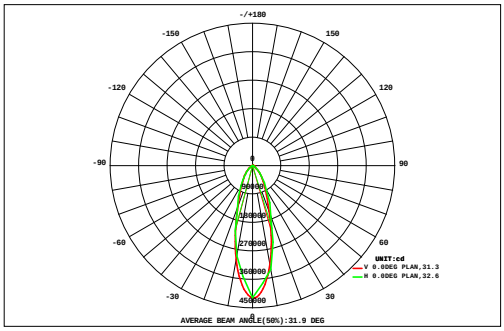
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1907.2 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	32.6V x 31.2H
	At 90% of Imax	8.3V x 11.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	814.3 lumens per klm.
	To 50% of Imax	315.7 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:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:146.32lm/W	
MODEL		Imax(cd)	418024
NOMINAL POWER(W)	1500	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	179498
NOMINAL FLUX(lm)	219182	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	219182
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	1.13	3.75	7.49	12.8	19.7	27.3	34.7	40.6	44.7	45.3	42.2	36.9	29.9	22.3	14.7	8.49	4.06	1.15	397	0.00
70	0.86	3.92	11.4	25.0	44.7	67.2	90.0	111	125	126	114	94.7	72.3	50.2	29.5	13.9	4.82	0.93	985	0.00
60	0.86	5.58	19.3	45.2	82.0	126	182	247	294	297	255	191	135	89.2	51.2	23.2	7.15	1.01	2051	0.00
50	0.90	7.73	28.5	67.5	128	227	387	579	703	709	595	407	243	139	74.9	33.7	10.1	1.20	4342	0.00
40	0.97	10.1	38.2	92.5	203	449	848	1264	1524	1544	1300	888	478	226	103	45.1	13.4	1.49	9030	4158
30	1.06	12.4	48.1	122	335	798	1522	2285	2966	3031	2382	1578	832	364	137	56.1	16.8	1.87	16488	13891
-30	1.18	14.5	56.0	153	473	1115	2157	3675	5636	5891	3997	2238	1142	501	171	65.3	19.6	2.24	27308	25134
-40	1.30	16.0	61.6	177	571	1334	2668	5508	9609	10074	6072	2780	1347	597	197	71.5	21.6	2.51	41111	39184
-50	1.43	16.7	63.7	186	598	1376	2814	6179	10896	11209	6527	2839	1367	609	201	73.3	22.3	2.65	44981	43076
-60	1.53	16.5	61.3	172	528	1219	2400	4541	7306	7341	4513	2361	1210	532	183	70.2	21.6	2.70	32480	30380
-70	1.64	15.5	56.0	146	406	932	1757	2689	3499	3405	2538	1713	913	404	153	64.5	20.2	2.71	18717	16211
-80	1.75	14.0	48.3	116	272	595	1093	1580	1845	1807	1531	1072	578	271	124	56.2	18.1	2.68	11026	7464
-90	1.84	12.2	39.1	89.1	169	307	521	747	867	858	729	501	296	171	96.9	45.4	15.3	2.55	5468	0.00
	1.83	9.96	29.6	64.4	114	171	242	324	381	378	316	235	171	118	70.4	33.7	12.0	2.32	2675	0.00
	1.76	7.86	20.4	41.2	69.4	99.9	127	147	158	158	147	127	101	72.5	44.6	22.6	8.93	2.05	1358	0.00
	1.65	6.05	12.7	22.1	34.1	46.8	58.6	67.7	73.8	74.1	68.3	59.1	47.7	35.4	23.3	13.4	6.47	1.81	653	0.00
	0.80	2.56	4.30	5.94	7.33	8.48	9.32	9.74	9.78	9.58	9.27	8.81	7.95	6.83	5.53	4.06	2.44	0.78	114	0.00
F t	22.5	175	606	1537	4054	8901	16912	29994	45938	46959	31137	17129	8971	4208	1681	701	225	32.7	219182	---
F a	0.00	0.00	0.00	0.00	142	4591	13945	26945	42818	43843	28314	14087	4741	70.4	0.00	0.00	0.00	0.00	---	179498

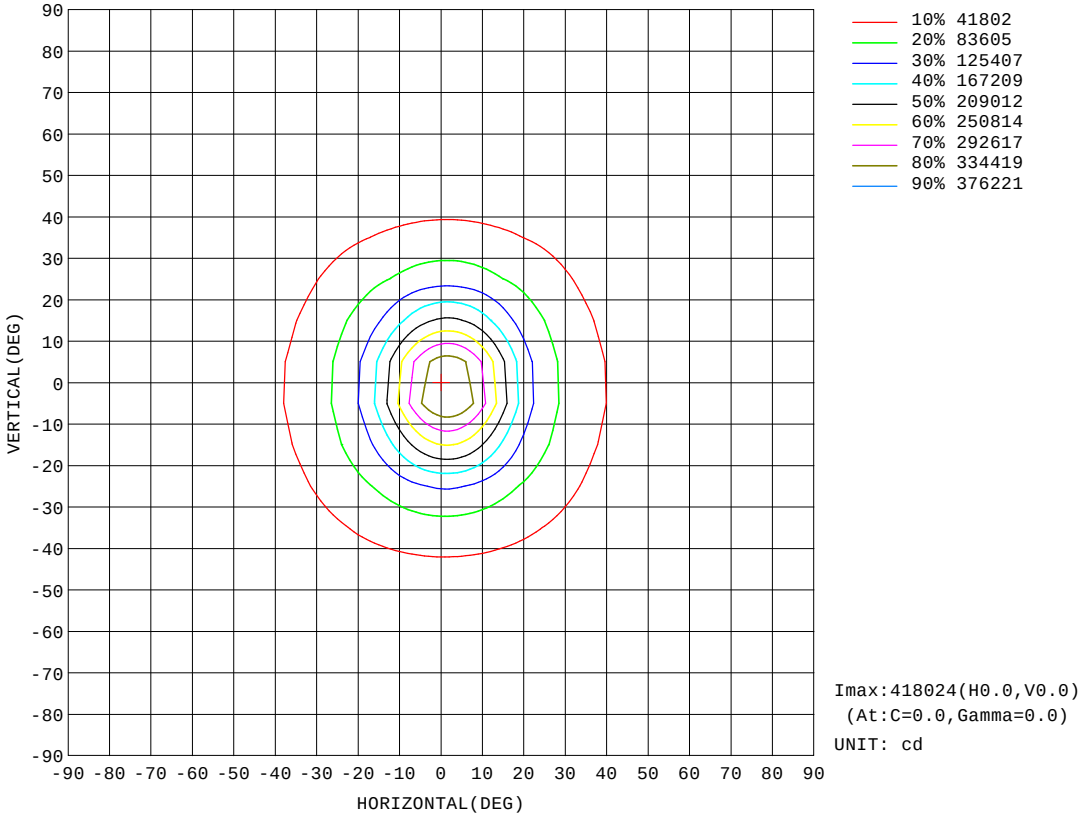
one-half-peak spread: U:17.5,D:15.4 , L:16.3,R:15.2 **NEMA Beam Type: Type 5**

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:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

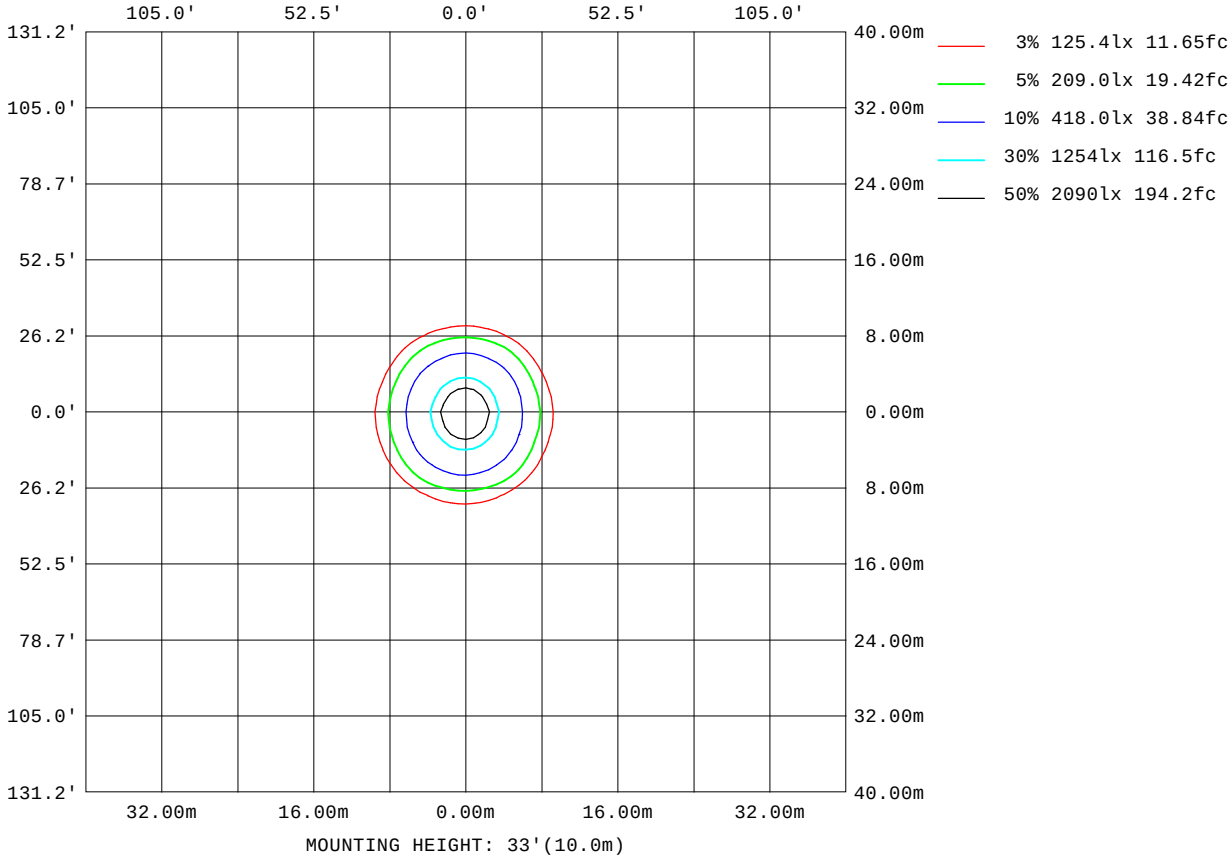


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

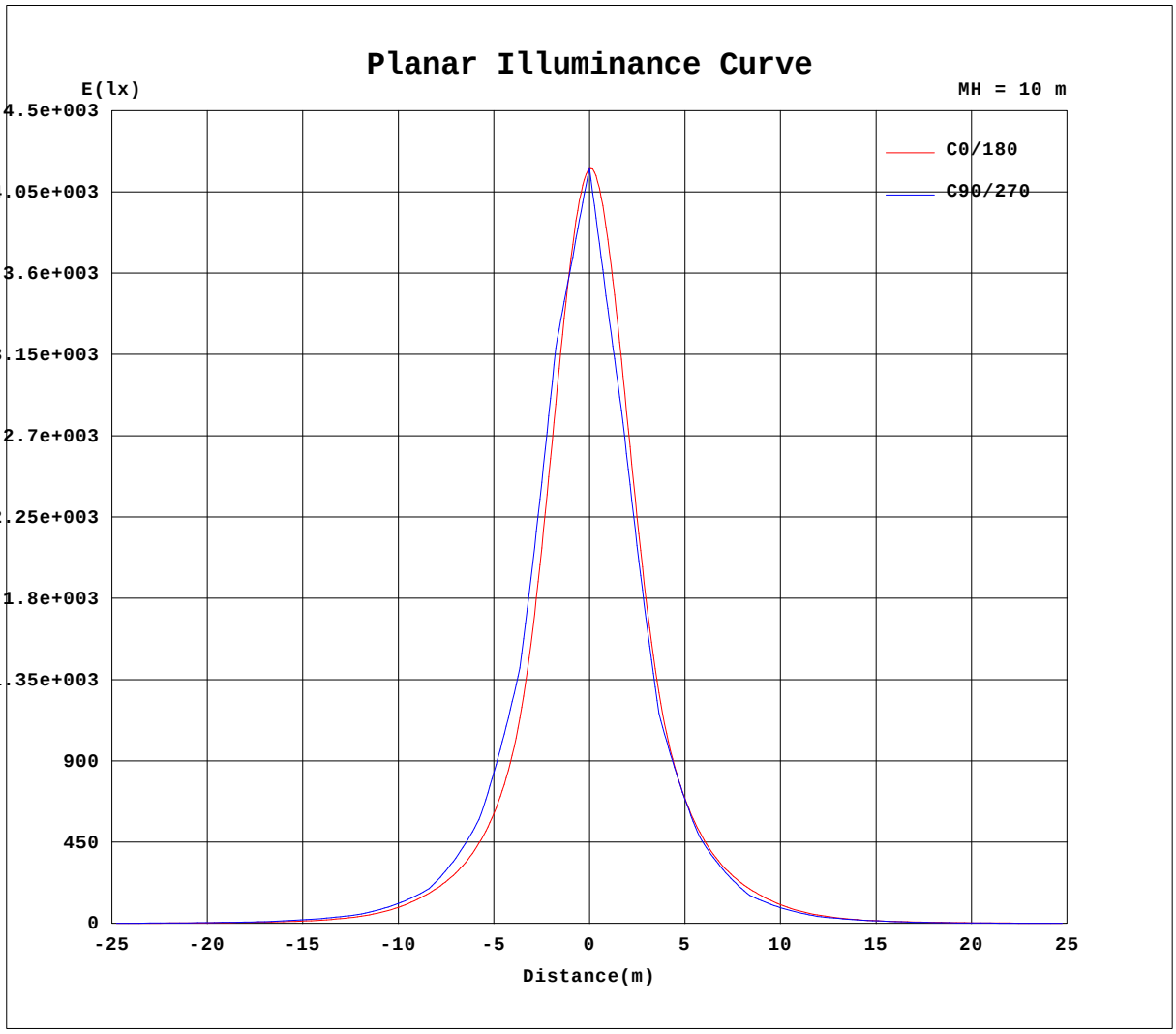
Test:U:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



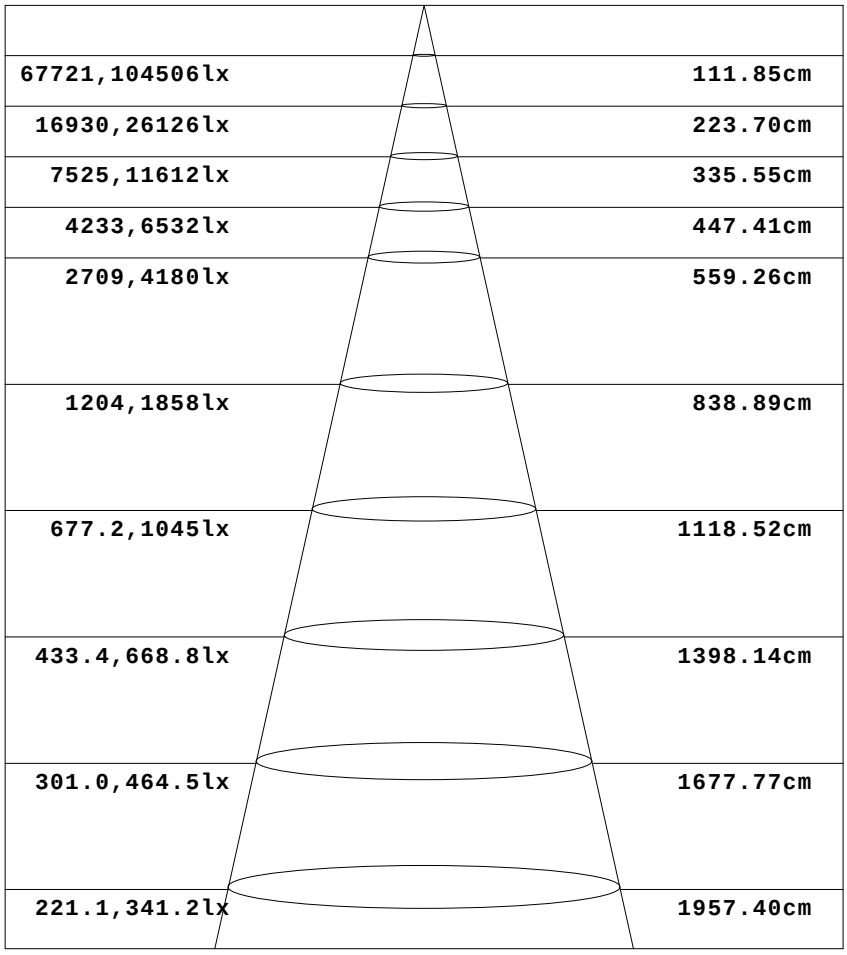
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:69972 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:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	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	5.19	5.83	6.36	6.78	7.20	7.64	8.14	8.69	9.28	9.86	10.4	10.9	11.4	11.9	12.3	12.6	12.8	13.1	13.2
-75	5.21	5.68	6.53	7.33	8.32	9.54	10.9	12.5	14.2	15.9	17.7	19.2	20.7	22.1	23.4	24.5	25.5	26.2	26.7
-70	5.40	6.27	7.31	8.62	10.4	12.5	14.9	17.6	20.5	23.4	26.2	28.7	31.2	33.5	35.4	37.2	38.8	39.9	40.3
-65	5.25	5.81	7.18	9.00	11.5	14.7	18.3	22.3	26.8	31.3	35.9	40.1	44.2	48.3	52.2	55.7	58.7	60.8	61.9
-60	5.33	6.42	8.30	11.3	15.1	19.6	24.8	30.6	36.7	42.8	49.1	54.8	60.6	66.4	72.0	76.8	80.5	82.9	83.8
-55	5.14	5.71	7.70	11.0	15.5	21.0	27.4	34.6	42.6	51.1	60.0	69.6	80.4	92.8	107	120	131	139	143
-50	5.17	6.40	9.33	14.0	20.1	27.3	35.5	44.9	55.2	66.3	78.4	92.8	110	130	153	173	189	199	202
-45	4.87	5.36	8.08	13.0	19.6	27.5	36.8	47.6	59.9	74.8	95.1	121	151	188	229	264	291	310	317
-40	4.71	6.14	10.3	16.9	25.2	34.8	46.4	59.7	75.6	97.9	131	172	220	279	335	379	411	429	433
-35	4.27	4.68	8.20	14.7	23.5	33.8	45.9	60.6	80.0	112	159	217	286	371	457	529	591	639	661
-30	3.91	5.49	10.7	19.1	29.6	41.9	56.6	75.3	106	160	235	315	417	534	639	730	813	874	889
-25	3.52	3.88	8.14	16.1	26.7	39.0	53.9	72.8	105	164	244	338	455	596	740	888	1058	1215	1296
-20	3.18	4.91	11.1	21.0	33.0	47.4	64.8	91.2	145	228	329	448	602	775	953	1178	1438	1645	1706
-15	2.91	3.24	7.98	16.9	28.8	42.6	59.4	82.8	131	213	320	442	597	792	1028	1366	1826	2268	2509
-10	2.70	4.41	11.1	21.7	35.2	50.5	69.9	104	174	279	405	547	739	986	1339	1903	2594	3148	3337
-5	2.49	2.78	7.69	17.0	29.6	44.1	61.9	88.3	146	240	365	500	674	910	1249	1807	2570	3303	3732
0	2.32	4.02	10.8	21.7	35.3	51.2	71.2	109	183	298	430	577	781	1071	1541	2292	3174	3902	4180
5	2.19	2.44	7.18	16.3	28.6	42.9	60.4	85.8	141	234	356	489	660	891	1211	1729	2433	3111	3515
10	2.10	3.62	9.92	20.1	33.1	47.9	66.3	98.1	164	264	384	523	709	936	1238	1703	2272	2736	2903
15	2.05	2.24	6.52	14.9	26.0	39.2	55.1	76.5	120	196	297	412	561	743	949	1223	1589	1942	2139
20	2.01	3.36	8.91	18.0	29.1	42.4	58.5	81.6	129	204	298	409	553	708	855	1022	1209	1355	1403
25	2.07	2.21	5.79	12.9	22.4	33.8	47.4	64.0	91.4	142	214	300	406	533	656	770	895	1007	1067
30	2.12	3.16	7.56	14.9	24.3	35.4	48.3	64.0	88.4	134	195	270	359	459	547	616	678	724	737
35	2.25	2.34	5.03	10.6	18.2	27.3	37.8	50.0	65.6	90.9	129	179	238	310	383	441	488	525	543
40	2.36	3.08	6.32	11.9	19.0	27.1	36.6	47.4	59.7	75.6	101	133	172	221	268	305	331	346	350
45	2.49	2.55	4.36	8.27	13.8	20.4	28.0	36.7	46.5	57.5	72.2	91.7	115	144	178	207	230	245	252
50	2.60	3.02	5.07	8.78	13.7	19.5	26.3	33.7	41.5	49.7	58.3	68.3	80.2	95.1	113	129	142	151	154
55	2.74	2.77	3.83	6.20	9.74	14.1	19.1	24.9	31.0	37.5	43.8	50.6	58.3	67.1	77.8	88.2	97.2	104	107
60	2.86	3.09	4.15	6.22	9.04	12.5	16.5	20.9	25.7	30.2	34.6	38.8	43.0	47.6	51.6	55.4	58.3	60.2	60.7
65	3.02	3.03	3.55	4.66	6.41	8.67	11.3	14.3	17.6	21.0	24.3	27.4	30.4	33.4	36.3	38.9	41.2	42.8	43.6
70	3.17	3.26	3.66	4.39	5.47	6.80	8.43	10.3	12.3	14.4	16.5	18.4	20.2	21.8	23.1	24.4	25.5	26.3	26.6
75	3.32	3.32	3.47	3.82	4.36	5.06	5.90	6.86	7.94	9.09	10.2	11.3	12.3	13.2	14.0	14.7	15.4	15.8	16.2
80	3.46	3.46	3.52	3.65	3.79	3.95	4.11	4.29	4.47	4.65	4.83	5.00	5.17	5.33	5.46	5.58	5.67	5.74	5.79
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:220.9V I:7.021A P:1498W PF:0.9657 Freq:49.90Hz Lamp Flux:219182x1 lm		
NAME: ITSP41500304000	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	13.1	12.9	12.7	12.4	12.0	11.6	11.1	10.6	10.1	9.58	9.01	8.47	7.92	7.43	6.97	6.60	6.12	5.46
-75	26.7	26.2	25.4	24.4	23.3	22.0	20.6	19.2	17.7	16.1	14.4	12.7	11.1	9.73	8.53	7.56	6.81	5.96
-70	39.9	38.9	37.3	35.5	33.6	31.3	29.0	26.6	24.0	21.3	18.3	15.6	13.2	11.0	9.24	7.87	6.83	5.93
-65	61.7	60.2	57.8	54.6	51.1	47.3	43.3	39.3	35.3	31.1	26.8	22.4	18.3	14.8	11.8	9.32	7.62	6.37
-60	82.6	79.9	75.9	71.0	65.6	60.0	54.4	48.9	43.3	37.6	31.6	26.0	20.5	16.0	12.2	9.24	7.29	6.21
-55	141	135	125	113	99.7	86.7	76.0	66.6	58.0	50.0	42.0	34.3	27.2	21.0	15.8	11.4	8.38	6.64
-50	196	183	165	144	123	104	89.9	77.3	66.2	55.9	46.0	36.8	28.8	21.7	15.6	10.8	7.69	6.43
-45	314	300	276	244	206	167	134	108	86.9	70.7	57.9	46.5	36.5	27.7	19.9	13.5	8.99	6.69
-40	423	399	362	314	257	200	156	121	93.5	74.6	60.4	47.9	36.9	27.4	18.8	12.1	7.71	6.30
-35	651	611	554	487	409	322	244	184	135	97.7	74.0	58.2	45.1	33.6	23.6	15.2	9.21	6.37
-30	853	780	694	600	492	377	281	205	143	98.5	73.9	57.6	43.5	31.7	21.3	12.9	7.37	5.86
-25	1266	1133	957	795	655	513	382	281	198	133	90.3	67.5	51.8	38.2	26.5	16.4	9.09	5.84
-20	1592	1347	1084	876	705	538	395	288	197	128	85.3	64.1	48.4	34.9	22.9	13.2	6.98	5.38
-15	2445	2094	1603	1171	884	673	498	366	258	168	106	74.3	56.2	41.2	28.2	17.0	8.87	5.34
-10	3073	2458	1744	1205	885	659	485	356	242	152	95.4	68.6	51.4	36.7	23.8	13.4	6.66	4.97
-5	3625	3047	2240	1508	1041	761	561	416	294	188	116	77.9	58.4	42.6	28.9	17.1	8.54	4.88
0	3804	3012	2100	1372	945	688	509	377	256	159	98.2	69.7	52.0	37.2	24.0	13.0	6.19	4.52
5	3420	2886	2141	1462	1020	747	551	409	288	184	113	76.2	57.0	41.5	28.1	16.4	7.98	4.39
10	2693	2184	1594	1140	851	635	468	342	231	145	90.7	65.5	49.0	34.8	22.3	12.1	5.58	4.01
15	2097	1823	1433	1083	834	636	470	346	242	156	98.4	69.0	52.1	37.9	25.5	14.8	7.07	3.81
20	1329	1160	969	805	652	496	364	264	179	115	76.7	57.8	43.3	30.8	19.5	10.4	4.64	3.41
25	1050	960	835	712	592	462	343	252	176	116	78.6	59.0	44.7	32.5	21.7	12.5	5.88	3.17
30	713	663	601	526	429	327	243	176	121	82.4	62.1	48.4	36.0	25.4	16.0	8.50	3.64	2.82
35	537	510	468	415	347	271	205	153	110	79.3	60.1	47.3	36.0	26.1	17.3	9.95	4.71	2.66
40	344	326	296	254	204	157	122	93.6	72.3	58.3	47.2	37.1	27.9	19.7	12.4	6.57	2.95	2.47
45	250	239	220	193	160	128	103	82.5	66.2	53.9	44.1	35.2	27.0	19.5	13.0	7.57	3.86	2.47
50	149	138	124	107	89.6	77.2	66.7	57.5	49.5	41.4	33.8	26.6	20.1	14.1	9.02	5.09	2.73	2.48
55	106	101	92.9	83.2	72.4	63.3	55.7	48.8	42.6	36.4	30.1	24.2	18.6	13.6	9.24	5.68	3.40	2.59
60	59.9	57.7	54.7	51.1	47.1	43.1	39.1	35.0	30.9	26.4	21.7	17.2	13.0	9.42	6.38	4.11	2.84	2.71
65	43.4	42.3	40.5	38.2	35.7	33.0	30.2	27.3	24.3	21.1	17.7	14.4	11.3	8.58	6.22	4.39	3.28	2.89
70	26.3	25.5	24.5	23.5	22.2	20.6	18.9	17.2	15.3	13.2	11.0	9.08	7.30	5.75	4.48	3.63	3.14	3.08
75	16.1	15.8	15.4	14.8	14.2	13.4	12.5	11.5	10.5	9.42	8.21	7.08	6.04	5.11	4.32	3.74	3.37	3.24
80	5.79	5.77	5.72	5.64	5.54	5.42	5.25	5.08	4.90	4.69	4.46	4.23	4.02	3.82	3.64	3.52	3.41	3.40
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: