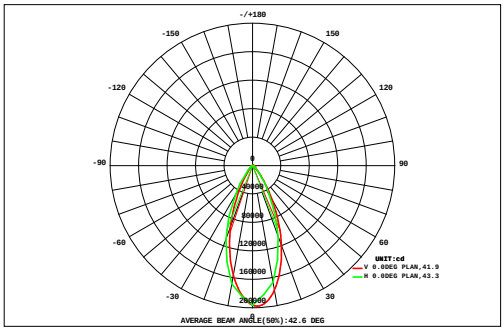
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1664.6 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	76.5V x 72.3H
	At 50% of Imax	43.3V x 41.9H
	At 90% of Imax	14.5V x 15.8H
Beam Flux	Total	998.6 lumens per klm.
	To 10% of Imax	859.9 lumens per klm.
	To 50% of Imax	495.5 lumens per klm.
	To 90% of Imax	68.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:169.21lm/W	
MODEL		Imax(cd)	197657
NOMINAL POWER(W)	700	AVAILABILITY(%)	86.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	102515
NOMINAL FLUX(lm)	118741	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	118741
TEST VOLTAGE(V)	220	q @50%(H,V)	42,43DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(DEG) 16	24	32	40	48	56	64	72	F t	F a
72	4.91	8.79	13.4	18.4	23.1	27.6	31.2	34.0	35.4	35.1	33.0	29.6	25.9	21.5	16.7	11.8	7.30	3.77	381	0.00
64	6.06	10.9	16.7	23.3	30.6	37.9	44.6	49.5	51.9	51.5	48.4	42.8	35.8	28.7	21.8	15.6	9.96	5.34	531	0.00
56	6.96	12.5	19.6	28.5	38.8	50.6	63.3	74.8	81.5	80.9	73.2	61.8	49.4	38.0	27.8	19.2	12.4	6.83	746	0.00
48	7.99	14.4	22.9	34.3	50.0	74.5	110	149	175	175	148	110	74.3	49.7	34.1	22.8	14.4	7.99	1274	0.00
40	9.48	17.1	28.0	44.1	76.1	142	246	367	446	437	344	220	122	66.4	39.9	25.7	15.7	8.64	2654	1012
32	10.4	19.2	32.8	60.6	136	298	571	892	1084	1037	777	453	219	96.9	49.0	30.0	18.0	9.92	5794	4842
24	10.9	20.8	37.8	84.6	222	558	1125	1731	2092	2053	1619	975	433	162	65.5	35.3	21.1	11.5	11258	10524
-24	11.3	21.8	41.0	98.5	282	750	1540	2390	2962	2972	2415	1553	734	257	88.8	40.7	23.6	12.9	16194	15534
-32	11.9	23.0	44.7	115	339	921	1869	2867	3564	3578	2891	1875	905	313	102	43.7	24.7	13.4	19503	18879
-40	12.9	25.0	51.7	142	425	1099	2090	3089	3709	3560	2758	1708	770	256	87.0	41.0	23.7	12.8	19860	19239
-48	12.5	23.9	46.9	119	338	869	1695	2526	3028	2950	2323	1451	657	229	83.3	40.7	23.8	12.9	16429	15776
-56	11.4	21.3	38.0	80.3	198	488	1012	1606	2003	2016	1626	1021	491	193	78.3	40.4	23.7	13.0	10962	10215
-64	10.6	19.4	33.3	60.5	128	277	539	859	1091	1104	893	568	290	131	64.6	37.8	22.8	12.7	6142	5220
-72	10.2	18.3	30.5	50.4	90.0	161	265	382	457	441	341	220	132	79.0	50.5	33.3	20.7	11.8	2793	1276
F t	170	313	544	1083	2548	5982	11487	17349	21131	20824	16587	10539	5142	2084	931	525	319	177	117733	---
F a	0.00	0.00	0.00	4.78	1085	4781	10483	16414	20161	19870	15706	9496	3949	562	0.00	0.00	0.00	0.00	---	102515

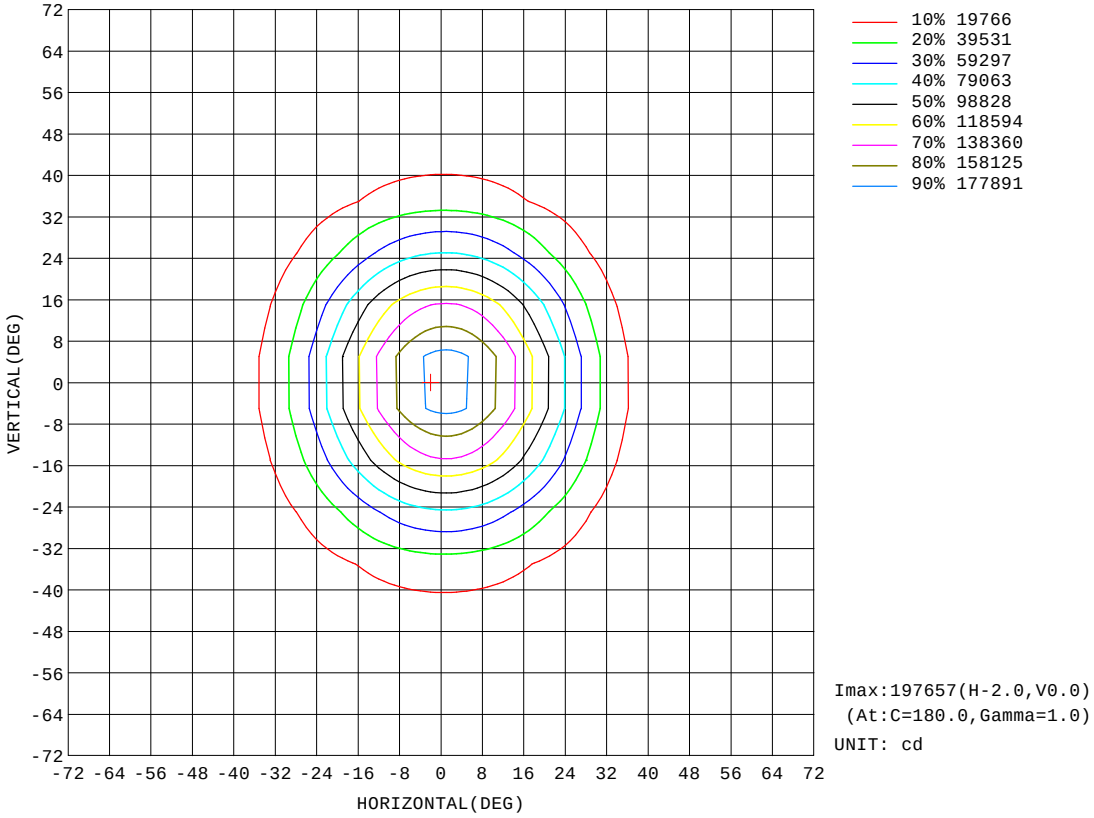
one-half-peak spread: U:21.6,D:22.1 , L:21.2,R:21.0 NEMA Beam Type: Type 5

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 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:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

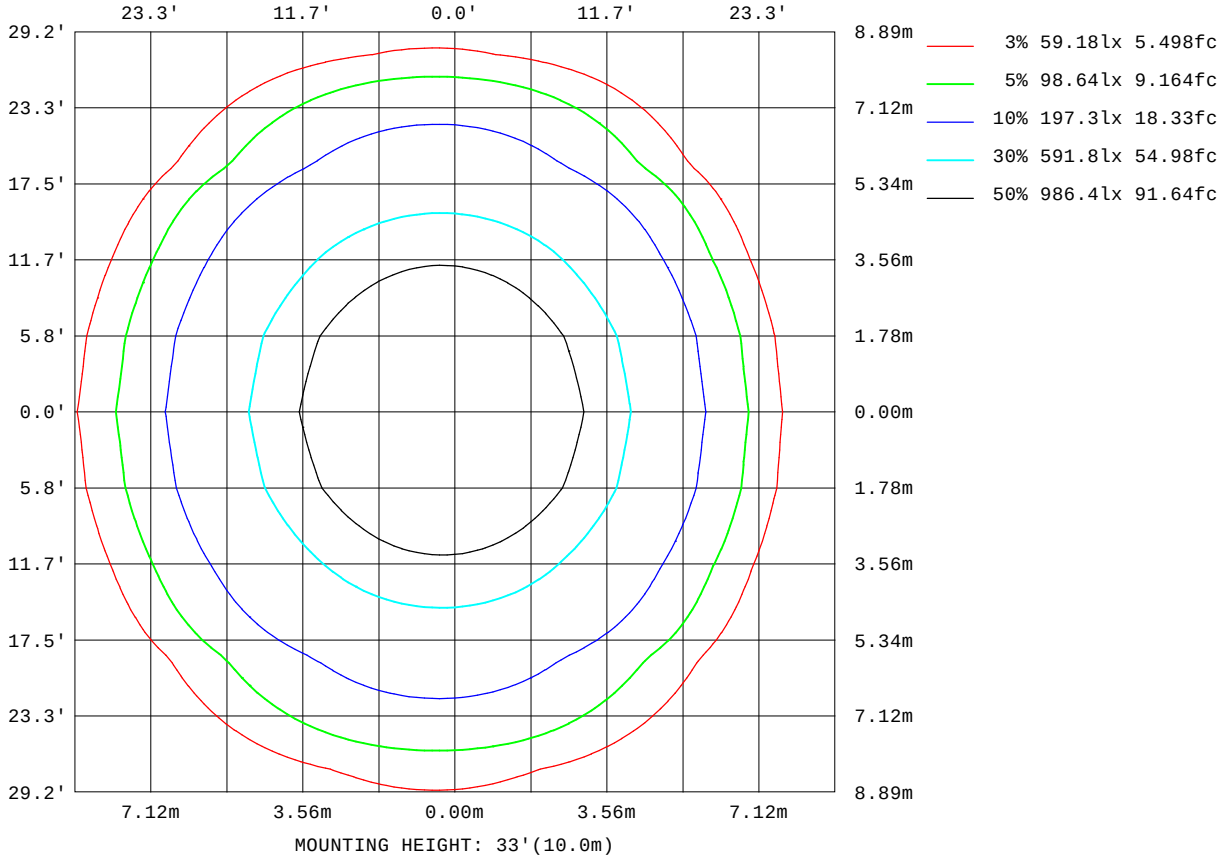


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 September 2020

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

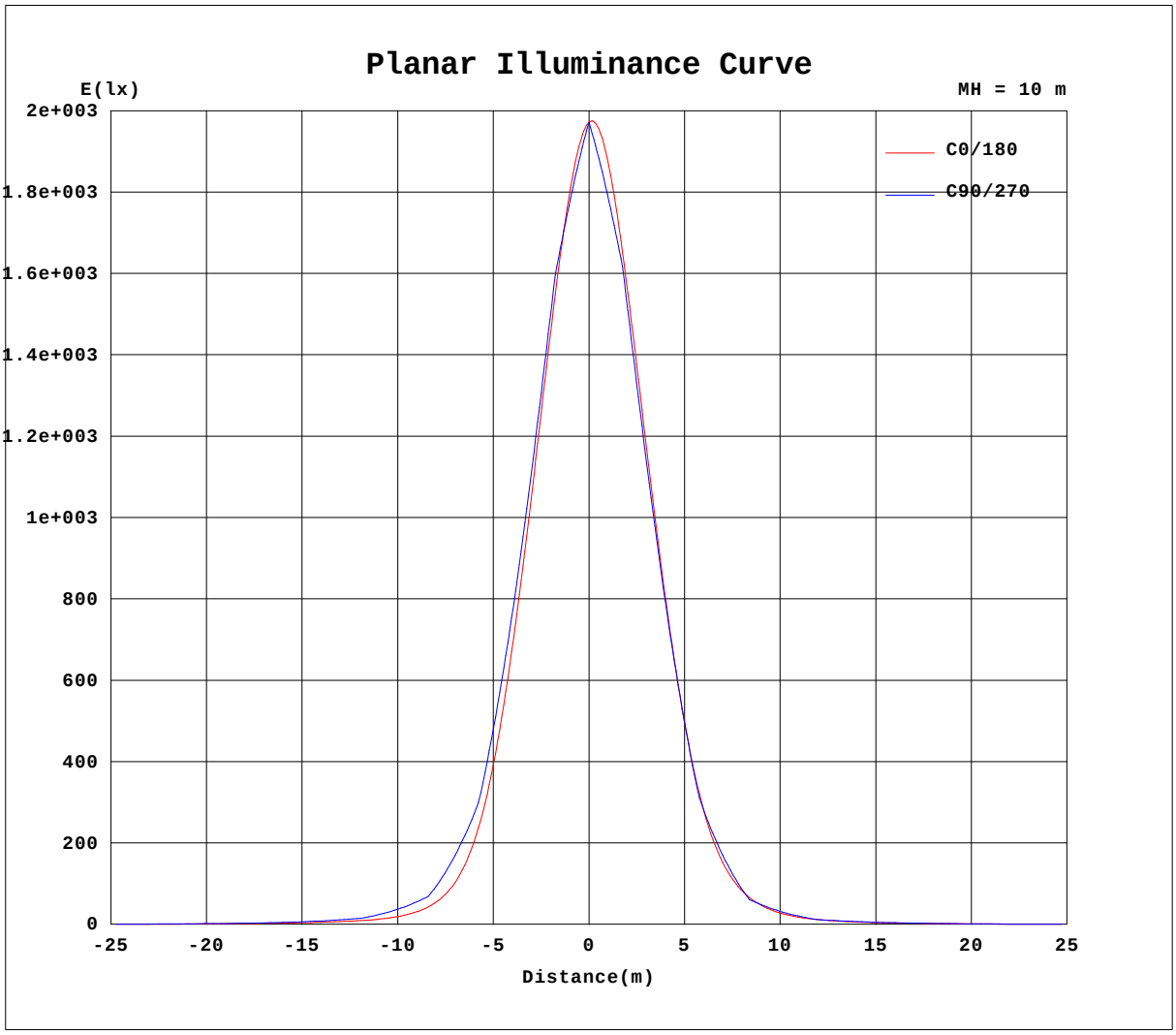
Test:U:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 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

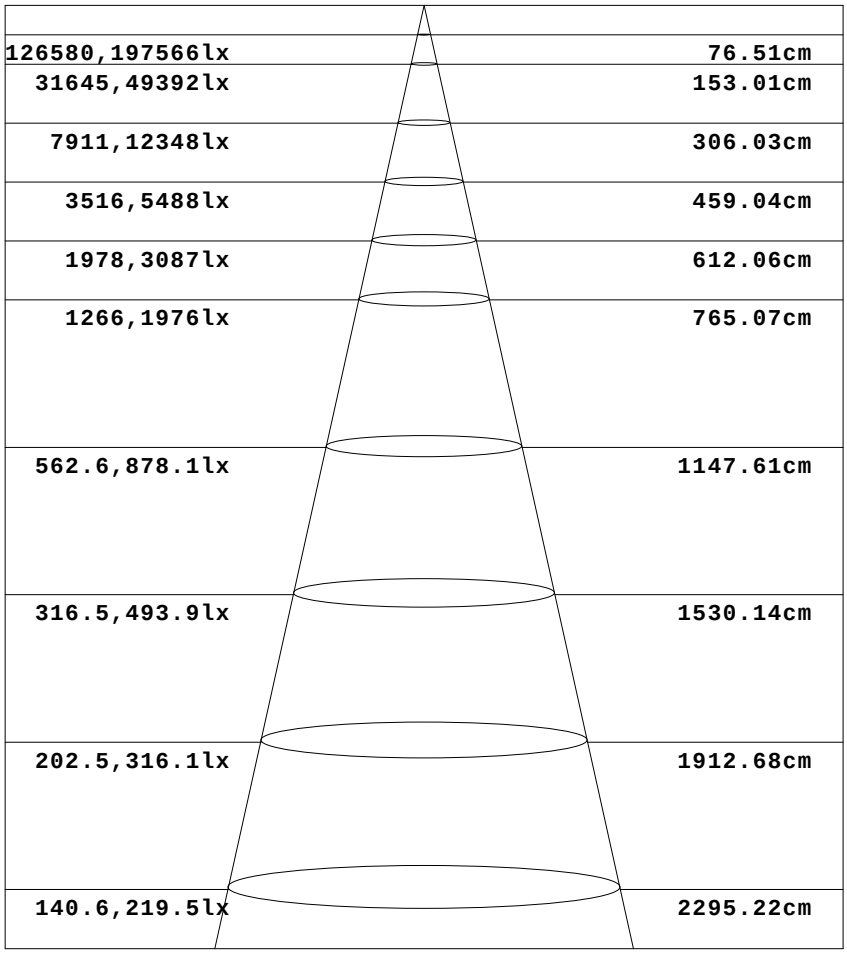


H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:23 September 2020	Remarks:

AAI Figure

Test:U:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:58596 lm



Height Eavg,Emax Angle:41.87deg 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:23 September 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	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	3.25	3.29	3.79	4.46	5.02	5.50	6.00	6.58	7.12	7.68	8.19	8.43	8.61	8.84	8.99	9.07	9.16	9.23	9.17
-75	3.11	3.40	3.77	4.67	5.72	6.59	7.59	8.49	9.41	10.3	11.1	11.7	12.2	12.6	13.0	13.3	13.6	13.8	13.9
-70	3.36	3.73	4.79	6.20	7.46	8.83	10.3	11.5	12.7	13.9	14.8	15.7	16.3	16.9	17.4	17.9	18.3	18.5	18.5
-65	3.13	3.57	4.37	5.98	7.80	9.48	11.2	12.8	14.3	15.8	17.3	18.7	20.0	21.1	22.2	23.2	24.0	24.6	24.8
-60	3.42	4.06	5.73	8.03	10.3	12.1	14.0	15.9	17.7	19.5	21.4	23.2	25.0	26.7	28.3	29.6	30.5	31.0	31.0
-55	3.07	3.56	4.86	7.25	9.81	12.0	14.1	16.3	18.6	21.0	23.7	26.6	29.6	32.8	36.2	39.4	42.1	43.9	44.6
-50	3.26	4.23	6.64	9.80	12.1	14.4	16.8	19.4	22.3	25.7	29.4	33.6	38.0	43.0	48.1	52.7	56.1	57.9	57.7
-45	2.82	3.33	5.20	8.46	11.3	13.8	16.3	19.2	22.5	26.4	31.3	37.8	46.6	57.8	70.6	83.8	95.6	104	107
-40	2.88	4.25	7.50	10.8	13.4	16.1	19.1	22.8	27.1	32.7	40.5	52.0	68.1	87.8	109	130	146	155	155
-35	2.40	2.97	5.53	9.33	12.2	15.1	18.1	21.8	26.4	32.6	42.7	59.3	84.5	120	163	213	260	295	310
-30	2.36	4.26	8.09	11.4	14.4	17.5	21.3	26.1	32.6	43.4	63.0	94.4	141	202	276	353	419	458	459
-25	1.87	2.65	5.87	9.83	12.9	16.2	19.8	24.3	30.7	41.7	62.7	100	162	255	377	510	635	726	765
-20	1.92	4.49	8.63	12.0	15.3	19.0	23.5	29.5	40.3	61.8	102	173	288	449	637	822	972	1055	1062
-15	1.42	2.47	6.04	10.2	13.5	17.1	21.4	26.7	35.2	52.9	88.8	156	275	456	685	921	1140	1299	1369
-10	1.59	4.58	8.84	12.4	16.0	20.2	25.3	32.8	48.2	81.2	146	266	464	729	1019	1293	1517	1650	1664
-5	1.16	2.53	6.03	10.3	13.9	17.7	22.3	28.2	38.5	61.4	109	201	366	617	919	1226	1507	1721	1822
0	1.46	4.45	8.87	12.5	16.2	20.5	25.9	34.1	52.0	90.9	168	312	551	859	1190	1508	1776	1946	1961
5	0.93	2.55	5.86	10.2	13.7	17.5	22.1	27.9	38.1	60.8	109	200	367	620	926	1233	1516	1732	1833
10	1.55	4.25	8.51	12.0	15.6	19.7	24.8	32.2	47.0	79.9	145	267	469	741	1034	1310	1537	1672	1684
15	0.82	2.44	5.53	9.65	13.0	16.6	20.8	25.9	34.0	50.9	86.9	155	276	464	701	946	1168	1326	1397
20	1.58	4.01	7.99	11.2	14.5	18.2	22.6	28.2	38.0	58.8	100	172	293	465	664	860	1007	1090	1096
25	0.95	2.35	5.13	8.91	11.9	15.1	18.6	22.9	28.5	38.3	58.4	95.6	159	256	384	528	660	752	792
30	1.61	3.76	7.11	10.1	13.1	16.1	19.6	23.8	29.3	38.4	56.0	87.1	133	196	276	363	435	476	477
35	1.13	2.27	4.66	8.00	10.6	13.4	16.2	19.6	23.6	28.7	37.0	51.7	75.6	109	154	206	257	294	310
40	1.68	3.49	6.12	9.02	11.5	14.0	16.8	20.0	23.5	27.8	33.7	42.6	56.0	73.7	93.6	113	128	137	136
45	1.29	2.20	4.17	6.81	9.29	11.6	14.0	16.6	19.4	22.7	26.5	31.4	38.4	47.7	59.1	71.0	81.8	89.5	92.4
50	1.75	3.18	5.18	7.80	9.87	12.1	14.2	16.5	19.1	21.9	24.9	27.9	31.4	35.2	39.0	42.5	45.3	46.8	46.8
55	1.44	2.13	3.68	5.52	7.81	9.77	11.7	13.7	15.8	18.0	20.3	22.6	25.1	27.6	30.3	32.8	34.9	36.4	36.9
60	1.82	2.82	4.28	6.01	8.13	9.83	11.6	13.4	15.0	16.7	18.4	20.3	21.8	23.3	24.7	25.8	26.4	26.8	26.7
65	1.60	2.08	3.13	4.41	6.00	7.55	9.16	10.7	12.1	13.6	14.9	16.2	17.5	18.6	19.6	20.4	21.1	21.5	21.7
70	1.90	2.41	3.49	4.51	5.76	7.32	8.47	9.73	11.0	12.1	12.9	13.7	14.5	15.1	15.6	16.0	16.4	16.5	16.5
75	1.77	2.05	2.54	3.36	4.20	5.11	6.14	7.03	8.01	8.94	9.67	10.3	10.8	11.3	11.7	12.0	12.3	12.5	12.7
80	1.98	2.11	2.58	3.21	3.72	4.25	4.84	5.51	6.24	6.69	7.13	7.52	7.80	8.07	8.27	8.45	8.59	8.75	8.74
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:23 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:235.9V I:3.014A P:701.7W PF:0.9870 Freq:50.01Hz Lamp Flux:118741x1 lm		
NAME: ITSP2700454000	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	9.01	8.80	8.61	8.36	8.10	7.83	7.58	7.04	6.57	6.11	5.58	5.09	4.63	4.22	3.74	3.32	3.20	3.14
-75	13.8	13.5	13.2	12.8	12.4	12.0	11.4	10.9	10.1	9.30	8.47	7.57	6.60	5.76	4.99	4.16	3.54	3.40
-70	18.3	17.8	17.3	16.8	16.2	15.5	14.7	13.8	12.7	11.5	10.3	8.78	7.53	6.35	5.23	4.17	3.64	3.41
-65	24.7	24.1	23.4	22.5	21.4	20.3	19.0	17.8	16.4	15.0	13.5	11.9	10.2	8.63	7.00	5.47	4.23	3.76
-60	30.6	29.6	28.4	26.9	25.2	23.6	21.9	20.2	18.4	16.7	14.8	12.9	11.1	8.85	6.95	5.14	4.10	3.72
-55	44.0	42.3	39.9	37.1	34.0	31.0	28.1	25.5	22.9	20.4	18.1	15.9	13.7	11.5	9.17	6.88	4.89	4.02
-50	55.6	52.3	48.1	43.6	39.0	34.9	31.1	27.7	24.4	21.4	18.8	16.3	13.8	11.5	8.64	6.01	4.36	3.85
-45	105	96.8	85.5	72.3	59.4	48.6	40.6	34.6	29.9	25.8	22.3	19.2	16.5	13.8	11.1	8.13	5.37	4.04
-40	145	128	107	85.3	66.2	52.1	42.5	35.7	30.4	25.9	22.1	18.9	15.9	13.1	9.94	6.79	4.36	3.69
-35	301	270	224	173	127	90.1	64.0	47.3	37.4	31.1	26.2	22.0	18.6	15.5	12.5	9.06	5.78	3.83
-30	424	360	280	203	141	94.4	63.4	45.9	36.3	30.0	25.1	20.9	17.5	14.3	11.2	7.38	4.25	3.33
-25	746	672	554	416	285	179	109	68.4	46.7	35.8	29.2	24.3	20.1	16.6	13.3	9.70	6.06	3.53
-20	991	852	664	467	294	171	100	61.5	42.3	33.0	27.1	22.5	18.5	14.9	11.7	7.44	4.16	2.91
-15	1338	1212	1010	773	529	317	176	97.5	58.2	39.9	31.3	25.8	21.2	17.3	13.8	10.1	6.06	3.26
-10	1554	1343	1075	782	497	276	145	80.0	48.7	35.3	28.5	23.5	19.2	15.5	12.0	7.50	4.24	2.59
-5	1777	1603	1341	1036	720	432	231	120	66.4	42.5	32.3	26.3	21.6	17.6	14.0	10.2	5.88	3.10
0	1817	1564	1247	910	582	324	164	86.3	50.7	35.6	28.4	23.4	19.1	15.4	11.8	7.24	4.02	2.22
5	1787	1611	1348	1038	720	432	230	118	65.1	41.4	31.5	25.7	21.1	17.2	13.6	9.85	5.55	2.95
10	1572	1359	1082	784	498	275	142	77.1	46.5	33.5	27.1	22.4	18.2	14.6	11.2	6.82	3.67	2.09
15	1364	1235	1030	784	533	317	172	93.2	54.4	36.8	28.9	23.8	19.6	16.0	12.6	8.99	5.02	2.64
20	1022	880	685	478	296	167	94.6	56.2	37.8	29.5	24.3	20.1	16.5	13.2	10.0	5.97	3.22	1.89
25	770	692	569	422	282	173	102	61.4	40.6	30.8	25.2	20.9	17.3	14.2	11.1	7.70	4.32	2.22
30	437	365	278	194	129	83.9	54.6	38.1	30.0	25.0	20.8	17.2	14.3	11.4	8.53	4.98	2.65	1.56
35	300	266	217	163	115	78.9	54.3	38.9	30.2	25.1	21.2	17.7	14.8	12.1	9.44	6.29	3.58	1.83
40	127	110	90.9	71.6	54.6	41.9	33.5	28.0	23.9	20.4	17.3	14.5	12.1	9.56	6.80	4.06	2.17	1.33
45	89.9	82.4	71.8	60.1	49.0	39.5	32.4	27.4	23.5	20.3	17.4	14.8	12.4	10.1	7.74	4.99	2.95	1.57
50	45.0	42.2	38.7	35.0	31.4	28.0	24.8	21.9	19.1	16.5	14.3	12.2	9.97	7.86	5.27	3.32	1.86	1.26
55	36.4	35.0	33.0	30.6	28.0	25.4	22.9	20.5	18.2	16.0	14.0	12.1	10.1	8.12	5.99	3.97	2.51	1.51
60	26.3	25.6	24.4	23.0	21.4	19.8	18.1	16.3	14.7	13.1	11.4	9.58	7.85	5.80	4.09	2.77	1.71	1.38
65	21.5	21.1	20.4	19.4	18.3	17.2	16.1	14.8	13.4	12.0	10.6	9.09	7.45	5.96	4.40	3.18	2.19	1.59
70	16.3	15.8	15.2	14.6	14.0	13.3	12.5	11.6	10.5	9.29	8.03	6.69	5.25	4.11	3.16	2.38	1.73	1.60
75	12.6	12.3	11.9	11.4	11.0	10.5	9.93	9.31	8.55	7.62	6.73	5.77	4.77	3.90	3.16	2.52	1.96	1.75
80	8.58	8.30	8.02	7.73	7.40	6.98	6.62	6.12	5.45	4.87	4.29	3.71	3.22	2.78	2.40	1.95	1.84	1.81
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:23 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: