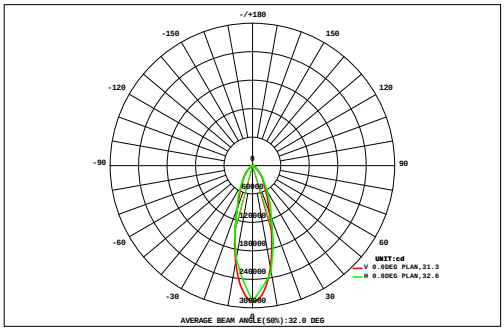
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1906.1 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	8.3V x 11.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	814.5 lumens per klm.
	To 50% of Imax	316.0 lumens per klm.
	To 90% of Imax	33.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:149.98lm/W	
MODEL		Imax(cd)	286516
NOMINAL POWER(W)	1000	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	123107
NOMINAL FLUX(lm)	150315	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	150315
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	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	2.55	5.10	8.74	13.5	18.7	23.8	27.8	30.6	31.1	28.9	25.3	20.5	15.3	10.1	5.80	2.77	0.78	272	0.00
70	0.59	2.68	7.78	17.1	30.7	46.1	61.7	75.8	85.5	86.4	78.1	64.9	49.6	34.4	20.2	9.53	3.29	0.63	675	0.00
60	0.58	3.81	13.2	30.9	56.2	86.7	125	169	202	204	175	131	92.3	61.0	35.0	15.9	4.89	0.69	1407	0.00
50	0.61	5.29	19.5	46.2	87.6	156	266	398	483	487	409	280	167	95.1	51.3	23.1	6.88	0.82	2982	0.00
40	0.66	6.92	26.2	63.3	140	309	583	868	1047	1061	893	610	328	155	70.6	30.8	9.16	1.02	6203	2865
30	0.72	8.51	32.9	83.8	230	548	1045	1570	2038	2082	1635	1083	571	250	93.9	38.4	11.5	1.28	11324	9541
20	0.81	9.93	38.4	105	325	765	1481	2525	3874	4048	2745	1536	784	344	118	44.8	13.4	1.53	18758	17266
10	0.89	10.9	42.2	122	393	916	1832	3784	6599	6915	4167	1907	923	409	135	48.9	14.8	1.71	28219	26898
0	0.97	11.5	43.6	128	410	944	1930	4235	7466	7678	4472	1946	937	417	138	50.2	15.2	1.81	30823	29510
-10	1.04	11.3	42.0	118	362	837	1647	3113	5003	5024	3089	1618	829	365	126	48.2	14.8	1.86	22248	20815
-20	1.12	10.6	38.3	99.9	279	639	1205	1842	2394	2329	1738	1173	626	277	105	44.2	13.9	1.85	12816	11098
-30	1.19	9.57	33.1	79.5	187	408	749	1083	1264	1238	1050	734	396	186	85.1	38.4	12.4	1.83	7556	5115
-40	1.25	8.30	26.7	60.9	116	210	356	511	593	587	499	343	203	117	66.3	31.1	10.4	1.74	3743	0.00
-50	1.24	6.77	20.1	44.0	77.8	117	166	222	261	260	217	161	118	81.4	48.3	23.2	8.27	1.59	1834	0.00
-60	1.19	5.35	13.9	28.1	47.4	68.3	87.3	101	109	109	101	87.5	69.6	49.8	30.7	15.5	6.13	1.41	932	0.00
-70	1.12	4.11	8.61	15.0	23.3	32.0	40.0	46.2	50.3	50.5	46.5	40.3	32.5	24.2	15.9	9.16	4.41	1.24	445	0.00
-80	0.54	1.74	2.93	4.04	4.99	5.76	6.33	6.60	6.64	6.51	6.30	5.99	5.42	4.66	3.78	2.78	1.67	0.54	77.2	0.00
-90	HORIZONTAL(DEG)																			
F t	15.3	120	415	1054	2782	6107	11602	20577	31506	32196	21350	11745	6151	2886	1153	480	154	22.3	150315	---
F a	0.00	0.00	0.00	0.00	97.4	3144	9568	18487	29375	30059	19414	9658	3257	48.2	0.00	0.00	0.00	0.00	---	123107

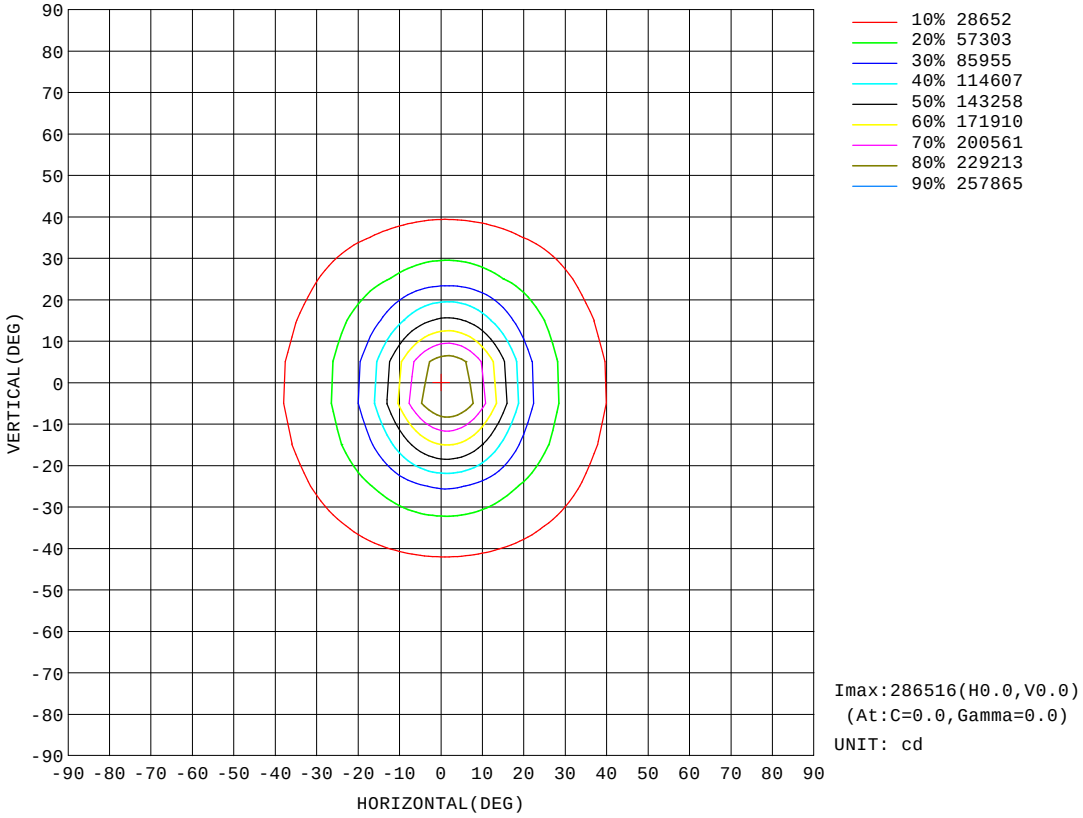
one-half-peak spread: U:17.5,D:15.5 , L:16.3,R:15.2 NEMA Beam Type: Type 5

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:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

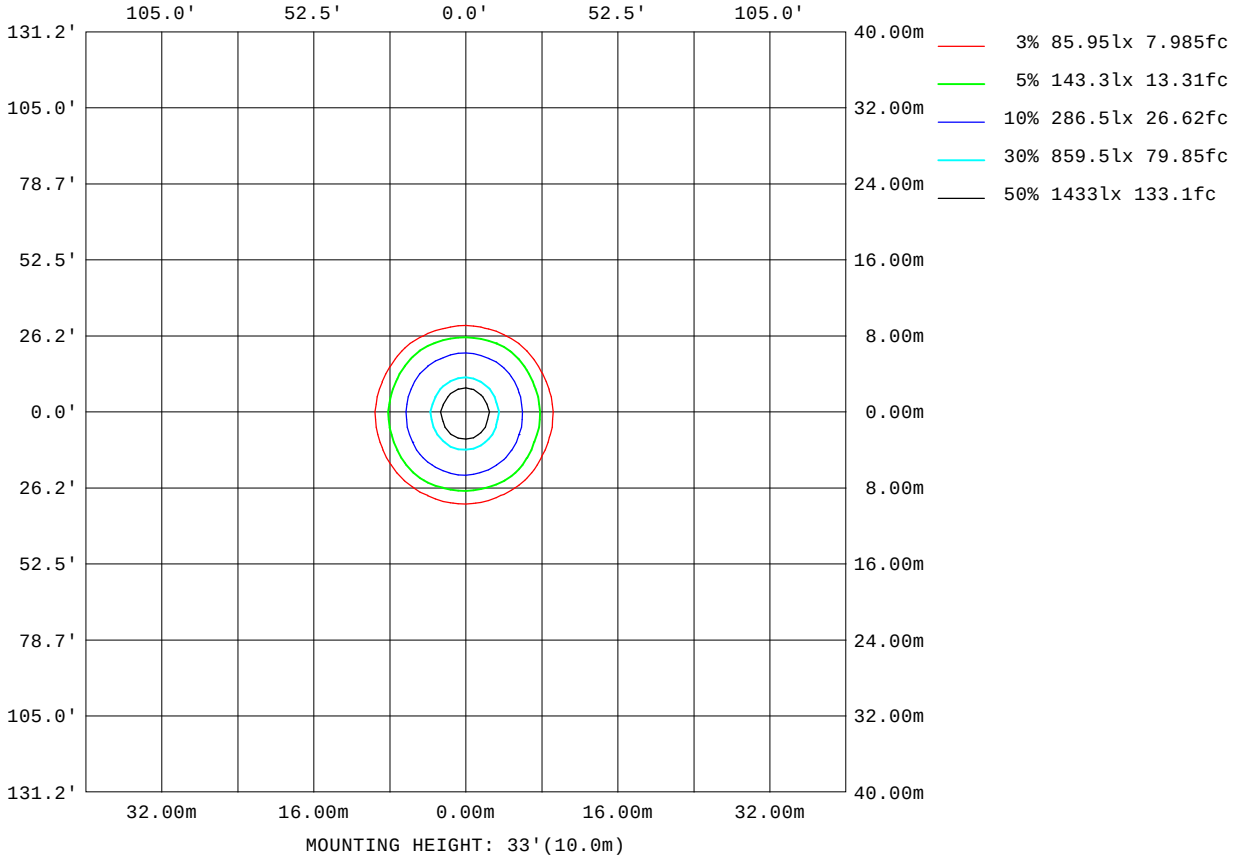


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

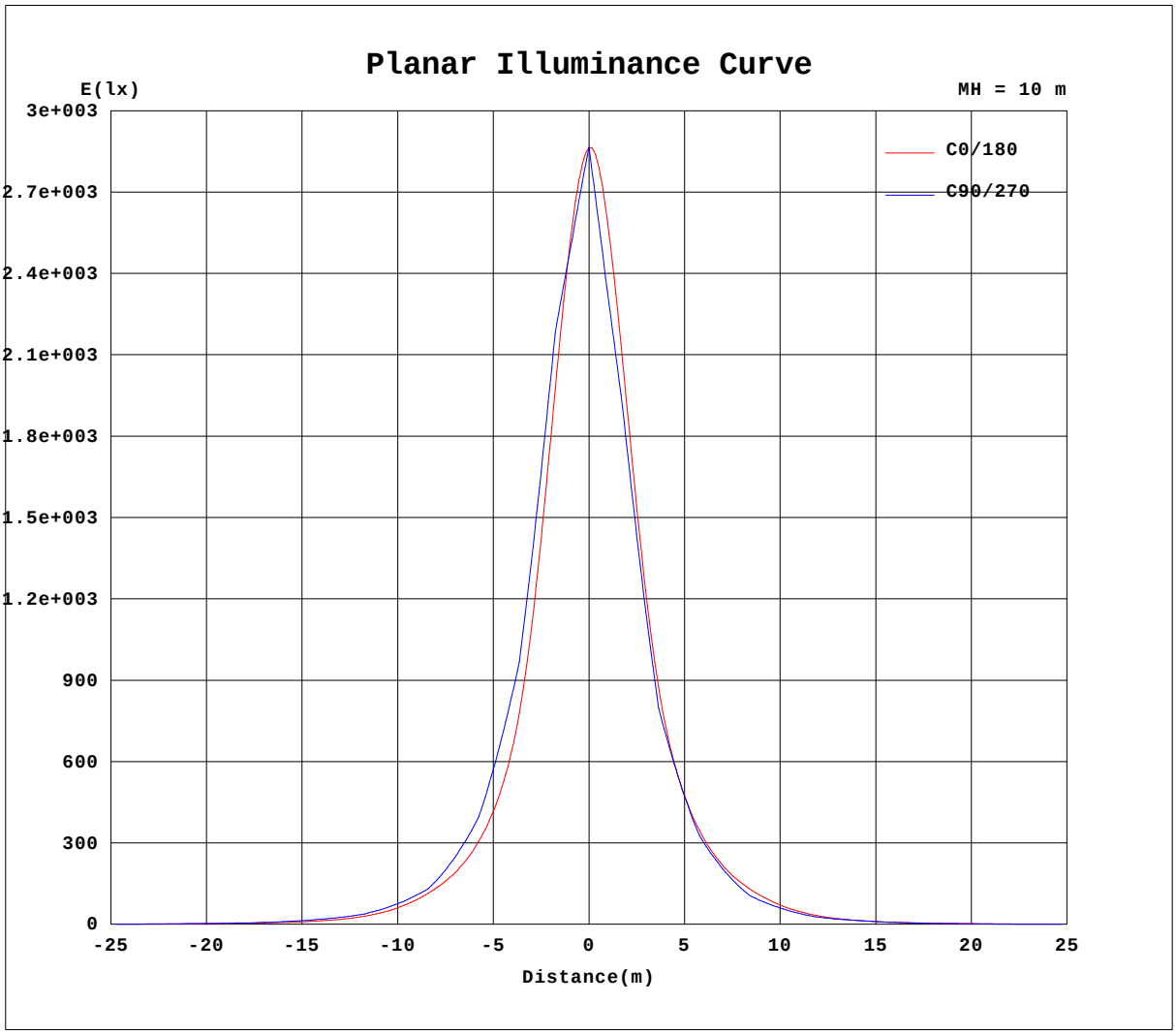
Test:U:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



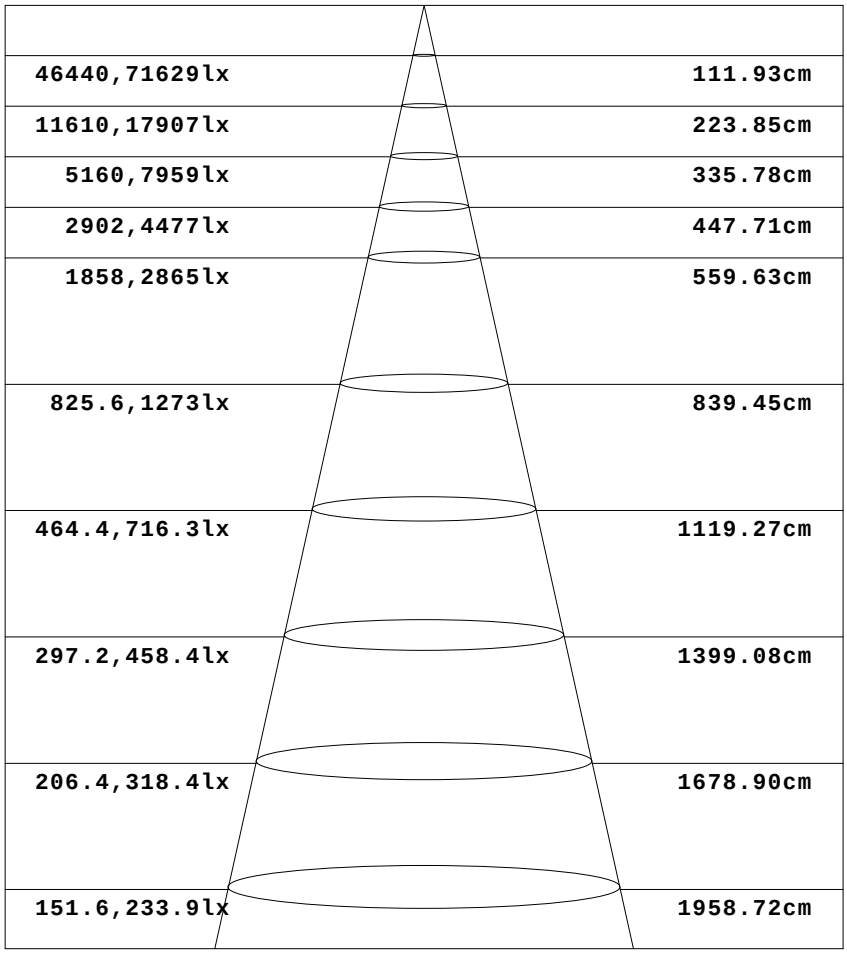
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:47984 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:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	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	3.51	3.95	4.32	4.60	4.89	5.20	5.54	5.92	6.33	6.72	7.10	7.46	7.80	8.10	8.37	8.58	8.74	8.90	8.96
-75	3.51	3.84	4.43	4.98	5.66	6.49	7.44	8.50	9.69	10.9	12.1	13.1	14.2	15.1	16.0	16.7	17.4	17.9	18.2
-70	3.64	4.24	4.96	5.85	7.07	8.51	10.2	12.0	14.0	16.0	17.9	19.6	21.3	22.9	24.2	25.4	26.5	27.2	27.6
-65	3.54	3.93	4.87	6.12	7.86	9.99	12.5	15.2	18.3	21.4	24.5	27.3	30.3	33.1	35.8	38.2	40.2	41.7	42.5
-60	3.60	4.35	5.64	7.67	10.3	13.3	16.9	20.9	25.1	29.3	33.4	37.6	41.5	45.5	49.3	52.7	55.3	56.9	57.5
-55	3.47	3.87	5.22	7.47	10.6	14.3	18.7	23.6	29.1	35.0	41.0	47.5	55.1	63.5	73.1	82.2	89.8	95.2	97.8
-50	3.49	4.33	6.33	9.57	13.7	18.5	24.3	30.7	37.8	45.3	53.6	63.5	75.1	88.9	104	118	129	136	138
-45	3.28	3.62	5.49	8.86	13.4	18.8	25.2	32.5	41.0	51.2	65.1	82.6	104	129	157	181	199	212	217
-40	3.16	4.17	7.00	11.6	17.3	23.9	31.6	40.9	51.8	67.1	89.9	118	151	191	230	260	281	294	297
-35	2.86	3.16	5.59	10.1	16.0	23.2	31.5	41.5	54.9	76.9	109	149	196	254	313	362	405	438	453
-30	2.62	3.72	7.32	13.0	20.3	28.7	38.8	51.7	72.9	110	158	216	286	366	438	500	557	599	609
-25	2.35	2.61	5.55	11.0	18.2	26.8	37.0	50.0	72.4	113	167	232	312	408	507	608	725	832	887
-20	2.12	3.32	7.59	14.3	22.6	32.3	44.4	62.6	99.9	156	226	307	413	531	653	807	984	1125	1167
-15	1.94	2.18	5.44	11.5	19.7	29.2	40.8	56.8	90.0	146	220	303	409	543	705	937	1251	1553	1717
-10	1.81	3.00	7.58	14.9	24.1	34.6	47.9	71.6	120	192	278	376	508	676	919	1305	1777	2156	2285
-5	1.67	1.88	5.24	11.7	20.2	30.2	42.5	60.6	100	165	250	343	463	625	856	1239	1762	2263	2557
0	1.57	2.74	7.39	14.9	24.2	34.9	48.8	74.5	126	204	295	397	536	735	1056	1572	2175	2675	2865
5	1.49	1.65	4.91	11.2	19.6	29.4	41.4	58.9	97.1	161	244	335	453	611	831	1187	1671	2136	2412
10	1.42	2.47	6.81	13.8	22.7	32.8	45.5	67.4	113	182	264	360	487	643	850	1171	1562	1882	1995
15	1.39	1.52	4.46	10.2	17.9	26.9	37.7	52.5	82.4	134	204	283	385	510	652	841	1093	1335	1470
20	1.36	2.29	6.10	12.3	20.0	29.0	40.2	56.0	88.9	140	205	281	379	486	587	702	830	931	964
25	1.40	1.50	3.95	8.82	15.4	23.2	32.3	43.9	62.8	97.8	147	206	279	366	450	529	615	692	733
30	1.44	2.15	5.18	10.2	16.6	24.3	33.1	43.9	60.7	92.0	134	185	247	315	376	423	466	497	507
35	1.52	1.59	3.44	7.24	12.4	18.7	25.9	34.3	45.0	62.5	88.9	123	164	213	263	303	335	361	373
40	1.60	2.11	4.32	8.14	13.0	18.6	25.1	32.4	41.0	51.9	69.4	91.5	118	152	184	210	227	238	241
45	1.70	1.73	2.98	5.66	9.45	14.0	19.2	25.2	31.8	39.4	49.6	63.0	79.2	99.3	122	142	158	168	173
50	1.76	2.05	3.46	6.00	9.36	13.4	17.9	23.1	28.5	34.1	40.0	46.9	55.1	65.3	77.4	88.4	97.8	104	105
55	1.86	1.88	2.61	4.23	6.65	9.63	13.1	17.1	21.3	25.7	30.1	34.7	40.0	46.1	53.4	60.5	66.8	71.4	73.6
60	1.93	2.09	2.82	4.24	6.18	8.55	11.3	14.3	17.6	20.7	23.7	26.6	29.5	32.4	35.2	38.0	40.0	41.3	41.7
65	2.05	2.06	2.42	3.18	4.38	5.93	7.73	9.81	12.1	14.4	16.7	18.8	20.8	22.9	24.8	26.7	28.2	29.3	29.9
70	2.17	2.23	2.50	3.00	3.75	4.66	5.78	7.04	8.47	9.91	11.3	12.6	13.9	14.9	15.9	16.7	17.5	18.0	18.2
75	2.25	2.25	2.36	2.60	2.97	3.46	4.03	4.69	5.43	6.22	7.01	7.73	8.42	9.06	9.61	10.1	10.5	10.9	11.1
80	2.34	2.34	2.38	2.47	2.57	2.68	2.79	2.92	3.04	3.17	3.29	3.41	3.53	3.64	3.74	3.82	3.89	3.94	3.97
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:220.8V I:4.680A P:1002W PF:0.9697 Freq:49.89Hz Lamp Flux:150315x1 lm		
NAME: ITSP41000304000	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	8.93	8.80	8.63	8.44	8.20	7.92	7.60	7.26	6.92	6.55	6.16	5.79	5.41	5.08	4.77	4.52	4.18	3.74
-75	18.2	17.9	17.3	16.6	15.9	15.1	14.1	13.1	12.1	11.0	9.83	8.66	7.61	6.65	5.84	5.16	4.66	4.07
-70	27.3	26.6	25.5	24.3	22.9	21.4	19.8	18.2	16.4	14.5	12.5	10.7	8.99	7.53	6.32	5.37	4.67	4.04
-65	42.3	41.3	39.7	37.5	35.1	32.4	29.7	27.0	24.2	21.4	18.4	15.4	12.6	10.1	8.07	6.39	5.22	4.35
-60	56.8	54.9	52.2	48.8	45.1	41.3	37.4	33.6	29.8	25.9	21.8	17.8	14.1	11.0	8.38	6.35	4.99	4.24
-55	96.9	92.8	86.0	77.6	68.5	59.6	52.2	45.8	39.9	34.3	28.8	23.5	18.7	14.5	10.8	7.84	5.75	4.54
-50	134	126	113	99.2	84.3	71.7	61.8	53.1	45.5	38.5	31.5	25.3	19.8	14.9	10.7	7.41	5.26	4.41
-45	215	205	189	167	141	114	91.9	74.1	59.6	48.4	39.6	31.9	25.0	19.0	13.6	9.25	6.15	4.58
-40	290	273	248	215	176	137	107	82.8	64.0	51.1	41.3	32.8	25.2	18.6	12.9	8.24	5.27	4.33
-35	446	419	379	333	280	221	168	126	92.3	67.0	50.7	39.9	30.8	23.0	16.1	10.4	6.28	4.34
-30	584	535	476	412	337	258	193	140	98.2	67.6	50.7	39.5	29.8	21.7	14.6	8.81	5.02	3.99
-25	866	776	655	545	449	351	261	193	136	91.4	61.9	46.3	35.4	26.2	18.1	11.2	6.21	3.98
-20	1089	921	742	600	482	368	271	197	135	87.6	58.5	44.0	33.2	24.0	15.7	9.06	4.78	3.66
-15	1673	1433	1097	802	606	461	341	251	177	115	73.0	51.1	38.6	28.3	19.3	11.7	6.08	3.65
-10	2104	1683	1194	826	607	452	332	244	166	105	65.6	47.2	35.1	25.2	16.4	9.17	4.57	3.39
-5	2484	2087	1535	1033	714	521	384	285	202	129	79.9	53.5	40.0	29.1	19.8	11.7	5.84	3.34
0	2607	2065	1440	940	648	471	348	258	176	109	67.4	47.7	35.5	25.4	16.2	8.86	4.21	3.09
5	2347	1980	1469	1002	699	512	377	280	198	126	77.8	52.2	39.0	28.4	19.2	11.2	5.44	2.99
10	1850	1500	1094	782	584	436	321	235	158	99.2	62.3	44.9	33.3	23.8	15.3	8.26	3.81	2.74
15	1441	1252	984	743	572	437	322	237	166	107	67.5	47.4	35.7	26.0	17.4	10.2	4.83	2.60
20	913	797	665	553	448	340	250	182	123	78.7	52.7	39.7	29.7	21.1	13.4	7.15	3.17	2.33
25	721	659	574	489	407	317	235	173	121	79.9	54.0	40.4	30.7	22.3	14.9	8.57	4.02	2.17
30	490	455	413	361	295	225	167	121	82.9	56.6	42.6	32.9	24.6	17.4	11.0	5.82	2.49	1.92
35	369	350	322	285	238	186	140	105	75.8	54.4	41.2	32.4	24.7	17.8	11.9	6.81	3.22	1.82
40	236	224	203	174	140	108	83.8	64.3	49.6	40.0	32.3	25.4	19.1	13.5	8.47	4.49	2.00	1.69
45	172	164	151	132	110	87.9	70.7	56.7	45.3	36.9	30.2	24.1	18.5	13.4	8.91	5.17	2.63	1.68
50	102	95.0	85.0	73.5	61.5	53.0	45.8	39.4	33.7	28.3	23.1	18.2	13.7	9.63	6.16	3.46	1.85	1.67
55	72.7	69.3	63.8	57.2	49.7	43.4	38.2	33.5	29.0	24.9	20.6	16.6	12.7	9.29	6.31	3.87	2.31	1.75
60	41.1	39.6	37.5	35.0	32.3	29.5	26.8	24.0	21.1	18.0	14.8	11.8	8.91	6.44	4.35	2.80	1.93	1.83
65	29.8	29.0	27.8	26.2	24.5	22.6	20.7	18.7	16.7	14.4	12.1	9.86	7.72	5.86	4.25	2.99	2.23	1.96
70	18.0	17.5	16.8	16.1	15.2	14.1	13.0	11.8	10.5	9.05	7.55	6.20	4.99	3.92	3.05	2.47	2.13	2.10
75	11.1	10.9	10.5	10.1	9.70	9.17	8.54	7.90	7.21	6.45	5.61	4.84	4.13	3.49	2.95	2.55	2.30	2.20
80	3.98	3.96	3.92	3.87	3.80	3.71	3.60	3.48	3.35	3.21	3.05	2.89	2.74	2.61	2.48	2.39	2.32	2.31
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: