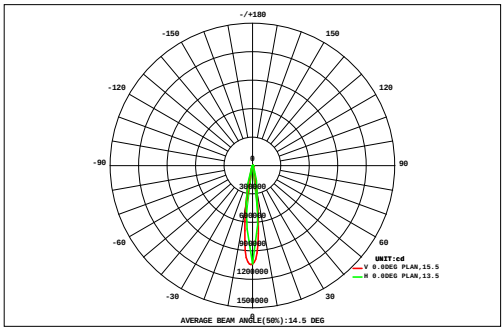
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		8706.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.4V x 29.6H
	At 50% of Imax	13.5V x 15.5H
	At 90% of Imax	4.2V x 7.3H
Beam Flux	Total	994.8 lumens per klm.
	To 10% of Imax	712.5 lumens per klm.
	To 50% of Imax	312.9 lumens per klm.
	To 90% of Imax	36.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:119.85lm/W	
MODEL		Imax(cd)	1042133
NOMINAL POWER(W)	1000	AVAILABILITY(%)	73.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	88331
NOMINAL FLUX(lm)	119692	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	119692
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	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	0.34	1.13	2.42	4.51	7.87	11.9	16.0	19.9	23.3	24.5	22.5	19.4	15.5	11.4	7.45	4.16	1.85	0.45	195	0.00
70	0.24	1.18	3.76	8.87	16.6	26.0	36.7	47.3	55.1	57.0	51.4	42.4	31.7	21.5	12.8	6.30	2.28	0.41	422	0.00
60	0.28	1.79	6.34	15.3	29.0	46.3	67.5	89.6	106	108	95.0	74.5	53.7	35.4	20.3	9.44	3.11	0.46	762	0.00
50	0.35	2.59	9.44	23.2	44.7	71.8	102	132	164	174	143	106	78.5	52.4	29.4	13.0	4.06	0.53	1151	0.00
40	0.33	3.18	12.3	31.7	61.5	97.5	130	165	231	275	199	135	99.0	68.3	39.1	16.9	5.19	0.66	1570	0.00
30	0.31	3.68	14.9	39.2	77.4	118	162	276	562	692	403	188	117	82.6	49.4	21.6	6.74	0.91	2814	0.00
-30	0.35	4.32	17.5	45.6	92.5	140	242	751	3112	4901	1573	328	147	97.3	59.9	25.9	8.32	1.17	11546	7110
-40	0.41	4.79	18.9	50.0	104	176	406	1864	11626	18122	4386	543	181	111	66.8	28.2	9.15	1.28	37701	33853
-50	0.45	5.00	19.3	51.2	109	191	457	2415	15938	21318	4638	545	185	113	67.3	28.5	9.29	1.30	46091	42434
-60	0.46	4.77	18.3	47.4	97.5	151	258	1057	2980	3099	1222	325	156	106	62.3	26.9	8.85	1.30	9622	4934
-70	0.51	4.42	16.2	40.6	80.4	133	195	336	602	677	389	223	148	99.9	55.0	24.7	8.30	1.33	3034	0.00
-80	0.66	4.20	13.8	33.3	65.1	114	175	246	287	268	240	194	139	89.0	48.9	22.3	7.85	1.39	1950	0.00
-90	0.81	4.03	11.7	26.6	50.5	83.5	125	159	167	162	158	135	99.9	65.2	38.3	18.6	6.96	1.38	1314	0.00
	0.80	3.45	8.93	18.5	32.8	51.0	70.2	87.5	98.7	101	93.3	77.8	59.2	40.9	25.2	13.1	5.26	1.16	788	0.00
	0.83	3.08	6.76	12.5	20.2	29.0	38.1	46.8	52.7	54.4	50.5	43.3	34.0	25.0	16.2	9.08	4.13	1.04	448	0.00
	0.81	2.72	5.01	7.84	11.2	14.9	18.3	21.5	24.7	25.4	23.3	20.9	17.8	14.1	10.1	6.46	3.38	0.97	229	0.00
	0.36	1.13	1.86	2.52	3.11	3.67	4.11	4.49	4.79	4.83	4.68	4.43	4.07	3.51	2.86	2.10	1.27	0.39	54.2	0.00
F t	8.29	55.4	187	459	904	1459	2502	7718	36036	50065	13691	3005	1565	1036	611	277	96.0	16.1	119692	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2314	31675	46171	8171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	88331

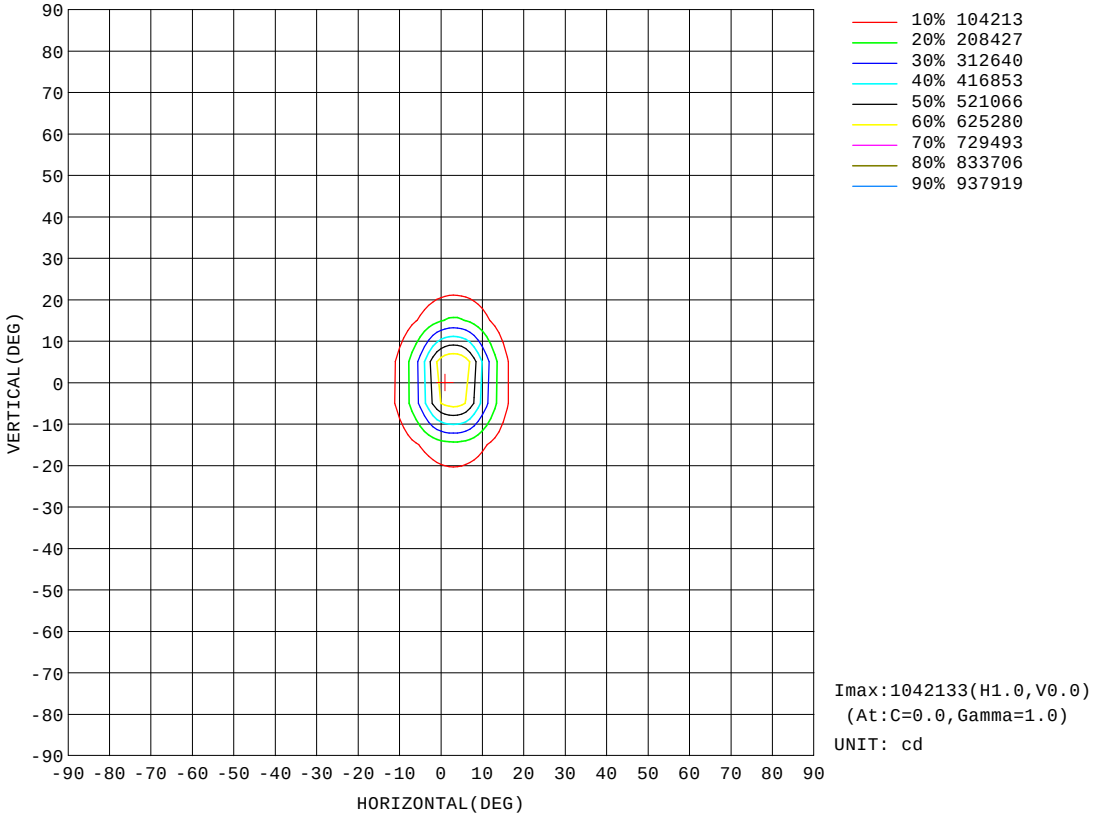
one-half-peak spread: U:6.3,D:7.4 , L:7.8,R:7.8 **NEMA Beam Type: Type 3**

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:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

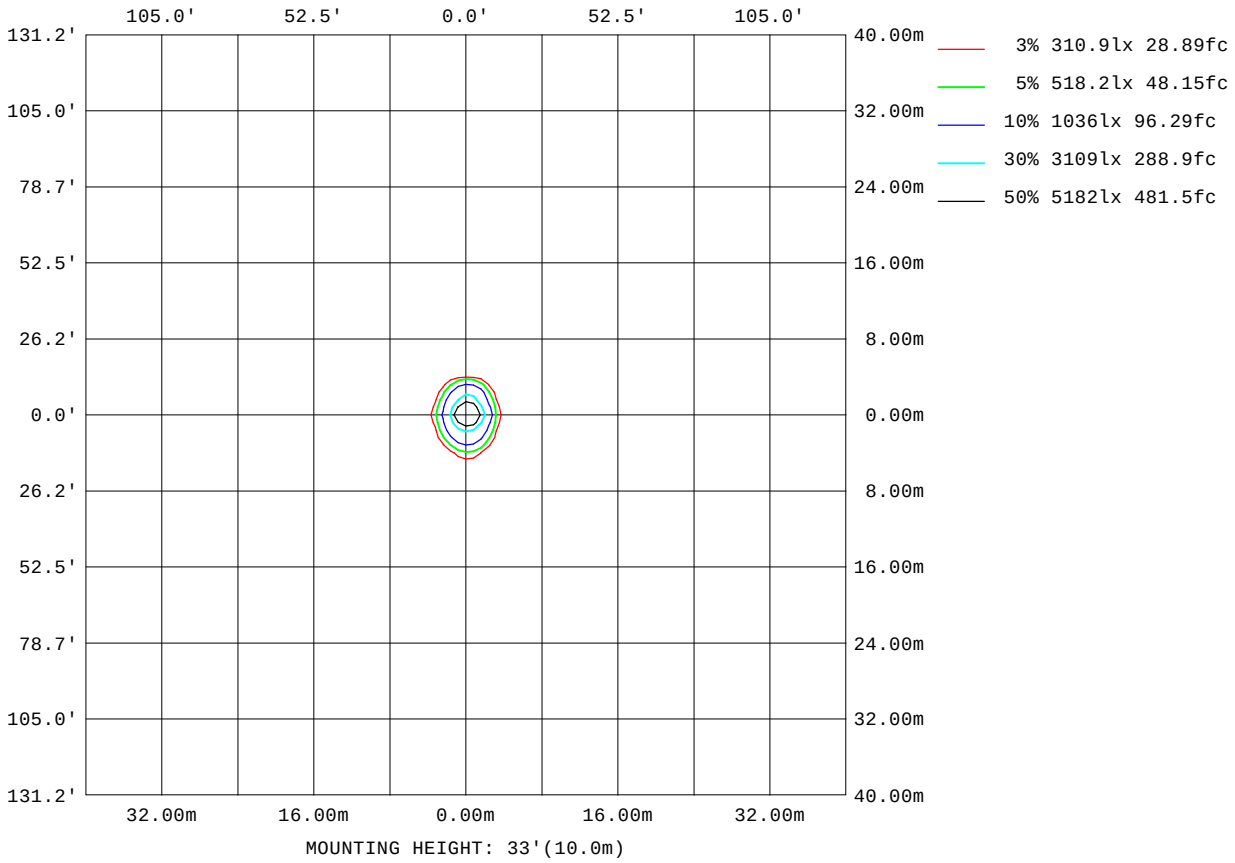


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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

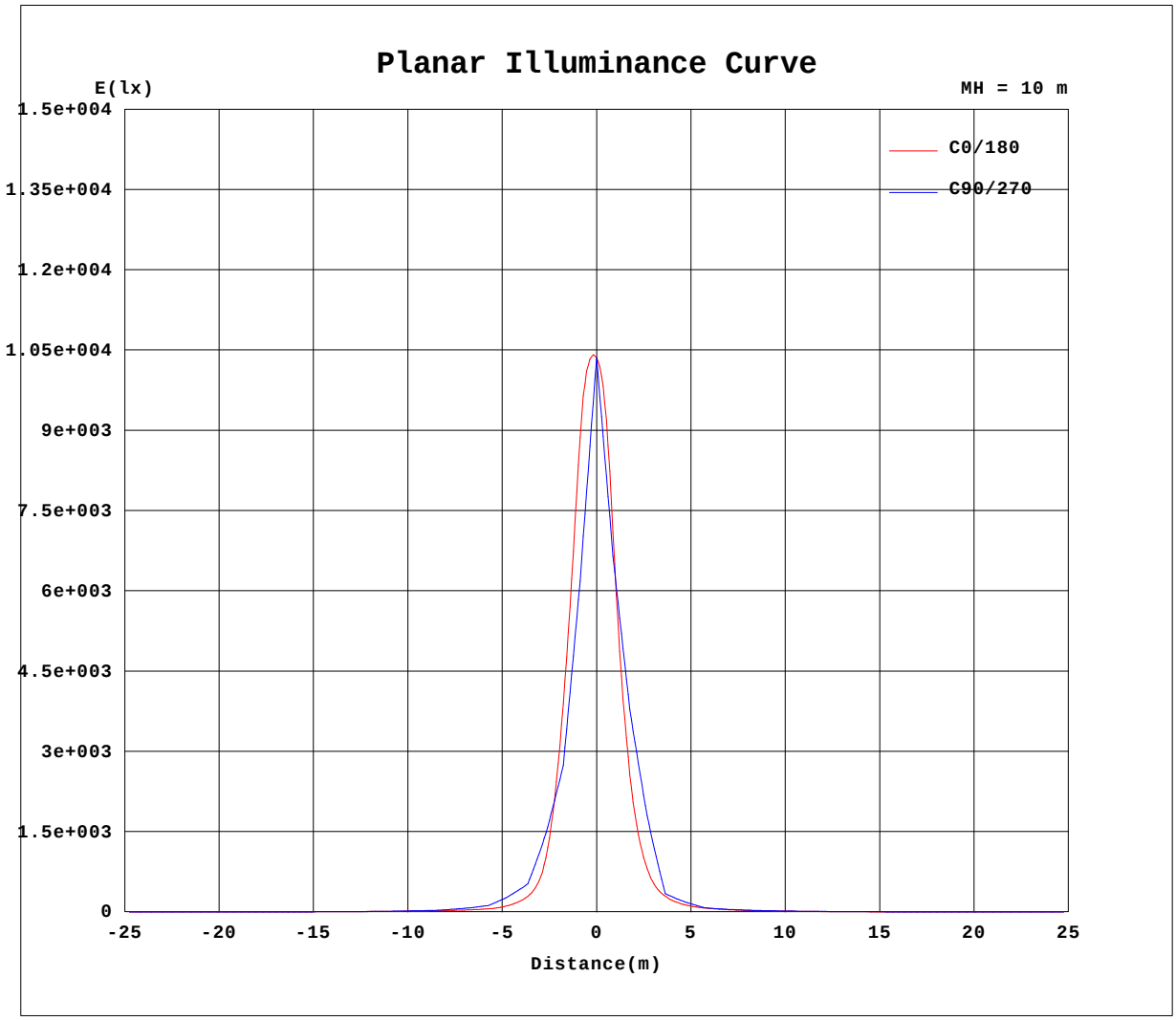
Test:U:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



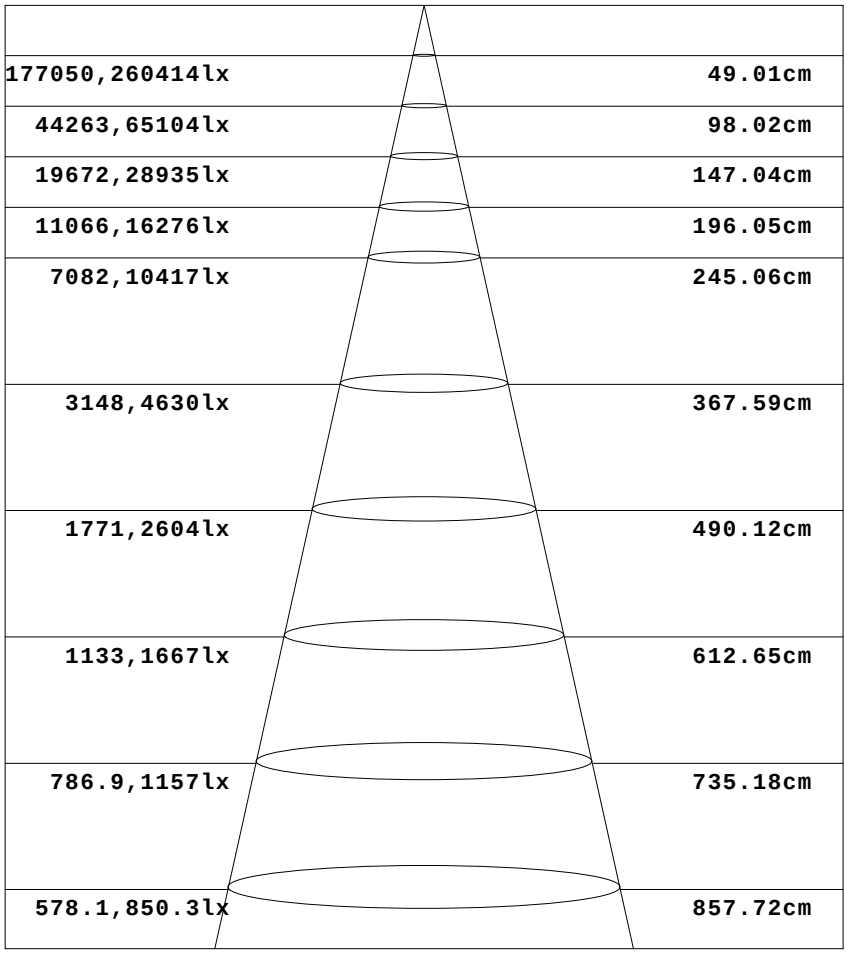
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:17 February 2023

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:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:33542 lm



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:17 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1 UNIT: ×1000cd

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	0.24	0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.37	0.38	0.40	0.42	0.43	0.45	0.46	0.48	0.50	0.50
-75	0.26	0.28	0.31	0.33	0.35	0.38	0.41	0.44	0.48	0.52	0.57	0.61	0.65	0.70	0.73	0.77	0.81	0.86	0.90
-70	0.29	0.32	0.34	0.37	0.41	0.46	0.51	0.58	0.64	0.71	0.79	0.86	0.93	1.00	1.05	1.12	1.18	1.25	1.32
-65	0.28	0.29	0.33	0.37	0.43	0.50	0.59	0.69	0.80	0.92	1.05	1.17	1.29	1.41	1.53	1.64	1.75	1.82	1.89
-60	0.27	0.30	0.34	0.41	0.50	0.61	0.74	0.89	1.05	1.23	1.41	1.57	1.74	1.93	2.10	2.25	2.38	2.44	2.50
-55	0.26	0.28	0.32	0.40	0.51	0.64	0.81	1.01	1.22	1.47	1.73	2.00	2.28	2.56	2.82	3.05	3.27	3.40	3.49
-50	0.26	0.28	0.36	0.47	0.62	0.81	1.03	1.29	1.59	1.91	2.27	2.65	3.06	3.39	3.74	4.03	4.28	4.43	4.51
-45	0.26	0.26	0.32	0.44	0.61	0.82	1.08	1.39	1.78	2.19	2.64	3.15	3.72	4.28	4.83	5.33	5.73	6.02	6.20
-40	0.25	0.27	0.38	0.54	0.76	1.03	1.37	1.79	2.29	2.81	3.40	4.10	4.85	5.62	6.34	6.97	7.43	7.78	7.95
-35	0.21	0.21	0.29	0.46	0.68	0.97	1.32	1.76	2.31	2.87	3.54	4.33	5.18	6.03	6.91	8.15	9.63	11.5	12.9
-30	0.16	0.18	0.33	0.54	0.83	1.18	1.61	2.16	2.76	3.44	4.27	5.25	6.18	7.11	8.39	10.4	13.2	16.5	18.5
-25	0.13	0.14	0.25	0.47	0.75	1.12	1.56	2.12	2.79	3.52	4.36	5.22	5.95	6.92	8.49	11.7	18.3	28.8	39.4
-20	0.10	0.14	0.32	0.59	0.95	1.39	1.93	2.63	3.37	4.24	5.19	5.75	6.46	7.69	10.6	17.2	30.9	50.6	63.9
-15	0.09	0.10	0.23	0.49	0.83	1.26	1.79	2.46	3.28	4.27	5.19	5.87	6.73	8.42	12.5	24.4	56.8	108	163
-10	0.09	0.14	0.33	0.64	1.03	1.53	2.13	2.96	3.89	5.10	5.79	6.56	8.07	11.3	20.6	51.9	120	213	287
-5	0.09	0.10	0.23	0.50	0.88	1.33	1.89	2.65	3.59	4.77	5.75	6.69	8.66	12.4	21.3	46.9	131	336	626
0	0.09	0.13	0.32	0.64	1.07	1.55	2.17	3.09	4.13	5.36	6.32	8.13	11.6	18.5	36.1	89.9	269	717	1036
5	0.08	0.09	0.22	0.48	0.87	1.31	1.86	2.61	3.55	4.67	5.59	6.62	8.75	12.7	22.3	47.0	130	349	672
10	0.08	0.11	0.29	0.60	1.01	1.47	2.07	2.90	3.80	4.83	5.52	6.55	8.47	12.3	23.0	48.8	123	264	397
15	0.07	0.07	0.19	0.44	0.79	1.21	1.73	2.40	3.22	4.12	4.93	5.47	6.54	8.39	12.9	23.7	53.4	116	200
20	0.07	0.10	0.26	0.54	0.88	1.33	1.87	2.56	3.32	4.12	4.83	5.08	6.04	6.97	9.33	15.6	25.2	35.6	41.7
25	0.07	0.07	0.17	0.38	0.67	1.04	1.51	2.07	2.77	3.44	4.17	4.63	5.05	5.69	6.96	9.33	14.3	20.5	26.0
30	0.07	0.09	0.23	0.45	0.74	1.10	1.55	2.14	2.75	3.34	4.01	4.45	4.70	5.22	6.12	6.66	8.18	10.3	12.3
35	0.08	0.08	0.16	0.33	0.56	0.86	1.23	1.69	2.23	2.74	3.28	3.82	4.20	4.58	5.09	5.52	6.37	7.69	9.20
40	0.10	0.11	0.22	0.38	0.61	0.90	1.24	1.66	2.15	2.57	3.01	3.53	3.99	4.30	4.53	4.90	5.52	6.34	6.92
45	0.10	0.10	0.15	0.28	0.45	0.67	0.94	1.26	1.63	2.01	2.40	2.81	3.24	3.60	3.92	4.30	4.76	5.33	5.76
50	0.11	0.12	0.18	0.29	0.45	0.65	0.88	1.14	1.45	1.77	2.10	2.43	2.80	3.17	3.59	4.03	4.43	4.70	4.78
55	0.10	0.10	0.12	0.20	0.31	0.46	0.64	0.84	1.07	1.32	1.58	1.84	2.12	2.42	2.74	3.06	3.37	3.60	3.71
60	0.08	0.09	0.12	0.19	0.29	0.41	0.56	0.71	0.89	1.09	1.27	1.46	1.68	1.93	2.14	2.34	2.50	2.58	2.69
65	0.09	0.09	0.10	0.14	0.20	0.28	0.38	0.50	0.62	0.77	0.91	1.05	1.19	1.36	1.52	1.65	1.79	1.87	1.96
70	0.09	0.09	0.10	0.13	0.17	0.23	0.30	0.38	0.47	0.56	0.66	0.75	0.83	0.91	1.01	1.08	1.15	1.22	1.26
75	0.10	0.10	0.10	0.11	0.13	0.17	0.20	0.24	0.30	0.36	0.41	0.47	0.53	0.58	0.64	0.68	0.73	0.77	0.82
80	0.10	0.11	0.11	0.11	0.12	0.13	0.13	0.15	0.17	0.20	0.22	0.24	0.27	0.29	0.31	0.33	0.35	0.38	0.38
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:221.0V I:4.634A P:998.7W PF:0.9753 Freq:49.89Hz Lamp Flux:119692x1 lm		
NAME: ITSP41000154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: ×1000cd

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	0.52	0.51	0.50	0.49	0.49	0.48	0.47	0.46	0.45	0.43	0.42	0.40	0.39	0.37	0.36	0.34	0.31	0.27
-75	0.91	0.88	0.86	0.84	0.82	0.79	0.76	0.72	0.68	0.64	0.60	0.56	0.51	0.47	0.43	0.40	0.36	0.31
-70	1.27	1.24	1.21	1.17	1.13	1.07	1.02	0.96	0.89	0.82	0.75	0.67	0.60	0.54	0.48	0.42	0.36	0.32
-65	1.90	1.87	1.82	1.75	1.67	1.57	1.45	1.34	1.23	1.11	0.98	0.87	0.75	0.64	0.55	0.47	0.39	0.33
-60	2.50	2.48	2.39	2.27	2.13	1.97	1.80	1.63	1.48	1.29	1.13	0.96	0.80	0.67	0.55	0.46	0.36	0.32
-55	3.51	3.47	3.37	3.19	2.98	2.76	2.51	2.25	2.00	1.76	1.51	1.28	1.06	0.86	0.69	0.55	0.42	0.34
-50	4.50	4.41	4.21	3.96	3.65	3.35	3.01	2.65	2.33	2.03	1.71	1.42	1.15	0.91	0.71	0.55	0.39	0.34
-45	6.23	6.10	5.80	5.42	4.97	4.52	4.05	3.56	3.08	2.66	2.24	1.83	1.47	1.15	0.89	0.67	0.48	0.36
-40	7.89	7.58	7.11	6.53	5.94	5.32	4.71	4.08	3.48	2.97	2.42	1.94	1.53	1.18	0.88	0.65	0.42	0.36
-35	13.1	11.9	9.95	8.41	7.21	6.30	5.54	4.89	4.18	3.49	2.90	2.29	1.79	1.37	1.02	0.74	0.49	0.34
-30	17.6	14.7	11.4	9.31	7.72	6.63	5.85	5.16	4.31	3.54	2.86	2.21	1.70	1.27	0.91	0.63	0.35	0.29
-25	40.3	31.3	20.0	12.6	9.11	7.27	6.12	5.38	4.77	4.03	3.30	2.57	1.98	1.49	1.08	0.75	0.47	0.29
-20	57.3	38.7	21.3	12.4	8.80	6.96	5.70	5.15	4.65	3.90	3.15	2.41	1.86	1.37	0.96	0.63	0.32	0.25
-15	172	119	57.2	24.4	12.8	8.25	6.41	5.46	4.99	4.49	3.68	2.83	2.15	1.61	1.15	0.76	0.46	0.26
-10	253	147	57.4	24.4	11.9	7.91	6.28	5.34	4.96	4.44	3.56	2.63	1.99	1.47	1.02	0.62	0.31	0.24
-5	648	389	144	42.9	19.1	10.0	7.27	5.95	5.22	4.79	3.97	3.03	2.26	1.69	1.21	0.77	0.45	0.25
0	897	408	113	35.6	16.7	9.33	7.15	5.82	5.13	4.56	3.67	2.74	2.04	1.49	1.03	0.63	0.30	0.24
5	702	414	145	42.8	19.6	10.00	7.26	5.93	5.14	4.69	3.92	3.02	2.23	1.66	1.19	0.75	0.44	0.24
10	342	171	56.5	25.0	12.4	7.83	6.24	5.27	4.79	4.30	3.51	2.59	1.93	1.42	0.98	0.60	0.29	0.22
15	214	137	55.7	23.3	12.4	7.59	6.01	5.04	4.60	4.20	3.54	2.75	2.05	1.51	1.07	0.69	0.40	0.21
20	38.1	28.1	18.2	10.4	7.19	5.87	4.88	4.39	4.08	3.62	3.00	2.27	1.72	1.23	0.84	0.52	0.25	0.18
25	26.6	21.6	15.3	9.83	6.95	5.55	4.80	4.22	3.95	3.47	2.94	2.31	1.73	1.26	0.87	0.57	0.31	0.15
30	12.1	10.0	7.66	6.24	5.42	4.58	4.10	3.83	3.44	2.89	2.42	1.82	1.35	0.97	0.64	0.39	0.16	0.11
35	9.74	8.75	7.08	5.72	5.05	4.42	3.97	3.63	3.26	2.78	2.33	1.81	1.35	0.99	0.67	0.43	0.22	0.09
40	6.89	6.18	5.25	4.56	4.14	3.87	3.55	3.16	2.70	2.28	1.85	1.41	1.05	0.75	0.49	0.30	0.11	0.07
45	5.86	5.53	4.90	4.30	3.84	3.51	3.20	2.88	2.49	2.11	1.74	1.36	1.04	0.76	0.52	0.33	0.17	0.08
50	4.66	4.43	4.02	3.63	3.26	2.90	2.60	2.29	1.97	1.64	1.33	1.05	0.80	0.58	0.39	0.24	0.11	0.08
55	3.69	3.54	3.32	3.04	2.77	2.48	2.21	1.96	1.70	1.46	1.20	0.97	0.76	0.56	0.40	0.26	0.15	0.08
60	2.59	2.52	2.40	2.23	2.05	1.85	1.62	1.41	1.24	1.06	0.88	0.71	0.56	0.41	0.30	0.20	0.11	0.09
65	1.96	1.89	1.82	1.71	1.60	1.46	1.31	1.16	1.03	0.90	0.76	0.63	0.50	0.39	0.29	0.21	0.14	0.10
70	1.27	1.21	1.16	1.10	1.04	0.95	0.88	0.80	0.71	0.62	0.53	0.44	0.36	0.28	0.22	0.17	0.12	0.10
75	0.83	0.81	0.78	0.74	0.71	0.66	0.62	0.57	0.52	0.46	0.41	0.35	0.30	0.25	0.20	0.16	0.13	0.11
80	0.39	0.38	0.37	0.35	0.34	0.33	0.32	0.30	0.28	0.26	0.24	0.22	0.19	0.17	0.15	0.14	0.12	0.11
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: