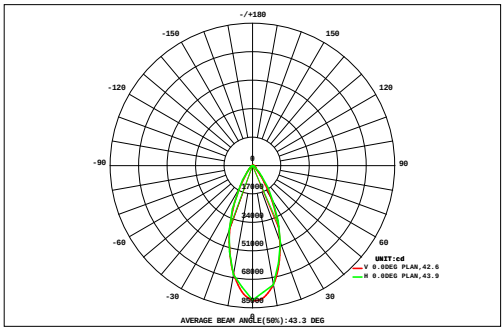
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1595.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	77.7V x 73.9H
	At 50% of Imax	43.9V x 42.6H
	At 90% of Imax	15.2V x 16.3H
Beam Flux	Total	997.2 lumens per klm.
	To 10% of Imax	859.5 lumens per klm.
	To 50% of Imax	497.4 lumens per klm.
	To 90% of Imax	78.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:166.16lm/W	
MODEL		Imax(cd)	80647
NOMINAL POWER(W)	300	AVAILABILITY(%)	86.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	43750
NOMINAL FLUX(lm)	50558.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	50558
TEST VOLTAGE(V)	220	q @50%(H,V)	43,44DEG

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	0.03	0.18	0.47	0.91	1.61	3.17	8.91	20.4	33.8	35.2	22.5	10.6	3.86	1.69	0.94	0.48	0.19	0.03	145	0.00
80	0.33	1.41	3.06	5.33	7.78	10.3	12.3	13.7	14.9	15.0	13.9	12.6	10.7	8.00	5.53	3.24	1.47	0.35	140	0.00
70	0.31	1.57	4.03	7.34	11.0	14.7	18.5	21.6	23.9	24.0	22.0	18.9	15.2	11.3	7.63	4.23	1.69	0.33	208	0.00
60	0.36	1.99	5.18	9.33	14.5	21.0	28.9	37.1	42.4	43.0	38.6	30.8	22.3	15.2	9.60	5.40	2.15	0.38	328	0.00
50	0.39	2.40	6.04	11.3	19.2	31.8	50.7	73.4	91.6	95.0	80.5	56.7	35.5	20.9	11.9	6.34	2.60	0.44	597	0.00
40	0.43	2.73	6.90	13.7	26.5	52.1	102	182	264	281	216	126	63.0	30.2	15.1	7.50	3.06	0.52	1392	601
30	0.46	3.04	7.87	16.8	37.8	90.8	235	506	759	792	587	305	119	44.9	19.1	8.85	3.56	0.61	3537	3056
-30	0.50	3.33	8.83	20.6	52.3	158	493	1061	1523	1567	1163	595	208	63.6	23.4	10.2	4.04	0.70	6955	6581
-40	0.53	3.55	9.57	23.5	65.5	231	742	1509	2123	2173	1614	844	288	78.9	26.5	11.1	4.37	0.77	9748	9413
-50	0.54	3.64	9.84	24.6	71.0	260	812	1616	2259	2292	1683	885	300	81.5	27.2	11.4	4.51	0.80	10341	10015
-60	0.55	3.62	9.57	23.0	63.7	217	657	1300	1801	1813	1335	695	236	70.2	25.6	11.2	4.45	0.80	8267	7922
-70	0.55	3.49	8.98	20.2	49.8	143	395	785	1067	1067	779	392	145	52.6	22.5	10.5	4.29	0.79	4945	4549
-80	0.54	3.33	8.17	16.9	35.5	80.7	177	327	448	443	318	169	79.9	38.0	19.2	9.72	4.07	0.75	2179	1613
-90	0.53	3.08	7.40	14.2	25.6	45.9	79.0	117	140	135	108	73.3	45.3	27.6	16.1	8.73	3.76	0.70	851	0.00
	0.50	2.77	6.63	11.8	18.9	28.6	40.2	50.1	55.4	54.4	47.9	38.9	29.3	20.3	13.2	7.53	3.23	0.63	430	0.00
	0.47	2.31	5.50	9.57	14.2	19.2	24.0	28.0	30.1	30.0	27.7	24.0	19.6	14.8	10.2	6.03	2.54	0.54	269	0.00
	0.42	1.79	4.01	6.92	9.86	12.8	15.2	16.8	18.0	18.1	16.8	15.1	12.8	9.93	6.98	4.06	1.86	0.45	172	0.00
	0.21	0.78	1.48	2.31	3.34	4.24	4.82	5.15	5.43	5.34	4.96	4.52	3.86	2.83	1.95	1.21	0.63	0.17	53.2	0.00
F t	7.62	45.0	114	238	528	1425	3896	7670	10699	10882	8076	4297	1636	592	263	128	52.4	9.76	50558	---
F a	0.00	0.00	0.00	0.00	1.94	673	3289	7096	10142	10345	7595	3696	899	11.9	0.00	0.00	0.00	0.00	---	43750

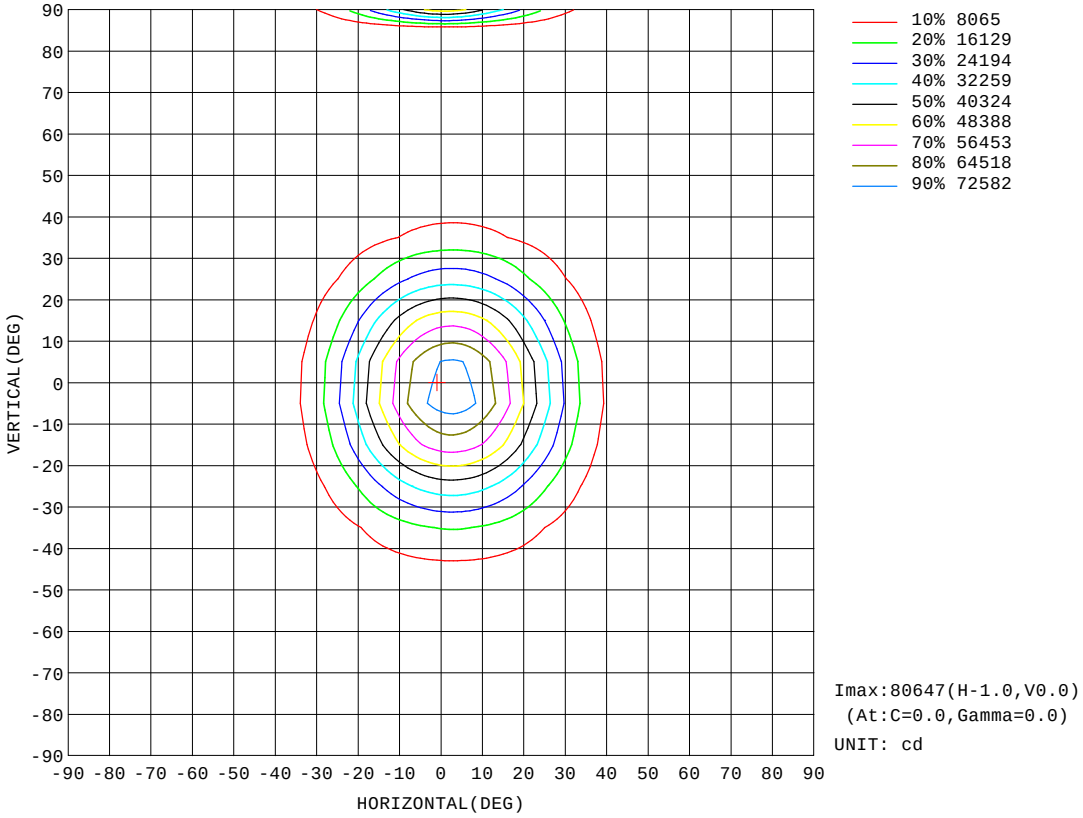
one-half-peak spread: U:23.7,D:20.5 , L:21.9,R:21.0 **NEMA Beam Type: Type 5**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

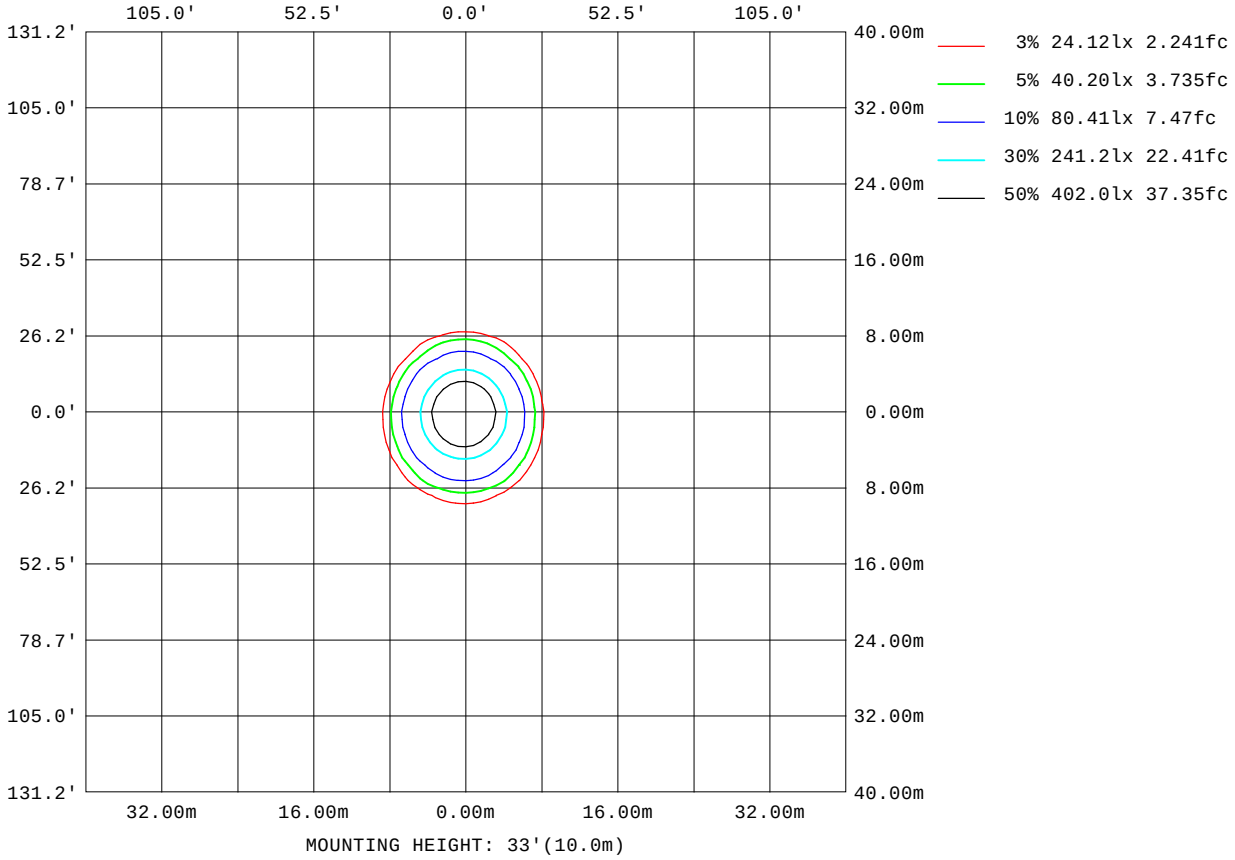


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

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

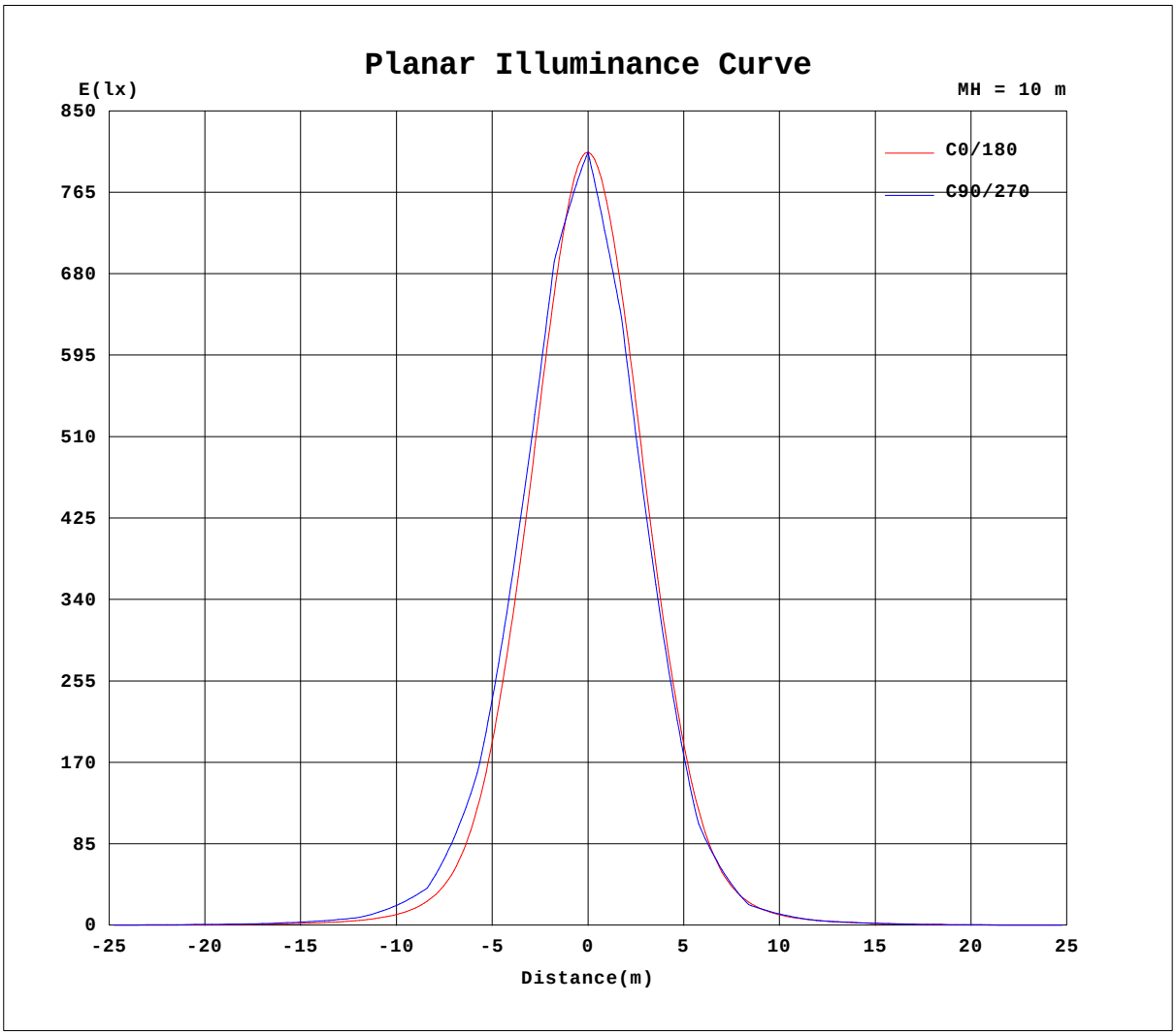
Test:U:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 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



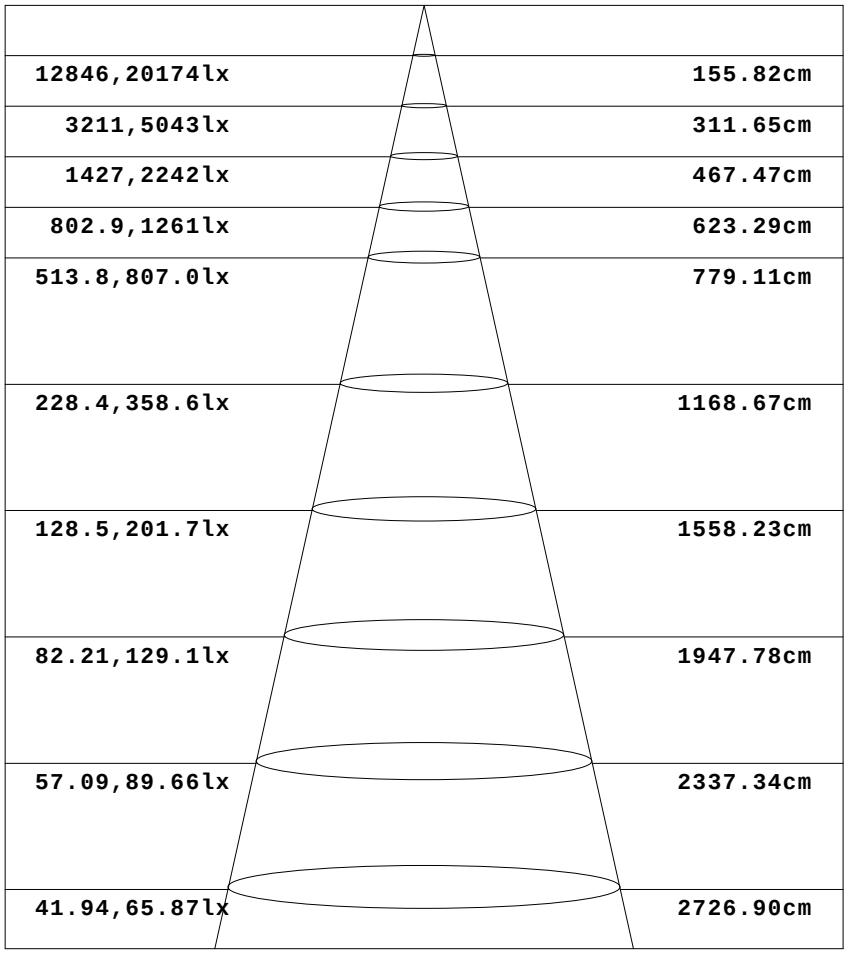
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

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:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:25047 lm



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:16 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:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×10cd

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	13.4	14.0	17.2	19.9	22.2	24.7	27.3	30.0	32.3	35.4	37.7	39.4	40.8	41.7	42.2	42.8	43.9	44.6	44.8
-75	12.2	13.8	15.7	20.3	24.1	28.1	32.7	37.1	40.3	43.7	47.1	50.1	52.7	55.0	57.0	58.6	60.0	61.9	63.1
-70	13.8	16.0	21.5	26.8	32.3	38.6	45.6	49.3	53.7	57.6	61.2	65.0	68.3	71.6	74.4	76.6	79.3	81.3	82.0
-65	12.1	14.2	18.0	25.3	31.8	39.6	45.6	51.8	57.3	63.4	69.0	75.1	81.5	87.9	94.5	101	106	110	113
-60	13.8	17.6	26.0	34.1	44.1	49.8	56.0	63.0	70.7	78.2	86.5	95.4	105	115	124	133	140	144	145
-55	11.6	13.9	19.7	29.9	39.8	47.9	54.9	62.9	71.8	82.1	94.0	108	125	145	166	187	206	221	230
-50	13.0	18.4	29.8	41.4	48.6	57.0	66.7	76.8	89.2	105	124	148	177	208	241	272	297	313	318
-45	10.6	13.0	21.1	33.6	44.8	52.3	62.3	73.7	87.4	106	131	164	208	267	340	420	496	555	589
-40	11.6	19.2	32.7	44.4	52.6	63.3	76.0	91.9	114	145	189	248	332	441	567	691	793	857	871
-35	8.79	11.8	22.5	36.8	47.2	57.2	69.3	84.6	106	138	186	260	375	542	770	1045	1309	1520	1643
-30	9.98	20.1	35.2	46.4	57.4	70.0	86.3	110	148	204	296	448	676	998	1411	1827	2175	2397	2445
-25	6.88	10.6	23.6	39.1	49.8	61.8	76.5	96.8	129	180	264	414	672	1093	1666	2326	2930	3384	3645
-20	8.62	21.2	36.7	48.6	61.1	76.5	97.8	132	189	283	458	771	1314	2084	2976	3813	4439	4826	4904
-15	5.54	9.93	23.9	40.0	52.0	65.2	82.3	108	151	221	349	593	1054	1817	2815	3855	4835	5597	6024
-10	7.65	20.9	37.6	50.3	63.7	80.3	106	149	219	351	603	1108	1967	3125	4324	5486	6497	7114	7228
-5	4.76	10.1	23.6	40.0	52.7	66.8	85.2	114	164	245	400	710	1320	2301	3539	4802	6039	7015	7578
0	7.84	20.4	37.0	50.0	63.7	81.4	108	155	229	370	655	1229	2189	3443	4775	6120	7200	7896	8041
5	3.73	10.4	22.8	39.0	51.6	65.5	83.5	112	160	237	382	673	1247	2178	3360	4607	5805	6736	7271
10	8.14	19.5	35.7	48.1	61.1	77.3	101	142	206	320	539	977	1742	2783	3939	5041	5952	6508	6609
15	3.13	10.1	21.6	37.1	48.6	61.3	77.3	101	140	201	306	504	884	1521	2384	3334	4240	4944	5327
20	8.13	18.5	32.9	44.3	56.0	70.1	89.2	119	167	240	368	598	1001	1612	2349	3096	3700	4051	4113
25	3.95	9.81	20.2	34.1	44.3	55.4	68.7	86.2	113	155	218	322	501	797	1222	1725	2233	2633	2850
30	8.16	17.2	29.1	40.1	50.1	61.7	75.2	94.3	124	166	225	316	451	644	894	1177	1432	1595	1630
35	5.00	9.64	18.5	30.0	39.7	49.0	60.0	72.3	89.0	114	147	195	263	360	489	648	818	962	1046
40	8.39	16.1	25.7	36.2	43.8	53.9	63.9	76.0	92.1	114	143	180	225	277	335	392	442	475	484
45	5.82	9.53	17.0	25.7	35.5	42.9	52.0	61.2	71.5	84.6	102	123	150	182	219	257	293	322	339
50	8.58	14.9	22.0	31.3	38.7	46.4	54.7	62.5	71.3	82.0	94.6	109	126	145	163	179	191	198	200
55	6.64	9.40	15.4	21.6	29.8	37.4	43.9	50.7	57.8	65.0	73.3	82.7	93.2	105	118	129	139	146	150
60	8.80	13.2	18.6	24.9	33.2	38.7	44.0	50.3	55.6	61.0	66.8	72.9	79.1	85.0	90.7	95.7	99.4	101	102
65	7.46	9.30	13.2	17.8	22.9	29.5	34.4	39.9	44.7	49.1	53.5	58.0	62.2	66.5	70.5	74.0	77.2	80.0	81.3
70	9.01	10.9	15.4	18.8	23.3	28.1	34.0	37.3	40.8	44.2	47.4	49.7	52.2	54.5	56.0	57.5	59.6	61.1	61.3
75	8.30	9.22	10.7	14.3	17.0	20.1	23.3	26.9	29.5	32.0	34.6	37.3	38.8	40.4	41.8	42.6	43.8	45.3	46.1
80	9.23	9.27	12.0	14.0	15.5	17.2	18.9	20.7	22.3	23.9	26.3	27.3	28.0	28.7	28.9	29.4	30.4	30.8	30.8
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:16 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:221.2V I:1.441A P:304.3W PF:0.9547 Freq:49.99Hz Lamp Flux:50558.4x1 lm		
NAME: ITSP2300454000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×10cd

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	44.8	43.8	42.8	42.1	41.1	40.0	38.6	36.6	33.3	31.0	28.6	26.1	23.7	21.4	19.2	15.9	14.5	14.4
-75	63.4	62.8	61.1	59.4	57.9	55.9	53.8	51.2	48.0	44.4	41.2	38.0	33.5	29.3	25.4	21.6	17.1	15.3
-70	81.3	79.2	76.7	74.4	71.5	68.4	64.8	60.9	56.8	52.8	48.6	43.0	36.5	30.8	25.9	19.9	16.3	15.1
-65	114	112	108	103	97.8	91.7	85.5	79.2	73.0	66.9	61.1	55.3	48.9	42.5	34.7	28.0	20.5	16.8
-60	144	139	132	124	114	105	96.0	87.6	79.4	71.8	64.2	57.5	51.3	41.2	32.8	23.8	17.9	15.9
-55	231	225	211	194	174	153	134	117	103	90.3	79.8	70.3	61.7	53.4	44.1	34.3	23.8	17.7
-50	309	290	263	232	201	171	145	123	106	91.7	79.9	69.5	59.0	50.9	39.4	27.7	18.9	15.9
-45	592	564	509	437	359	284	223	178	144	118	98.7	84.2	71.9	60.6	51.3	39.7	26.6	17.9
-40	834	753	641	517	396	298	227	176	140	113	93.7	79.2	66.4	55.8	44.5	30.9	19.0	14.7
-35	1649	1541	1340	1082	810	579	404	281	202	153	119	96.6	80.2	66.7	55.4	43.4	29.0	17.4
-30	2309	2019	1631	1209	845	572	377	254	183	137	107	87.1	72.2	59.0	48.0	33.2	18.7	13.0
-25	3655	3407	2949	2353	1710	1146	712	441	282	192	140	108	86.7	71.4	58.2	45.9	30.5	16.6
-20	4642	4090	3327	2462	1654	999	593	359	229	161	119	93.4	76.3	62.4	49.8	34.0	18.7	11.6
-15	6032	5620	4860	3882	2859	1879	1105	627	368	230	159	117	91.6	74.6	60.4	47.3	30.9	16.4
-10	6821	5982	4841	3665	2473	1475	808	457	272	179	128	98.3	78.9	63.9	50.1	34.3	19.7	10.7
-5	7588	7030	6051	4823	3576	2347	1366	741	418	251	168	121	93.3	75.4	61.0	47.5	30.6	16.6
0	7539	6565	5309	3989	2687	1596	862	477	280	181	129	97.5	78.2	63.7	49.8	33.6	19.2	8.48
5	7280	6743	5809	4629	3392	2210	1285	701	398	240	162	117	90.3	73.1	59.2	45.9	29.2	16.1
10	6237	5475	4442	3291	2176	1293	719	410	248	166	120	91.9	74.0	60.0	46.9	31.5	17.7	7.73
15	5331	4956	4266	3370	2420	1557	920	532	318	203	142	106	82.9	67.6	54.6	42.3	26.4	14.4
20	3880	3376	2675	1925	1252	761	466	292	193	138	103	81.4	66.6	54.3	42.8	27.7	15.4	7.61
25	2855	2647	2257	1755	1253	826	524	337	223	157	116	89.5	72.2	59.6	48.2	37.3	22.9	12.3
30	1530	1318	1042	774	552	387	268	191	142	107	84.6	69.2	57.3	46.7	37.2	23.6	13.0	6.28
35	1051	977	840	671	510	377	275	201	150	115	90.6	73.8	61.3	50.9	41.7	31.4	19.3	10.3
40	465	424	369	307	249	200	159	126	101	82.2	68.9	58.2	48.6	40.2	30.7	19.5	11.0	5.69
45	341	326	299	262	223	185	152	125	102	84.7	71.2	60.9	51.9	43.3	36.1	26.0	16.4	8.97
50	195	186	172	154	135	117	101	86.9	75.2	65.1	56.7	49.1	41.3	35.1	25.3	16.6	9.63	5.72
55	150	147	140	130	118	106	93.6	82.7	73.1	64.6	56.9	50.0	43.6	37.1	29.5	21.1	14.3	8.36
60	100	97.0	92.4	86.9	81.1	75.1	68.9	62.9	57.2	51.7	45.9	40.7	36.0	27.3	20.0	14.4	8.88	6.47
65	81.3	79.7	76.8	73.7	70.1	66.1	62.0	57.7	53.2	48.8	44.4	39.8	34.3	29.1	22.4	17.0	12.3	8.36
70	60.1	58.0	56.2	54.8	52.8	50.5	48.2	45.2	42.1	38.8	35.6	30.0	24.9	19.9	15.9	12.3	8.68	7.73
75	46.0	45.0	43.5	42.6	41.8	40.5	39.1	37.2	34.4	31.8	29.3	26.8	22.9	19.5	16.2	13.6	10.3	8.65
80	30.5	29.7	29.3	29.1	28.8	28.3	27.1	24.7	22.5	20.9	19.1	17.2	15.5	13.8	12.3	9.73	8.77	8.69
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:16 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: