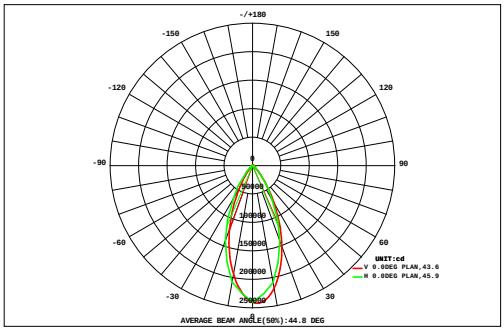
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1524.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	79.7V x 76.0H
	At 50% of Imax	45.9V x 43.6H
	At 90% of Imax	15.7V x 16.2H
Beam Flux	Total	999.0 lumens per klm.
	To 10% of Imax	871.2 lumens per klm.
	To 50% of Imax	500.3 lumens per klm.
	To 90% of Imax	69.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:157.63lm/W	
MODEL		Imax(cd)	242031
NOMINAL POWER(W)	1000	AVAILABILITY(%)	87.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	138985
NOMINAL FLUX(lm)	158795	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	158795
TEST VOLTAGE(V)	220	q @50%(H,V)	44,46DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-72	-64	-56	-48	-40	-32	-24	-16	16	24	32	40	48	56	64	72	F t	F a
72	5.69	10.1	15.6	21.6	27.5	33.2	37.8	41.3	43.1	42.7	40.1	35.9	30.9	25.3	19.4	13.6	8.56	4.54	457	0.00
64	6.93	12.7	19.7	27.9	37.0	46.0	54.3	60.6	63.7	63.2	58.9	51.9	43.3	34.4	25.8	18.1	11.5	6.18	642	0.00
56	7.94	14.6	23.3	34.3	47.8	65.0	86.1	107	120	119	104	83.2	62.5	46.2	33.3	22.7	14.4	7.85	999	0.00
48	9.16	16.9	27.5	42.5	67.7	112	173	236	279	279	235	170	110	67.2	42.0	27.2	16.9	9.21	1919	0.00
40	11.0	20.3	34.1	60.2	121	233	395	569	679	666	536	354	197	99.3	52.0	30.7	18.5	9.99	4085	2193
32	12.1	22.9	42.4	94.1	221	463	856	1273	1512	1464	1141	704	354	157	68.8	36.2	21.2	11.5	8454	7390
24	12.7	25.0	51.9	133	343	811	1517	2243	2676	2638	2131	1365	667	263	100	44.2	24.7	13.4	15058	14220
-24	13.1	26.4	57.1	155	426	1048	2005	3007	3671	3684	3040	2035	1048	404	139	54.0	27.7	14.9	20856	20102
-32	13.9	28.1	63.8	180	509	1264	2395	3566	4373	4383	3586	2409	1256	482	159	58.8	29.1	15.6	24771	24043
-40	15.3	31.4	77.2	223	629	1485	2671	3847	4569	4387	3451	2229	1095	401	134	52.7	27.8	14.9	25340	24625
-48	14.8	29.9	69.2	191	519	1229	2244	3242	3830	3725	2981	1933	955	360	127	52.1	28.0	15.0	21544	20780
-56	13.5	26.3	53.4	131	328	766	1463	2201	2672	2680	2203	1441	738	304	116	51.3	28.0	15.2	15230	14373
-64	12.6	23.8	44.2	93.9	214	455	847	1294	1592	1603	1320	865	458	206	91.3	46.7	27.0	14.9	9209	8172
-72	12.1	22.5	39.6	73.6	145	269	446	640	757	733	580	375	214	116	64.9	40.1	24.6	13.8	4567	3087
	12.1	21.7	35.8	58.6	97.2	154	217	263	277	252	202	148	99.1	67.7	48.5	33.2	21.1	11.9	2019	0.00
	10.7	18.8	29.3	42.3	57.8	75.9	96.5	114	124	121	108	91.3	74.5	57.4	42.0	29.1	18.9	10.8	1123	0.00
	8.83	15.4	23.4	32.6	42.8	53.1	63.1	72.0	77.6	78.9	74.9	66.3	55.4	44.2	33.6	24.3	16.1	9.36	792	0.00
	7.06	12.1	18.1	24.7	31.4	37.5	42.4	46.0	47.9	47.9	46.1	42.5	37.5	31.3	24.8	18.3	12.4	7.35	535	0.00
F t	199	379	726	1619	3863	8600	15609	22820	27362	26966	21838	14400	7495	3166	1322	654	377	206	157601	---
F a	0.00	0.00	0.00	97.8	2093	7267	14405	21638	26240	25812	20682	13310	6118	1323	0.00	0.00	0.00	0.00	---	138985

HORIZONTAL(DEG)

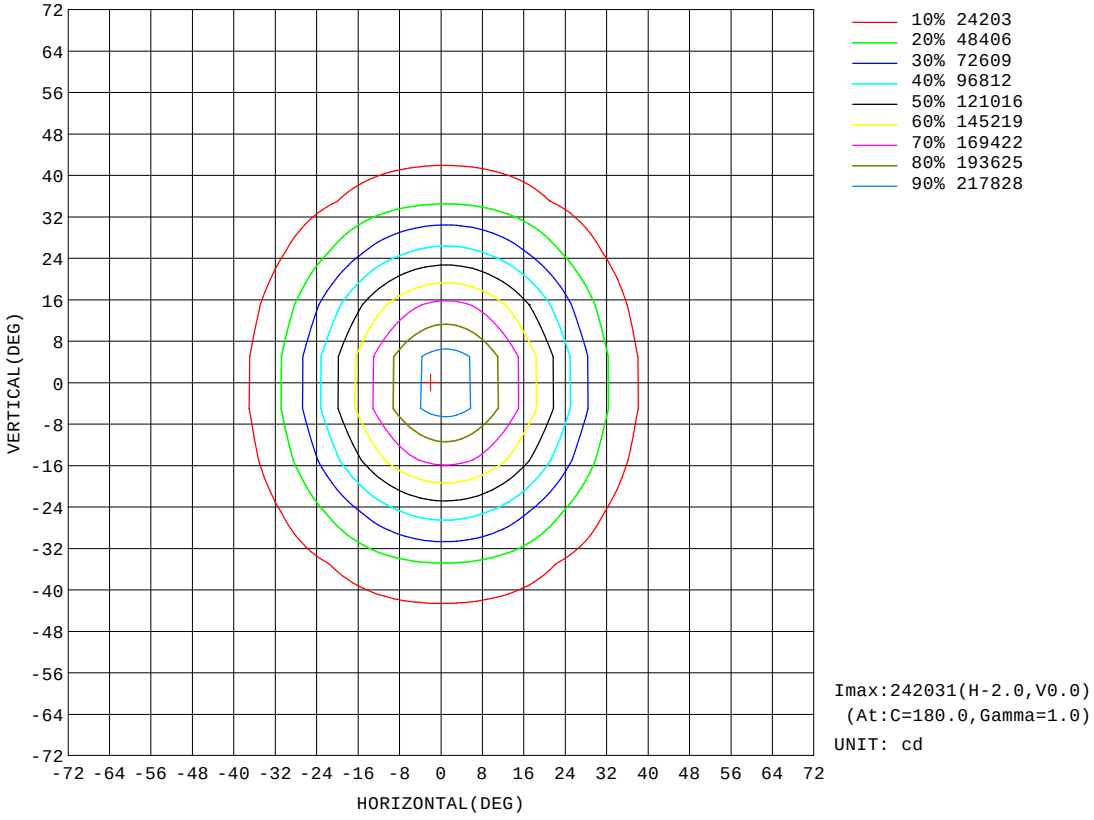
one-half-peak spread: U:23.2,D:23.1 , L:22.0,R:21.9 **NEMA Beam Type: Type 5**

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:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

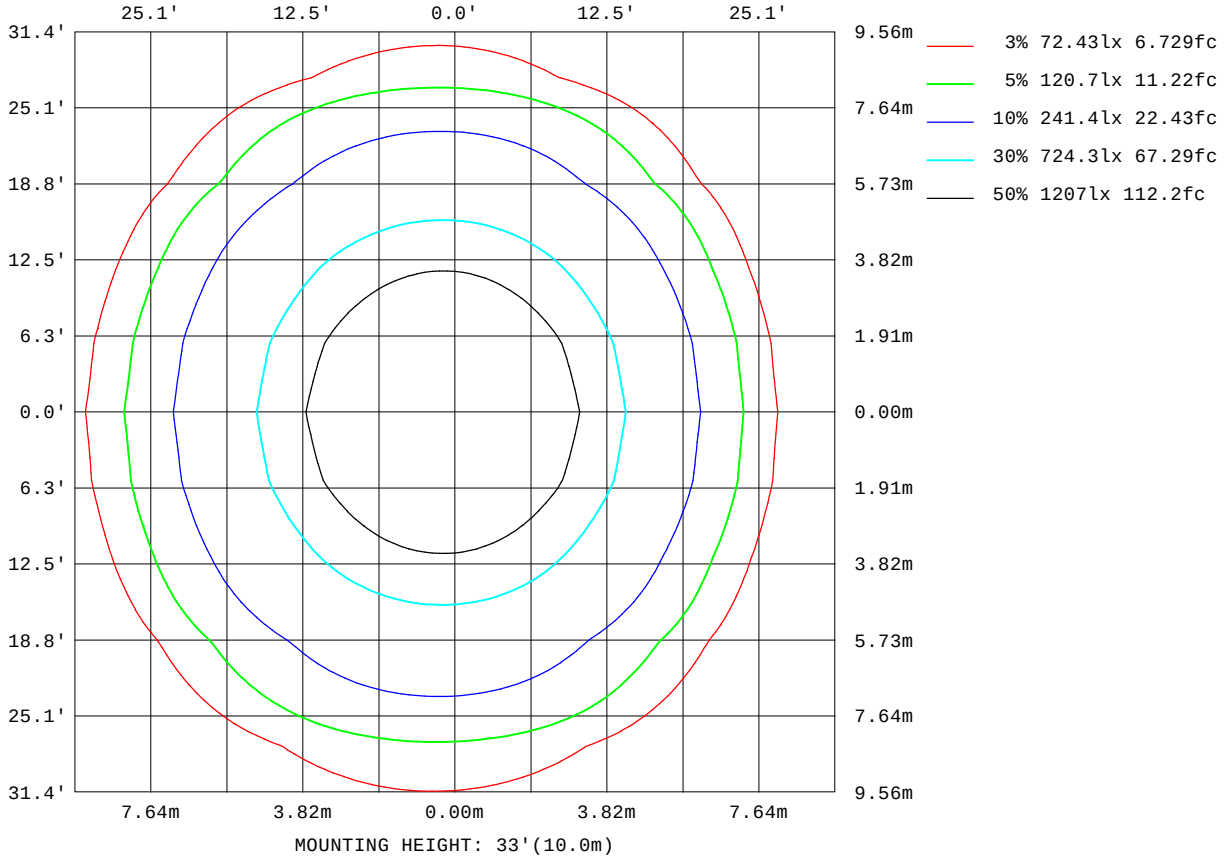


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 September 2020

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

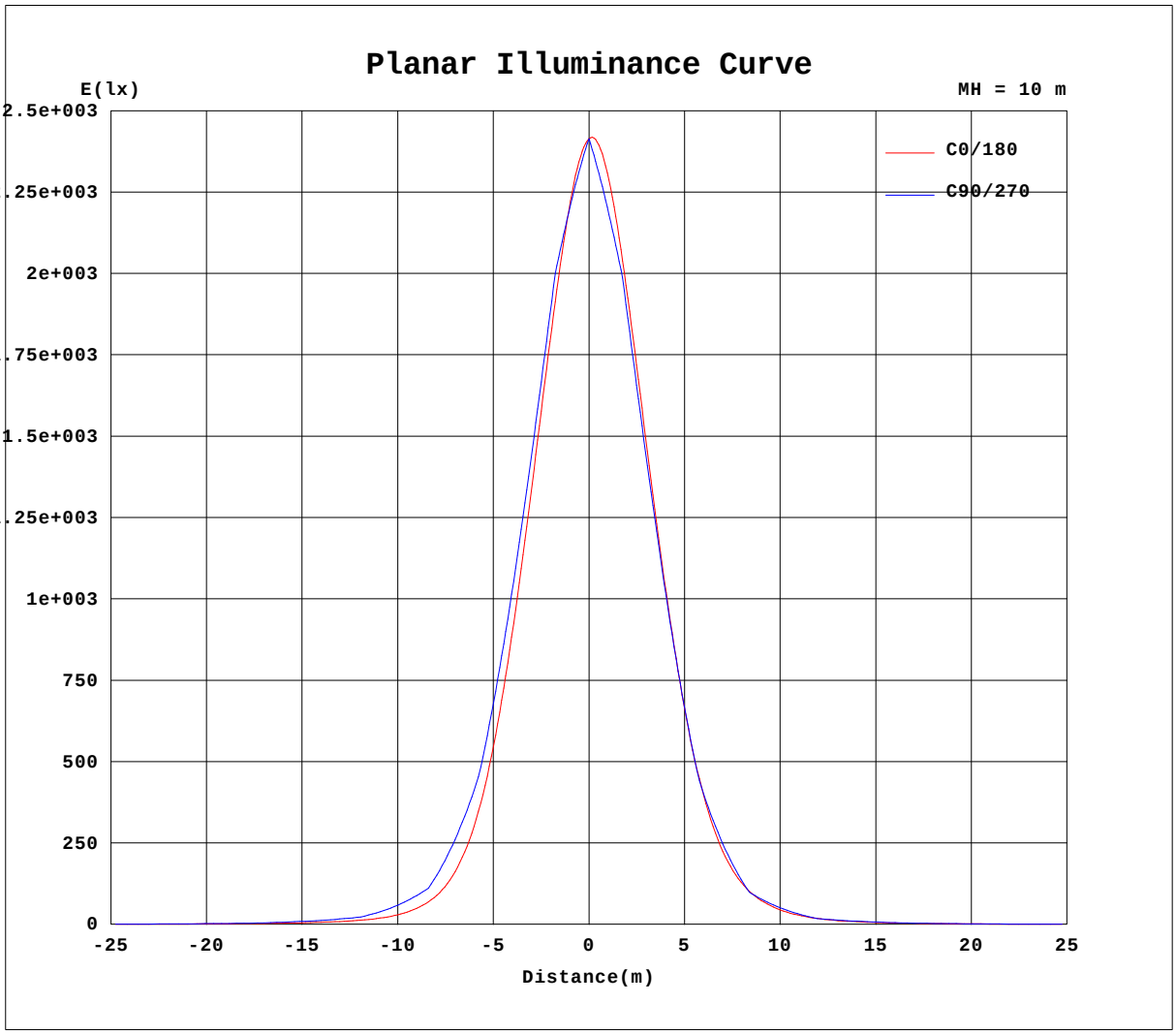
Test:U:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



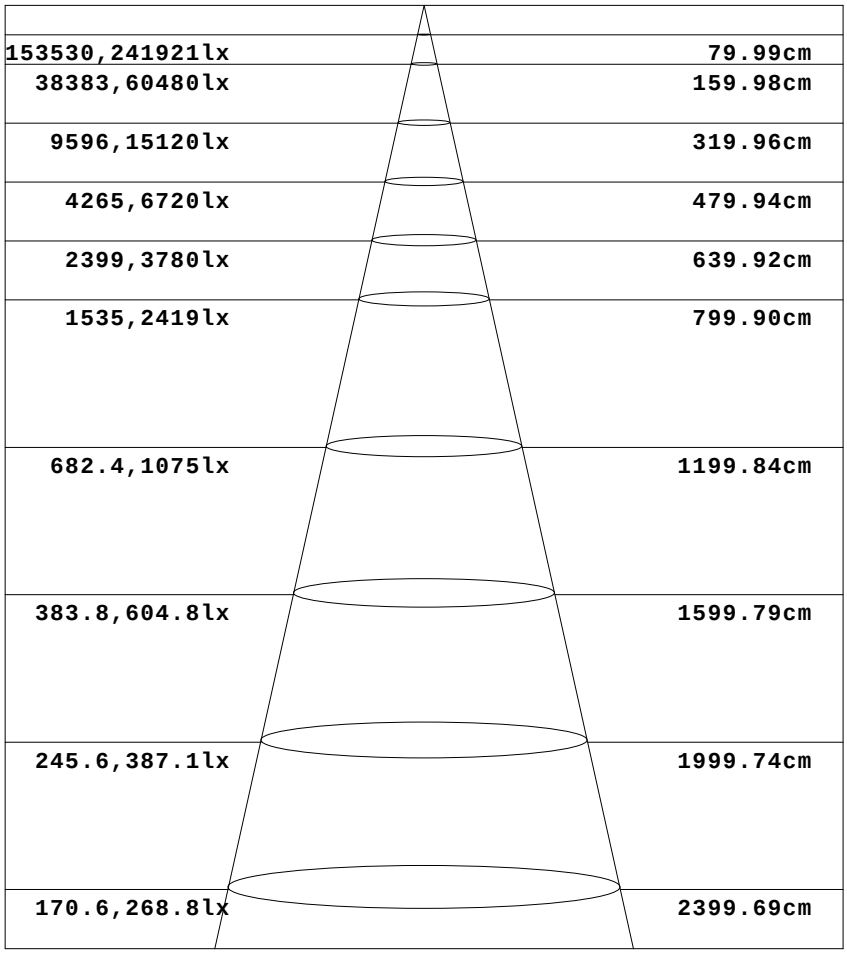
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 September 2020

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:

AAI Figure

Test:U:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:78734 lm



Height Eavg,Emax Angle:43.60deg 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:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	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	4.12	4.18	4.81	5.64	6.32	6.93	7.57	8.29	8.90	9.54	10.1	10.5	10.9	11.2	11.4	11.6	11.8	11.8	11.8
-75	3.98	4.28	4.74	5.85	7.11	8.14	9.26	10.4	11.5	12.5	13.5	14.4	15.1	15.7	16.3	16.7	17.1	17.4	17.4
-70	4.27	4.68	5.95	7.64	9.14	10.7	12.2	13.8	15.3	16.7	18.0	19.1	20.1	21.0	21.7	22.3	22.8	23.0	22.9
-65	4.01	4.49	5.44	7.35	9.45	11.3	13.3	15.3	17.2	19.2	21.2	23.1	25.0	26.7	28.3	29.7	30.7	31.5	31.6
-60	4.33	5.07	7.06	9.69	12.0	14.3	16.8	19.1	21.5	24.0	26.7	29.4	31.9	34.3	36.6	38.4	39.7	40.3	40.2
-55	3.90	4.46	5.96	8.76	11.6	14.2	16.9	19.7	22.7	26.1	29.9	34.2	39.3	44.6	50.6	56.2	60.7	63.7	64.6
-50	4.10	5.19	7.98	11.3	14.2	17.2	20.4	23.9	27.9	32.5	38.1	45.0	53.0	62.0	71.5	79.7	85.8	88.8	87.9
-45	3.55	4.14	6.31	9.93	13.2	16.3	19.7	23.5	28.1	34.1	42.5	54.4	70.3	89.6	111	133	152	165	170
-40	3.58	5.16	8.92	12.5	15.9	19.4	23.5	28.4	35.1	45.1	60.3	82.0	110	143	178	211	236	250	248
-35	3.00	3.69	6.64	10.7	14.3	17.9	22.0	27.1	34.3	45.9	65.2	95.5	139	196	265	340	409	457	476
-30	2.94	5.14	9.36	13.3	17.0	21.2	26.2	33.7	46.0	67.6	104	158	232	329	441	555	645	695	696
-25	2.37	3.26	6.95	11.2	15.2	19.3	24.1	30.7	42.2	63.9	102	165	262	399	565	742	902	1012	1059
-20	2.42	5.35	9.72	14.0	18.1	23.0	29.2	39.9	61.1	101	169	279	446	666	902	1131	1305	1403	1410
-15	1.85	3.02	7.01	11.6	15.8	20.4	25.9	34.3	50.7	84.1	144	248	418	658	942	1232	1491	1676	1756
-10	2.00	5.33	9.77	14.3	18.8	24.2	31.6	45.4	74.8	131	229	402	663	986	1332	1656	1921	2073	2084
-5	1.52	3.03	6.86	11.7	16.0	20.9	26.9	36.3	56.1	97.6	172	307	532	841	1202	1564	1893	2141	2256
0	1.79	5.10	9.73	14.3	19.0	24.5	32.1	47.3	80.8	144	257	458	755	1124	1509	1881	2190	2386	2402
5	1.24	3.00	6.61	11.4	15.8	20.6	26.5	35.7	55.0	96.0	170	303	528	837	1198	1557	1885	2133	2249
10	1.85	4.85	9.27	13.7	18.2	23.4	30.5	43.5	71.9	127	223	395	654	979	1319	1641	1904	2058	2071
15	1.10	2.84	6.24	10.8	14.9	19.4	24.7	32.4	47.4	79.4	138	238	406	647	930	1221	1477	1661	1745
20	1.87	4.57	8.66	12.8	16.9	21.5	27.2	36.4	55.7	94.4	159	265	434	652	892	1122	1293	1393	1404
25	1.23	2.72	5.79	9.87	13.6	17.6	22.1	27.8	37.4	56.8	93.0	152	246	381	547	728	886	996	1045
30	1.90	4.29	7.73	11.5	15.1	18.9	23.3	29.1	38.9	57.7	91.4	142	210	304	420	534	624	675	677
35	1.44	2.65	5.28	8.77	12.1	15.5	19.1	23.4	29.0	38.1	54.6	82.0	121	174	241	316	383	432	452
40	2.00	4.02	6.86	10.1	13.3	16.4	19.9	23.9	28.7	35.9	47.7	66.3	91.9	122	153	183	207	220	220
45	1.64	2.60	4.79	7.58	10.5	13.4	16.4	19.7	23.3	27.7	34.0	43.2	56.6	73.5	92.5	112	129	142	147
50	2.12	3.74	5.94	8.63	11.3	14.0	16.7	19.6	22.9	26.5	30.4	35.1	40.8	47.6	55.3	62.4	68.1	71.3	71.3
55	1.85	2.57	4.31	6.36	8.80	11.2	13.7	16.2	18.7	21.5	24.5	27.6	31.3	35.3	39.9	44.5	48.4	51.2	52.3
60	2.26	3.37	5.04	7.02	9.19	11.4	13.6	15.8	17.9	20.1	22.2	24.5	26.5	28.4	30.1	31.4	32.5	32.9	32.7
65	2.08	2.58	3.79	5.24	6.94	8.72	10.6	12.4	14.3	16.1	17.8	19.4	21.0	22.5	23.8	24.9	25.7	26.4	26.5
70	2.42	2.99	4.27	5.41	6.83	8.37	9.79	11.3	12.8	14.1	15.3	16.4	17.4	18.2	18.8	19.4	19.9	20.1	20.0
75	2.33	2.62	3.20	4.16	5.10	6.11	7.21	8.30	9.45	10.5	11.4	12.1	12.9	13.5	14.1	14.5	14.9	15.1	15.2
80	2.58	2.74	3.31	4.01	4.59	5.21	5.90	6.66	7.36	7.88	8.39	8.86	9.23	9.55	9.80	10.0	10.2	10.3	10.3
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:230.7V I:4.457A P:1007W PF:0.9796 Freq:50.00Hz Lamp Flux:158795x1 lm		
NAME: ITSP21000454000	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	11.6	11.4	11.1	10.8	10.4	10.0	9.61	9.07	8.40	7.82	7.17	6.58	6.01	5.47	4.83	4.26	4.07	4.07
-75	17.3	17.0	16.6	16.1	15.5	14.9	14.1	13.3	12.4	11.4	10.4	9.37	8.29	7.28	6.36	5.33	4.52	4.33
-70	22.7	22.1	21.5	20.7	19.9	18.9	17.7	16.6	15.3	13.9	12.4	10.9	9.35	7.98	6.64	5.34	4.63	4.37
-65	31.5	30.8	29.7	28.4	26.9	25.2	23.5	21.7	19.9	18.0	16.2	14.3	12.4	10.5	8.70	6.87	5.37	4.77
-60	39.6	38.2	36.5	34.3	31.9	29.6	27.1	24.6	22.3	20.0	17.8	15.4	13.2	10.8	8.59	6.47	5.19	4.72
-55	63.3	60.0	55.3	50.1	44.8	40.0	35.6	31.6	28.1	24.8	21.9	19.1	16.4	13.7	11.1	8.47	6.15	5.08
-50	83.5	76.3	68.0	59.4	51.7	45.0	39.2	34.2	29.8	26.0	22.6	19.4	16.4	13.5	10.5	7.44	5.50	4.88
-45	165	152	133	111	89.3	70.1	55.0	44.6	37.2	31.5	26.9	23.0	19.6	16.3	13.1	9.80	6.68	5.10
-40	232	205	172	136	103	75.9	57.5	45.6	37.3	31.3	26.5	22.4	18.8	15.3	11.7	8.25	5.47	4.68
-35	463	420	354	276	202	142	97.2	67.2	49.0	38.3	31.4	26.2	21.9	18.1	14.5	10.7	7.07	4.84
-30	649	559	443	323	225	151	97.7	64.6	46.6	36.4	29.8	24.7	20.4	16.6	12.7	8.73	5.30	4.28
-25	1034	941	793	610	432	281	173	106	66.4	45.9	35.1	28.6	23.6	19.3	15.4	11.2	7.30	4.45
-20	1323	1157	926	677	449	270	160	94.1	58.5	41.0	32.1	26.3	21.5	17.3	13.2	8.78	5.19	3.77
-15	1716	1565	1328	1040	742	475	275	155	88.4	54.3	38.4	30.3	24.8	20.1	15.9	11.6	7.28	4.12
-10	1951	1705	1390	1044	701	419	230	126	72.0	45.7	34.0	27.5	22.4	17.8	13.7	8.85	5.26	3.38
-5	2200	1994	1692	1338	967	621	355	190	104	60.3	40.2	31.0	25.3	20.4	16.1	11.7	7.10	3.94
0	2231	1937	1577	1188	803	479	259	138	76.5	46.9	33.9	27.4	22.3	17.7	13.5	8.61	5.03	2.91
5	2194	1990	1689	1333	963	619	353	188	103	59.2	39.2	30.2	24.7	19.9	15.6	11.2	6.71	3.74
10	1941	1699	1381	1035	696	414	226	123	69.7	43.6	32.2	26.1	21.2	16.9	12.8	8.07	4.58	2.68
15	1708	1557	1323	1035	738	471	271	150	84.7	51.1	35.4	28.0	22.9	18.5	14.5	10.3	6.08	3.32
20	1317	1151	926	678	446	267	153	89.2	54.0	36.8	28.6	23.5	19.2	15.3	11.4	7.10	4.01	2.42
25	1023	930	783	603	424	272	165	98.6	60.3	40.1	30.2	24.6	20.3	16.4	12.8	8.89	5.23	2.80
30	632	543	429	311	210	137	88.5	56.7	39.0	30.0	24.6	20.3	16.6	13.2	9.73	5.95	3.33	2.00
35	441	399	333	258	186	128	86.0	57.9	40.3	30.7	25.1	20.9	17.3	14.0	10.8	7.34	4.36	2.31
40	206	180	148	117	88.1	64.4	46.8	35.6	28.8	24.2	20.4	17.0	14.0	11.0	7.86	4.87	2.71	1.71
45	143	131	113	93.6	74.6	58.0	44.6	35.1	28.6	24.1	20.6	17.4	14.4	11.6	8.86	5.90	3.62	1.98
50	68.1	62.3	55.0	47.4	40.4	34.8	30.1	26.2	22.8	19.6	16.8	14.1	11.5	8.96	6.25	4.02	2.33	1.62
55	51.5	49.0	45.0	40.5	35.7	31.5	27.9	24.6	21.7	19.0	16.5	14.1	11.7	9.32	7.00	4.78	3.12	1.91
60	32.3	31.1	29.7	27.9	25.9	23.9	21.7	19.4	17.3	15.3	13.3	11.1	9.00	6.87	4.95	3.44	2.16	1.77
65	26.3	25.7	24.7	23.6	22.2	20.7	19.2	17.5	15.8	14.0	12.3	10.6	8.75	6.99	5.32	3.94	2.78	2.04
70	19.7	19.2	18.5	17.7	16.8	15.8	14.7	13.5	12.2	10.8	9.33	7.89	6.33	5.04	3.95	3.04	2.23	2.07
75	15.1	14.8	14.3	13.8	13.2	12.5	11.8	11.0	10.0	9.01	7.97	6.90	5.86	4.85	3.99	3.24	2.55	2.27
80	10.1	9.84	9.52	9.18	8.80	8.35	7.91	7.32	6.67	5.98	5.34	4.68	4.12	3.61	3.13	2.58	2.41	2.37
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: