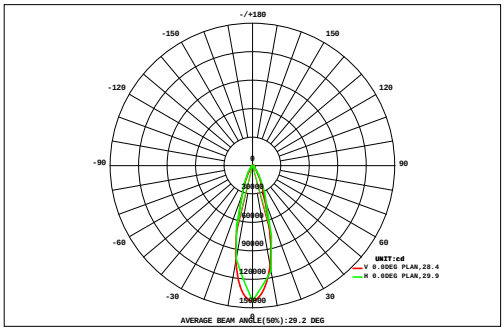
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		2842.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	60.8V x 57.4H
	At 50% of Imax	29.9V x 28.4H
	At 90% of Imax	8.0V x 11.6H
Beam Flux	Total	999.4 lumens per klm.
	To 10% of Imax	788.2 lumens per klm.
	To 50% of Imax	397.5 lumens per klm.
	To 90% of Imax	49.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:164.34lm/W	
MODEL		Imax(cd)	142798
NOMINAL POWER(W)	300	AVAILABILITY(%)	79.2
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	39777
NOMINAL FLUX(lm)	50244.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	50244
TEST VOLTAGE(V)	220	q @50%(H,V)	28,30DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG) 10	15	20	25	30	35	40	45	F t	F a
45	5.54	6.77	8.38	10.6	13.5	16.9	20.6	23.7	25.4	25.2	23.3	20.1	16.3	13.0	10.6	9.03	7.65	6.23	263	0.00
40	6.49	8.31	10.8	14.4	18.9	23.9	29.0	32.7	33.9	32.2	28.2	22.6	17.3	13.3	11.0	9.50	7.87	6.23	327	0.00
35	6.86	9.67	14.4	21.8	31.8	42.8	54.5	65.3	72.5	73.8	68.2	57.3	43.9	31.2	20.4	13.1	9.55	7.77	645	0.00
30	9.04	14.3	22.8	35.7	51.0	67.2	83.6	97.0	103	100	88.1	70.2	51.3	34.2	20.4	12.4	9.28	7.86	878	76.3
25	9.53	15.7	27.1	43.4	67.1	100.0	138	174	200	207	190	157	116	76.5	46.3	26.5	14.7	9.46	1620	1206
20	14.8	26.7	45.9	71.6	110	162	216	261	285	277	239	186	127	77.0	44.5	24.5	13.0	9.06	2190	1829
15	12.6	23.2	41.7	71.1	118	185	292	458	589	629	559	402	248	154	88.8	47.1	24.5	12.8	3956	3654
-15	21.0	39.8	68.7	118	194	301	503	744	876	851	670	409	238	143	75.6	38.4	19.6	11.1	5321	5041
-20	14.5	28.0	51.2	89.7	152	254	460	722	922	1009	932	704	399	219	125	63.0	31.6	16.1	6191	5928
-25	24.1	45.8	81.6	143	234	432	772	1021	1156	1135	936	609	301	168	88.1	42.3	21.6	12.0	7223	6971
-30	13.3	25.8	47.1	82.9	140	209	379	648	839	922	857	650	381	213	123	62.3	31.2	16.4	5641	5368
-35	20.5	38.5	68.2	118	187	292	503	714	807	775	600	346	199	130	67.3	34.0	18.4	11.1	4928	4652
-40	10.4	18.8	34.3	58.1	96.0	145	206	320	419	464	447	361	233	144	85.9	45.9	24.7	14.0	3126	2798
-45	13.9	25.4	43.5	69.6	107	155	190	199	200	178	143	122	100	61.4	34.5	20.9	13.2	9.51	1686	1237
	8.19	12.0	20.1	33.5	52.2	76.5	108	141	169	183	172	144	109	74.6	46.8	28.2	17.3	11.6	1405	946
	9.42	13.4	21.5	33.6	46.7	60.4	74.8	85.7	87.0	79.4	66.1	49.4	34.9	25.2	18.3	13.3	10.4	9.16	739	71.0
	7.00	9.00	11.9	17.0	24.5	33.6	44.3	55.2	63.7	67.0	64.1	55.6	43.9	32.8	23.5	17.0	12.6	9.59	592	0.00
	7.48	9.42	11.5	13.8	17.1	21.3	24.2	24.8	23.3	20.8	18.2	16.2	14.3	12.4	11.2	10.6	9.53	7.70	274	0.00
F t	215	371	631	1045	1661	2575	4099	5787	6871	7026	6102	4381	2673	1623	942	518	297	188	47004	---
F a	0.00	0.00	24.4	412	1206	2179	3727	5423	6515	6655	5724	4063	2342	1169	339	0.00	0.00	0.00	---	39777

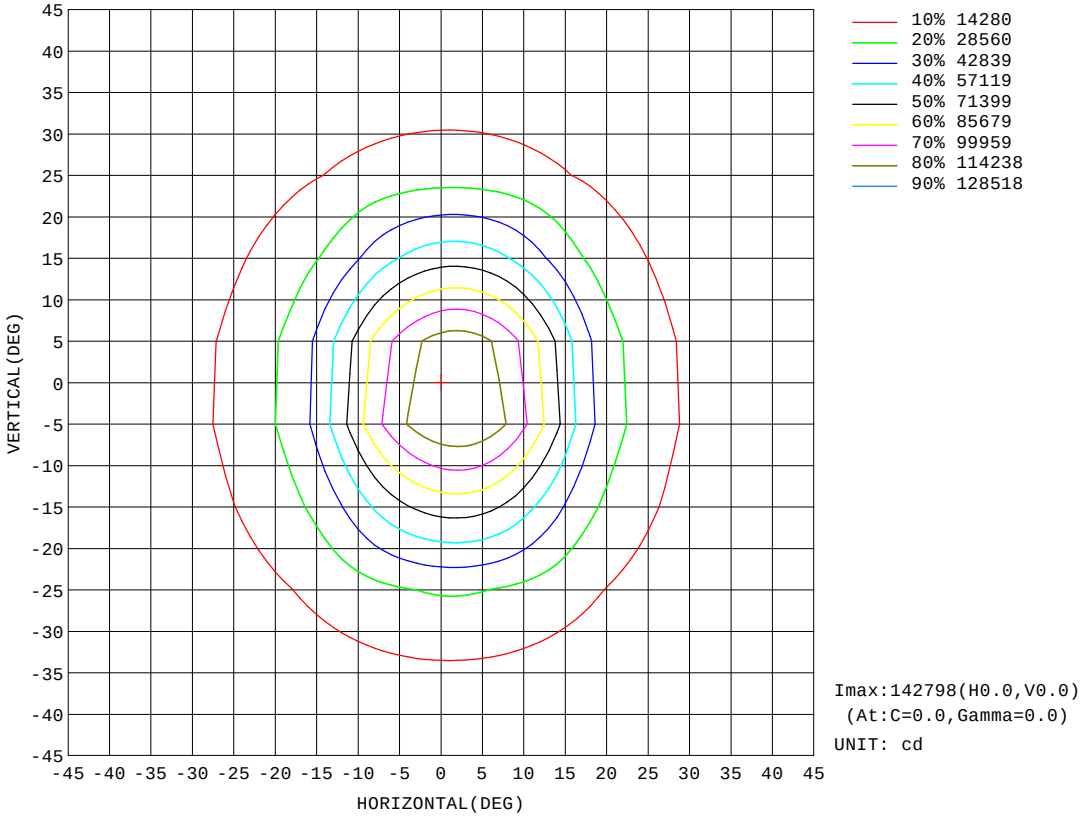
one-half-peak spread: U:15.8,D:14.3 , L:14.9,R:13.7 **NEMA Beam Type: Type 4**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:13 May 2020

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:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

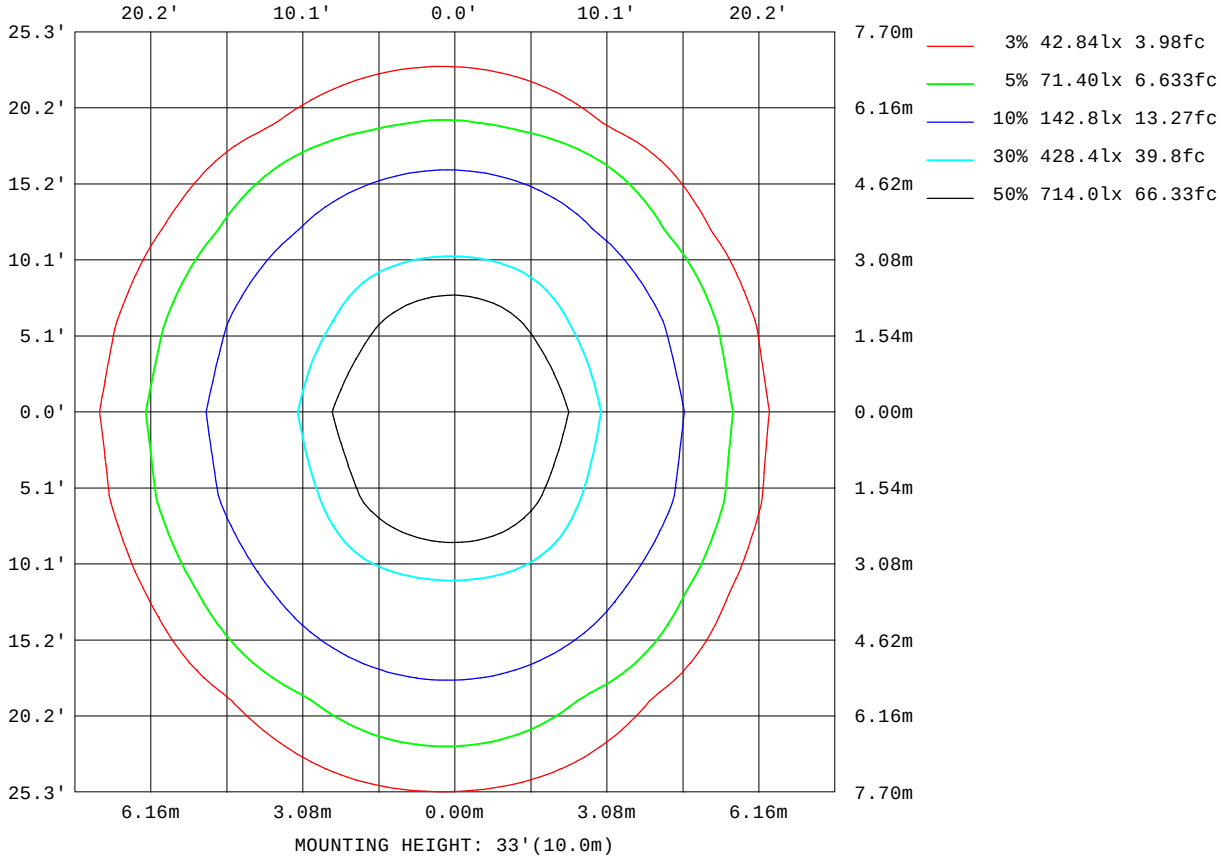


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:13 May 2020

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

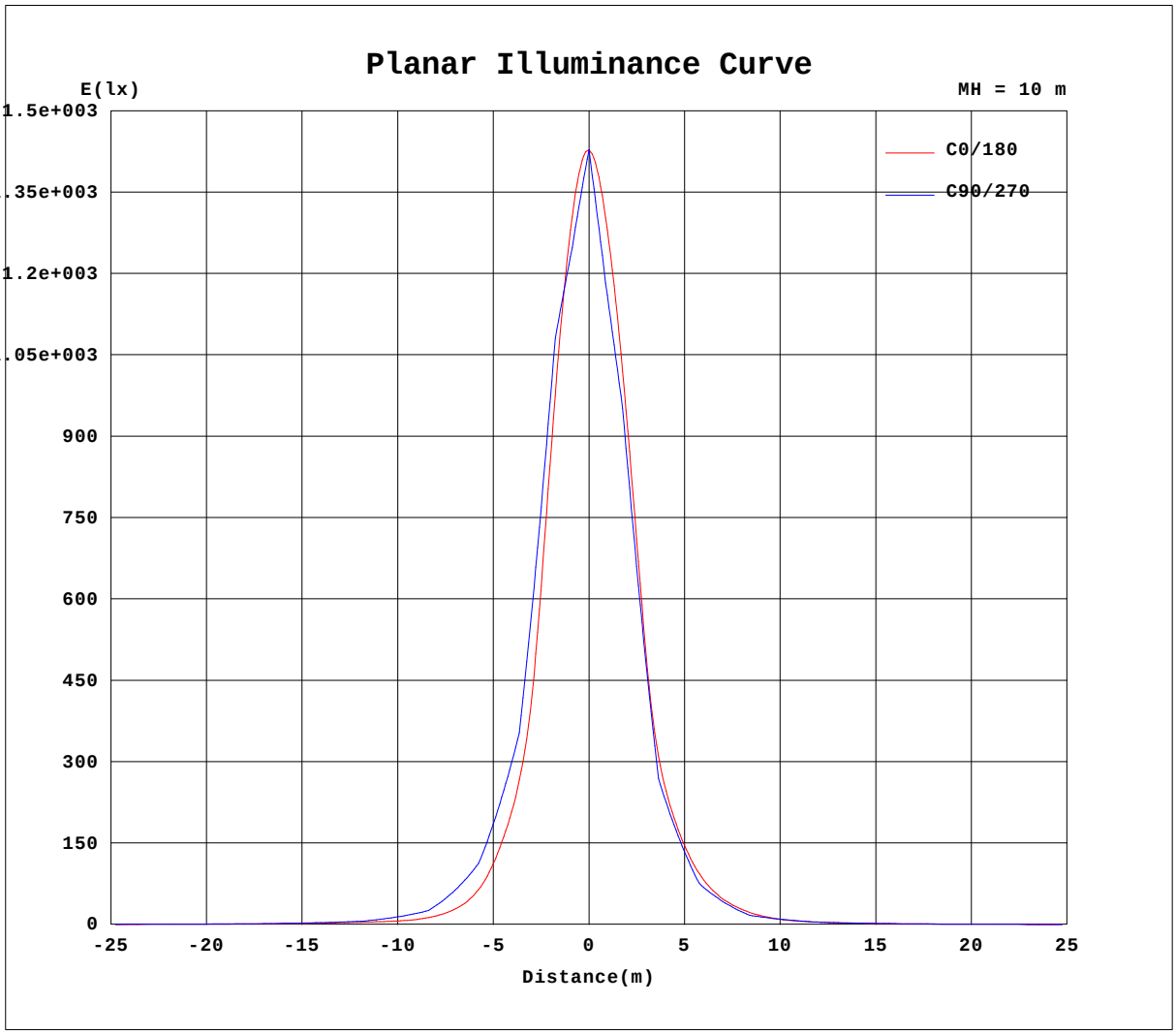
Test:U:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:13 May 2020

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



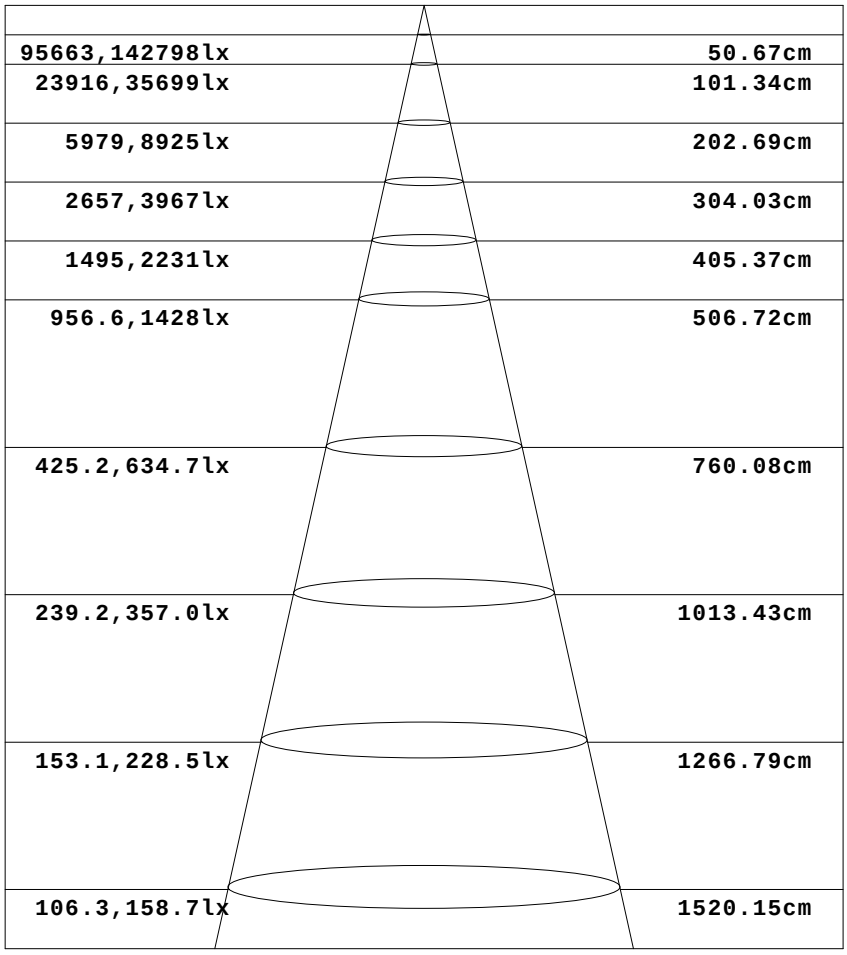
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:13 May 2020

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:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:20101 lm



Height Eavg,Emax Angle:28.43deg 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:13 May 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	1.52	1.57	1.94	2.34	2.58	2.86	3.21	3.57	3.86	4.07	4.40	4.69	4.98	5.24	5.47	5.66	5.85	5.99	6.02
-75	1.51	1.62	1.94	2.56	3.07	3.56	4.13	4.88	5.27	5.52	5.78	6.11	6.39	6.68	6.95	7.21	7.44	7.61	7.70
-70	1.59	1.79	2.42	3.21	3.91	4.70	5.66	6.55	6.89	7.16	7.46	7.76	8.05	8.34	8.66	8.95	9.18	9.33	9.37
-65	1.53	1.70	2.27	3.29	4.25	5.38	5.92	6.78	7.40	7.88	8.39	8.88	9.35	9.80	10.2	10.7	11.1	11.3	11.5
-60	1.57	1.89	2.90	4.12	5.33	6.56	6.82	7.55	8.29	8.99	9.72	10.4	11.0	11.6	12.2	12.7	13.2	13.4	13.6
-55	1.48	1.67	2.55	4.04	5.55	6.46	7.06	7.82	8.70	9.55	10.4	11.4	12.5	13.8	15.0	16.2	17.2	17.9	18.2
-50	1.46	1.90	3.36	5.04	6.42	6.86	7.86	8.77	9.80	10.8	11.9	13.3	15.0	16.9	18.8	20.5	21.8	22.7	23.0
-45	1.32	1.56	2.80	4.69	6.16	6.81	7.81	8.81	9.83	11.0	12.6	14.7	17.4	21.1	25.8	31.1	36.0	39.4	40.6
-40	1.23	1.89	3.83	5.95	6.39	7.54	8.57	9.64	10.8	12.4	14.8	18.1	22.5	28.7	36.9	45.8	53.2	57.6	58.0
-35	1.05	1.39	3.07	5.26	6.19	7.33	8.41	9.50	10.8	12.7	15.7	20.6	29.4	42.0	57.1	74.7	93.4	109	116
-30	0.92	1.91	4.16	5.95	6.82	8.01	9.11	10.3	12.1	15.0	19.8	29.1	45.6	66.8	90.7	119	147	168	173
-25	0.76	1.27	3.31	5.70	6.47	7.79	8.94	10.2	12.1	15.2	21.4	34.0	54.7	84.0	123	172	225	272	299
-20	0.72	2.12	4.43	5.84	7.23	8.51	9.71	11.3	14.2	19.3	31.4	53.3	84.7	130	192	268	343	404	426
-15	0.60	1.33	3.46	5.83	6.75	8.15	9.41	11.0	13.7	18.7	30.3	52.8	87.5	141	214	320	505	682	771
-10	0.62	2.15	4.61	5.96	7.47	8.83	10.2	12.4	16.5	25.1	44.7	76.6	127	205	311	501	826	1054	1131
-5	0.53	1.43	3.51	5.72	6.86	8.31	9.65	11.5	14.9	21.7	37.6	66.4	111	183	286	471	814	1108	1262
0	0.56	2.11	4.60	5.90	7.48	8.87	10.4	12.7	17.4	28.0	50.5	86.2	145	236	374	698	1068	1318	1428
5	0.47	1.39	3.42	5.60	6.74	8.17	9.49	11.3	14.5	21.4	36.8	64.9	107	176	277	453	761	1041	1197
10	0.59	1.99	4.42	5.74	7.21	8.55	9.86	11.8	15.8	24.5	42.7	72.3	117	189	288	439	705	921	996
15	0.45	1.32	3.18	5.49	6.40	7.77	8.98	10.4	12.9	17.8	28.9	49.2	79.4	124	191	280	421	573	655
20	0.63	1.89	4.08	5.38	6.74	8.00	9.12	10.6	13.0	18.2	28.9	47.8	73.8	109	158	218	272	312	324
25	0.53	1.24	2.85	5.16	5.90	7.21	8.31	9.41	10.9	13.7	19.4	30.3	47.1	69.5	99.7	137	174	204	220
30	0.66	1.75	3.62	5.23	6.14	7.33	8.34	9.32	10.7	12.9	17.1	24.9	36.7	52.6	69.4	86.7	103	114	116
35	0.63	1.18	2.52	4.58	5.35	6.49	7.55	8.48	9.45	10.8	13.0	17.2	23.5	32.7	43.4	54.5	65.6	74.2	77.8
40	0.72	1.63	3.05	4.99	5.43	6.52	7.53	8.39	9.19	10.2	11.7	13.9	17.0	21.3	26.2	31.5	36.1	38.7	38.7
45	0.69	1.10	2.21	3.82	5.03	5.67	6.64	7.51	8.32	9.17	10.1	11.5	13.3	15.8	18.8	22.1	25.3	27.5	28.1
50	0.74	1.45	2.46	4.08	5.10	5.59	6.47	7.28	8.12	8.84	9.52	10.4	11.4	12.6	14.1	15.4	16.5	17.1	17.2
55	0.71	1.00	1.86	2.93	4.33	5.11	5.62	6.32	7.08	7.80	8.44	9.10	9.85	10.7	11.6	12.5	13.3	13.8	14.0
60	0.74	1.20	2.00	2.89	4.18	5.10	5.28	5.97	6.64	7.27	7.87	8.43	8.97	9.41	9.82	10.2	10.5	10.7	10.8
65	0.73	0.91	1.51	2.16	3.04	4.03	4.56	5.34	5.81	6.26	6.71	7.15	7.55	7.93	8.27	8.60	8.88	9.07	9.14
70	0.77	0.98	1.54	2.07	2.63	3.45	4.39	5.13	5.34	5.60	5.92	6.20	6.46	6.72	6.98	7.22	7.41	7.50	7.51
75	0.77	0.85	1.16	1.58	1.95	2.40	2.98	3.64	3.91	4.13	4.38	4.68	4.93	5.16	5.38	5.57	5.75	5.89	5.95
80	0.81	0.84	1.13	1.38	1.57	1.80	2.09	2.39	2.65	2.85	3.08	3.37	3.59	3.77	3.93	4.06	4.22	4.34	4.40
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	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:13 May 2020

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:221.2V I:1.389A P:305.7W PF:0.9952 Freq:49.89Hz Lamp Flux:50244.5x1 lm		
NAME: ITSP2300304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	5.97	5.83	5.67	5.57	5.39	5.12	4.88	4.63	4.28	4.05	3.82	3.52	3.17	2.89	2.62	2.21	1.84	1.69
-75	7.69	7.59	7.42	7.25	7.06	6.82	6.59	6.35	6.03	5.74	5.50	5.16	4.41	3.78	3.29	2.74	2.14	1.84
-70	9.36	9.23	9.02	8.79	8.56	8.33	8.11	7.87	7.53	7.21	6.98	6.19	5.12	4.24	3.60	2.75	2.13	1.85
-65	11.4	11.3	11.0	10.7	10.3	9.99	9.63	9.23	8.76	8.27	7.78	7.16	6.36	5.64	4.53	3.48	2.47	2.02
-60	13.4	13.2	12.8	12.3	11.8	11.4	10.8	10.2	9.60	8.94	8.16	7.39	7.21	6.06	4.63	3.34	2.33	1.95
-55	18.2	17.8	17.0	16.0	14.9	13.8	12.8	11.8	11.0	10.2	9.36	8.45	7.68	6.99	5.95	4.28	2.79	2.10
-50	22.7	21.8	20.5	19.0	17.1	15.4	13.9	12.7	11.7	10.8	9.84	8.83	7.76	7.29	5.90	3.91	2.48	1.97
-45	39.6	36.6	32.3	27.6	23.1	19.5	17.1	15.2	13.4	12.0	10.9	9.80	8.67	7.57	6.95	5.08	3.05	2.05
-40	54.5	48.1	40.3	32.5	25.9	21.5	18.8	16.1	13.8	12.2	11.0	9.89	8.67	7.39	6.85	4.48	2.48	1.79
-35	112	98.8	79.5	60.1	43.7	31.5	23.6	18.7	16.0	13.7	11.9	10.6	9.43	8.11	7.09	5.65	3.26	1.85
-30	161	135	103	73.9	50.7	34.3	23.8	18.8	16.4	13.6	11.7	10.4	9.17	7.76	6.99	4.82	2.46	1.48
-25	290	250	196	139	90.1	55.7	34.8	23.2	18.0	15.5	12.9	11.1	9.84	8.50	7.05	5.97	3.44	1.63
-20	392	323	243	162	98.6	57.6	34.6	22.3	17.5	15.3	12.4	10.7	9.47	8.03	6.73	5.10	2.61	1.25
-15	755	621	418	261	164	92.5	51.0	30.0	19.9	16.7	14.0	11.6	10.1	8.78	7.23	6.19	3.50	1.48
-10	1038	761	442	275	166	87.6	47.3	27.4	18.8	16.4	13.3	11.1	9.75	8.29	6.74	5.27	2.74	1.15
-5	1244	1026	667	364	222	122	63.3	35.1	21.3	17.2	14.8	11.9	10.3	8.87	7.29	6.41	3.49	1.45
0	1321	1021	598	322	190	99.3	52.2	28.8	19.0	16.5	13.5	11.1	9.74	8.25	6.67	5.23	2.65	0.98
5	1174	963	627	347	210	116	61.3	33.5	20.4	16.7	14.5	11.6	10.0	8.68	7.13	6.37	3.36	1.49
10	900	653	390	247	148	80.4	44.2	24.5	17.4	15.6	12.6	10.6	9.32	7.92	6.39	4.96	2.50	0.94
15	636	519	350	224	141	80.9	45.1	25.5	17.4	15.2	12.9	10.7	9.39	8.13	6.68	5.79	3.05	1.40
20	300	253	191	128	79.4	47.9	27.3	17.6	15.1	13.4	11.0	9.58	8.49	7.20	6.01	4.42	2.20	0.89
25	213	187	149	107	69.5	42.9	26.3	17.6	14.6	12.9	10.8	9.47	8.45	7.29	5.98	4.98	2.66	1.19
30	109	93.0	73.0	53.3	35.7	22.7	16.4	14.3	12.8	10.8	9.43	8.53	7.52	6.28	5.70	3.69	1.87	0.72
35	75.2	66.7	54.3	41.4	30.1	21.3	16.1	13.7	12.1	10.5	9.25	8.34	7.40	6.34	5.53	4.20	2.26	0.99
40	35.9	31.0	25.1	20.0	16.7	14.9	13.4	11.7	10.1	9.07	8.32	7.43	6.47	5.48	5.04	2.93	1.56	0.63
45	27.2	24.8	21.5	18.2	15.5	13.6	12.3	11.0	9.80	8.86	8.04	7.23	6.33	5.53	4.98	3.38	1.92	0.87
50	16.9	16.1	15.1	13.9	12.6	11.3	10.2	9.34	8.66	7.94	7.15	6.33	5.48	5.27	3.93	2.40	1.32	0.63
55	13.9	13.5	12.9	12.1	11.2	10.4	9.53	8.79	8.14	7.53	6.83	6.09	5.53	4.92	3.93	2.62	1.63	0.83
60	10.6	10.4	10.0	9.63	9.21	8.76	8.25	7.69	7.13	6.57	5.89	5.34	5.27	4.08	2.85	1.98	1.10	0.70
65	9.10	8.97	8.72	8.40	8.05	7.70	7.34	6.95	6.53	6.13	5.74	5.19	4.51	3.81	2.85	2.05	1.32	0.84
70	7.47	7.35	7.16	6.90	6.63	6.36	6.13	5.86	5.60	5.39	5.18	4.33	3.45	2.69	2.11	1.59	0.97	0.78
75	5.95	5.87	5.72	5.54	5.33	5.08	4.85	4.61	4.33	4.13	3.94	3.58	2.88	2.36	1.94	1.55	1.05	0.87
80	4.37	4.29	4.15	4.01	3.84	3.62	3.38	3.10	2.89	2.73	2.48	2.17	1.89	1.67	1.47	1.16	0.89	0.85
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:13 May 2020

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: