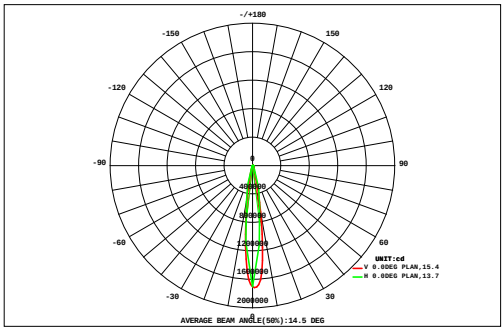
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		9021.4 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.5V x 28.9H
	At 50% of Imax	13.7V x 15.4H
	At 90% of Imax	4.5V x 7.2H
Beam Flux	Total	987.5 lumens per klm.
	To 10% of Imax	712.6 lumens per klm.
	To 50% of Imax	313.2 lumens per klm.
	To 90% of Imax	34.5 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	98.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:126.64lm/W	
MODEL		Imax(cd)	1713518
NOMINAL POWER(W)	1500	AVAILABILITY(%)	75.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	143972
NOMINAL FLUX(lm)	189939	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	189939
TEST VOLTAGE(V)	220	q @50%(H,V)	15,14DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL(DEG) 6	9	12	15	18	21	24	27	F t	F a
27	21.8	24.5	26.5	29.3	35.3	43.9	54.2	64.8	72.4	73.8	69.1	59.6	48.3	38.2	31.2	26.5	22.6	20.3	762	0.00
24	21.4	23.6	28.0	34.3	44.8	60.9	81.3	103	121	131	129	114	91.9	69.6	50.1	36.2	29.0	24.3	1193	0.00
21	24.5	28.6	36.2	49.8	69.9	95.6	123	148	161	160	144	118	89.5	64.4	45.0	33.3	27.3	23.2	1442	0.00
18	28.0	34.2	45.3	66.9	97.3	133	169	195	203	189	157	118	83.9	56.6	38.1	29.3	24.9	21.8	1690	0.00
15	30.5	38.3	53.9	80.3	137	248	418	631	852	977	921	721	489	291	155	88.4	56.3	36.7	6224	4569
12	37.5	51.7	77.9	128	232	414	674	978	1241	1323	1169	872	565	322	170	96.9	59.5	38.4	8449	6908
9	54.1	84.9	136	247	462	787	1184	1588	1776	1599	1176	744	403	188	105	67.4	39.6	29.4	10671	9313
-9	51.4	74.4	114	191	363	692	1232	1994	2706	2871	2620	1916	1145	580	264	131	74.9	46.8	17066	15710
-12	47.3	60.1	84.8	119	234	557	1243	2398	3698	4263	4223	3227	1980	1023	444	203	115	66.5	23983	22717
-15	88.1	132	210	431	935	1902	3449	4974	5275	4939	3491	1934	884	340	153	91.1	56.5	36.6	29320	28077
-18	84.1	125	199	403	868	1768	3216	4679	5048	4782	3466	1985	943	382	172	98.3	60.1	38.5	28315	27104
-21	31.6	38.8	52.0	44.7	54.8	114	274	818	1914	2478	2823	2381	1558	846	382	176	98.9	59.3	14143	13090
-24	38.0	54.9	81.4	134	250	431	656	886	1302	1437	1429	1140	737	405	199	103	60.6	39.8	9384	8096
-27	47.7	76.9	121	222	413	675	925	998	752	383	87.8	8.03	0.00	0.00	7.75	19.0	15.7	16.9	4769	3763
F t	25.5	28.9	38.1	47.9	66.9	118	220	384	606	787	814	679	478	294	160	90.3	58.9	39.6	4937	3264
F a	20.7	20.0	22.9	25.9	36.2	51.4	67.9	104	227	410	508	473	359	235	132	76.5	52.8	36.9	2860	1362
	27.2	34.1	46.0	68.9	99.0	124	132	103	53.8	27.1	12.9	7.67	7.36	7.99	11.1	17.4	20.5	21.3	821	0.00
	23.4	27.7	34.2	45.7	60.7	73.9	79.4	81.9	103	115	114	100	79.9	59.6	42.7	31.7	28.2	25.9	1127	0.00
F t	703	958	1407	2368	4459	8288	14196	21126	26111	26945	23354	16598	9941	5201	2563	1415	901	622	167156	---
F a	0.00	0.00	0.00	509	2316	6746	12740	20002	25038	25993	22583	15924	8535	3065	523	0.00	0.00	0.00	---	143972

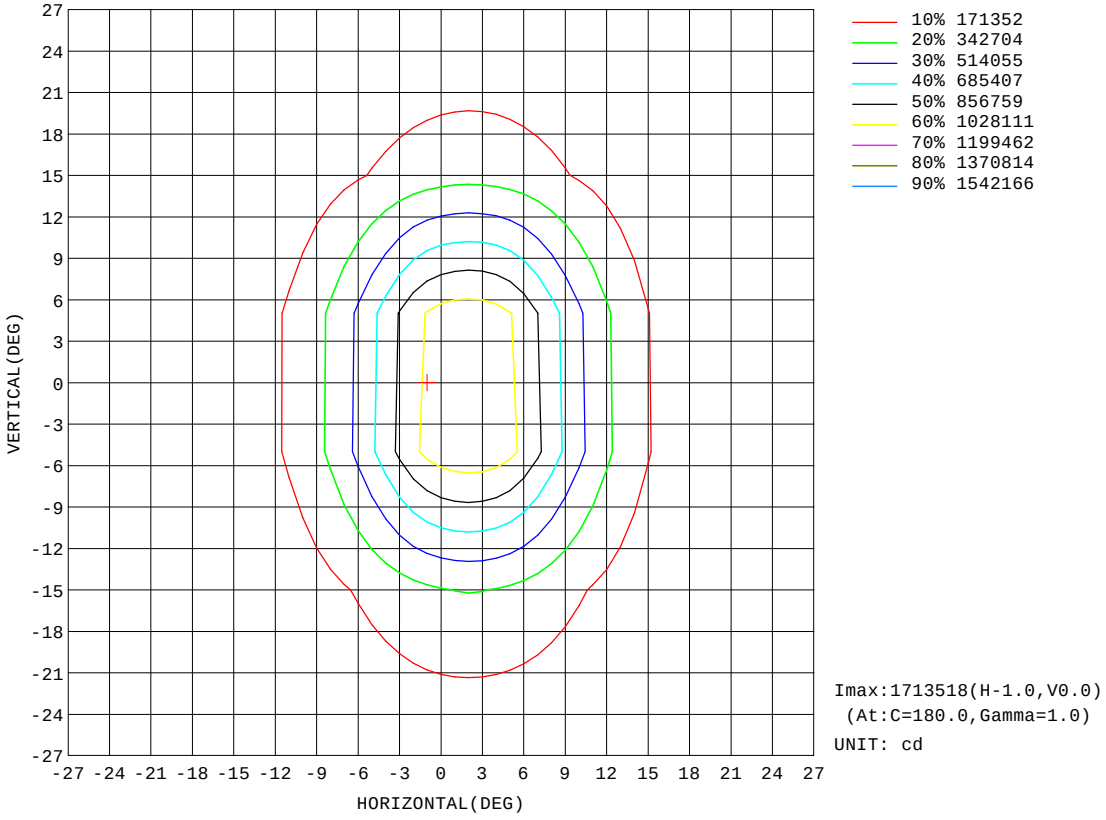
one-half-peak spread: U:7.1,D:6.7 , L:7.8,R:7.7 NEMA Beam Type: Type 2 x 3 (H x V)

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 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:20.600m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

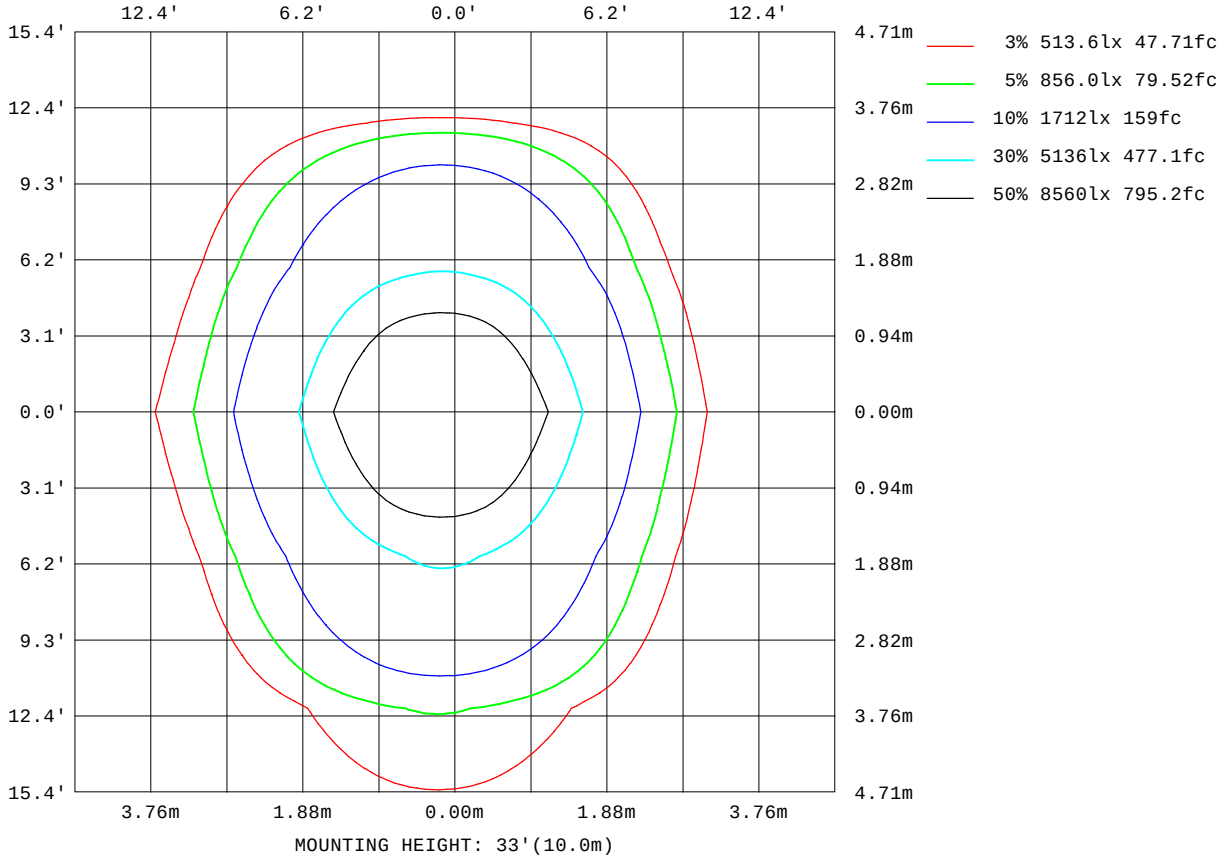


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 2020

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:20.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

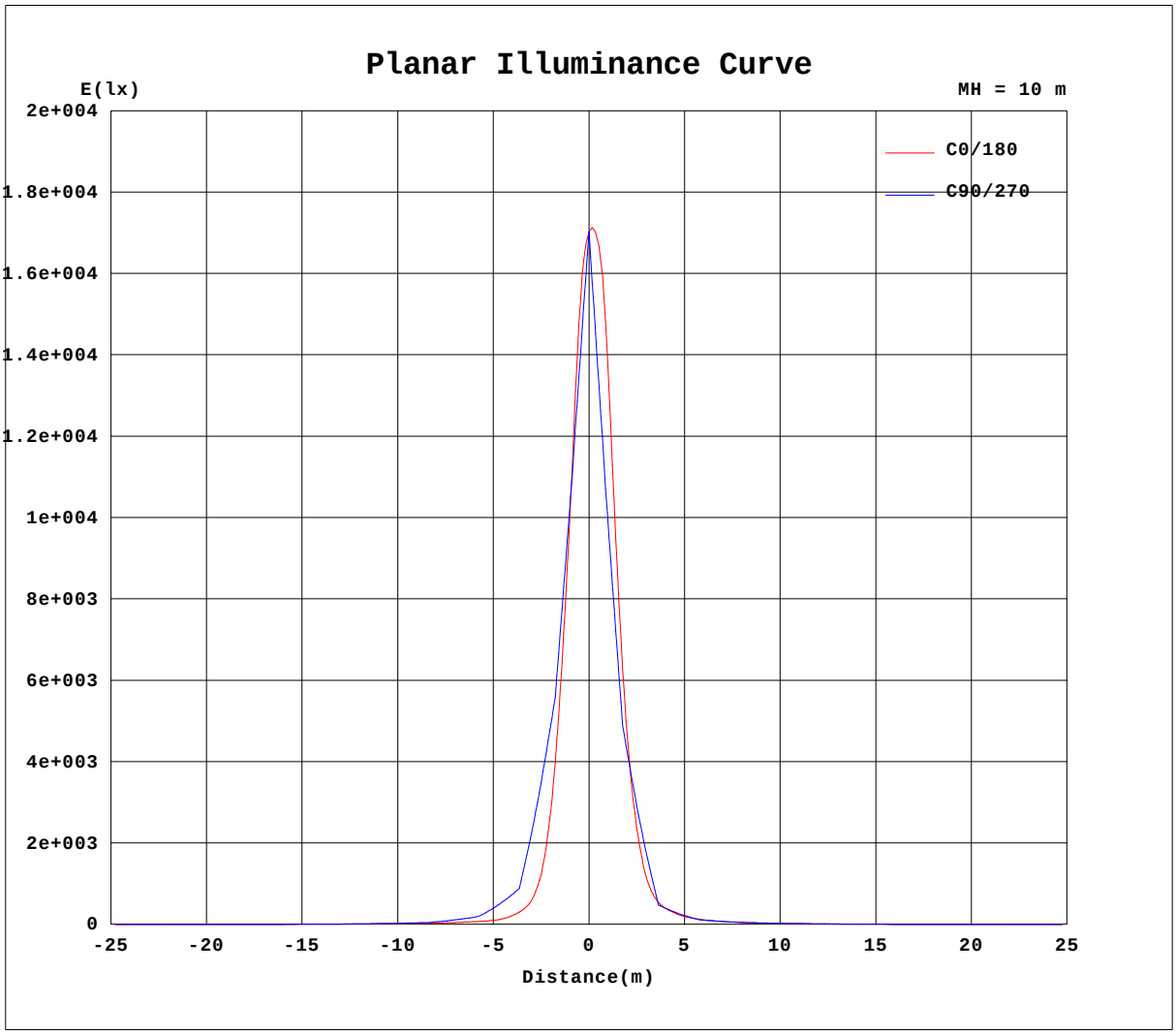
Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 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:20.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



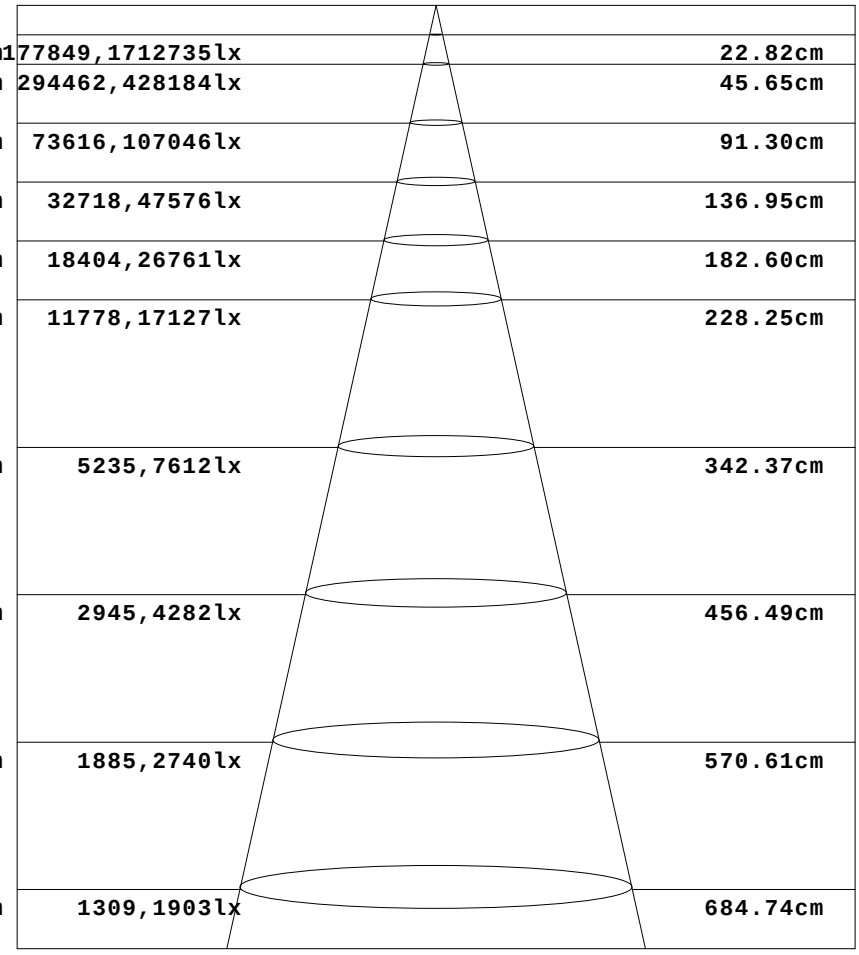
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 June 2020

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:20.600m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:55786 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:20.600m [K=1.0000]
Test Date:09 June 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×1000cd

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	0.41	0.43	0.47	0.50	0.52	0.54	0.57	0.60	0.63	0.67	0.70	0.74	0.77	0.80	0.83	0.86	0.90	0.94	0.93
-75	0.40	0.43	0.47	0.52	0.57	0.62	0.69	0.77	0.86	0.95	1.04	1.13	1.22	1.30	1.38	1.44	1.50	1.57	1.63
-70	0.43	0.46	0.52	0.59	0.68	0.78	0.90	1.04	1.19	1.34	1.49	1.63	1.76	1.89	1.99	2.09	2.19	2.28	2.33
-65	0.40	0.42	0.46	0.56	0.67	0.81	0.99	1.19	1.41	1.66	1.90	2.13	2.37	2.60	2.81	2.96	3.10	3.18	3.28
-60	0.38	0.41	0.51	0.65	0.83	1.05	1.32	1.60	1.91	2.27	2.58	2.91	3.26	3.58	3.81	4.00	4.13	4.18	4.34
-55	0.37	0.38	0.44	0.60	0.80	1.06	1.38	1.74	2.14	2.59	3.06	3.55	4.02	4.48	4.89	5.23	5.54	5.73	5.84
-50	0.37	0.40	0.56	0.78	1.07	1.43	1.88	2.35	2.90	3.49	4.13	4.77	5.34	5.87	6.39	6.86	7.23	7.38	7.47
-45	0.37	0.36	0.46	0.69	0.98	1.35	1.81	2.37	3.00	3.68	4.42	5.24	6.05	6.79	7.43	8.05	8.61	9.17	9.49
-40	0.36	0.40	0.64	0.92	1.30	1.79	2.40	3.12	3.92	4.75	5.68	6.71	7.68	8.50	9.21	9.90	10.7	11.4	11.6
-35	0.29	0.29	0.43	0.75	1.12	1.60	2.21	2.95	3.83	4.68	5.69	6.66	7.51	8.51	9.86	11.7	14.5	18.2	21.0
-30	0.22	0.29	0.60	0.98	1.48	2.11	2.86	3.83	4.72	5.79	6.88	7.66	8.46	9.99	12.7	16.4	22.6	28.9	31.0
-25	0.18	0.20	0.38	0.78	1.24	1.87	2.63	3.55	4.62	5.68	6.75	7.37	8.19	9.48	12.3	18.4	31.5	51.6	68.3
-20	0.15	0.26	0.60	1.11	1.72	2.52	3.43	4.59	5.74	6.89	7.42	7.91	9.48	11.8	17.8	34.1	63.4	97.8	107
-15	0.14	0.16	0.37	0.82	1.40	2.11	2.97	4.08	5.34	6.75	7.60	8.29	9.99	12.7	20.0	38.8	96.7	212	334
-10	0.14	0.26	0.62	1.22	1.90	2.70	3.76	5.11	6.61	7.75	8.49	10.6	13.7	20.3	40.0	99.9	256	489	585
-5	0.13	0.16	0.37	0.83	1.49	2.20	3.11	4.37	5.81	7.50	8.36	10.2	13.8	19.9	34.8	75.9	240	661	1118
0	0.14	0.26	0.62	1.23	1.91	2.74	3.94	5.33	7.07	8.31	9.93	13.9	20.6	33.7	65.6	206	659	1501	1703
5	0.12	0.15	0.35	0.81	1.44	2.15	3.06	4.31	5.75	7.45	8.32	10.1	13.7	19.7	34.3	75.4	238	644	1084
10	0.12	0.22	0.57	1.13	1.79	2.60	3.63	4.99	6.49	7.65	8.32	10.5	13.2	19.6	38.7	97.9	238	432	513
15	0.11	0.13	0.31	0.73	1.27	1.97	2.83	3.94	5.19	6.64	7.50	8.18	9.79	12.1	18.4	35.4	86.5	179	275
20	0.10	0.20	0.52	0.96	1.55	2.33	3.25	4.41	5.58	6.77	7.36	7.80	9.10	10.4	14.0	23.5	38.6	53.4	57.8
25	0.10	0.12	0.28	0.63	1.08	1.68	2.45	3.39	4.45	5.54	6.61	7.20	7.86	8.58	10.1	13.2	20.1	29.5	37.1
30	0.11	0.19	0.45	0.80	1.30	1.93	2.69	3.66	4.58	5.66	6.63	7.23	7.66	8.34	9.32	10.2	12.7	16.0	17.9
35	0.13	0.14	0.27	0.54	0.90	1.39	1.98	2.73	3.60	4.43	5.36	6.19	6.82	7.43	8.21	8.86	10.0	12.0	14.0
40	0.16	0.22	0.40	0.68	1.06	1.54	2.14	2.81	3.56	4.33	5.10	5.95	6.70	7.37	7.98	8.62	9.60	10.6	11.0
45	0.16	0.17	0.26	0.44	0.71	1.06	1.50	2.02	2.63	3.24	3.90	4.61	5.32	5.99	6.64	7.35	8.08	8.87	9.38
50	0.16	0.20	0.32	0.50	0.76	1.09	1.49	1.92	2.42	2.95	3.53	4.14	4.74	5.40	6.15	6.92	7.56	7.86	7.85
55	0.14	0.15	0.21	0.32	0.50	0.73	1.02	1.34	1.71	2.12	2.54	3.01	3.50	4.00	4.52	5.04	5.53	5.85	6.04
60	0.13	0.15	0.22	0.33	0.50	0.70	0.94	1.20	1.49	1.80	2.11	2.46	2.86	3.23	3.51	3.79	3.96	4.08	4.13
65	0.13	0.14	0.17	0.23	0.33	0.46	0.62	0.80	1.00	1.23	1.45	1.69	1.94	2.22	2.44	2.63	2.81	2.91	3.05
70	0.14	0.15	0.18	0.23	0.31	0.40	0.52	0.65	0.79	0.93	1.08	1.22	1.36	1.50	1.60	1.70	1.80	1.90	1.92
75	0.15	0.15	0.16	0.19	0.23	0.28	0.34	0.42	0.50	0.59	0.68	0.77	0.85	0.94	1.02	1.08	1.15	1.21	1.25
80	0.16	0.16	0.17	0.19	0.21	0.23	0.25	0.28	0.32	0.35	0.39	0.42	0.46	0.49	0.51	0.54	0.57	0.61	0.60
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:09 June 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:20.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.6V I:6.936A P:1500W PF:0.9801 Freq:49.90Hz Lamp Flux:189939x1 lm		
NAME: ITSP31500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×1000cd

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	0.95	0.89	0.86	0.83	0.80	0.77	0.73	0.69	0.66	0.62	0.59	0.57	0.54	0.53	0.51	0.49	0.46	0.43
-75	1.63	1.58	1.51	1.45	1.38	1.30	1.21	1.13	1.03	0.94	0.85	0.77	0.70	0.64	0.59	0.55	0.51	0.48
-70	2.27	2.18	2.09	1.97	1.86	1.72	1.59	1.45	1.30	1.15	1.02	0.89	0.78	0.69	0.62	0.56	0.52	0.50
-65	3.31	3.20	3.11	2.96	2.80	2.59	2.35	2.11	1.89	1.66	1.42	1.22	1.02	0.85	0.72	0.63	0.55	0.52
-60	4.19	4.14	3.97	3.75	3.51	3.17	2.82	2.50	2.20	1.87	1.58	1.31	1.06	0.86	0.71	0.60	0.54	0.52
-55	5.87	5.75	5.56	5.25	4.88	4.48	4.03	3.57	3.12	2.68	2.25	1.85	1.48	1.16	0.91	0.72	0.58	0.53
-50	7.38	7.18	6.80	6.31	5.79	5.27	4.68	4.08	3.50	2.97	2.42	1.94	1.50	1.15	0.87	0.67	0.55	0.52
-45	9.49	9.18	8.68	8.18	7.58	6.95	6.24	5.46	4.72	3.99	3.30	2.64	2.05	1.56	1.16	0.85	0.62	0.54
-40	11.3	10.6	10.00	9.34	8.65	7.80	6.86	5.92	5.05	4.21	3.36	2.62	1.99	1.46	1.05	0.74	0.57	0.53
-35	20.8	17.7	14.2	12.0	10.3	9.13	8.12	7.17	6.19	5.16	4.23	3.30	2.50	1.84	1.31	0.91	0.60	0.49
-30	26.9	20.4	15.4	12.6	10.5	9.20	8.27	7.24	6.07	5.01	3.95	2.98	2.20	1.55	1.05	0.69	0.46	0.43
-25	65.6	46.9	28.1	17.0	12.4	10.1	8.72	7.86	7.07	5.98	4.88	3.75	2.81	2.02	1.38	0.92	0.55	0.41
-20	83.2	49.5	25.3	15.0	11.1	9.34	8.04	7.63	6.80	5.61	4.45	3.34	2.43	1.69	1.13	0.67	0.41	0.36
-15	319	187	77.7	30.9	16.2	11.0	9.06	7.99	7.60	6.85	5.50	4.17	3.09	2.22	1.49	0.95	0.55	0.38
-10	404	180	61.0	26.2	13.3	10.1	8.54	7.92	7.74	6.42	4.95	3.63	2.66	1.82	1.19	0.69	0.42	0.36
-5	1069	557	180	52.5	23.2	12.9	10.2	8.55	8.02	7.53	5.99	4.50	3.26	2.35	1.60	0.97	0.55	0.37
0	1141	417	104	37.2	17.1	11.8	9.62	8.40	8.00	6.77	5.18	3.76	2.72	1.96	1.23	0.68	0.41	0.34
5	1036	541	175	51.3	22.7	12.8	10.2	8.57	7.99	7.46	5.93	4.46	3.23	2.35	1.63	0.97	0.53	0.36
10	356	164	56.1	25.1	12.8	10.0	8.56	7.91	7.63	6.30	4.86	3.58	2.64	1.87	1.19	0.66	0.39	0.32
15	263	157	66.3	26.9	14.2	10.1	8.51	7.65	7.34	6.59	5.25	3.97	2.95	2.13	1.45	0.87	0.47	0.31
20	47.5	30.9	17.7	11.4	9.06	8.17	7.20	7.08	6.38	5.22	4.10	3.06	2.23	1.53	1.00	0.54	0.31	0.26
25	36.5	27.9	18.3	11.9	9.29	8.11	7.31	6.84	6.29	5.32	4.31	3.25	2.41	1.70	1.12	0.68	0.34	0.22
30	16.3	12.9	10.0	8.84	7.78	7.19	6.80	6.11	5.09	4.17	3.23	2.39	1.70	1.13	0.72	0.36	0.18	0.15
35	14.3	12.5	10.2	8.71	7.82	7.12	6.52	5.86	5.03	4.13	3.34	2.51	1.84	1.27	0.82	0.49	0.23	0.14
40	10.5	9.30	8.30	7.55	7.00	6.30	5.50	4.66	3.87	3.15	2.42	1.79	1.27	0.84	0.51	0.26	0.13	0.11
45	9.31	8.69	7.76	6.98	6.32	5.73	5.09	4.38	3.68	3.03	2.41	1.84	1.35	0.94	0.60	0.36	0.18	0.12
50	7.51	6.97	6.27	5.59	4.95	4.40	3.85	3.25	2.69	2.18	1.68	1.28	0.91	0.61	0.38	0.21	0.12	0.12
55	5.87	5.61	5.19	4.72	4.25	3.79	3.33	2.88	2.43	2.01	1.61	1.25	0.93	0.66	0.43	0.27	0.16	0.13
60	3.92	3.78	3.55	3.29	2.99	2.62	2.28	1.96	1.67	1.35	1.08	0.83	0.61	0.42	0.28	0.18	0.14	0.13
65	2.95	2.84	2.70	2.53	2.34	2.10	1.86	1.62	1.40	1.17	0.96	0.76	0.58	0.43	0.30	0.22	0.16	0.14
70	1.84	1.75	1.65	1.54	1.42	1.28	1.15	1.01	0.86	0.72	0.59	0.47	0.36	0.28	0.22	0.17	0.15	0.15
75	1.26	1.19	1.12	1.06	0.99	0.91	0.83	0.74	0.65	0.56	0.48	0.40	0.33	0.27	0.22	0.19	0.17	0.16
80	0.59	0.55	0.52	0.50	0.47	0.44	0.40	0.37	0.33	0.30	0.27	0.24	0.22	0.20	0.18	0.17	0.17	0.17
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:09 June 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:20.600m [K=1.0000]
Remarks: