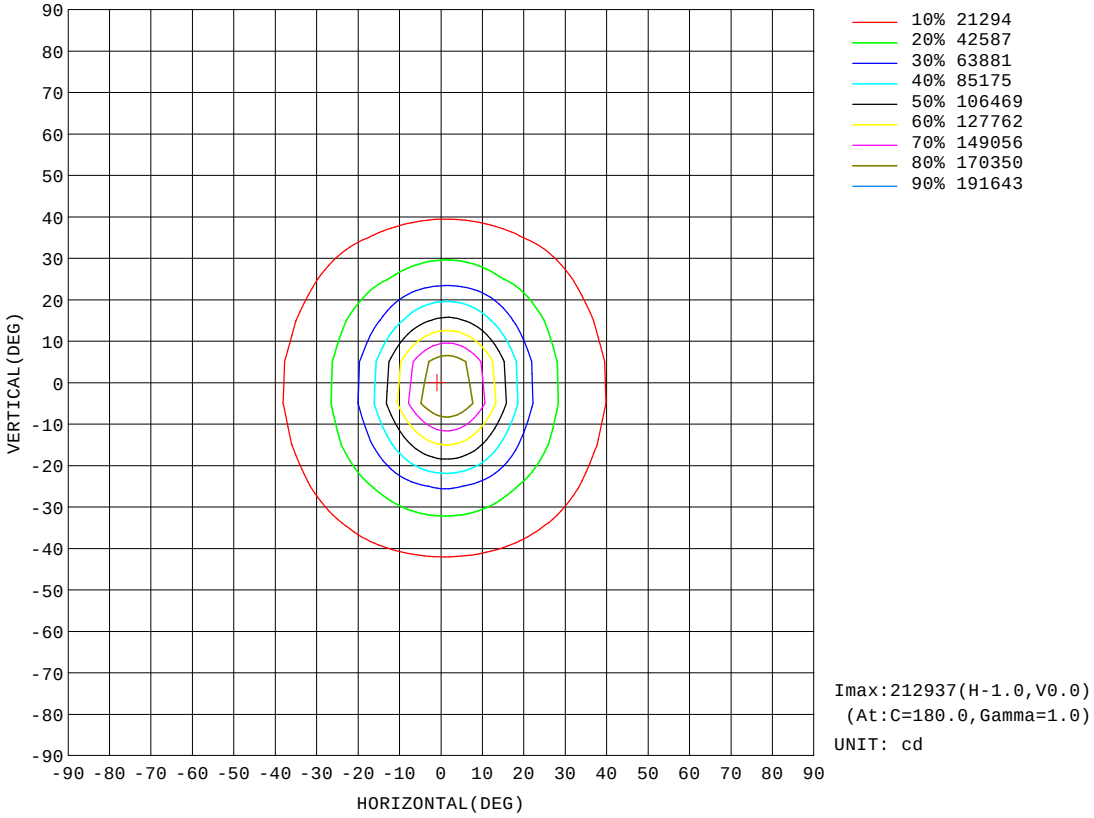
one-half-peak spread: U:17.5,D:15.5 , L:15.5,R:16.1 **NEMA Beam Type: Type 5**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 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:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

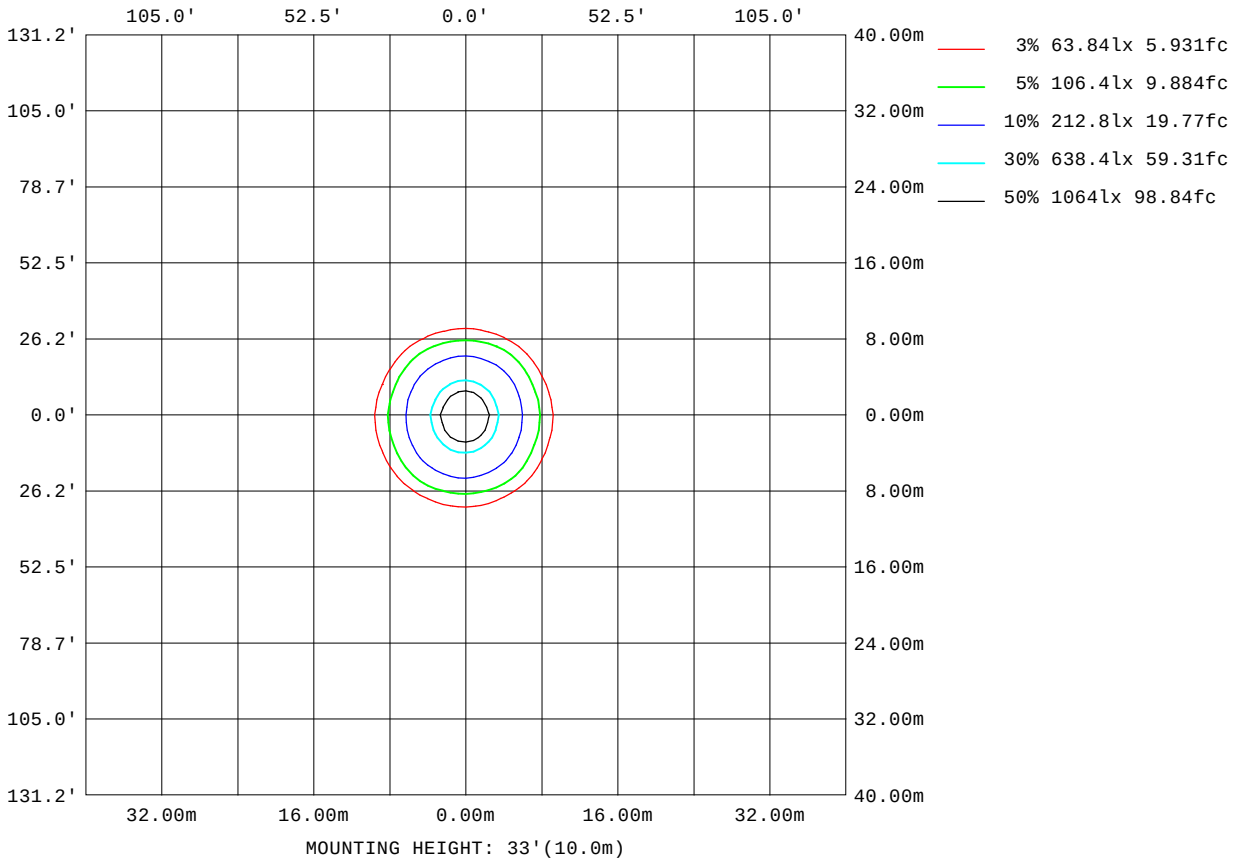


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

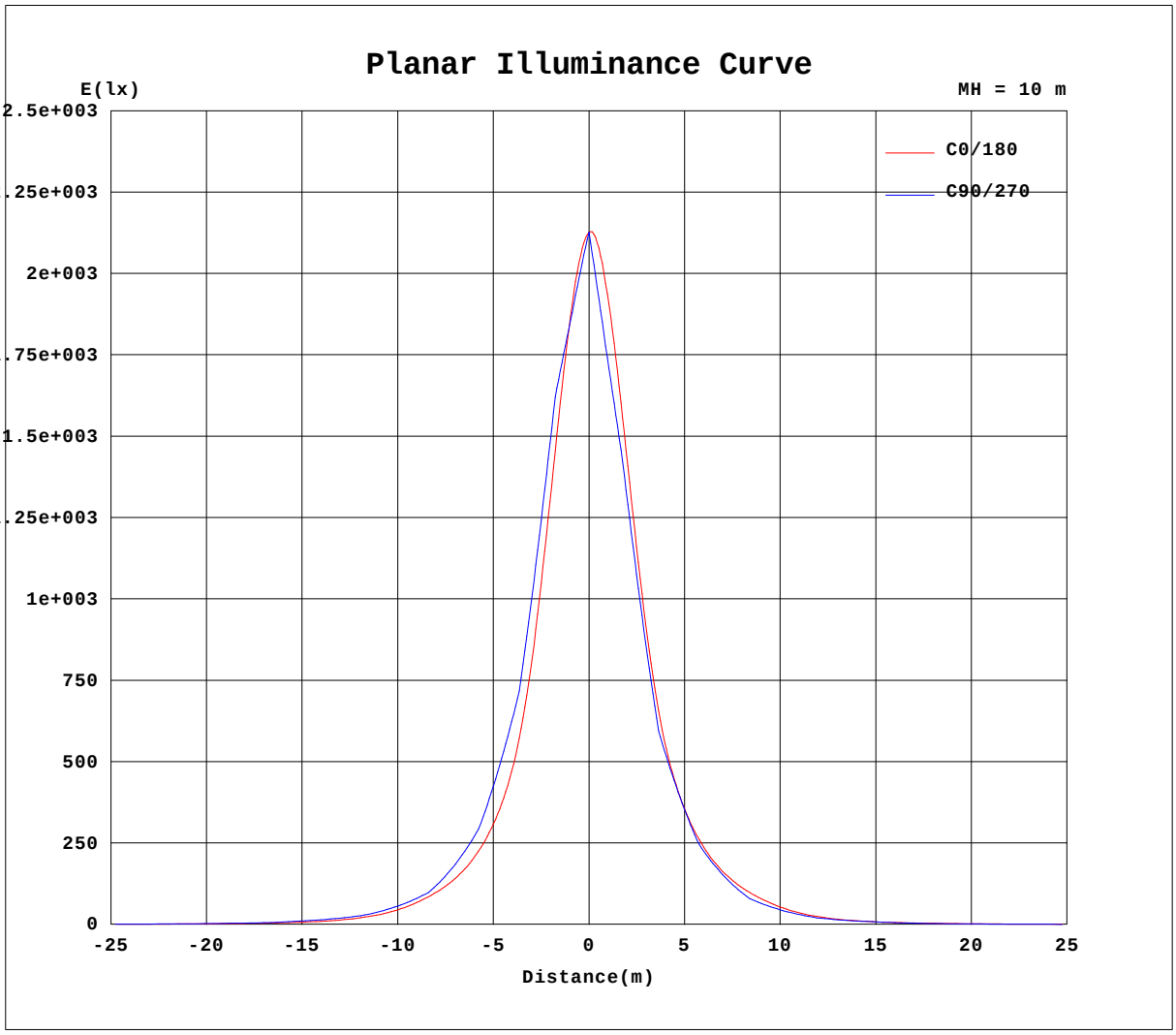
Test:U:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



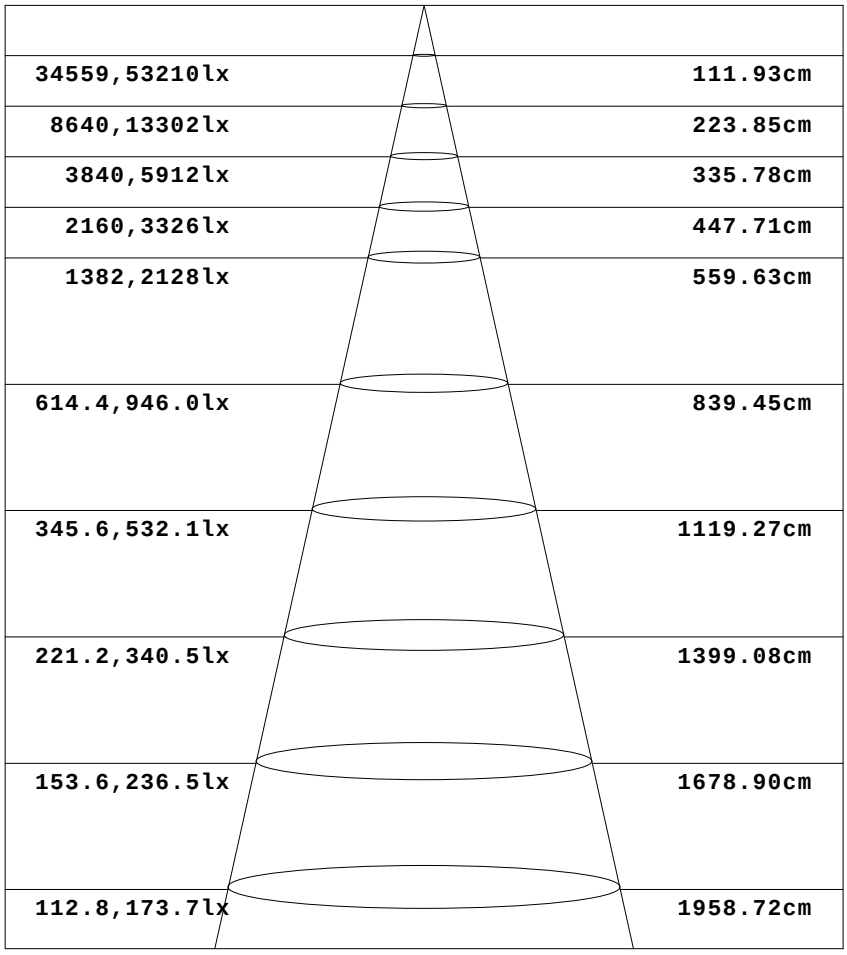
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:35708 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:17 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×100cd

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	2.65	2.97	3.24	3.45	3.67	3.89	4.15	4.43	4.73	5.03	5.32	5.60	5.85	6.08	6.29	6.44	6.57	6.69	6.74
-75	2.66	2.90	3.32	3.73	4.24	4.86	5.56	6.35	7.24	8.17	9.04	9.85	10.6	11.3	12.0	12.5	13.1	13.4	13.7
-70	2.76	3.19	3.72	4.39	5.29	6.36	7.60	8.94	10.5	12.0	13.4	14.7	16.0	17.1	18.2	19.1	19.9	20.4	20.7
-65	2.69	2.97	3.66	4.58	5.87	7.46	9.30	11.4	13.6	16.1	18.3	20.5	22.6	24.7	26.7	28.5	30.0	31.1	31.7
-60	2.73	3.27	4.23	5.73	7.67	9.94	12.6	15.5	18.7	21.9	25.0	27.9	30.9	33.8	36.7	39.2	41.1	42.4	42.8
-55	2.64	2.92	3.92	5.58	7.89	10.7	13.9	17.6	21.7	26.1	30.5	35.4	41.0	47.3	54.4	61.2	66.9	71.0	72.8
-50	2.64	3.27	4.75	7.15	10.3	13.9	18.1	22.8	28.1	33.7	39.9	47.2	55.9	66.2	77.9	88.1	96.4	102	103
-45	2.49	2.74	4.14	6.65	10.0	14.1	18.8	24.3	30.6	38.1	48.5	61.5	77.1	96.1	117	135	149	158	162
-40	2.40	3.15	5.29	8.70	12.9	17.8	23.8	30.5	38.6	50.0	67.0	87.6	113	143	171	193	209	218	220
-35	2.18	2.39	4.23	7.57	12.1	17.3	23.6	31.0	40.9	57.3	81.2	111	146	189	233	270	301	325	336
-30	1.99	2.82	5.51	9.85	15.2	21.4	28.9	38.5	54.3	81.9	118	161	213	273	326	372	414	444	452
-25	1.78	1.98	4.21	8.27	13.7	20.1	27.6	37.3	54.1	84.1	125	173	233	305	378	453	539	618	658
-20	1.61	2.54	5.74	10.8	17.0	24.3	33.2	46.8	74.7	117	169	230	309	396	487	601	733	836	865
-15	1.47	1.65	4.14	8.70	14.8	21.9	30.4	42.5	67.4	109	164	227	306	406	526	699	934	1157	1276
-10	1.36	2.29	5.74	11.3	18.1	25.9	35.8	53.7	90.0	144	208	281	379	505	687	976	1328	1606	1697
-5	1.25	1.41	3.99	8.80	15.2	22.7	31.8	45.4	75.2	124	188	257	346	467	641	929	1320	1691	1902
0	1.17	2.09	5.62	11.2	18.1	26.3	36.5	56.0	94.6	153	221	296	401	550	793	1180	1630	1993	2128
5	1.10	1.23	3.74	8.45	14.7	22.1	31.0	44.2	73.0	121	183	251	339	457	623	891	1254	1600	1798
10	1.05	1.89	5.16	10.5	17.0	24.6	34.0	50.6	84.6	136	198	269	365	481	637	879	1173	1409	1490
15	1.03	1.13	3.39	7.68	13.4	20.2	28.3	39.3	61.9	101	153	212	288	382	487	630	819	1000	1099
20	1.01	1.74	4.62	9.26	15.0	21.9	30.0	41.9	66.6	105	154	211	284	364	438	525	621	696	719
25	1.04	1.11	3.00	6.65	11.6	17.4	24.3	32.8	47.1	73.4	110	155	209	274	337	395	459	517	547
30	1.06	1.63	3.93	7.71	12.6	18.2	24.8	32.8	45.6	69.1	101	139	185	236	281	316	348	371	378
35	1.12	1.18	2.61	5.47	9.41	14.0	19.4	25.7	33.7	46.8	66.7	92.3	123	160	197	226	251	269	278
40	1.18	1.58	3.27	6.14	9.77	13.9	18.8	24.4	30.6	38.8	52.0	68.6	88.7	114	138	157	170	177	180
45	1.25	1.28	2.25	4.28	7.12	10.5	14.5	18.9	23.8	29.5	37.1	47.2	59.4	74.5	91.8	107	118	126	129
50	1.30	1.53	2.62	4.54	7.06	10.1	13.5	17.3	21.3	25.5	29.9	35.1	41.3	49.0	58.1	66.3	73.3	77.8	78.9
55	1.37	1.39	1.97	3.21	5.04	7.27	9.89	12.8	16.0	19.2	22.5	26.0	30.0	34.6	40.1	45.4	50.1	53.5	55.0
60	1.43	1.56	2.14	3.23	4.70	6.47	8.55	10.8	13.2	15.5	17.8	20.1	22.2	24.4	26.5	28.5	29.9	30.8	31.1
65	1.51	1.52	1.81	2.40	3.32	4.49	5.85	7.40	9.10	10.8	12.5	14.1	15.7	17.2	18.7	20.0	21.2	22.0	22.4
70	1.59	1.65	1.87	2.26	2.83	3.54	4.38	5.33	6.40	7.48	8.53	9.50	10.4	11.3	12.0	12.6	13.1	13.5	13.7
75	1.67	1.67	1.76	1.95	2.24	2.61	3.05	3.55	4.11	4.70	5.29	5.84	6.36	6.84	7.25	7.60	7.93	8.18	8.33
80	1.74	1.74	1.78	1.85	1.93	2.01	2.10	2.20	2.30	2.40	2.50	2.59	2.68	2.76	2.83	2.89	2.94	2.98	2.99
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:17 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:221.9V I:3.452A P:748.6W PF:0.9772 Freq:49.89Hz Lamp Flux:111808x1 lm		
NAME: ITSP4750304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×100cd

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	6.71	6.61	6.48	6.34	6.15	5.94	5.70	5.44	5.18	4.90	4.60	4.32	4.04	3.79	3.56	3.36	3.11	2.78
-75	13.7	13.4	12.9	12.4	11.9	11.2	10.5	9.79	9.03	8.21	7.34	6.47	5.68	4.96	4.35	3.85	3.46	3.04
-70	20.5	20.0	19.0	18.1	17.1	16.0	14.8	13.5	12.2	10.8	9.33	7.97	6.72	5.62	4.71	4.01	3.47	3.02
-65	31.6	30.8	29.5	27.9	26.1	24.2	22.1	20.1	18.1	15.9	13.7	11.5	9.41	7.58	6.02	4.77	3.89	3.24
-60	42.2	40.8	38.8	36.3	33.6	30.7	27.9	25.1	22.2	19.3	16.2	13.3	10.6	8.22	6.26	4.74	3.71	3.16
-55	72.2	69.1	64.1	57.8	51.0	44.4	38.9	34.1	29.7	25.6	21.5	17.6	14.0	10.8	8.08	5.84	4.29	3.37
-50	100	93.7	84.5	73.9	62.8	53.3	45.9	39.5	33.8	28.6	23.6	18.9	14.7	11.1	7.97	5.51	3.92	3.26
-45	160	152	140	124	105	84.5	68.0	54.9	44.1	35.9	29.5	23.8	18.6	14.1	10.2	6.86	4.56	3.39
-40	215	202	184	159	130	101	78.9	61.1	47.3	37.8	30.6	24.3	18.7	13.9	9.50	6.09	3.91	3.19
-35	331	310	281	247	207	163	124	93.0	68.0	49.4	37.5	29.5	22.9	17.0	12.0	7.68	4.64	3.22
-30	433	396	352	305	250	191	142	104	72.2	49.8	37.5	29.2	22.2	16.1	10.8	6.50	3.72	2.95
-25	642	574	485	403	332	260	193	142	100	67.2	45.6	34.2	26.2	19.4	13.4	8.27	4.58	2.96
-20	806	681	548	444	357	272	200	145	99.3	64.2	43.1	32.5	24.6	17.7	11.7	6.68	3.53	2.72
-15	1240	1059	809	591	447	341	251	185	131	84.6	53.6	37.6	28.5	20.9	14.3	8.58	4.45	2.71
-10	1557	1241	878	608	448	334	245	180	122	76.5	48.1	34.7	26.0	18.6	12.0	6.71	3.34	2.51
-5	1841	1541	1130	759	526	385	283	210	148	94.9	58.4	39.4	29.5	21.6	14.6	8.59	4.25	2.46
0	1930	1522	1059	691	477	348	257	191	129	79.8	49.4	35.2	26.2	18.8	12.0	6.50	3.09	2.27
5	1743	1465	1084	738	516	378	279	207	146	92.8	57.0	38.5	28.9	21.1	14.2	8.26	3.97	2.21
10	1377	1112	808	578	432	322	237	173	117	72.8	45.8	33.2	24.9	17.6	11.3	6.08	2.80	2.01
15	1074	930	728	550	423	323	238	175	123	78.8	49.7	35.0	26.4	19.3	12.9	7.47	3.53	1.92
20	679	592	494	410	331	252	185	134	90.8	57.8	38.8	29.3	22.0	15.6	9.89	5.24	2.32	1.73
25	537	490	426	363	301	235	174	128	89.0	58.8	39.8	29.9	22.7	16.4	11.0	6.28	2.93	1.60
30	365	339	306	268	218	166	124	88.9	60.9	41.7	31.5	24.4	18.2	12.8	8.05	4.24	1.81	1.42
35	275	261	239	212	177	138	104	77.4	55.8	40.1	30.5	23.9	18.3	13.2	8.71	4.97	2.34	1.34
40	176	167	151	130	104	80.1	61.9	47.4	36.6	29.5	23.9	18.8	14.1	9.90	6.21	3.27	1.47	1.24
45	128	122	112	98.5	81.7	65.2	52.3	41.9	33.6	27.4	22.3	17.8	13.7	9.89	6.54	3.78	1.91	1.24
50	76.4	70.9	63.3	54.7	45.7	39.3	33.9	29.2	25.1	21.1	17.1	13.5	10.1	7.09	4.52	2.52	1.36	1.24
55	54.3	51.7	47.6	42.5	36.9	32.2	28.3	24.8	21.6	18.5	15.3	12.2	9.39	6.84	4.63	2.83	1.69	1.30
60	30.6	29.5	27.9	26.1	24.0	21.9	19.9	17.8	15.7	13.4	11.0	8.70	6.55	4.72	3.18	2.04	1.42	1.36
65	22.3	21.6	20.7	19.5	18.2	16.8	15.4	13.9	12.4	10.7	8.99	7.27	5.68	4.30	3.11	2.18	1.63	1.45
70	13.5	13.1	12.6	12.0	11.3	10.5	9.65	8.75	7.75	6.69	5.57	4.57	3.66	2.87	2.23	1.80	1.57	1.55
75	8.30	8.13	7.88	7.57	7.24	6.83	6.35	5.86	5.34	4.76	4.14	3.56	3.03	2.56	2.16	1.87	1.69	1.62
80	2.99	2.97	2.93	2.89	2.83	2.76	2.67	2.57	2.47	2.36	2.24	2.12	2.01	1.91	1.82	1.76	1.71	1.71
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:17 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: