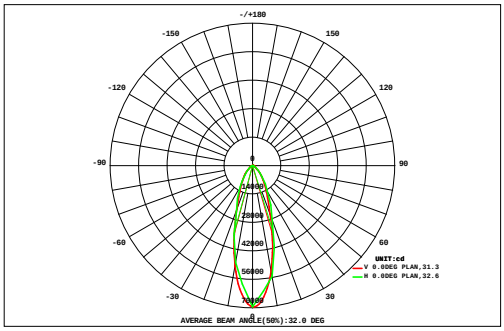
Floodlight Summary:

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:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.26lm/W	
MODEL		Imax(cd)	69422
NOMINAL POWER(W)	240	AVAILABILITY(%)	81.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	29828
NOMINAL FLUX(lm)	36420.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	36421
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	0.19	0.62	1.24	2.12	3.27	4.54	5.75	6.75	7.43	7.54	7.01	6.13	4.96	3.70	2.44	1.41	0.67	0.19	65.9	0.00
70	0.14	0.65	1.89	4.15	7.43	11.2	14.9	18.4	20.7	20.9	18.9	15.7	12.0	8.32	4.89	2.31	0.80	0.15	164	0.00
60	0.14	0.92	3.21	7.49	13.6	21.0	30.2	41.0	48.9	49.4	42.4	31.8	22.4	14.8	8.48	3.85	1.18	0.17	341	0.00
50	0.15	1.28	4.72	11.2	21.2	37.9	64.4	96.4	117	118	99.1	67.8	40.5	23.0	12.4	5.59	1.67	0.20	723	0.00
40	0.16	1.68	6.35	15.3	33.9	74.8	141	210	254	257	216	148	79.5	37.6	17.1	7.47	2.22	0.25	1503	694
30	0.18	2.06	7.97	20.3	55.8	133	253	380	494	505	396	262	138	60.6	22.7	9.30	2.78	0.31	2744	2312
20	0.20	2.41	9.29	25.4	78.7	185	359	612	939	981	665	372	190	83.3	28.5	10.9	3.26	0.37	4545	4183
10	0.22	2.65	10.2	29.5	95.1	222	444	917	1599	1675	1010	462	224	99.1	32.7	11.9	3.58	0.41	6837	6517
0	0.24	2.78	10.6	30.9	99.3	229	468	1026	1809	1860	1084	471	227	101	33.5	12.2	3.68	0.44	7468	7150
-10	0.25	2.73	10.2	28.5	87.7	203	399	754	1212	1217	749	392	201	88.4	30.4	11.7	3.59	0.45	5391	5043
-20	0.27	2.57	9.29	24.2	67.5	155	292	446	580	564	421	284	152	67.1	25.4	10.7	3.36	0.45	3105	2689
-30	0.29	2.32	8.02	19.3	45.2	98.8	182	262	306	300	254	178	96.0	45.1	20.6	9.30	3.00	0.44	1831	1239
-40	0.30	2.01	6.47	14.8	28.0	51.0	86.3	124	144	142	121	83.1	49.2	28.4	16.1	7.54	2.53	0.42	907	0.00
-50	0.30	1.64	4.88	10.7	18.9	28.4	40.2	53.7	63.3	62.9	52.6	39.1	28.5	19.7	11.7	5.61	2.00	0.39	444	0.00
-60	0.29	1.30	3.36	6.82	11.5	16.5	21.1	24.5	26.3	26.3	24.4	21.2	16.9	12.1	7.43	3.75	1.49	0.34	226	0.00
-70	0.27	1.00	2.09	3.64	5.65	7.74	9.68	11.2	12.2	12.2	11.3	9.77	7.89	5.85	3.84	2.22	1.07	0.30	108	0.00
-80	0.13	0.42	0.71	0.98	1.21	1.40	1.53	1.60	1.61	1.58	1.53	1.45	1.31	1.13	0.92	0.67	0.41	0.13	18.7	0.00
-90	HORIZONTAL(DEG)																			
F t	3.71	29.0	100	255	674	1480	2811	4986	7634	7801	5173	2846	1490	699	279	116	37.3	5.41	36421	---
F a	0.00	0.00	0.00	0.00	23.6	762	2318	4479	7117	7283	4704	2340	789	11.7	0.00	0.00	0.00	0.00	---	29828

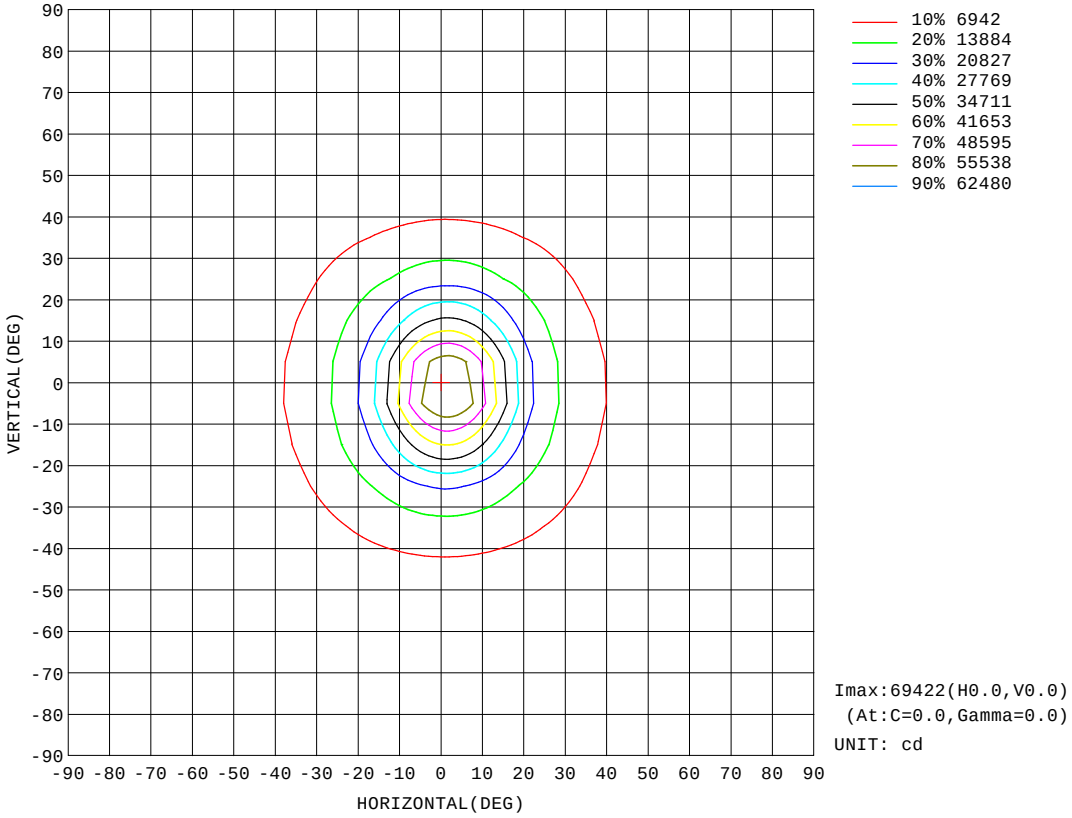
one-half-peak spread: U:17.5,D:15.5 , L:16.3,R:15.2 **NEMA Beam Type: Type 5**

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:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

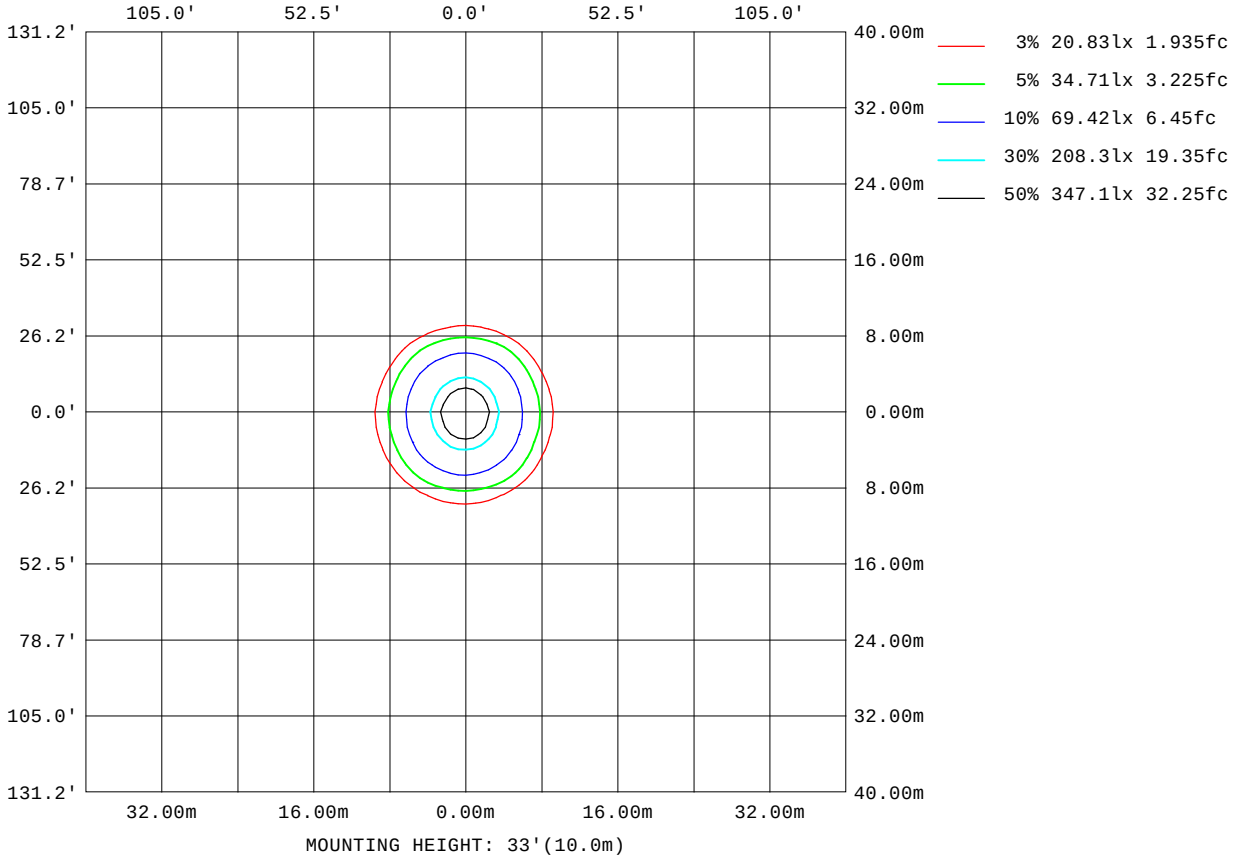


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

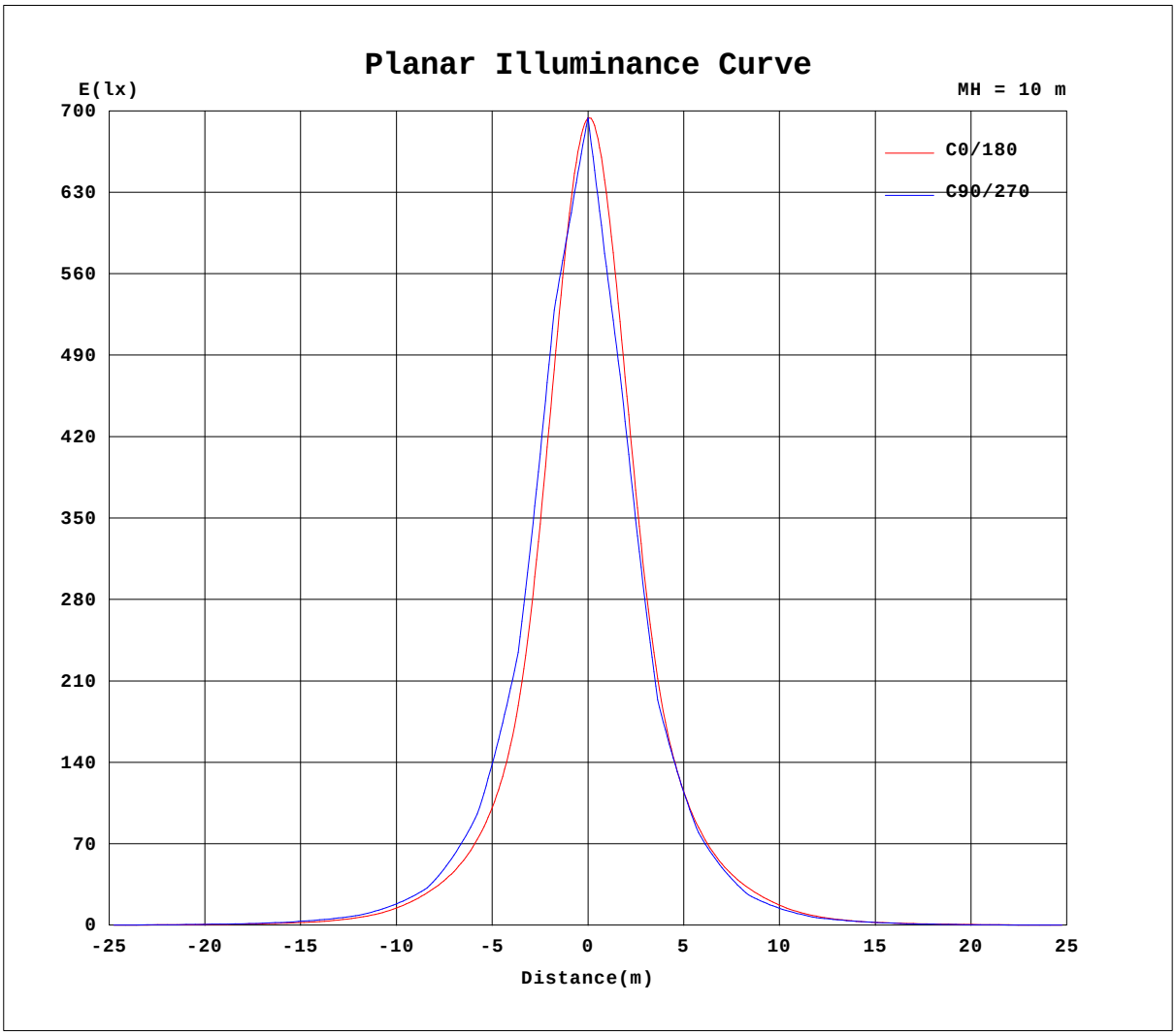
Test:U:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



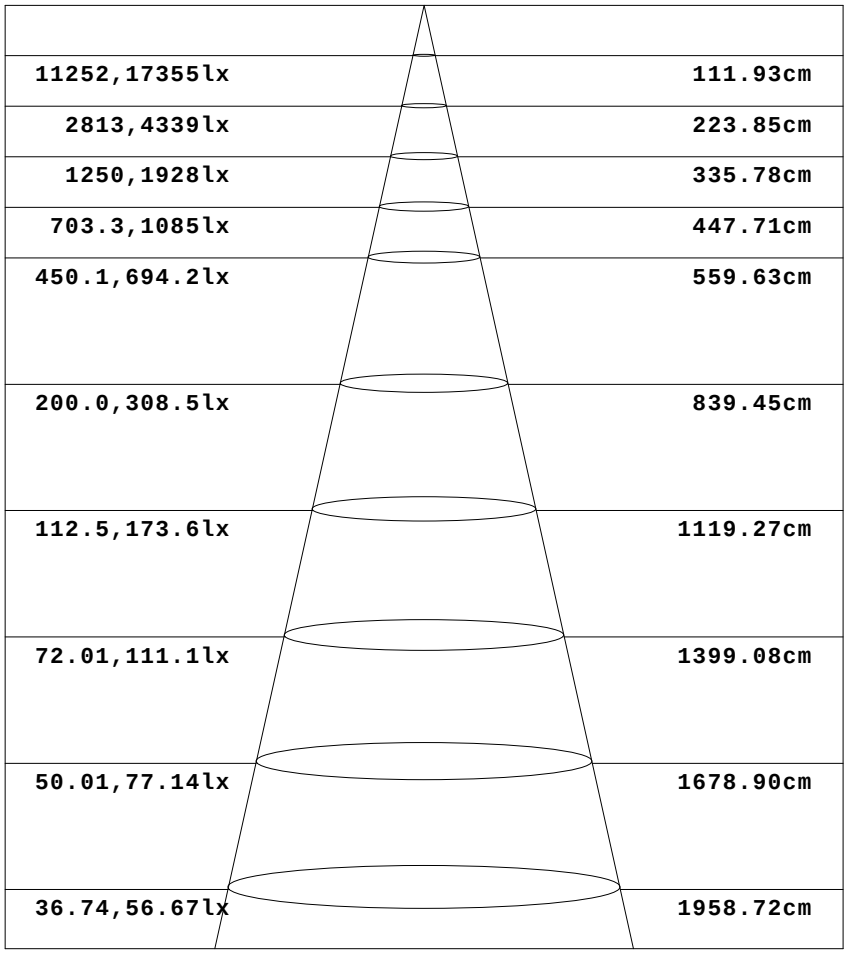
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:11626 lm



Height Eavg,Emax Angle:31.27deg Diameter

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:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	8.49	9.57	10.5	11.2	11.9	12.6	13.4	14.3	15.3	16.3	17.2	18.1	18.9	19.6	20.3	20.8	21.2	21.6	21.7
-75	8.51	9.30	10.7	12.1	13.7	15.7	18.0	20.6	23.5	26.4	29.2	31.8	34.3	36.6	38.7	40.5	42.2	43.4	44.2
-70	8.83	10.3	12.0	14.2	17.1	20.6	24.6	29.0	33.9	38.8	43.3	47.5	51.7	55.4	58.7	61.6	64.2	66.0	66.8
-65	8.58	9.53	11.8	14.8	19.0	24.2	30.2	36.9	44.4	51.9	59.3	66.2	73.4	80.2	86.7	92.6	97.5	101	103
-60	8.73	10.5	13.7	18.6	24.9	32.3	41.0	50.6	60.9	71.0	80.9	91.1	101	110	120	128	134	138	139
-55	8.41	9.37	12.7	18.1	25.6	34.7	45.3	57.3	70.6	84.7	99.3	115	133	154	177	199	218	231	237
-50	8.45	10.5	15.3	23.2	33.2	44.8	58.8	74.3	91.5	110	130	154	182	215	253	286	313	330	335
-45	7.94	8.78	13.3	21.5	32.5	45.6	60.9	78.8	99.4	124	158	200	251	312	380	438	483	514	527
-40	7.66	10.1	17.0	28.0	41.9	57.8	76.6	99.1	126	163	218	285	366	463	556	629	681	712	719
-35	6.94	7.66	13.5	24.4	38.9	56.1	76.2	101	133	186	264	360	476	616	759	878	980	1060	1098
-30	6.35	9.02	17.7	31.6	49.2	69.6	94.0	125	177	266	384	523	693	887	1062	1212	1350	1450	1476
-25	5.69	6.33	13.4	26.6	44.1	64.8	89.6	121	175	273	405	562	756	990	1229	1474	1756	2015	2149
-20	5.13	8.06	18.4	34.7	54.8	78.2	108	152	242	379	547	745	1001	1287	1583	1956	2385	2727	2828
-15	4.70	5.28	13.2	28.0	47.7	70.8	98.7	138	218	353	532	734	992	1317	1708	2270	3031	3763	4161
-10	4.38	7.26	18.4	36.0	58.5	83.9	116	173	290	464	673	911	1230	1638	2226	3161	4307	5224	5536
-5	4.05	4.55	12.7	28.2	49.0	73.3	103	147	243	400	607	831	1121	1513	2075	3003	4269	5484	6195
0	3.80	6.64	17.9	36.0	58.5	84.5	118	181	305	495	715	962	1298	1780	2559	3808	5270	6482	6942
5	3.60	4.01	11.9	27.1	47.4	71.3	100	143	235	389	592	813	1098	1481	2014	2876	4048	5175	5844
10	3.45	5.99	16.5	33.4	55.0	79.6	110	163	273	440	640	871	1179	1558	2060	2837	3785	4559	4834
15	3.36	3.68	10.8	24.7	43.3	65.2	91.3	127	200	326	494	687	932	1237	1579	2037	2647	3235	3563
20	3.30	5.56	14.8	29.8	48.4	70.3	97.4	136	215	340	497	680	919	1178	1421	1701	2012	2257	2335
25	3.39	3.64	9.58	21.4	37.2	56.2	78.4	106	152	237	356	499	676	886	1091	1282	1489	1677	1777
30	3.48	5.22	12.5	24.8	40.2	58.8	80.2	106	147	223	326	449	598	764	910	1026	1129	1205	1227
35	3.69	3.85	8.33	17.5	30.2	45.3	62.8	83.1	109	151	215	298	397	516	637	734	813	874	904
40	3.88	5.11	10.5	19.7	31.5	45.0	60.8	78.4	99.3	126	168	222	286	368	447	508	551	576	583
45	4.11	4.19	7.21	13.7	22.9	33.8	46.5	61.0	77.1	95.5	120	153	192	241	296	345	382	408	419
50	4.27	4.98	8.39	14.5	22.7	32.4	43.4	55.9	68.9	82.6	96.9	114	133	158	188	214	237	252	256
55	4.51	4.54	6.31	10.3	16.1	23.3	31.7	41.3	51.5	62.2	72.8	84.1	96.8	112	129	147	162	173	178
60	4.68	5.07	6.84	10.3	15.0	20.7	27.4	34.7	42.6	50.2	57.5	64.5	71.4	78.4	85.2	92.2	96.8	100.0	101
65	4.97	4.99	5.86	7.70	10.6	14.4	18.7	23.8	29.3	34.9	40.4	45.5	50.5	55.4	60.1	64.6	68.4	71.1	72.5
70	5.25	5.41	6.05	7.28	9.08	11.3	14.0	17.1	20.5	24.0	27.4	30.5	33.6	36.2	38.5	40.5	42.3	43.7	44.2
75	5.46	5.46	5.72	6.30	7.21	8.38	9.75	11.4	13.2	15.1	17.0	18.7	20.4	22.0	23.3	24.4	25.5	26.3	26.9
80	5.67	5.66	5.78	5.99	6.22	6.49	6.77	7.07	7.38	7.68	7.98	8.27	8.56	8.82	9.06	9.25	9.42	9.54	9.62
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:222.4V I:1.112A P:242.4W PF:0.9803 Freq:49.89Hz Lamp Flux:36420.9x1 lm		
NAME: ITSP4240304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	21.6	21.3	20.9	20.5	19.9	19.2	18.4	17.6	16.8	15.9	14.9	14.0	13.1	12.3	11.6	10.9	10.1	9.06
-75	44.1	43.3	42.0	40.3	38.5	36.5	34.1	31.8	29.3	26.6	23.8	21.0	18.4	16.1	14.1	12.5	11.3	9.86
-70	66.1	64.4	61.8	58.8	55.6	51.9	48.0	44.0	39.8	35.2	30.3	25.9	21.8	18.2	15.3	13.0	11.3	9.79
-65	103	100	96.1	90.8	85.0	78.6	72.0	65.4	58.8	51.8	44.5	37.2	30.4	24.6	19.6	15.5	12.7	10.6
-60	138	133	126	118	109	100	90.6	81.5	72.3	62.6	52.8	43.0	34.2	26.7	20.3	15.4	12.1	10.3
-55	235	225	208	188	166	144	127	111	96.6	83.2	69.7	57.0	45.3	35.1	26.3	19.0	13.9	11.0
-50	326	305	275	240	204	174	150	129	110	93.2	76.3	61.3	47.9	36.0	25.9	17.9	12.8	10.7
-45	521	497	457	405	343	277	223	180	144	117	95.9	77.3	60.6	46.0	33.1	22.4	14.9	11.1
-40	702	662	601	521	427	333	259	201	155	124	100	79.4	61.2	45.1	31.2	20.0	12.8	10.5
-35	1080	1014	919	808	679	535	406	305	224	162	123	96.6	74.6	55.7	39.1	25.2	15.2	10.5
-30	1416	1295	1152	997	817	626	467	340	238	164	123	95.7	72.3	52.6	35.3	21.3	12.2	9.67
-25	2099	1879	1587	1320	1087	851	633	467	330	221	150	112	85.7	63.4	43.8	27.2	15.1	9.65
-20	2639	2232	1797	1454	1169	893	656	478	328	212	142	107	80.5	58.1	38.1	22.0	11.6	8.87
-15	4054	3472	2658	1943	1468	1118	826	608	430	280	177	124	93.6	68.5	46.8	28.3	14.7	8.85
-10	5097	4077	2894	2001	1471	1096	805	591	402	253	159	114	84.9	61.0	39.6	22.2	11.1	8.22
-5	6017	5057	3720	2503	1729	1263	930	690	489	313	194	130	96.9	70.5	47.9	28.3	14.1	8.09
0	6317	5003	3489	2277	1569	1142	844	625	426	264	163	116	86.0	61.5	39.2	21.5	10.2	7.49
5	5686	4797	3560	2429	1695	1241	914	678	479	306	189	126	94.5	68.7	46.5	27.2	13.2	7.25
10	4481	3634	2651	1895	1415	1055	777	568	384	240	151	109	80.8	57.7	37.0	20.0	9.23	6.64
15	3491	3035	2385	1801	1387	1058	781	575	403	260	164	115	86.4	62.9	42.3	24.6	11.7	6.30
20	2212	1930	1612	1339	1084	825	606	440	298	191	128	96.1	72.0	51.1	32.4	17.3	7.69	5.65
25	1748	1598	1390	1185	985	768	570	419	293	194	131	97.9	74.3	54.0	36.0	20.8	9.74	5.25
30	1187	1103	1000	874	714	544	405	292	201	137	103	79.6	59.7	42.1	26.6	14.1	6.03	4.65
35	894	849	779	690	578	450	340	254	184	132	99.9	78.4	59.8	43.2	28.7	16.5	7.80	4.40
40	573	543	492	423	339	262	203	156	120	96.8	78.3	61.6	46.2	32.6	20.5	10.9	4.86	4.09
45	416	398	366	321	267	213	171	137	110	89.5	73.2	58.4	44.9	32.4	21.6	12.5	6.37	4.07
50	248	230	206	178	149	128	111	95.5	81.6	68.6	56.0	44.2	33.2	23.3	14.9	8.38	4.47	4.05
55	176	168	155	139	120	105	92.7	81.1	70.4	60.3	50.0	40.2	30.8	22.5	15.3	9.39	5.60	4.24
60	99.5	95.9	91.0	84.9	78.3	71.6	65.0	58.2	51.2	43.5	36.0	28.6	21.6	15.6	10.5	6.78	4.67	4.44
65	72.1	70.3	67.3	63.5	59.4	54.8	50.1	45.3	40.4	35.0	29.3	23.9	18.7	14.2	10.3	7.25	5.40	4.76
70	43.6	42.5	40.8	39.0	36.8	34.3	31.4	28.6	25.3	21.9	18.3	15.0	12.1	9.50	7.39	5.98	5.17	5.08
75	26.8	26.3	25.5	24.6	23.5	22.2	20.7	19.1	17.5	15.6	13.6	11.7	10.0	8.45	7.14	6.17	5.56	5.34
80	9.63	9.59	9.51	9.37	9.21	9.00	8.73	8.44	8.13	7.78	7.39	7.01	6.64	6.32	6.01	5.80	5.62	5.61
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: