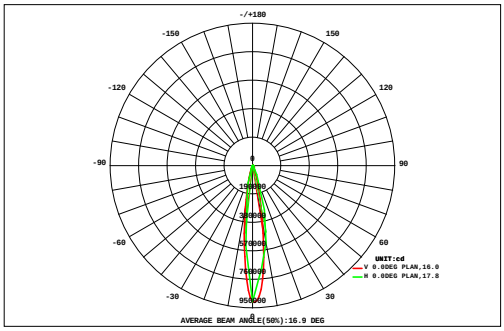
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		7271.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	37.7V x 33.8H
	At 50% of Imax	17.8V x 16.1H
	At 90% of Imax	4.8V x 6.3H
Beam Flux	Total	994.3 lumens per klm.
	To 10% of Imax	719.2 lumens per klm.
	To 50% of Imax	317.0 lumens per klm.
	To 90% of Imax	26.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.4 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:124.65lm/W	
MODEL		Imax(cd)	913040
NOMINAL POWER(W)	1000	AVAILABILITY(%)	75.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	94519
NOMINAL FLUX(lm)	125569	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	125569
TEST VOLTAGE(V)	220	q @50%(H,V)	16,18DEG

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	0.00	0.00	0.00	0.00	0.00	0.00	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	0.49	1.99	4.19	7.05	10.5	14.2	17.5	20.1	21.6	21.9	20.7	18.5	15.3	11.6	7.89	4.73	2.26	0.56	201	0.00
70	0.43	2.14	5.35	10.3	16.7	23.8	31.2	37.6	41.9	42.4	38.8	32.8	25.6	18.3	11.5	6.16	2.49	0.52	348	0.00
60	0.50	2.69	7.45	14.9	24.5	37.2	52.5	67.9	78.9	79.3	69.3	54.7	40.2	26.9	16.4	8.46	3.11	0.57	586	0.00
50	0.59	3.44	9.78	19.6	34.3	55.7	82.9	115	143	146	118	85.3	58.9	37.5	21.4	10.7	3.82	0.63	946	0.00
40	0.64	4.09	11.9	25.1	47.1	77.6	120	176	240	254	189	126	80.4	50.2	27.6	13.1	4.64	0.72	1449	0.00
30	0.63	4.51	13.7	31.1	60.4	108	178	299	536	600	368	192	112	63.8	35.4	16.1	5.77	0.93	2626	0.00
-30	0.67	5.03	15.6	37.1	76.1	153	290	865	2382	2827	1180	342	156	83.2	44.2	19.9	7.15	1.21	8485	4104
-40	0.74	5.51	17.2	42.5	94.7	208	568	2530	10002	12557	3614	620	195	104	52.2	22.7	8.01	1.38	30642	26760
-50	0.79	5.78	18.0	45.3	106	247	799	4142	18412	19617	4741	723	207	110	54.6	23.2	8.05	1.40	49260	45754
-60	0.79	5.71	17.5	42.8	93.3	200	550	2426	7940	7279	2139	481	185	98.0	50.7	22.1	7.86	1.38	21540	17872
-70	0.79	5.45	16.1	37.0	73.7	141	275	683	1107	1062	583	261	156	82.3	45.1	20.4	7.59	1.37	4558	27.9
-80	0.85	5.18	14.2	30.7	59.2	106	186	293	380	353	262	198	123	72.9	40.4	19.3	7.49	1.42	2153	0.00
-90	0.96	5.00	12.9	25.9	47.5	79.0	118	163	179	169	158	123	87.5	58.2	33.3	17.4	7.09	1.43	1286	0.00
F t	12.0	69.4	192	418	819	1554	3403	11974	41634	45177	13636	3394	1552	897	494	236	90.0	17.1	125569	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	26.1	6848	37549	41662	8432	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	94519

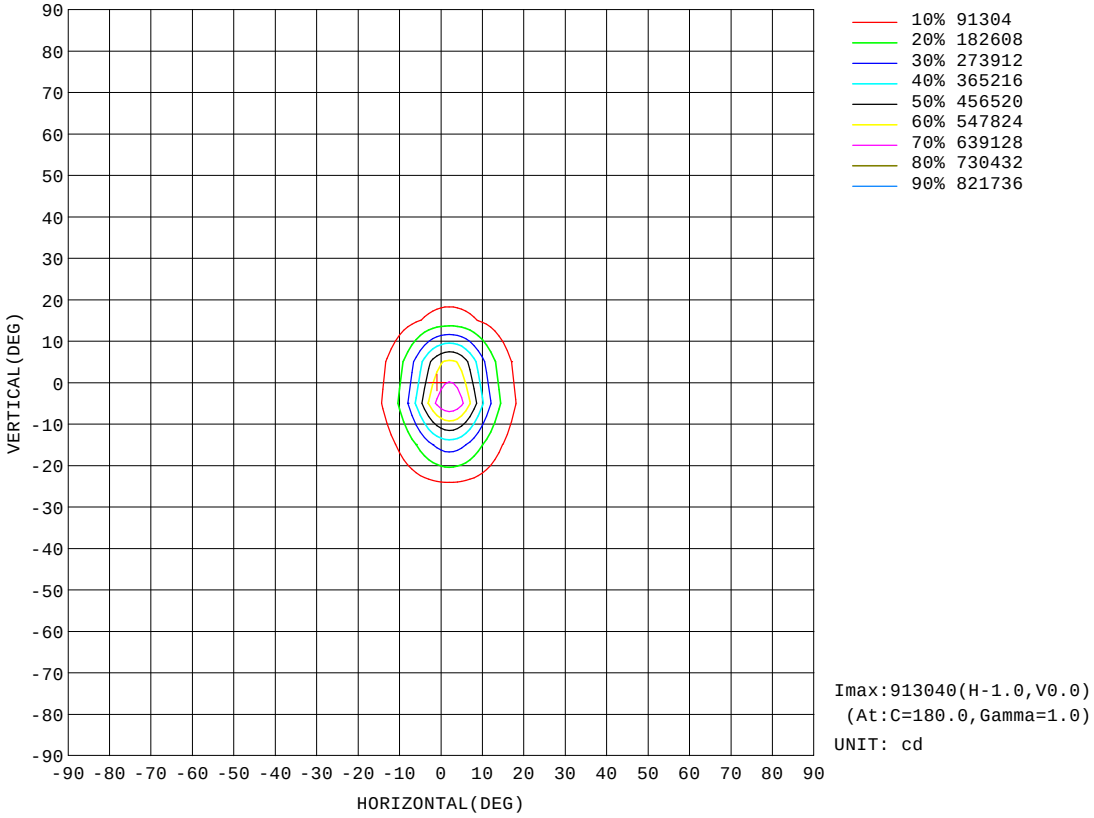
one-half-peak spread: U:11.9,D:6.1 , L:8.1,R:8.1 **NEMA Beam Type: Type 3**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 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:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

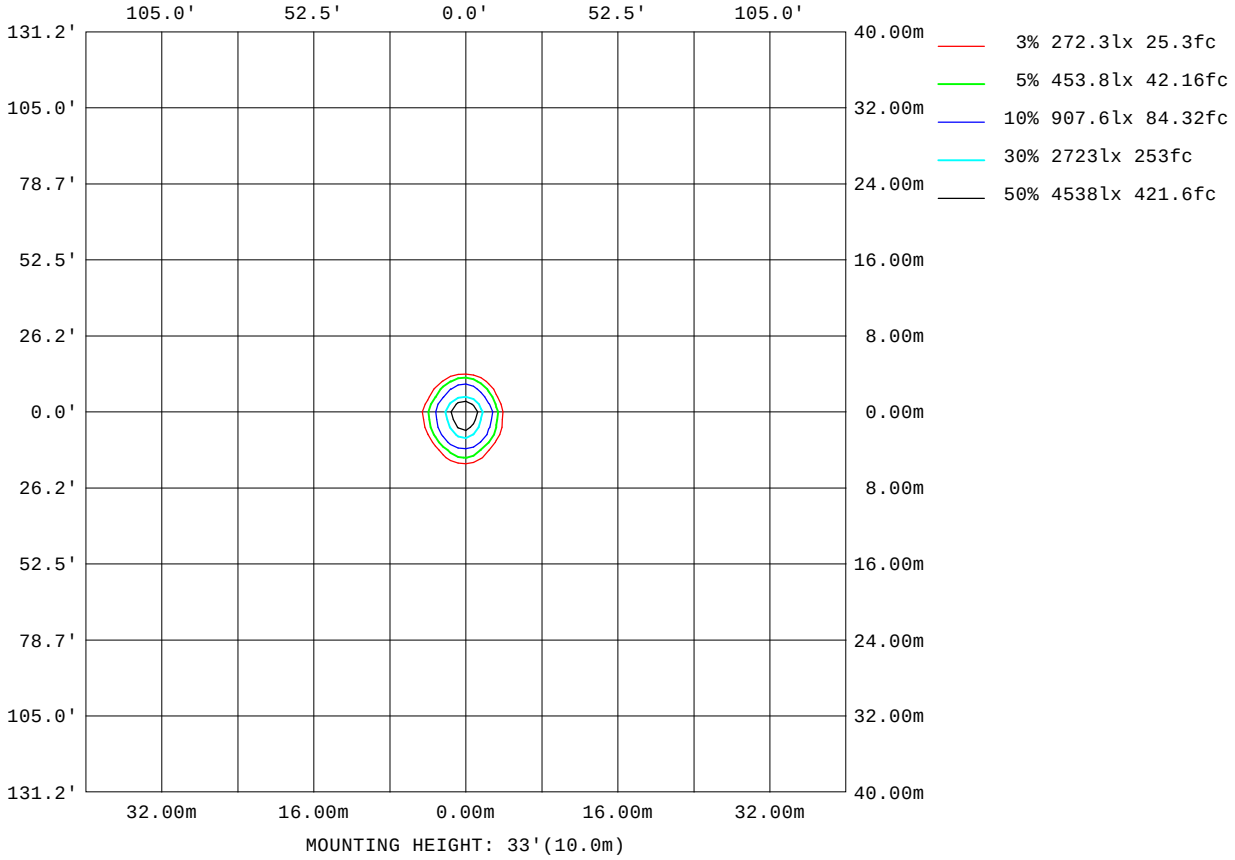


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 2020

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

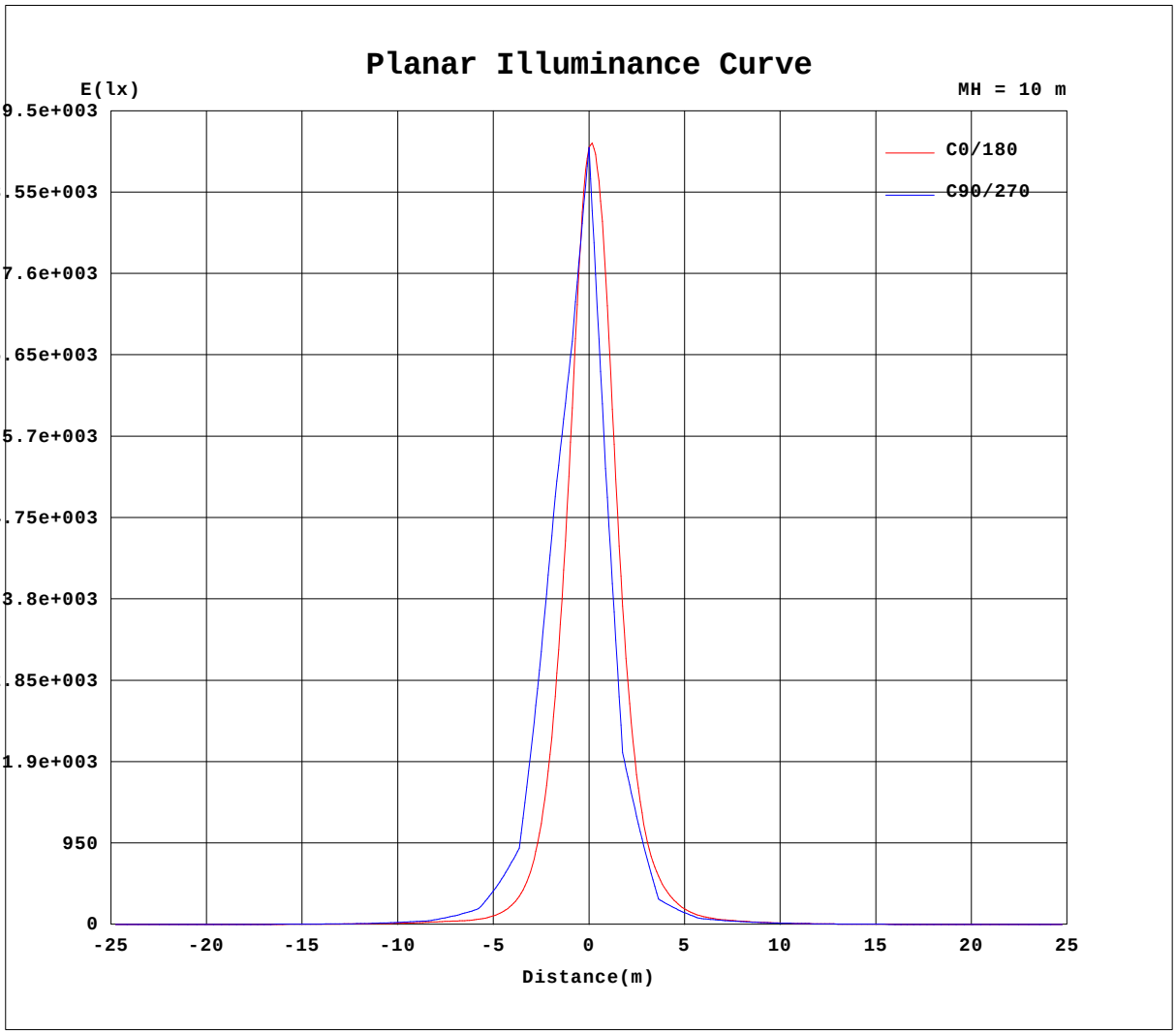
Test:U:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 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



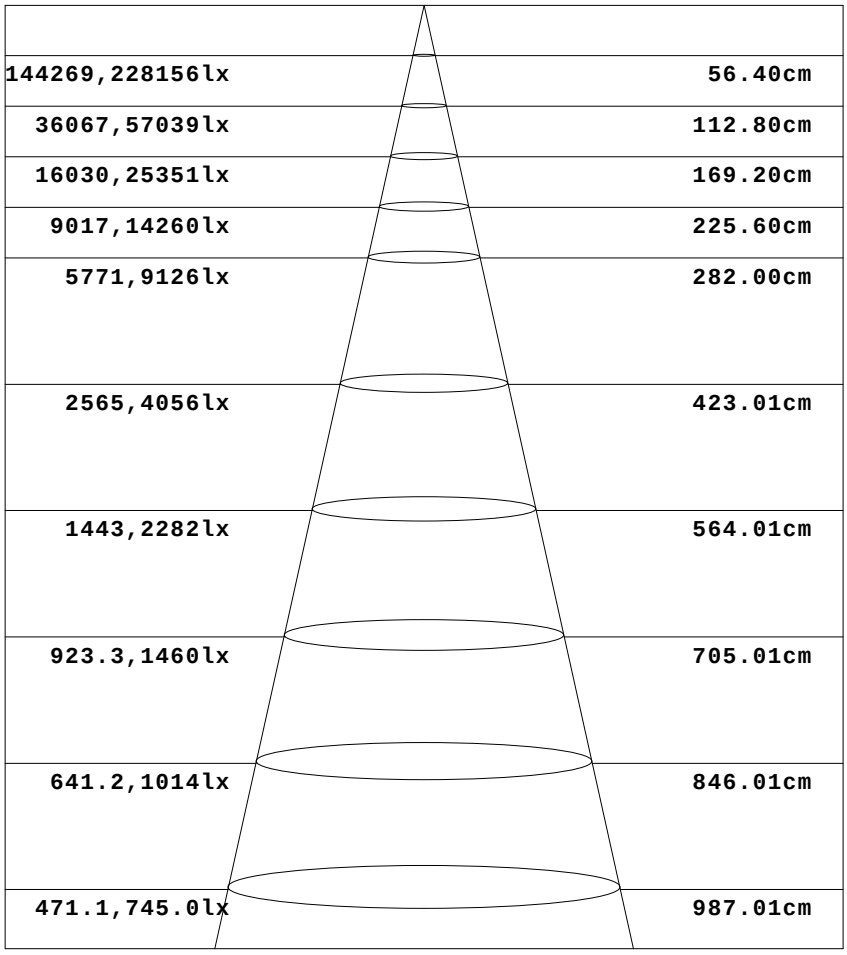
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:12 September 2020

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:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:40493 lm



Height	Eavg,Emax	Angle:16.05deg	Diameter
2m	144269,228156lx		56.40cm
4m	36067,57039lx		112.80cm
6m	16030,25351lx		169.20cm
8m	9017,14260lx		225.60cm
10m	5771,9126lx		282.00cm
15m	2565,4056lx		423.01cm
20m	1443,2282lx		564.01cm
25m	923.3,1460lx		705.01cm
30m	641.2,1014lx		846.01cm
35m	471.1,745.0lx		987.01cm

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:12 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:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	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	2.74	2.71	3.03	3.32	3.52	3.68	3.84	4.00	4.16	4.32	4.48	4.63	4.77	4.90	5.00	5.08	5.12	5.16	5.19
-75	2.82	2.95	3.20	3.70	4.16	4.53	4.92	5.33	5.75	6.18	6.59	6.98	7.32	7.63	7.91	8.14	8.31	8.46	8.59
-70	3.10	3.36	3.99	4.68	5.25	5.85	6.49	7.17	7.85	8.52	9.17	9.74	10.3	10.7	11.1	11.4	11.7	11.9	12.0
-65	2.99	3.22	3.71	4.57	5.45	6.34	7.28	8.29	9.31	10.3	11.4	12.4	13.3	14.3	15.2	15.9	16.6	17.1	17.5
-60	3.12	3.50	4.41	5.57	6.71	7.96	9.28	10.6	12.0	13.4	14.8	16.2	17.6	18.9	20.2	21.3	22.2	22.8	23.1
-55	2.93	3.13	3.85	5.13	6.47	7.96	9.54	11.2	13.0	15.0	17.4	19.9	22.4	25.0	27.5	29.8	31.8	33.3	34.2
-50	2.89	3.42	4.72	6.31	8.01	9.84	11.8	13.9	16.4	19.4	23.0	26.7	30.4	34.0	37.6	40.8	43.3	45.0	45.5
-45	2.69	2.86	3.86	5.55	7.31	9.21	11.3	13.7	16.6	20.3	24.5	29.4	34.8	40.7	47.4	54.9	62.4	68.8	72.6
-40	2.55	3.27	4.98	6.86	8.85	11.0	13.6	16.7	21.1	26.0	31.8	38.5	46.2	55.2	66.1	78.2	89.8	97.9	100
-35	2.07	2.33	3.72	5.69	7.81	10.1	12.7	15.9	20.3	25.4	31.5	38.9	48.9	61.8	76.8	98.3	129	165	190
-30	1.68	2.78	4.81	7.04	9.44	12.1	15.5	20.1	25.4	31.8	39.6	50.5	66.6	85.7	111	153	212	268	286
-25	1.35	1.82	3.60	5.80	8.30	11.0	14.4	18.9	24.4	31.0	39.3	51.2	66.5	87.4	126	204	337	519	669
-20	1.29	2.83	4.94	7.53	10.4	13.8	18.3	24.2	30.9	39.5	52.4	69.8	88.7	130	223	400	674	980	1077
-15	1.05	1.72	3.62	6.03	8.81	11.9	15.9	21.6	28.5	37.3	50.2	69.3	91.7	137	252	496	1049	2056	3057
-10	1.19	2.86	5.08	7.79	10.9	14.6	20.0	27.0	35.9	49.1	70.0	94.2	138	257	527	1149	2541	4481	5233
-5	0.96	1.80	3.59	6.09	8.97	12.2	16.6	22.8	30.5	41.4	58.7	83.2	115	192	389	819	1951	4332	6888
0	1.16	2.77	5.00	7.74	10.9	14.6	20.3	27.4	37.2	52.3	76.2	105	165	322	681	1594	3897	7687	9076
5	0.82	1.75	3.39	5.84	8.65	11.8	15.9	21.9	29.1	39.1	54.8	77.2	104	167	328	690	1588	3432	5388
10	1.13	2.52	4.64	7.20	10.2	13.6	18.4	24.5	32.3	42.9	59.5	78.4	104	172	343	675	1240	1888	2102
15	0.74	1.61	3.11	5.36	7.95	10.9	14.4	19.4	25.2	32.5	42.9	57.7	73.6	98.4	159	292	537	900	1206
20	1.09	2.35	4.20	6.51	9.19	12.1	15.9	21.0	26.6	33.6	43.2	56.0	68.5	82.9	114	170	254	335	359
25	0.85	1.56	2.88	4.86	7.13	9.69	12.6	16.3	21.0	26.3	32.7	41.2	51.6	61.8	76.3	101	142	193	233
30	1.17	2.28	3.80	5.85	8.10	10.6	13.4	17.2	21.7	26.4	31.8	38.5	46.9	56.2	65.7	76.4	91.1	107	114
35	1.10	1.66	2.79	4.40	6.32	8.47	10.8	13.4	16.8	20.7	25.0	29.9	35.6	42.5	50.0	58.2	68.0	79.5	88.4
40	1.44	2.39	3.56	5.20	7.10	9.08	11.1	13.5	16.5	20.2	23.8	27.8	32.3	37.6	43.8	51.1	58.6	64.3	65.8
45	1.21	1.65	2.59	3.78	5.33	7.04	8.80	10.6	12.7	15.3	18.3	21.5	25.1	29.1	33.5	38.5	43.7	48.4	50.9
50	1.32	2.05	2.93	4.15	5.63	7.11	8.67	10.3	12.0	14.1	16.6	19.5	22.6	25.8	29.0	32.1	34.7	36.2	36.3
55	1.13	1.45	2.21	3.04	4.16	5.41	6.72	8.10	9.51	11.0	12.7	14.7	16.8	19.1	21.3	23.6	25.5	27.0	27.7
60	1.20	1.69	2.42	3.21	4.18	5.28	6.40	7.63	8.77	9.94	11.1	12.4	13.8	15.1	16.3	17.4	18.3	18.9	19.0
65	1.15	1.37	1.87	2.49	3.16	3.94	4.81	5.73	6.65	7.58	8.54	9.44	10.4	11.3	12.2	13.0	13.7	14.2	14.5
70	1.29	1.53	2.08	2.55	3.05	3.66	4.29	4.95	5.64	6.35	7.02	7.58	8.11	8.63	9.08	9.40	9.64	9.90	10.00
75	1.28	1.40	1.61	2.03	2.39	2.75	3.16	3.56	3.99	4.45	4.90	5.29	5.65	5.98	6.29	6.55	6.71	6.86	7.00
80	1.40	1.45	1.65	1.96	2.15	2.33	2.51	2.69	2.88	3.07	3.26	3.44	3.57	3.73	3.84	3.90	3.95	4.00	4.02
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:12 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:232.9V I:4.433A P:1007W PF:0.9757 Freq:50.01Hz Lamp Flux:125569x1 lm		
NAME: ITSP21000154000	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	5.17	5.15	5.10	5.03	4.94	4.83	4.71	4.58	4.44	4.30	4.15	4.00	3.83	3.68	3.42	3.07	2.90	2.94
-75	8.60	8.51	8.41	8.28	8.09	7.84	7.55	7.23	6.86	6.46	6.04	5.63	5.18	4.78	4.40	3.88	3.37	3.21
-70	11.9	11.8	11.6	11.3	11.0	10.5	10.0	9.45	8.82	8.11	7.43	6.74	6.05	5.42	4.78	4.04	3.59	3.31
-65	17.5	17.3	16.9	16.3	15.5	14.7	13.8	12.8	11.9	10.9	9.88	8.87	7.84	6.86	5.94	4.95	4.08	3.65
-60	22.9	22.3	21.5	20.4	19.1	17.8	16.4	15.1	13.8	12.5	11.1	9.76	8.47	7.17	5.96	4.75	3.97	3.57
-55	34.2	33.4	32.0	30.2	28.1	25.9	23.6	21.3	18.8	16.5	14.5	12.7	10.9	9.24	7.64	6.08	4.66	3.93
-50	44.8	43.0	40.4	37.5	34.4	31.3	28.0	24.5	20.9	18.0	15.6	13.5	11.3	9.37	7.47	5.57	4.29	3.71
-45	72.5	68.9	62.7	55.7	48.7	42.4	37.1	32.4	27.9	23.7	19.8	16.6	14.0	11.6	9.29	7.20	5.18	4.05
-40	96.5	87.8	76.6	65.5	55.3	47.0	40.5	34.9	29.8	24.6	20.0	16.6	13.7	11.0	8.59	6.30	4.43	3.63
-35	188	160	126	97.5	78.7	64.9	52.5	42.6	35.6	29.8	24.4	19.5	15.8	12.8	10.0	7.56	5.25	3.69
-30	250	191	139	105	85.2	67.5	51.7	41.4	34.3	28.5	22.8	17.8	14.2	11.2	8.47	5.99	3.82	2.94
-25	650	482	308	186	118	84.0	66.9	52.3	40.7	33.3	27.5	21.7	16.8	13.2	10.2	7.47	5.08	3.19
-20	865	555	318	173	104	78.0	64.2	48.0	37.7	31.0	25.3	19.2	14.9	11.5	8.57	5.93	3.77	2.57
-15	2933	1845	899	407	195	106	76.6	63.3	47.4	37.4	30.4	24.1	17.9	13.8	10.5	7.58	5.06	3.06
-10	3762	1891	802	346	159	90.4	73.6	58.8	43.7	35.1	28.1	21.1	15.7	12.0	8.82	5.99	3.97	2.47
-5	6588	3767	1632	635	268	128	81.4	70.3	52.8	40.5	32.5	25.6	18.7	14.2	10.7	7.69	5.06	3.12
0	6103	2791	1056	399	176	96.0	75.2	61.6	45.1	35.9	28.5	21.4	15.8	12.1	8.86	6.00	3.94	2.22
5	5157	2970	1317	528	231	116	77.3	66.9	49.8	38.5	31.1	24.6	18.1	13.9	10.5	7.55	4.91	3.07
10	1640	945	468	232	121	77.4	67.6	51.8	39.1	31.8	25.8	19.6	15.0	11.6	8.54	5.71	3.67	2.04
15	1165	816	456	238	130	82.2	64.9	53.1	40.0	32.3	26.6	21.2	16.0	12.5	9.49	6.76	4.33	2.64
20	307	223	148	97.1	71.7	62.7	49.5	37.4	30.7	25.7	21.1	16.0	12.6	9.75	7.13	4.68	2.92	1.60
25	229	187	137	97.5	71.7	57.8	48.2	37.8	30.7	25.8	21.5	16.8	13.1	10.3	7.79	5.39	3.38	1.94
30	106	89.7	74.8	63.8	52.8	42.2	34.1	28.8	24.5	20.7	16.3	12.8	10.2	7.80	5.52	3.51	2.09	1.00
35	88.7	79.9	67.6	57.3	48.5	40.5	33.3	28.1	24.2	20.4	16.6	13.2	10.6	8.39	6.26	4.22	2.63	1.44
40	62.2	55.2	47.3	40.1	34.4	29.8	25.9	22.7	19.3	15.6	12.6	10.4	8.38	6.41	4.47	2.86	1.71	0.85
45	50.4	46.9	41.8	36.5	31.8	27.8	24.4	21.2	18.3	15.3	12.6	10.5	8.71	6.87	5.07	3.48	2.28	1.29
50	34.9	32.7	29.9	27.0	24.3	21.6	18.9	16.2	13.7	11.7	10.0	8.47	6.89	5.17	3.69	2.55	1.60	0.94
55	27.4	26.3	24.6	22.7	20.7	18.7	16.8	14.8	12.9	11.2	9.66	8.28	6.86	5.43	4.09	2.97	2.08	1.31
60	18.7	18.0	17.1	15.9	14.7	13.5	12.2	11.1	9.91	8.76	7.61	6.38	5.16	4.03	3.07	2.30	1.54	1.11
65	14.4	14.1	13.6	13.0	12.2	11.4	10.5	9.62	8.74	7.79	6.85	5.91	4.96	4.05	3.24	2.54	1.86	1.37
70	9.87	9.65	9.40	9.08	8.67	8.20	7.68	7.09	6.39	5.67	4.95	4.28	3.66	3.05	2.55	1.99	1.52	1.27
75	6.99	6.89	6.76	6.61	6.39	6.12	5.81	5.46	5.06	4.62	4.15	3.69	3.27	2.86	2.48	2.08	1.64	1.43
80	4.00	3.98	3.95	3.90	3.81	3.67	3.53	3.35	3.18	2.99	2.78	2.59	2.39	2.20	1.95	1.63	1.49	1.42
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:12 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: