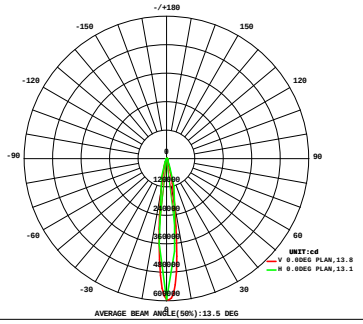
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		9382.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	35.6V x 30.4H
	At 50% of Imax	13.1V x 13.9H
	At 90% of Imax	4.5V x 6.1H
Beam Flux	Total	996.9 lumens per klm.
	To 10% of Imax	696.5 lumens per klm.
	To 50% of Imax	278.0 lumens per klm.
	To 90% of Imax	29.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:126.81lm/W	
MODEL		Imax(cd)	596006
NOMINAL POWER(W)	500	AVAILABILITY(%)	72.7
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	46180
NOMINAL FLUX(lm)	63525.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	63525
TEST VOLTAGE(V)	220	q @50%(H,V)	14,13DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	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	0.30	1.34	2.89	4.81	6.94	9.14	11.2	12.6	13.5	13.5	12.7	11.4	9.26	6.96	4.83	2.87	1.35	0.31	126	0.00
70	0.27	1.45	3.51	6.30	9.60	13.3	17.5	21.1	23.5	23.5	21.1	17.6	13.6	9.80	6.51	3.57	1.48	0.30	194	0.00
60	0.33	1.79	4.42	8.31	13.2	19.9	28.7	38.2	45.1	44.6	37.4	28.5	20.2	13.6	8.62	4.59	1.81	0.33	320	0.00
50	0.39	2.15	5.56	10.7	18.4	29.7	45.9	67.0	86.0	86.0	66.8	46.0	30.0	18.7	10.9	5.66	2.14	0.37	533	0.00
40	0.41	2.44	6.57	13.5	25.0	42.9	67.8	98.5	137	145	103	68.9	43.4	25.4	13.9	6.78	2.53	0.42	804	0.00
30	0.41	2.63	7.41	16.4	32.5	59.8	90.2	154	319	352	177	94.2	60.7	33.6	17.7	8.29	3.13	0.54	1429	0.00
-30	0.44	2.89	8.32	19.2	41.1	78.0	135	503	1563	1712	603	145	78.4	44.4	22.2	10.2	3.82	0.68	4971	2394
-40	0.48	3.11	9.10	21.7	50.2	100	255	1432	6491	7484	1643	243	91.9	54.7	26.0	11.4	4.18	0.75	17921	15699
-50	0.50	3.20	9.40	22.7	53.6	113	327	1968	10700	10477	1878	263	94.6	56.1	26.5	11.6	4.23	0.76	26009	23802
-60	0.49	3.16	9.05	21.0	45.4	85.4	183	869	2478	2093	728	160	86.5	48.2	24.1	10.9	4.09	0.75	6850	4286
-70	0.48	3.02	8.32	18.3	35.9	65.7	108	240	464	438	207	110	75.1	40.0	21.6	10.1	3.89	0.73	1849	0.00
-80	0.50	2.93	7.47	15.5	29.0	51.8	89.0	133	159	149	124	98.3	59.7	35.7	19.6	9.73	3.85	0.76	989	0.00
-90	0.54	2.88	6.98	13.6	24.0	39.1	58.9	82.5	93.2	90.9	80.9	59.3	42.5	28.2	16.6	8.90	3.72	0.77	653	0.00
HORIZONTAL(DEG)	0.53	2.68	6.35	11.6	18.4	27.3	36.7	44.0	47.5	47.1	43.4	37.0	28.0	19.2	12.5	7.01	3.08	0.67	393	0.00
	0.53	2.44	5.38	9.25	13.6	18.3	23.2	27.2	29.5	29.5	26.9	22.9	18.1	13.7	9.42	5.55	2.60	0.62	259	0.00
	0.52	2.13	4.39	6.99	9.83	12.7	15.1	16.8	17.7	17.7	16.7	15.0	12.4	9.64	6.84	4.32	2.17	0.56	171	0.00
	0.25	0.94	1.72	2.56	3.35	4.18	4.86	5.18	5.39	5.34	5.06	4.59	3.88	3.08	2.31	1.55	0.86	0.24	55.3	0.00
F t	7.34	41.2	107	222	430	770	1496	5713	22672	23206	5774	1425	768	461	250	123	48.9	9.54	63525	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2533	20184	21139	2325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	46180

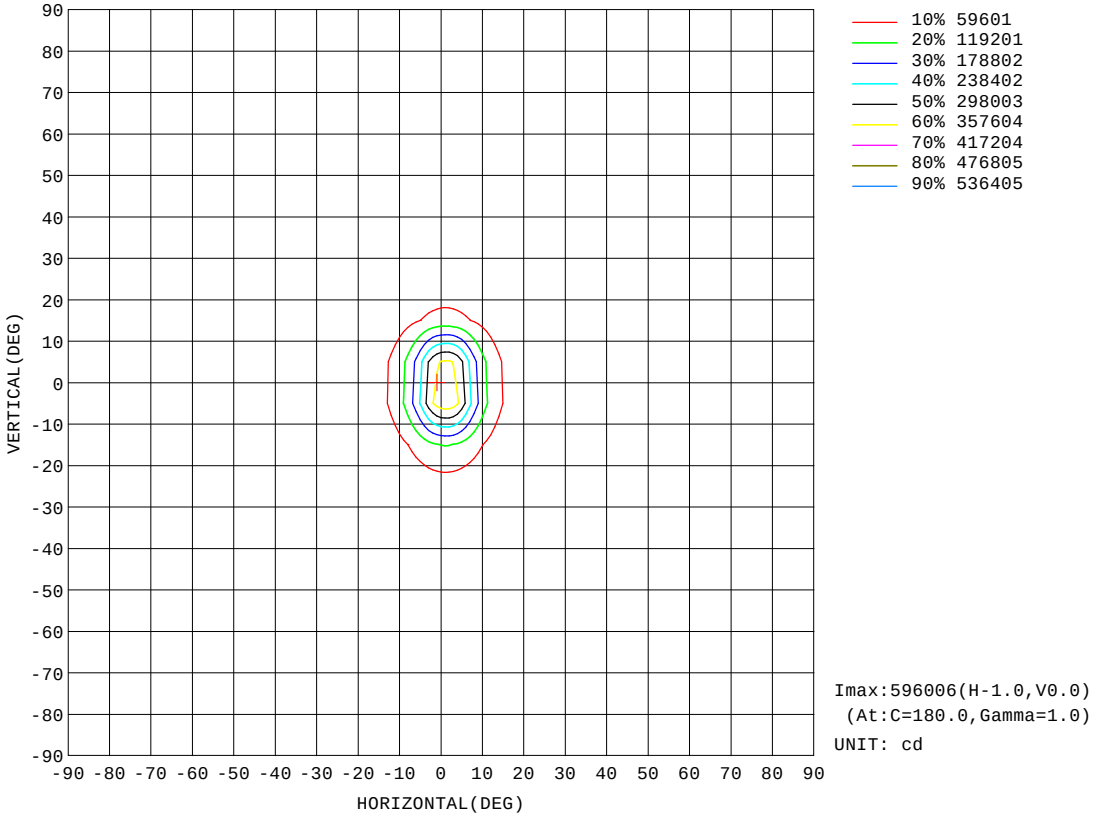
one-half-peak spread: U:7.1,D:6.2 , L:6.9,R:7.1 **NEMA Beam Type: Type 3**

H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:03 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:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

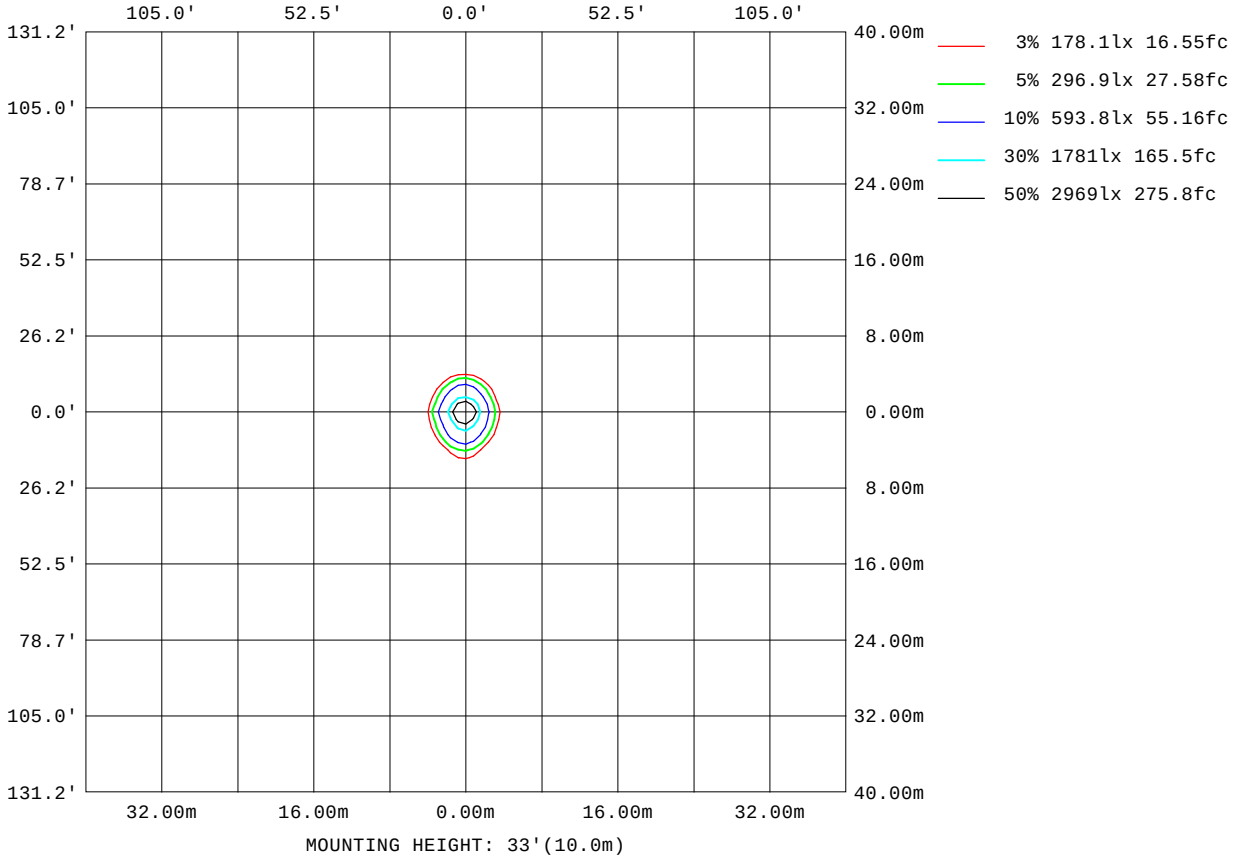


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:03 September 2020

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

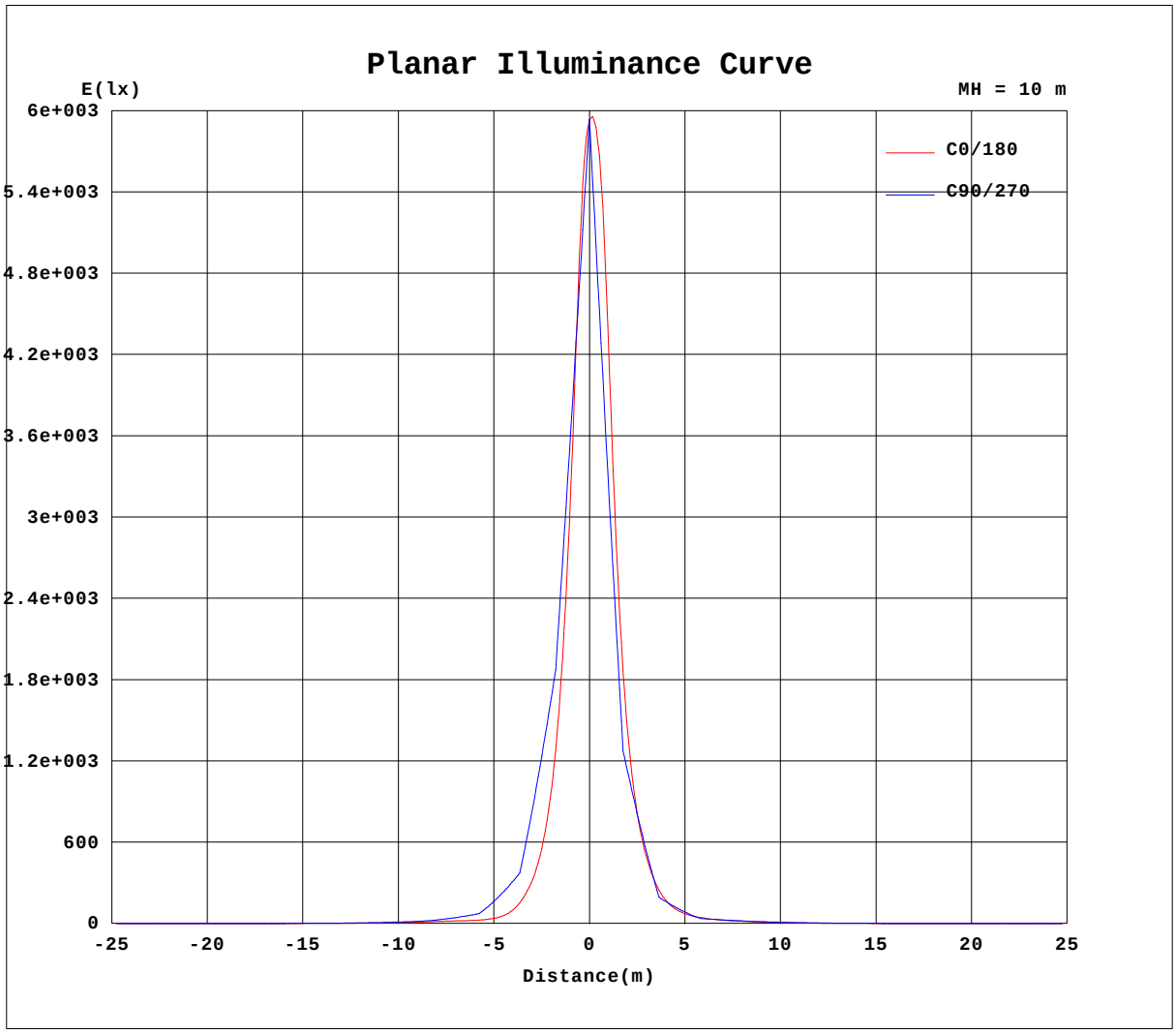
Test:U:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:



H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:03 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

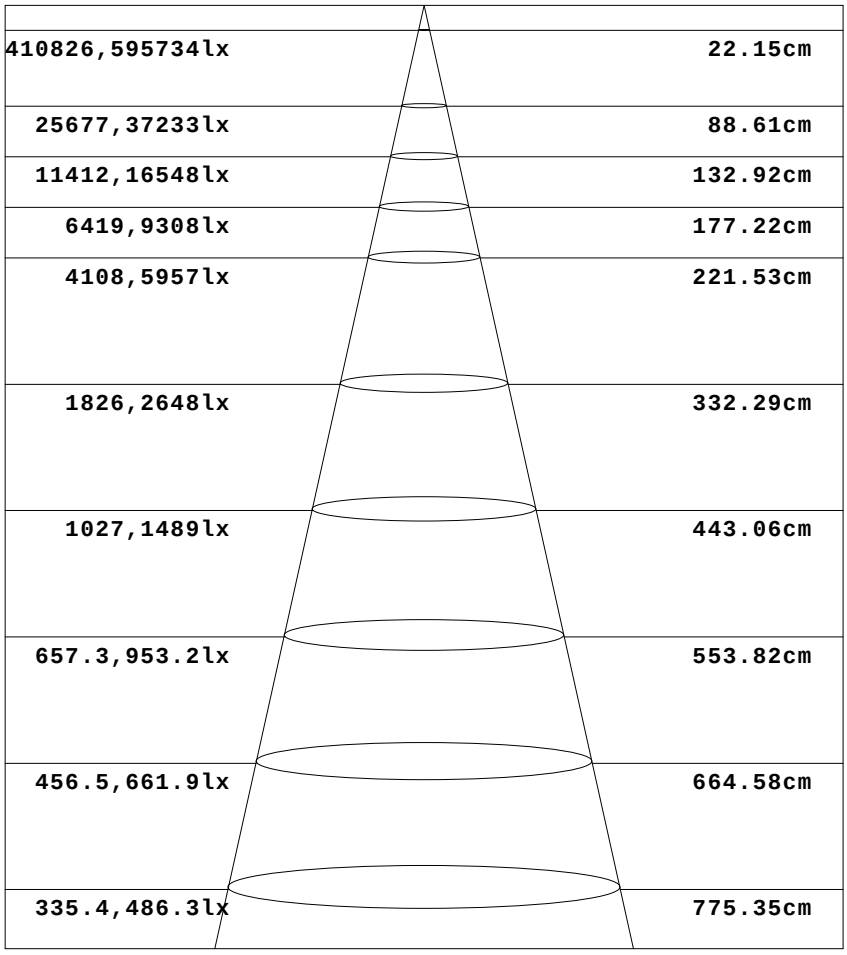


H(b) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(b) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:11.900m [K=1.0000]
Test Date:03 September 2020	Remarks:

AAI Figure

Test:U:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:16754 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:03 September 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
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	1.62	1.75	2.09	2.44	2.64	2.87	3.08	3.25	3.40	3.55	3.72	3.89	4.11	4.19	4.24	4.29	4.34	4.39	4.41
-75	1.61	1.76	2.06	2.57	2.91	3.26	3.60	3.88	4.16	4.45	4.74	5.01	5.29	5.52	5.69	5.83	5.94	6.04	6.11
-70	1.74	1.92	2.43	2.99	3.43	3.92	4.36	4.73	5.15	5.59	5.97	6.36	6.67	6.99	7.27	7.46	7.62	7.76	7.80
-65	1.61	1.77	2.21	2.93	3.46	4.02	4.60	5.17	5.68	6.25	6.80	7.39	7.99	8.57	9.13	9.58	9.93	10.2	10.4
-60	1.61	1.85	2.55	3.32	3.97	4.55	5.31	6.01	6.67	7.36	8.10	8.91	9.78	10.6	11.4	12.0	12.5	12.9	13.0
-55	1.48	1.65	2.27	3.16	3.88	4.64	5.48	6.35	7.20	8.23	9.35	10.6	12.0	13.3	14.6	15.7	16.7	17.4	17.8
-50	1.48	1.80	2.72	3.62	4.42	5.34	6.35	7.36	8.53	9.96	11.6	13.4	15.2	17.0	18.7	20.2	21.5	22.3	22.5
-45	1.38	1.56	2.37	3.38	4.20	5.13	6.20	7.37	8.80	10.6	12.6	14.9	17.6	20.5	23.9	27.6	31.2	34.0	35.4
-40	1.34	1.81	2.93	3.83	4.68	5.75	6.97	8.44	10.4	12.7	15.4	18.6	22.2	26.7	32.1	37.9	43.4	47.2	48.4
-35	1.08	1.34	2.40	3.45	4.38	5.48	6.74	8.34	10.4	12.8	15.8	19.5	24.5	30.0	36.6	45.8	58.4	72.6	81.6
-30	0.88	1.56	2.77	3.81	4.90	6.18	7.68	9.77	12.2	15.2	18.9	24.3	31.1	38.1	47.7	63.1	84.9	108	115
-25	0.71	1.11	2.38	3.47	4.61	5.96	7.56	9.70	12.3	15.5	19.8	25.4	30.9	37.6	51.4	81.7	141	223	284
-20	0.69	1.64	2.83	3.99	5.35	6.95	8.97	11.6	14.8	19.0	25.1	31.0	35.3	45.7	74.5	140	259	403	454
-15	0.57	1.13	2.40	3.57	4.87	6.43	8.38	11.1	14.4	18.9	25.7	32.7	38.7	51.9	95.1	214	452	856	1202
-10	0.64	1.72	2.90	4.12	5.62	7.37	9.79	12.9	17.2	23.7	32.3	39.0	49.7	80.6	186	440	934	1658	1964
-5	0.54	1.24	2.41	3.62	4.98	6.64	8.79	11.8	15.7	21.7	30.8	39.4	51.8	80.7	169	422	1007	2422	3920
0	0.61	1.69	2.89	4.10	5.62	7.49	10.1	13.4	18.4	26.5	36.6	47.3	72.3	127	299	746	1948	4804	5938
5	0.47	1.25	2.33	3.52	4.86	6.48	8.57	11.5	15.3	21.2	30.0	38.4	50.3	77.5	159	397	949	2239	3611
10	0.60	1.57	2.72	3.91	5.35	7.03	9.32	12.2	16.3	22.4	30.5	36.8	45.6	71.0	158	380	737	1170	1335
15	0.41	1.15	2.18	3.29	4.54	5.99	7.82	10.3	13.4	17.8	24.1	30.6	35.9	46.2	78.7	170	350	595	784
20	0.62	1.47	2.52	3.60	4.86	6.29	8.17	10.6	13.6	17.7	23.4	28.6	32.2	38.3	53.5	86.7	146	214	237
25	0.45	1.08	2.02	3.03	4.12	5.39	6.89	8.82	11.3	14.3	18.4	23.2	27.5	31.6	38.6	53.1	80.9	120	148
30	0.65	1.40	2.32	3.27	4.37	5.58	7.00	8.86	11.1	13.8	17.2	21.5	26.0	29.2	32.6	37.7	45.5	55.2	61.2
35	0.59	1.09	1.90	2.82	3.72	4.80	5.97	7.36	9.11	11.2	13.7	16.7	20.4	24.0	27.4	31.8	37.7	44.5	50.0
40	0.82	1.48	2.23	3.06	3.90	4.93	5.98	7.20	8.67	10.4	12.4	14.8	17.8	21.3	25.5	30.3	35.2	39.0	40.2
45	0.68	1.08	1.76	2.54	3.25	4.11	5.02	5.97	7.04	8.36	9.85	11.6	13.8	16.4	19.4	22.8	26.3	29.2	30.7
50	0.79	1.27	1.90	2.58	3.25	4.02	4.81	5.55	6.41	7.43	8.66	10.1	11.8	13.7	15.9	18.1	20.0	21.2	21.2
55	0.64	0.94	1.53	2.12	2.70	3.31	3.97	4.65	5.32	6.07	6.91	7.92	9.12	10.4	11.9	13.3	14.7	15.6	15.9
60	0.71	1.02	1.58	2.13	2.63	3.11	3.68	4.27	4.78	5.34	5.93	6.67	7.47	8.27	9.04	9.70	10.2	10.5	10.6
65	0.64	0.85	1.27	1.73	2.16	2.60	3.06	3.53	3.94	4.39	4.81	5.29	5.85	6.41	6.92	7.37	7.73	7.99	8.11
70	0.75	0.89	1.36	1.68	2.05	2.44	2.84	3.11	3.43	3.77	4.07	4.36	4.69	4.97	5.18	5.34	5.48	5.61	5.65
75	0.72	0.84	1.03	1.40	1.64	1.92	2.18	2.41	2.63	2.87	3.09	3.28	3.51	3.71	3.86	3.97	4.05	4.13	4.18
80	0.82	0.83	1.05	1.30	1.45	1.59	1.74	1.88	2.03	2.14	2.27	2.39	2.52	2.58	2.62	2.67	2.68	2.70	2.70
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:03 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:221.0V I:2.310A P:501.0W PF:0.9813 Freq:49.80Hz Lamp Flux:63525.4x1 lm		
NAME: ITSP2500154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
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	4.37	4.33	4.26	4.16	4.08	3.97	3.77	3.59	3.42	3.27	3.09	2.92	2.73	2.56	2.41	2.11	1.83	1.73
-75	6.08	5.98	5.88	5.76	5.58	5.39	5.09	4.81	4.54	4.27	3.97	3.71	3.40	3.08	2.80	2.48	2.04	1.85
-70	7.71	7.56	7.41	7.21	6.95	6.55	6.19	5.83	5.45	5.03	4.64	4.29	3.81	3.35	2.99	2.49	2.05	1.91
-65	10.3	10.1	9.76	9.38	8.88	8.33	7.72	7.14	6.62	6.13	5.57	5.05	4.46	3.92	3.41	2.86	2.24	1.96
-60	12.8	12.4	11.8	11.2	10.4	9.59	8.79	8.03	7.41	6.77	6.09	5.35	4.64	4.04	3.39	2.71	2.10	1.91
-55	17.6	17.1	16.3	15.3	14.2	13.0	11.7	10.5	9.32	8.32	7.39	6.53	5.59	4.78	4.01	3.24	2.41	1.97
-50	22.1	21.3	20.0	18.6	17.0	15.4	13.7	12.0	10.4	9.10	8.00	6.98	5.86	4.86	4.02	3.06	2.21	1.90
-45	35.0	32.9	29.8	26.3	22.9	20.1	17.7	15.4	13.3	11.4	9.63	8.27	6.98	5.77	4.71	3.74	2.67	2.00
-40	46.5	42.3	36.8	31.1	26.3	22.8	19.9	17.2	14.6	12.1	10.1	8.53	7.11	5.77	4.66	3.54	2.41	1.91
-35	78.0	65.4	52.1	42.4	35.8	30.2	24.6	20.3	17.1	14.2	11.6	9.43	7.80	6.30	5.03	3.89	2.72	1.85
-30	101	77.3	58.8	47.9	40.9	33.2	25.3	20.7	17.1	14.0	11.2	8.96	7.31	5.75	4.49	3.31	2.12	1.52
-25	257	175	105	63.8	45.3	36.8	31.1	24.7	19.5	15.9	12.9	10.1	8.12	6.50	5.05	3.80	2.62	1.58
-20	351	211	111	61.4	41.4	36.0	31.7	23.9	18.8	15.3	12.3	9.53	7.62	6.04	4.60	3.32	2.13	1.34
-15	1050	609	294	135	61.5	39.5	35.3	30.6	22.8	17.9	14.2	11.1	8.67	6.90	5.25	3.92	2.63	1.48
-10	1401	715	323	132	55.1	37.9	36.5	30.8	22.2	17.3	13.6	10.5	8.18	6.40	4.81	3.44	2.26	1.28
-5	3317	1485	592	238	87.8	44.6	37.1	35.1	26.3	19.7	15.4	12.0	9.09	7.16	5.42	4.01	2.64	1.46
0	3605	1344	498	187	68.3	41.3	37.6	33.1	23.9	18.4	14.2	10.8	8.30	6.47	4.85	3.43	2.22	1.20
5	3061	1377	556	222	82.2	43.5	36.4	34.2	25.7	19.4	15.1	11.8	8.92	7.04	5.33	3.94	2.57	1.49
10	1009	575	271	110	50.3	36.2	34.8	29.2	21.4	16.7	13.1	10.0	7.88	6.16	4.65	3.29	2.14	1.14
15	698	443	230	107	51.1	35.9	32.4	28.0	21.1	16.5	13.1	10.2	8.01	6.40	4.88	3.60	2.35	1.39
20	192	122	70.4	45.2	34.3	31.4	27.7	21.1	16.6	13.4	10.7	8.36	6.75	5.36	4.05	2.83	1.82	1.02
25	138	100	64.1	43.5	34.0	29.4	25.5	20.4	16.0	13.0	10.4	8.24	6.63	5.31	4.08	2.95	1.90	1.07
30	56.8	45.9	37.4	32.5	29.2	24.6	19.4	15.6	12.8	10.5	8.34	6.69	5.44	4.26	3.22	2.17	1.35	0.68
35	49.5	42.9	35.3	29.8	25.9	22.1	18.0	14.6	12.1	10.0	8.15	6.62	5.42	4.30	3.31	2.34	1.50	0.79
40	37.9	33.4	28.3	23.7	19.6	16.3	13.6	11.5	9.71	8.00	6.62	5.54	4.50	3.51	2.64	1.76	1.09	0.56
45	29.9	27.3	23.8	20.3	17.3	14.6	12.4	10.5	8.97	7.55	6.38	5.43	4.51	3.58	2.77	1.97	1.31	0.69
50	20.1	18.4	16.4	14.5	12.7	11.0	9.55	8.23	7.09	6.10	5.34	4.58	3.75	2.99	2.25	1.57	0.98	0.58
55	15.5	14.6	13.3	12.0	10.7	9.51	8.38	7.35	6.46	5.68	5.02	4.37	3.64	2.97	2.33	1.70	1.18	0.70
60	10.3	9.77	9.18	8.54	7.79	7.06	6.36	5.73	5.22	4.72	4.21	3.57	2.99	2.44	1.88	1.42	0.89	0.65
65	8.02	7.74	7.39	6.99	6.53	6.03	5.52	5.04	4.59	4.18	3.78	3.33	2.81	2.34	1.90	1.47	1.02	0.74
70	5.58	5.43	5.29	5.11	4.88	4.60	4.29	3.99	3.66	3.32	3.03	2.65	2.26	1.87	1.55	1.22	0.82	0.72
75	4.15	4.08	4.00	3.90	3.79	3.62	3.39	3.18	2.93	2.71	2.50	2.26	1.97	1.70	1.47	1.22	0.88	0.78
80	2.66	2.67	2.64	2.61	2.57	2.45	2.33	2.17	2.04	1.92	1.79	1.63	1.46	1.33	1.20	0.95	0.80	0.79
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:03 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: