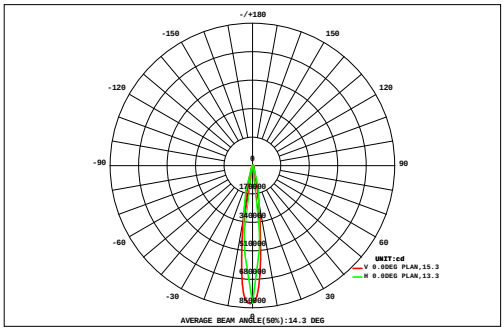
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		8853.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.3V x 29.4H
	At 50% of Imax	13.3V x 15.3H
	At 90% of Imax	4.2V x 7.2H
Beam Flux	Total	994.4 lumens per klm.
	To 10% of Imax	711.3 lumens per klm.
	To 50% of Imax	315.0 lumens per klm.
	To 90% of Imax	36.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.4 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:124.34lm/W	
MODEL		Imax(cd)	825200
NOMINAL POWER(W)	750	AVAILABILITY(%)	73.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	68886
NOMINAL FLUX(lm)	93209	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	93209
TEST VOLTAGE(V)	221.0	q @50%(H,V)	15,13DEG

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	0.26	0.87	1.93	3.71	6.28	9.38	12.6	15.7	18.4	19.4	17.7	15.3	12.2	8.93	5.82	3.23	1.43	0.35	153	0.00
70	0.19	0.91	2.91	6.87	12.9	20.2	28.6	36.9	43.2	44.7	40.2	33.1	24.7	16.8	9.96	4.88	1.75	0.31	329	0.00
60	0.21	1.38	4.89	11.8	22.5	35.8	52.2	69.5	82.8	84.0	73.7	57.7	41.8	27.5	15.7	7.29	2.39	0.35	591	0.00
50	0.27	1.99	7.28	17.9	34.6	55.3	78.1	101	127	134	110	81.2	60.6	40.4	22.7	10.1	3.12	0.41	886	0.00
40	0.25	2.44	9.52	24.4	47.5	74.8	98.9	125	177	211	152	103	75.6	52.5	30.2	13.1	4.00	0.51	1202	0.00
30	0.23	2.83	11.5	30.2	59.4	90.1	123	208	429	532	307	142	88.9	63.4	38.2	16.6	5.21	0.70	2148	0.00
20	0.27	3.31	13.4	35.2	71.0	107	183	571	2407	3817	1206	249	112	74.7	46.2	20.1	6.43	0.90	8923	5506
10	0.31	3.68	14.6	38.5	80.3	135	309	1431	9062	14251	3383	411	137	85.1	51.7	21.8	7.06	0.99	29423	26390
0	0.34	3.84	14.9	39.5	84.0	147	348	1858	12485	16808	3570	412	139	86.4	52.2	22.0	7.16	1.00	36078	33246
-10	0.35	3.68	14.2	36.7	75.2	116	196	811	2303	2384	937	247	119	81.3	48.1	20.8	6.81	0.99	7401	3744
-20	0.39	3.41	12.5	31.5	62.2	102	150	259	472	531	300	171	113	77.2	42.7	18.9	6.22	0.97	2353	0.00
-30	0.51	3.25	10.7	25.8	50.6	88.6	136	190	223	208	185	150	107	68.9	38.0	17.2	6.04	1.07	1510	0.00
-40	0.62	3.12	9.09	20.7	39.4	64.9	97.0	124	130	126	123	105	77.7	50.7	29.7	14.5	5.40	1.07	1021	0.00
-50	0.62	2.67	6.93	14.5	25.5	39.7	54.8	68.4	77.2	78.8	72.9	60.7	46.3	31.9	19.6	10.1	4.07	0.90	616	0.00
-60	0.64	2.38	5.25	9.72	15.8	22.7	29.8	36.6	41.4	42.9	39.8	34.1	26.7	19.6	12.6	7.04	3.20	0.81	351	0.00
-70	0.63	2.11	3.90	6.12	8.75	11.6	14.4	16.9	19.4	20.0	18.3	16.4	14.0	11.0	7.89	5.02	2.62	0.75	180	0.00
-80	0.28	0.89	1.46	1.97	2.44	2.88	3.23	3.54	3.78	3.81	3.68	3.48	3.19	2.75	2.24	1.64	0.99	0.31	42.5	0.00
-90	HORIZONTAL(DEG)																			
F t	6.39	42.8	145	355	698	1123	1913	5927	28100	39296	10540	2292	1198	799	474	214	73.9	12.4	93209	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1694	24690	36269	6232	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	68886

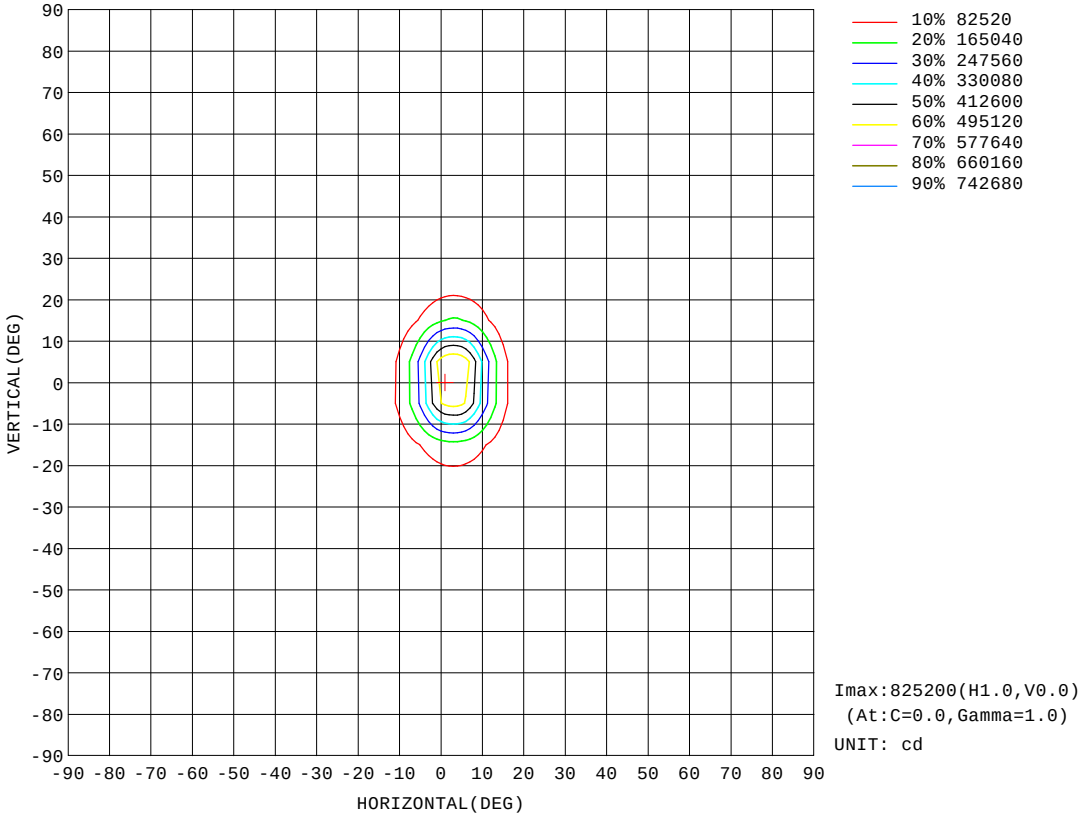
one-half-peak spread: U:6.2,D:7.3 , L:7.7,R:7.7 **NEMA Beam Type: Type 3**

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:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

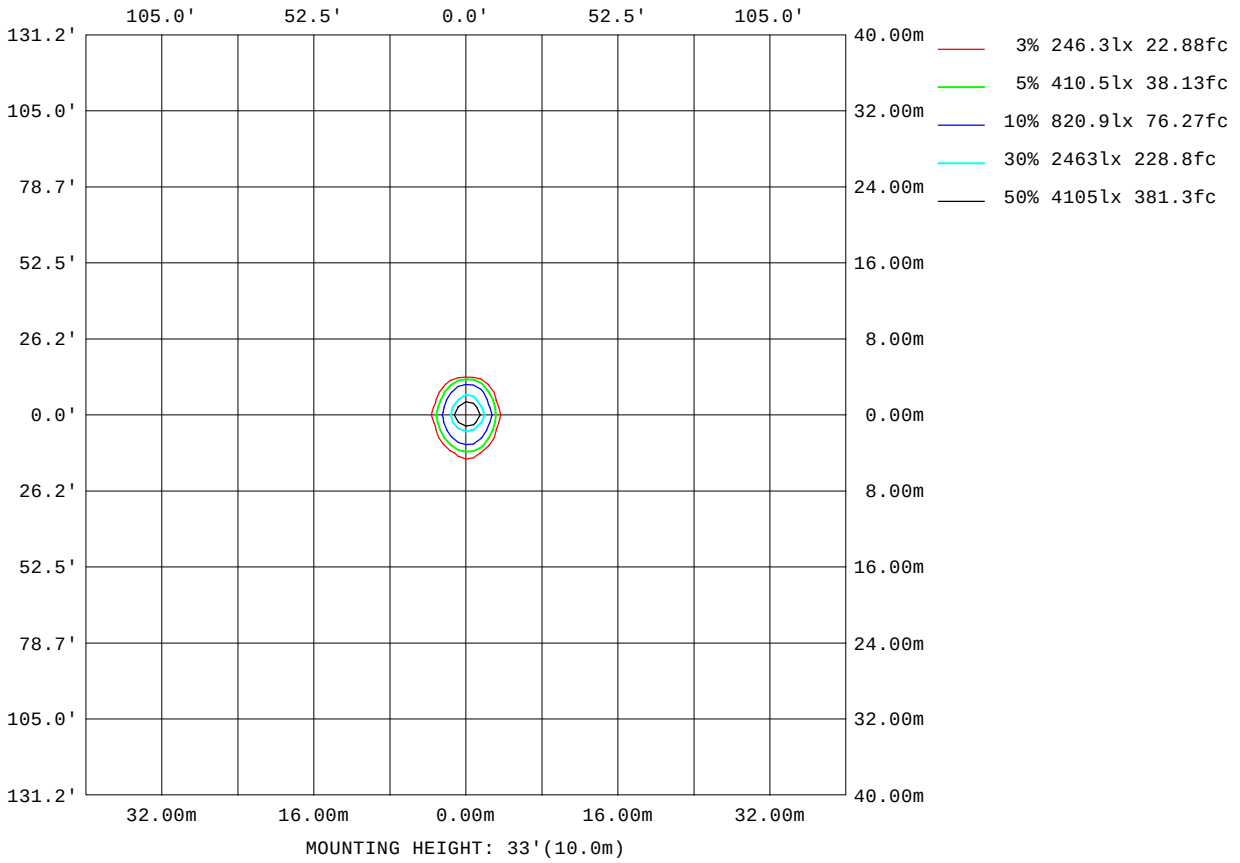


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

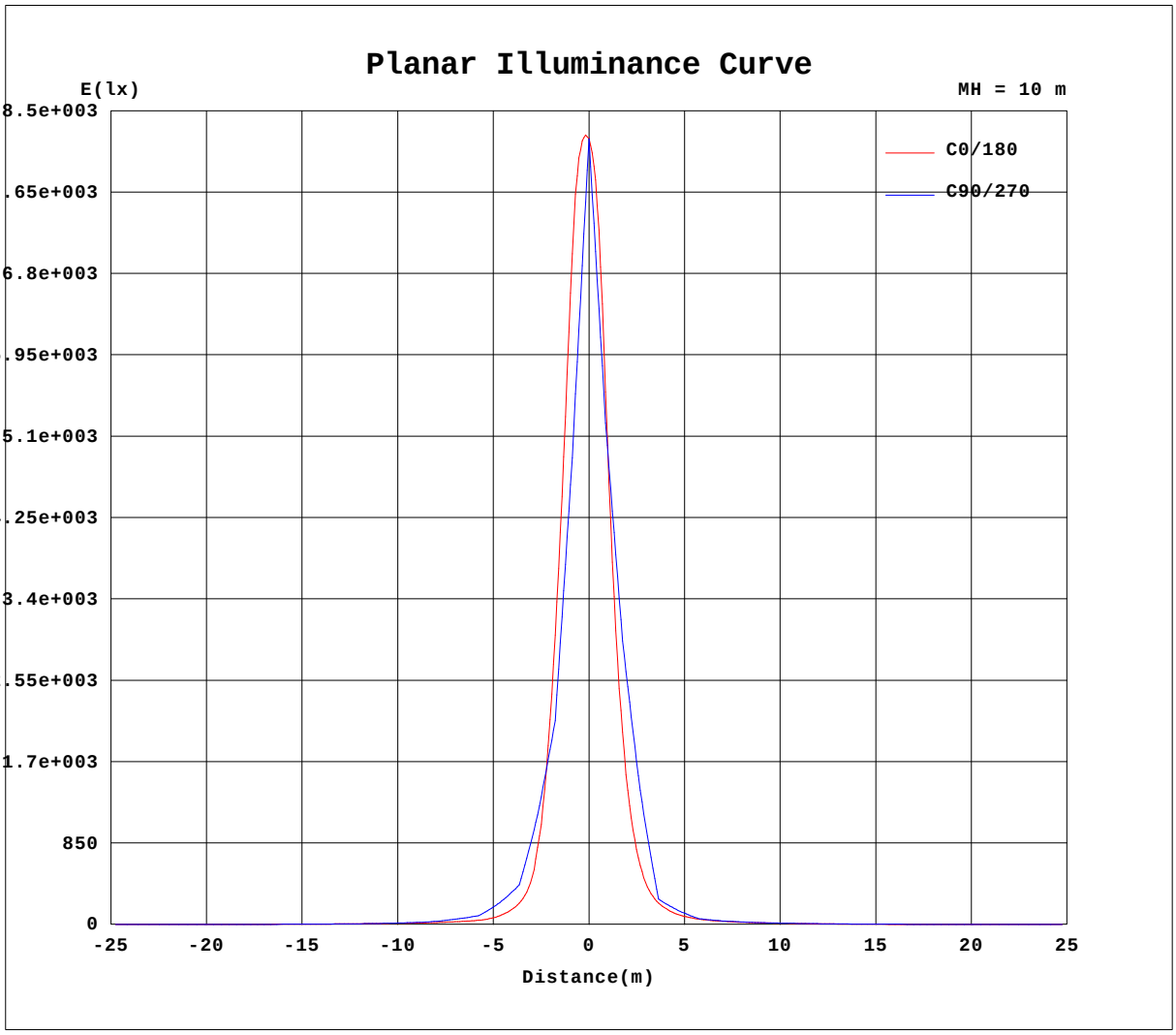
Test:U:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



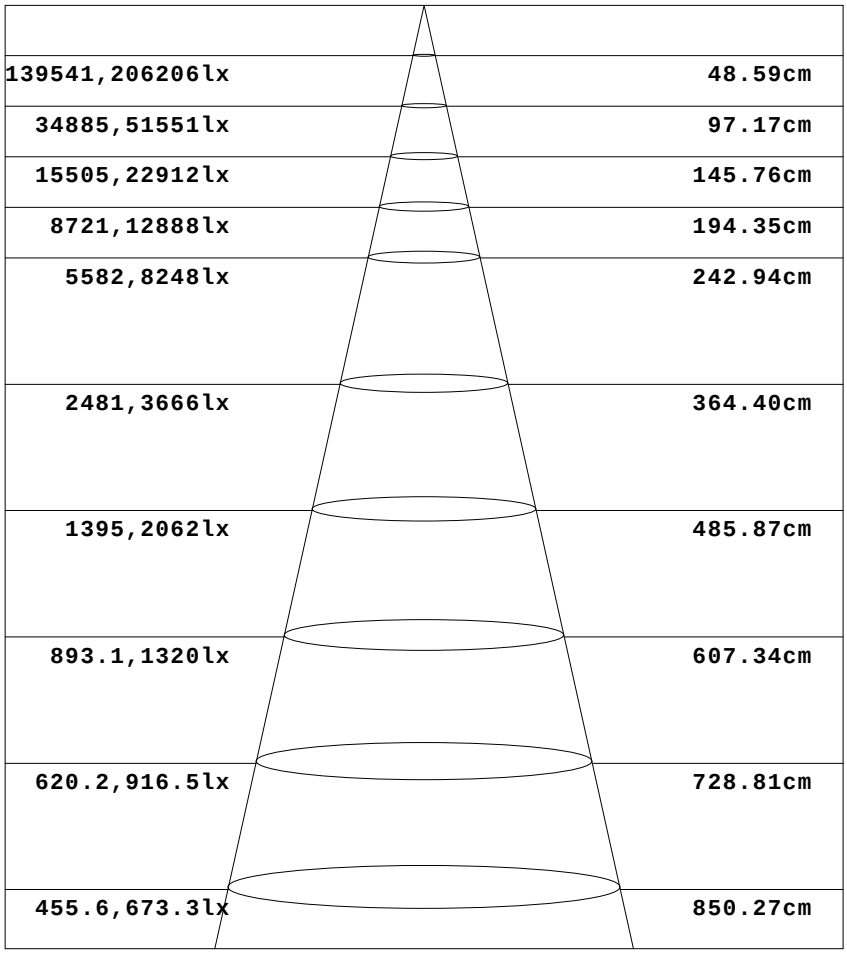
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:26436 lm



Height	Eavg,Emax	Angle:13.85deg	Diameter
2m	139541,206206lx		48.59cm
4m	34885,51551lx		97.17cm
6m	15505,22912lx		145.76cm
8m	8721,12888lx		194.35cm
10m	5582,8248lx		242.94cm
15m	2481,3666lx		364.40cm
20m	1395,2062lx		485.87cm
25m	893.1,1320lx		607.34cm
30m	620.2,916.5lx		728.81cm
35m	455.6,673.3lx		850.27cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	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	1.88	2.12	2.28	2.36	2.42	2.49	2.57	2.66	2.76	2.87	3.00	3.13	3.26	3.37	3.50	3.63	3.77	3.93	3.97
-75	2.00	2.19	2.41	2.57	2.73	2.94	3.18	3.46	3.75	4.09	4.43	4.79	5.13	5.46	5.75	6.09	6.40	6.73	7.09
-70	2.23	2.46	2.67	2.91	3.20	3.57	4.01	4.49	5.02	5.57	6.15	6.72	7.26	7.82	8.26	8.79	9.27	9.84	10.4
-65	2.14	2.28	2.55	2.87	3.32	3.89	4.57	5.37	6.22	7.18	8.16	9.12	10.1	11.0	12.0	12.8	13.7	14.3	14.9
-60	2.11	2.31	2.66	3.17	3.86	4.71	5.76	6.93	8.17	9.57	11.0	12.3	13.6	15.1	16.4	17.6	18.6	19.2	19.7
-55	2.03	2.14	2.50	3.09	3.92	4.98	6.30	7.82	9.57	11.5	13.5	15.6	17.8	19.9	22.0	23.8	25.5	26.6	27.3
-50	2.00	2.18	2.76	3.62	4.78	6.26	8.04	10.1	12.5	14.9	17.7	20.6	23.8	26.5	29.2	31.4	33.4	34.6	35.2
-45	1.99	2.01	2.51	3.43	4.71	6.35	8.40	10.8	13.9	17.1	20.6	24.5	28.9	33.3	37.5	41.4	44.5	46.8	48.2
-40	1.96	2.06	2.92	4.19	5.86	8.00	10.6	13.9	17.8	22.0	26.4	31.9	37.7	43.6	49.2	54.1	57.6	60.3	61.7
-35	1.63	1.60	2.26	3.56	5.30	7.55	10.3	13.7	17.9	22.3	27.4	33.5	40.1	46.6	53.4	63.0	74.6	89.0	101
-30	1.23	1.40	2.54	4.21	6.42	9.12	12.5	16.7	21.4	26.6	33.0	40.6	47.6	54.8	64.7	80.4	103	129	144
-25	1.01	1.04	1.90	3.61	5.79	8.64	12.1	16.4	21.7	27.2	33.6	40.2	45.7	53.1	65.1	89.9	141	224	308
-20	0.78	1.10	2.48	4.56	7.31	10.8	14.9	20.5	26.1	32.7	39.9	44.2	49.4	58.7	81.2	132	240	394	500
-15	0.72	0.81	1.79	3.79	6.39	9.77	13.8	19.0	25.5	33.0	39.9	45.1	51.5	64.2	93.7	188	436	840	1271
-10	0.71	1.06	2.50	4.93	7.96	11.9	16.4	22.9	30.1	39.3	44.6	50.2	61.5	85.4	157	399	924	1652	2230
-5	0.67	0.75	1.78	3.86	6.80	10.3	14.6	20.5	27.7	36.8	44.2	51.4	66.3	94.8	162	360	1005	2612	4930
0	0.68	1.02	2.49	4.94	8.29	12.0	16.7	23.9	31.8	41.2	48.7	62.3	88.9	141	271	687	2107	5626	8209
5	0.61	0.67	1.66	3.69	6.70	10.2	14.3	20.2	27.4	35.9	43.0	50.8	66.8	97.2	170	360	992	2713	5298
10	0.58	0.87	2.23	4.58	7.77	11.4	15.9	22.3	29.3	37.1	42.4	50.0	64.3	93.9	175	375	952	2051	3102
15	0.54	0.57	1.46	3.35	6.06	9.33	13.3	18.4	24.9	31.7	37.8	41.8	49.7	63.7	97.3	181	410	896	1556
20	0.51	0.75	1.98	4.12	6.79	10.2	14.4	19.9	25.5	31.6	36.9	38.8	45.6	52.7	70.3	117	192	273	321
25	0.52	0.54	1.29	2.95	5.16	8.03	11.6	15.9	21.4	26.5	31.9	35.4	38.5	43.2	52.6	70.3	109	156	199
30	0.53	0.69	1.72	3.44	5.67	8.49	12.0	16.5	21.2	25.7	30.8	34.0	35.8	39.7	46.2	50.5	62.2	78.5	94.4
35	0.63	0.65	1.23	2.57	4.32	6.66	9.50	13.0	17.2	21.1	25.3	29.3	32.2	35.0	38.7	42.0	48.5	58.7	70.6
40	0.75	0.85	1.65	2.95	4.72	6.94	9.55	12.8	16.5	20.0	23.3	27.1	30.6	32.9	34.6	37.5	42.3	48.7	53.3
45	0.79	0.80	1.19	2.14	3.45	5.17	7.25	9.74	12.6	15.5	18.6	21.7	24.9	27.7	30.1	33.0	36.6	41.0	44.4
50	0.84	0.89	1.39	2.26	3.47	5.00	6.81	8.83	11.3	13.7	16.2	18.8	21.6	24.4	27.8	31.1	34.3	36.4	36.9
55	0.74	0.75	0.96	1.55	2.42	3.54	4.92	6.53	8.29	10.2	12.2	14.2	16.4	18.7	21.2	23.7	26.1	28.0	28.8
60	0.65	0.66	0.94	1.46	2.20	3.15	4.29	5.53	6.90	8.42	9.84	11.3	13.0	15.0	16.6	18.2	19.6	20.2	20.9
65	0.67	0.68	0.77	1.06	1.54	2.18	2.95	3.87	4.84	5.97	7.04	8.13	9.27	10.6	11.8	12.9	14.0	14.7	15.3
70	0.70	0.71	0.79	1.01	1.34	1.79	2.35	2.95	3.66	4.39	5.13	5.83	6.51	7.17	7.88	8.46	9.01	9.58	9.89
75	0.75	0.76	0.78	0.87	1.04	1.29	1.60	1.96	2.36	2.82	3.26	3.72	4.15	4.56	5.00	5.37	5.75	6.10	6.48
80	0.81	0.82	0.83	0.86	0.93	1.02	1.14	1.27	1.42	1.59	1.76	1.95	2.12	2.28	2.43	2.58	2.76	3.02	3.01
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:221.4V I:3.459A P:749.6W PF:0.9790 Freq:49.89Hz Lamp Flux:93209x1 lm		
NAME: ITSP4750154000	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	4.10	3.99	3.92	3.86	3.82	3.77	3.69	3.59	3.49	3.38	3.27	3.16	3.03	2.91	2.79	2.65	2.40	2.09
-75	7.12	6.91	6.76	6.58	6.44	6.19	5.95	5.67	5.35	5.03	4.69	4.34	3.99	3.65	3.35	3.07	2.76	2.38
-70	9.97	9.73	9.47	9.17	8.83	8.41	7.99	7.51	6.96	6.40	5.83	5.25	4.68	4.15	3.68	3.29	2.79	2.50
-65	14.9	14.7	14.3	13.7	13.1	12.3	11.4	10.5	9.61	8.67	7.66	6.73	5.80	4.95	4.24	3.63	3.03	2.55
-60	19.6	19.5	18.8	17.8	16.7	15.5	14.1	12.8	11.6	10.1	8.75	7.49	6.22	5.15	4.27	3.54	2.75	2.50
-55	27.5	27.2	26.3	24.9	23.3	21.5	19.6	17.6	15.6	13.7	11.7	9.96	8.21	6.64	5.33	4.26	3.26	2.62
-50	35.1	34.4	32.8	30.8	28.4	26.0	23.5	20.7	18.1	15.8	13.2	11.0	8.89	7.03	5.47	4.25	2.99	2.63
-45	48.4	47.4	45.0	42.0	38.6	35.1	31.5	27.7	24.0	20.6	17.4	14.2	11.4	8.97	6.86	5.21	3.72	2.79
-40	61.2	58.7	55.1	50.6	46.0	41.2	36.5	31.7	27.0	23.1	18.8	15.1	11.9	9.12	6.82	5.05	3.26	2.77
-35	102	92.1	77.0	64.9	55.6	48.6	42.8	37.8	32.4	27.1	22.5	17.8	13.8	10.6	7.85	5.68	3.77	2.60
-30	137	114	87.9	71.6	59.4	51.0	45.0	39.8	33.4	27.4	22.2	17.0	13.1	9.75	6.95	4.78	2.67	2.24
-25	315	244	154	95.8	69.8	55.6	46.9	41.3	36.9	31.2	25.7	19.9	15.2	11.4	8.16	5.59	3.47	2.16
-20	448	300	163	94.4	67.0	52.9	43.5	39.6	35.9	30.3	24.5	18.6	14.1	10.3	7.17	4.59	2.31	1.96
-15	1334	922	438	183	97.2	62.6	48.8	41.8	38.4	34.6	28.5	21.9	16.5	12.4	8.78	5.76	3.45	2.00
-10	1950	1135	440	185	89.5	60.1	47.9	41.0	38.1	34.1	27.5	20.4	15.4	11.4	7.92	4.89	2.42	1.93
-5	5111	3044	1097	324	144	75.5	54.9	45.2	40.0	36.9	30.7	23.5	17.4	13.0	9.32	5.93	3.48	1.95
0	7089	3168	896	270	125	70.1	53.8	44.1	39.4	35.4	28.6	21.1	15.6	11.5	7.89	4.79	2.31	1.83
5	5538	3235	1107	323	148	75.3	54.8	45.0	39.4	36.2	30.4	23.4	17.2	12.8	9.12	5.78	3.36	1.84
10	2664	1318	434	190	93.2	59.5	47.5	40.4	36.7	33.0	27.1	20.1	14.9	11.0	7.60	4.61	2.28	1.69
15	1675	1055	427	175	93.5	57.4	45.7	38.5	35.3	32.2	27.3	21.3	15.8	11.7	8.24	5.33	3.05	1.63
20	293	215	138	78.5	54.5	44.3	37.1	33.6	31.4	27.9	23.2	17.5	13.3	9.56	6.50	4.02	1.90	1.40
25	205	166	116	74.2	52.6	42.1	36.4	32.2	30.3	26.7	22.7	17.8	13.3	9.78	6.74	4.37	2.38	1.16
30	93.3	76.6	58.3	47.1	41.0	34.9	31.3	29.3	26.4	22.4	18.6	14.0	10.5	7.45	4.92	3.00	1.21	0.83
35	74.9	67.2	54.1	43.5	38.3	33.7	30.3	27.8	25.1	21.4	18.0	14.0	10.4	7.61	5.20	3.28	1.68	0.71
40	53.0	47.4	40.2	34.8	31.7	29.6	27.2	24.3	20.8	17.6	14.3	10.9	8.12	5.77	3.75	2.27	0.85	0.56
45	45.2	42.6	37.6	32.9	29.5	27.0	24.7	22.2	19.2	16.3	13.4	10.6	8.00	5.88	4.02	2.54	1.32	0.58
50	36.0	34.2	31.0	28.0	25.1	22.5	20.2	17.6	15.2	12.7	10.3	8.14	6.16	4.45	2.98	1.86	0.82	0.58
55	28.6	27.5	25.7	23.6	21.4	19.3	17.2	15.2	13.2	11.3	9.27	7.48	5.84	4.35	3.07	2.03	1.17	0.64
60	20.3	19.7	18.8	17.4	16.0	14.4	12.7	11.0	9.62	8.18	6.78	5.51	4.29	3.18	2.27	1.53	0.85	0.67
65	15.3	14.8	14.3	13.4	12.5	11.4	10.2	9.08	8.01	6.96	5.86	4.85	3.88	3.01	2.25	1.61	1.09	0.74
70	9.96	9.52	9.12	8.64	8.16	7.47	6.87	6.23	5.54	4.82	4.10	3.41	2.76	2.19	1.68	1.27	0.90	0.77
75	6.55	6.35	6.11	5.85	5.59	5.21	4.83	4.46	4.05	3.61	3.17	2.73	2.30	1.92	1.56	1.27	1.02	0.83
80	3.15	2.99	2.91	2.81	2.72	2.64	2.51	2.37	2.21	2.05	1.88	1.70	1.51	1.35	1.20	1.07	0.93	0.86
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: