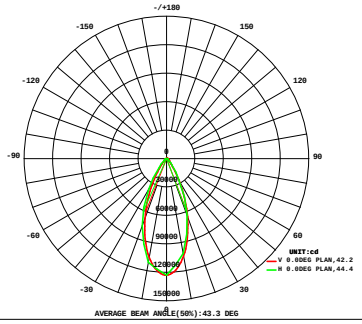
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1595.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	77.9V x 72.8H
	At 50% of Imax	44.4V x 42.2H
	At 90% of Imax	15.9V x 16.3H
Beam Flux	Total	997.6 lumens per klm.
	To 10% of Imax	856.0 lumens per klm.
	To 50% of Imax	496.5 lumens per klm.
	To 90% of Imax	79.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:152.58lm/W	
MODEL		Imax(cd)	122901
NOMINAL POWER(W)	500	AVAILABILITY(%)	85.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	66011
NOMINAL FLUX(lm)	77010.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	77010
TEST VOLTAGE(V)	220	q @50%(H,V)	42,44DEG

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	0.03	0.18	0.47	0.91	1.61	3.17	8.91	20.4	33.8	35.2	22.5	10.6	3.86	1.69	0.94	0.48	0.19	0.03	145	0.00
80	0.55	2.59	6.08	10.8	16.3	21.4	25.9	29.0	31.4	31.3	28.8	25.6	21.0	15.8	10.3	5.74	2.41	0.52	285	0.00
70	0.53	2.87	7.57	13.3	19.8	27.1	34.5	41.3	45.8	45.9	41.6	35.0	27.3	19.9	13.2	7.34	2.75	0.51	386	0.00
60	0.61	3.61	9.06	16.1	25.7	38.9	55.7	74.0	86.6	87.0	74.8	56.6	39.5	26.0	16.3	9.03	3.56	0.59	624	0.00
50	0.67	4.26	10.2	19.3	34.2	60.4	106	169	220	224	175	111	62.2	35.1	19.9	10.5	4.35	0.70	1268	0.00
40	0.74	4.75	11.7	23.4	47.8	104	239	466	660	668	488	256	111	49.3	24.6	12.5	5.10	0.83	3174	2139
30	0.80	5.23	13.3	28.7	67.3	185	529	1119	1586	1600	1160	570	201	70.1	30.3	14.6	5.88	0.98	7188	6540
-30	0.85	5.62	14.6	33.9	88.8	292	937	1938	2692	2718	1989	997	319	93.2	35.7	16.3	6.55	1.11	12180	11633
-40	0.89	5.87	15.4	37.1	102	368	1211	2447	3442	3466	2505	1282	404	109	39.2	17.4	6.96	1.20	15461	14950
-50	0.91	5.95	15.5	37.2	101	357	1169	2384	3342	3368	2438	1233	389	107	39.7	17.7	7.08	1.23	15012	14491
-60	0.91	5.84	14.9	34.0	85.5	261	820	1732	2439	2457	1778	877	286	91.3	37.3	17.2	6.94	1.23	10944	10359
-70	0.89	5.65	13.9	29.5	66.4	160	414	886	1289	1290	908	438	170	71.0	33.0	16.1	6.62	1.18	5799	5053
-80	0.85	5.40	12.8	25.0	48.9	95.6	177	300	421	429	315	188	102	53.9	28.5	14.8	6.23	1.12	2225	846
-90	0.81	5.06	11.8	21.5	36.4	60.5	93.5	124	142	143	126	96.3	64.4	39.9	24.1	13.3	5.66	1.03	1010	0.00
	0.77	4.48	10.5	18.3	27.8	39.5	53.2	66.4	74.0	74.5	67.9	55.5	41.9	29.9	19.8	11.4	4.83	0.91	602	0.00
	0.71	3.63	8.71	14.8	21.4	27.9	33.7	38.2	41.3	41.6	38.9	34.5	28.6	22.0	15.2	8.81	3.75	0.79	385	0.00
	0.62	2.78	6.06	10.4	14.8	19.0	22.1	24.0	25.8	26.0	24.0	21.9	18.7	14.5	10.0	5.84	2.73	0.65	250	0.00
	0.28	1.08	2.04	3.14	4.39	5.76	6.53	6.94	7.27	7.23	6.73	6.12	5.26	4.00	2.87	1.90	1.03	0.28	72.9	0.00
F t	12.4	74.8	185	377	811	2128	5937	11866	16580	16713	12188	6294	2294	853	401	201	82.6	14.9	77010	---
F a	0.00	0.00	0.00	0.00	0.00	822	4997	10943	15723	15870	11272	5377	1008	0.00	0.00	0.00	0.00	0.00	---	66011

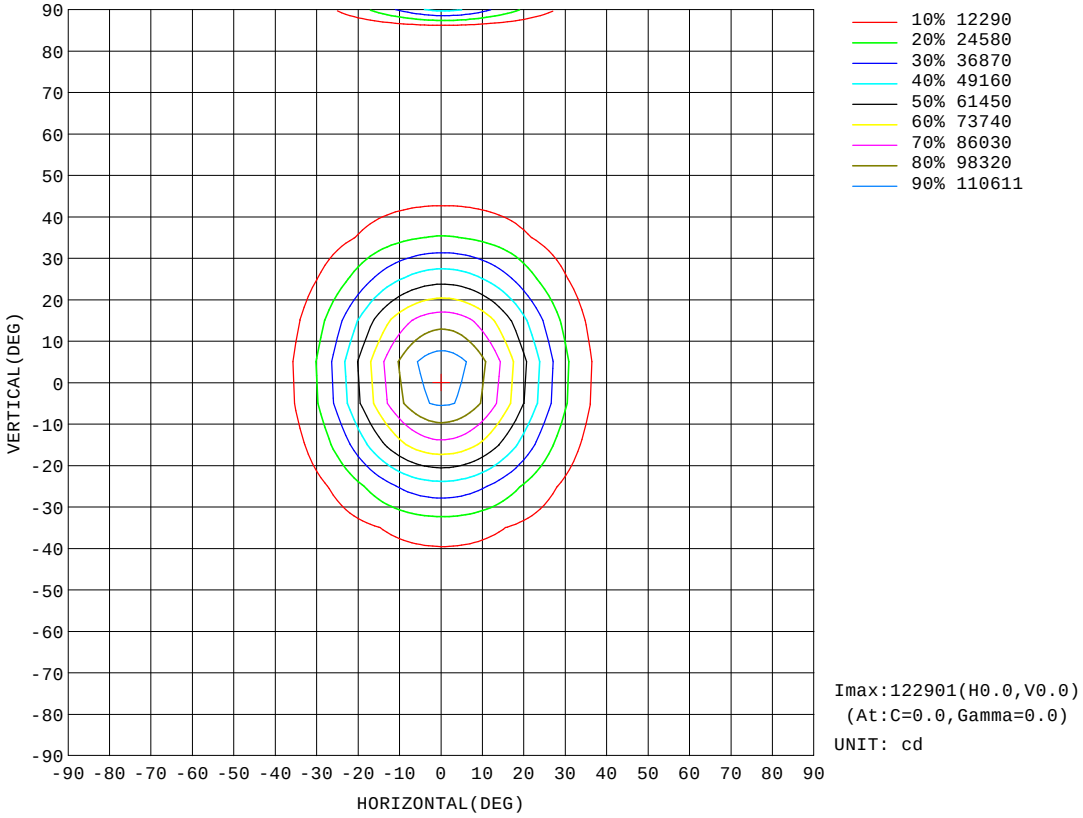
one-half-peak spread: U:20.8,D:24.0 , L:21.0,R:21.5 **NEMA Beam Type: Type 5**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 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:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

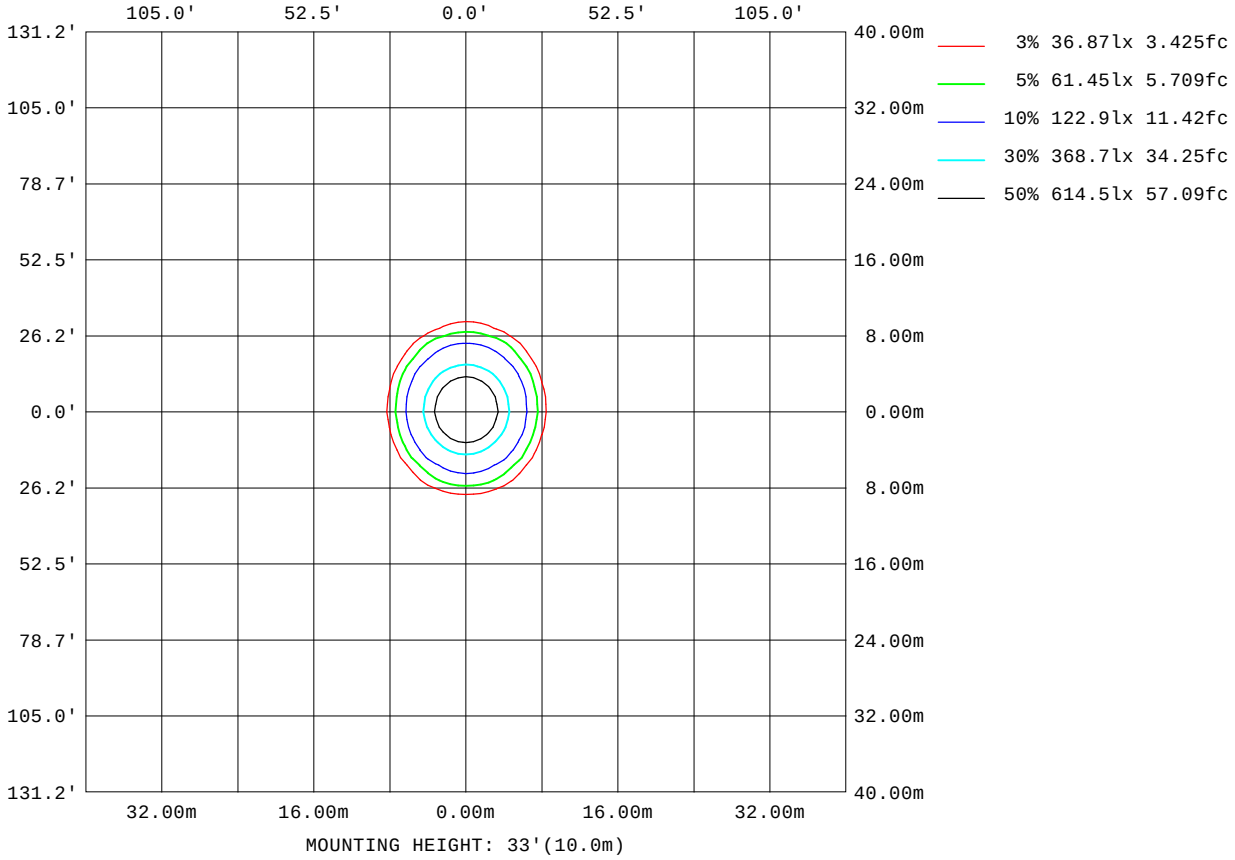


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

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

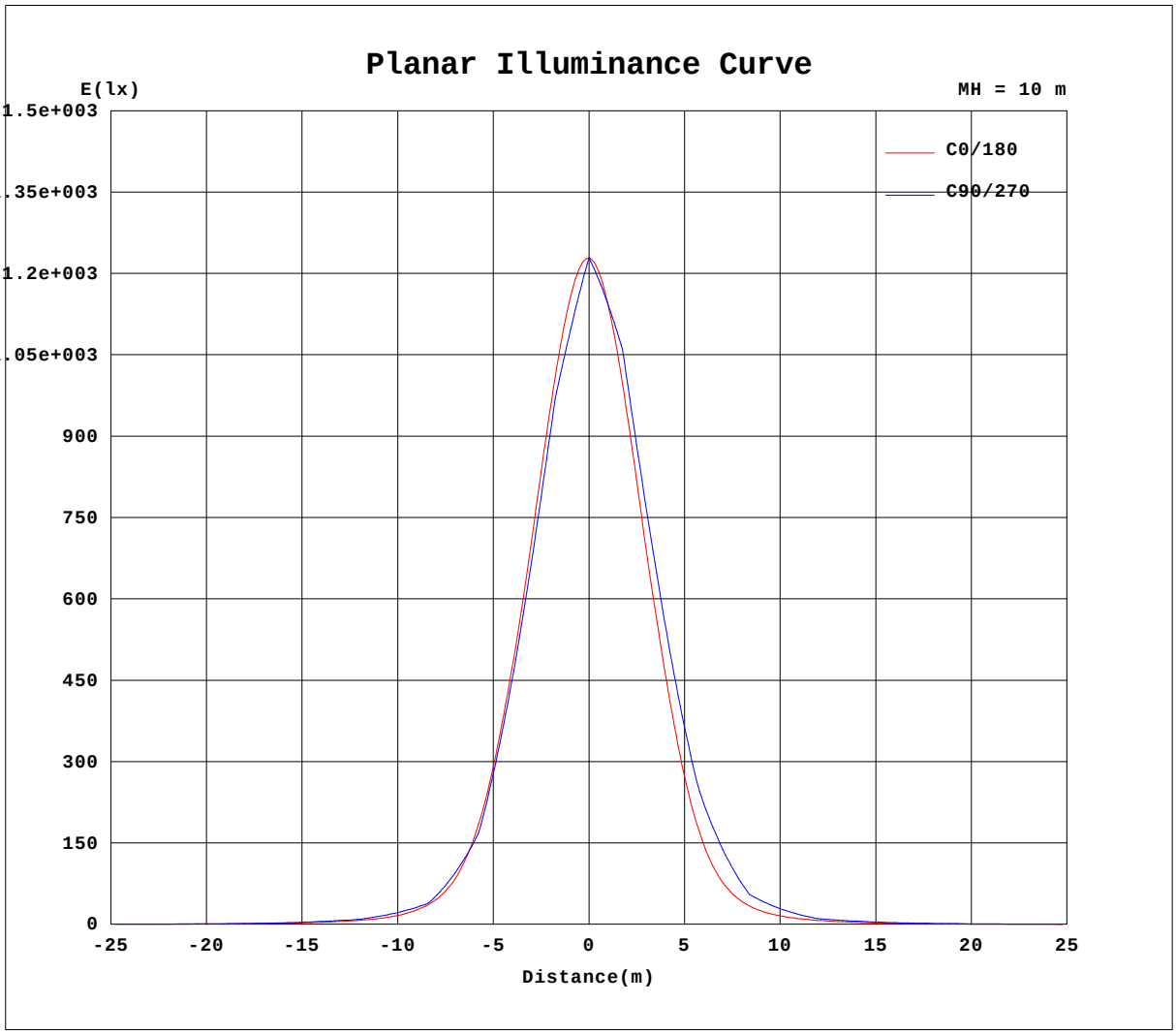
Test:U:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 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



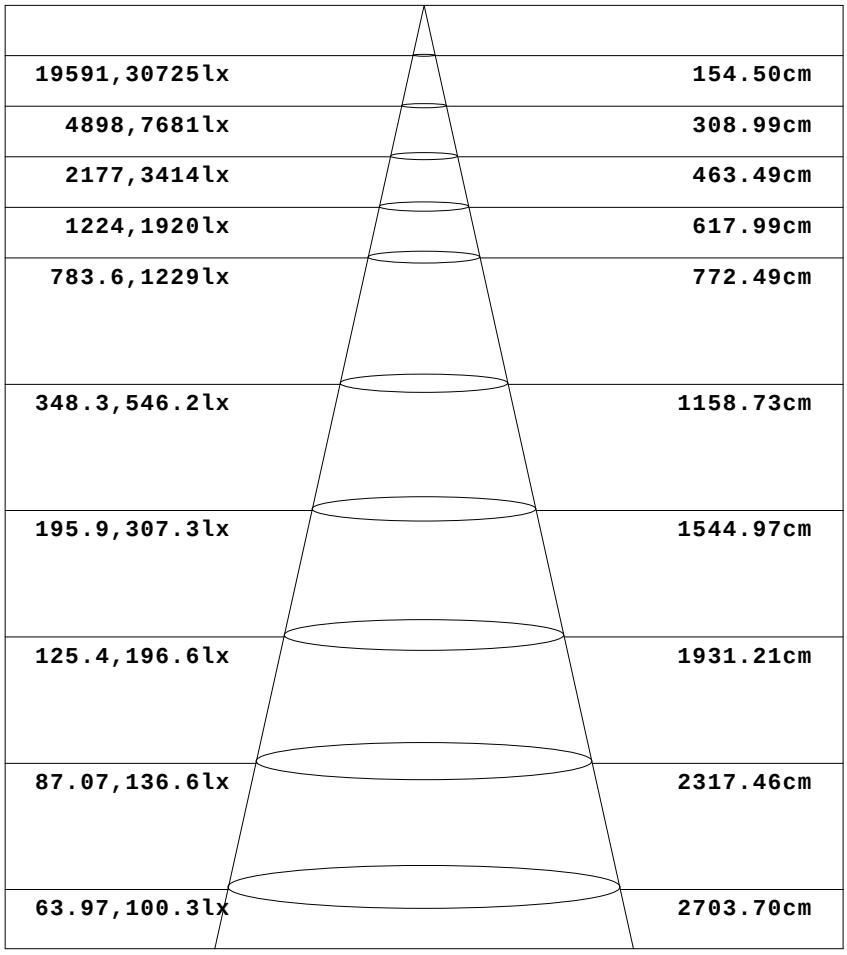
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

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:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:38200 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:16 September 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	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	2.11	2.09	2.44	3.02	3.34	3.66	4.00	4.35	4.66	4.95	5.37	5.62	5.77	5.86	5.91	5.93	6.02	6.14	6.16
-75	2.13	2.18	2.71	3.54	4.06	4.67	5.32	5.85	6.32	6.77	7.24	7.60	7.87	8.09	8.27	8.36	8.55	8.80	8.89
-70	2.14	2.27	2.99	4.05	4.79	5.67	6.63	7.35	7.98	8.59	9.11	9.59	9.96	10.3	10.6	10.8	11.1	11.4	11.6
-65	2.15	2.35	3.27	4.54	5.52	6.65	7.56	8.41	9.21	9.98	10.8	11.5	12.2	12.9	13.6	14.1	14.6	15.1	15.3
-60	2.15	2.43	3.55	5.04	6.26	7.63	8.48	9.47	10.5	11.4	12.4	13.4	14.4	15.5	16.5	17.4	18.2	18.7	18.9
-55	2.11	2.45	3.80	5.49	6.84	8.12	9.25	10.4	11.6	13.0	14.6	16.4	18.5	20.7	23.1	25.2	27.0	28.1	28.6
-50	2.06	2.46	4.05	5.95	7.41	8.62	10.0	11.3	12.8	14.7	16.9	19.5	22.5	25.9	29.6	33.0	35.7	37.4	38.2
-45	1.95	2.44	4.34	6.27	7.67	9.04	10.6	12.2	14.3	17.0	20.5	24.9	30.5	37.0	44.1	51.0	57.0	61.3	63.1
-40	1.84	2.41	4.64	6.60	7.92	9.46	11.1	13.1	15.7	19.3	24.1	30.4	38.5	48.0	58.6	69.1	78.4	85.2	87.9
-35	1.67	2.37	4.81	6.79	8.19	9.82	11.7	14.1	17.5	22.5	29.5	39.3	52.8	71.4	95.1	121	147	166	173
-30	1.49	2.33	4.97	6.97	8.45	10.2	12.2	15.1	19.4	25.8	34.9	48.2	67.2	94.9	132	174	215	247	259
-25	1.34	2.36	5.03	7.05	8.71	10.6	12.9	16.4	21.8	29.9	42.3	62.9	97.1	151	224	304	379	430	448
-20	1.18	2.39	5.09	7.12	8.97	11.0	13.6	17.6	24.2	34.0	49.7	77.6	127	207	316	434	542	613	637
-15	1.08	2.53	5.11	7.18	9.13	11.2	14.1	18.6	26.1	37.6	57.9	96.8	169	282	426	574	704	793	826
-10	0.98	2.67	5.13	7.23	9.29	11.5	14.6	19.7	28.1	41.3	66.0	116	211	357	537	714	866	974	1016
-5	0.92	2.64	5.10	7.25	9.37	11.6	14.9	20.2	29.1	43.4	71.4	129	237	400	595	785	954	1074	1122
0	0.86	2.61	5.07	7.28	9.44	11.8	15.1	20.8	30.1	45.6	76.9	141	264	443	652	855	1043	1175	1229
5	0.83	2.55	4.98	7.16	9.31	11.6	14.9	20.3	29.2	44.1	73.8	134	250	421	620	814	993	1119	1169
10	0.80	2.49	4.90	7.04	9.17	11.4	14.6	19.7	28.4	42.7	70.8	128	236	398	588	772	944	1063	1109
15	0.82	2.44	4.77	6.87	8.90	11.1	14.0	18.6	26.4	38.8	62.7	110	198	332	494	656	797	894	933
20	0.83	2.39	4.63	6.71	8.62	10.7	13.3	17.5	24.4	35.0	54.7	91.3	159	266	401	539	650	724	756
25	0.89	2.32	4.45	6.48	8.21	10.1	12.5	16.0	21.7	30.4	45.3	72.5	121	196	293	397	484	543	568
30	0.96	2.25	4.26	6.25	7.80	9.56	11.6	14.5	19.0	25.7	36.0	53.8	82.6	126	186	255	318	363	379
35	1.01	2.18	4.03	6.02	7.36	8.99	10.8	13.2	16.8	22.1	29.7	42.1	61.7	90.2	129	172	212	241	252
40	1.05	2.12	3.79	5.79	6.93	8.43	10.0	11.9	14.5	18.4	23.5	30.4	40.7	54.6	71.5	89.9	107	119	125
45	1.09	2.03	3.55	5.31	6.59	7.88	9.35	11.0	13.0	15.9	19.7	24.6	31.5	40.4	51.1	62.4	72.8	80.3	83.5
50	1.13	1.93	3.31	4.82	6.25	7.32	8.68	9.98	11.5	13.4	15.8	18.8	22.3	26.3	30.7	35.0	38.8	41.4	42.5
55	1.17	1.84	3.08	4.40	5.81	6.89	8.02	9.18	10.4	11.9	13.7	15.8	18.2	20.9	23.7	26.5	28.8	30.4	31.1
60	1.21	1.74	2.85	3.97	5.38	6.45	7.35	8.37	9.33	10.4	11.6	12.8	14.1	15.4	16.7	18.0	18.9	19.5	19.7
65	1.25	1.65	2.63	3.53	4.67	5.73	6.73	7.49	8.32	9.16	10.0	10.9	11.9	12.7	13.6	14.4	15.1	15.5	15.7
70	1.30	1.56	2.42	3.08	3.96	5.00	6.10	6.61	7.32	7.92	8.49	9.08	9.60	10.1	10.5	10.9	11.3	11.6	11.7
75	1.34	1.51	2.12	2.72	3.35	4.08	4.89	5.40	6.00	6.60	7.04	7.50	7.90	8.24	8.52	8.73	9.03	9.24	9.30
80	1.39	1.45	1.83	2.36	2.73	3.17	3.67	4.19	4.69	5.27	5.59	5.92	6.21	6.41	6.55	6.58	6.77	6.88	6.90
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:16 September 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:220.8V I:2.333A P:504.7W PF:0.9799 Freq:49.99Hz Lamp Flux:77010.4x1 lm		
NAME: ITSP2500454000	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	6.13	6.02	5.83	5.73	5.65	5.50	5.32	5.04	4.69	4.37	4.09	3.78	3.46	3.17	2.90	2.43	2.10	2.18
-75	8.84	8.64	8.36	8.22	8.05	7.78	7.50	7.14	6.64	6.16	5.67	5.14	4.52	3.96	3.46	2.80	2.27	2.26
-70	11.5	11.3	10.9	10.7	10.5	10.1	9.67	9.23	8.60	7.95	7.26	6.50	5.59	4.74	4.02	3.18	2.44	2.34
-65	15.2	14.9	14.3	13.8	13.2	12.5	11.8	11.1	10.3	9.49	8.63	7.70	6.74	5.66	4.65	3.58	2.63	2.42
-60	18.9	18.5	17.8	16.9	16.0	15.0	13.9	13.0	12.0	11.0	10.00	8.90	7.90	6.57	5.28	3.99	2.81	2.51
-55	28.3	27.4	25.8	23.8	21.6	19.4	17.4	15.6	14.0	12.6	11.3	10.0	8.73	7.34	5.87	4.40	2.96	2.53
-50	37.7	36.2	33.8	30.6	27.1	23.7	20.8	18.2	16.0	14.1	12.6	11.1	9.56	8.11	6.46	4.80	3.10	2.56
-45	61.9	58.0	52.3	45.5	38.5	32.1	26.6	22.1	18.6	15.9	13.7	11.9	10.2	8.57	7.02	5.16	3.20	2.51
-40	86.0	79.8	70.8	60.4	49.9	40.4	32.5	26.0	21.2	17.6	14.8	12.8	10.9	9.04	7.58	5.52	3.29	2.45
-35	168	151	126	99.7	75.7	56.4	41.9	31.8	24.7	19.6	16.0	13.5	11.4	9.42	7.81	5.72	3.37	2.35
-30	250	222	181	139	102	72.4	51.3	37.5	28.3	21.7	17.2	14.2	11.9	9.79	8.03	5.92	3.45	2.25
-25	431	384	313	234	161	104	67.4	45.1	32.1	23.9	18.4	14.8	12.3	10.1	8.20	6.05	3.61	2.15
-20	612	545	444	329	220	136	83.5	52.7	35.8	26.1	19.6	15.5	12.7	10.4	8.38	6.19	3.76	2.05
-15	798	714	587	446	302	184	105	62.6	39.8	27.9	20.5	16.0	13.0	10.7	8.54	6.24	3.82	1.97
-10	983	884	731	563	383	232	127	72.5	43.7	29.7	21.4	16.5	13.4	10.9	8.71	6.30	3.88	1.90
-5	1083	971	803	615	426	258	140	77.5	45.7	30.4	21.7	16.6	13.4	10.9	8.72	6.28	3.82	1.83
0	1183	1058	875	668	468	284	153	82.5	47.6	31.0	22.0	16.7	13.4	11.0	8.72	6.26	3.77	1.76
5	1127	1008	834	641	447	272	147	80.0	46.3	30.1	21.5	16.3	13.2	10.8	8.57	6.12	3.65	1.71
10	1071	958	792	614	426	259	141	77.4	45.0	29.2	21.0	16.0	12.9	10.6	8.42	5.98	3.54	1.65
15	902	810	673	517	355	216	120	67.9	40.6	27.2	19.7	15.2	12.4	10.2	8.05	5.74	3.36	1.63
20	733	661	554	420	284	172	98.9	58.3	36.1	25.1	18.4	14.5	11.9	9.72	7.69	5.51	3.18	1.61
25	549	493	411	310	211	131	78.6	48.0	31.4	22.4	16.9	13.5	11.1	9.14	7.25	5.17	2.98	1.50
30	365	325	268	201	137	90.1	58.2	37.8	26.6	19.8	15.4	12.5	10.4	8.55	6.81	4.83	2.77	1.38
35	243	218	181	138	97.2	66.2	44.8	30.9	22.7	17.4	13.9	11.5	9.59	7.90	6.40	4.43	2.56	1.28
40	122	111	94.3	75.8	57.6	42.4	31.4	24.0	18.8	15.0	12.4	10.5	8.79	7.26	5.99	4.03	2.35	1.18
45	81.6	74.9	64.9	53.5	42.2	32.6	25.3	20.1	16.3	13.4	11.3	9.65	8.11	6.71	5.43	3.66	2.19	1.13
50	41.7	39.2	35.5	31.2	26.8	22.8	19.2	16.2	13.8	11.8	10.2	8.83	7.44	6.16	4.87	3.29	2.02	1.07
55	30.6	29.1	26.8	24.0	21.2	18.5	16.1	13.9	12.1	10.6	9.27	8.07	6.88	5.74	4.37	2.99	1.86	1.08
60	19.5	19.0	18.1	16.9	15.6	14.2	12.9	11.7	10.4	9.36	8.33	7.31	6.32	5.33	3.87	2.70	1.70	1.09
65	15.6	15.2	14.5	13.7	12.9	11.9	11.0	10.1	9.17	8.31	7.40	6.57	5.54	4.56	3.38	2.48	1.57	1.13
70	11.6	11.3	10.9	10.6	10.2	9.65	9.10	8.46	7.90	7.26	6.46	5.83	4.76	3.79	2.89	2.26	1.45	1.17
75	9.22	9.01	8.71	8.49	8.21	7.86	7.42	6.90	6.45	5.86	5.21	4.65	3.87	3.16	2.53	2.02	1.40	1.23
80	6.84	6.71	6.50	6.41	6.26	6.06	5.74	5.34	5.00	4.47	3.96	3.46	2.97	2.53	2.16	1.77	1.36	1.29
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:16 September 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: