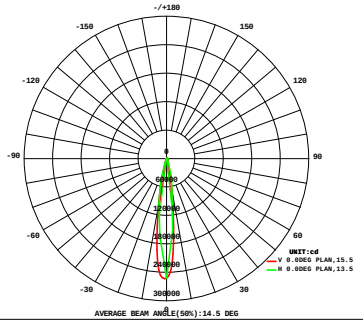
Floodlight Summary:

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:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:120.88lm/W	
MODEL		Imax(cd)	253070
NOMINAL POWER(W)	240	AVAILABILITY(%)	73.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	21450
NOMINAL FLUX(lm)	29065.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	29066
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	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	0.08	0.27	0.59	1.09	1.91	2.89	3.89	4.82	5.65	5.96	5.46	4.71	3.76	2.77	1.81	1.01	0.45	0.11	47.2	0.00
70	0.06	0.29	0.91	2.15	4.02	6.31	8.92	11.5	13.4	13.9	12.5	10.3	7.69	5.23	3.12	1.53	0.55	0.10	102	0.00
60	0.07	0.43	1.54	3.71	7.05	11.2	16.4	21.8	25.8	26.2	23.1	18.1	13.0	8.60	4.92	2.29	0.75	0.11	185	0.00
50	0.08	0.63	2.29	5.62	10.9	17.4	24.7	32.0	39.9	42.3	34.7	25.7	19.1	12.7	7.14	3.17	0.99	0.13	279	0.00
40	0.08	0.77	3.00	7.69	14.9	23.7	31.5	40.0	56.2	66.8	48.4	32.8	24.0	16.6	9.50	4.11	1.26	0.16	381	0.00
30	0.07	0.89	3.62	9.52	18.8	28.7	39.3	67.0	136	168	97.8	45.7	28.4	20.1	12.0	5.23	1.64	0.22	683	0.00
20	0.09	1.05	4.24	11.1	22.5	34.1	58.7	182	756	1190	382	79.5	35.7	23.6	14.5	6.30	2.02	0.28	2804	1727
10	0.10	1.16	4.59	12.1	25.4	42.8	98.6	453	2823	4401	1065	132	43.9	27.0	16.2	6.85	2.22	0.31	9155	8221
0	0.11	1.21	4.68	12.4	26.5	46.4	111	586	3870	5177	1126	132	44.9	27.4	16.4	6.92	2.26	0.32	11193	10304
-10	0.11	1.16	4.45	11.5	23.7	36.7	62.7	257	724	753	297	79.0	37.8	25.6	15.1	6.53	2.15	0.32	2337	1198
-20	0.12	1.07	3.93	9.86	19.5	32.2	47.4	81.6	146	164	94.4	54.2	35.9	24.3	13.4	5.99	2.02	0.32	737	0.00
-30	0.16	1.02	3.34	8.08	15.8	27.8	42.6	59.6	69.8	65.1	58.2	47.0	33.7	21.6	11.9	5.42	1.91	0.34	473	0.00
-40	0.20	0.98	2.85	6.46	12.3	20.3	30.3	38.6	40.6	39.4	38.4	32.7	24.3	15.8	9.30	4.52	1.69	0.33	319	0.00
-50	0.19	0.84	2.17	4.50	7.96	12.4	17.0	21.2	24.0	24.4	22.6	18.9	14.4	9.93	6.11	3.17	1.28	0.28	191	0.00
-60	0.20	0.75	1.64	3.03	4.91	7.05	9.26	11.4	12.8	13.2	12.3	10.5	8.26	6.06	3.93	2.21	1.00	0.25	109	0.00
-70	0.20	0.66	1.22	1.90	2.71	3.61	4.45	5.21	5.99	6.18	5.65	5.09	4.33	3.41	2.46	1.57	0.82	0.23	55.7	0.00
-80	0.09	0.28	0.45	0.61	0.76	0.89	1.00	1.09	1.16	1.17	1.14	1.08	0.99	0.85	0.69	0.51	0.31	0.10	13.2	0.00
-90	HORIZONTAL(DEG)																			
F t	2.01	13.5	45.5	111	219	354	608	1874	8751	12158	3325	730	380	252	148	67.3	23.3	3.92	29066	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	562	7692	11212	1984	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	21450

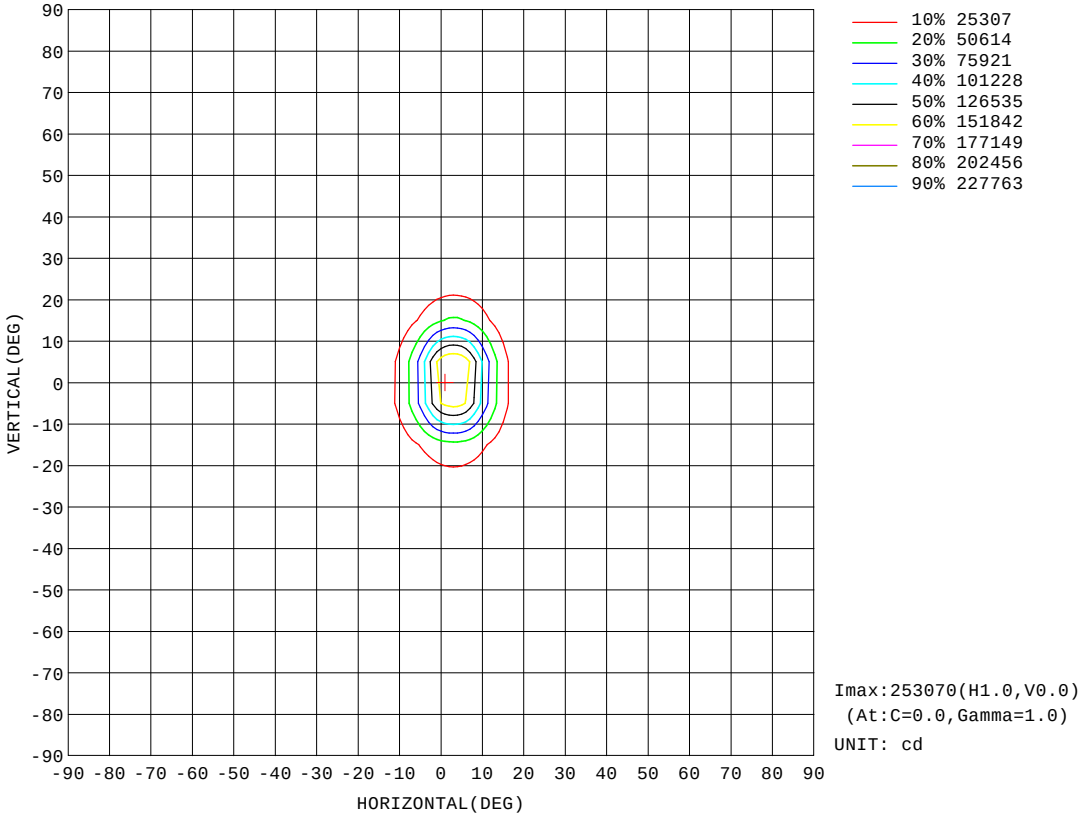
one-half-peak spread: U:6.3,D:7.4 , L:7.8,R:7.8 **NEMA Beam Type: Type 3**

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

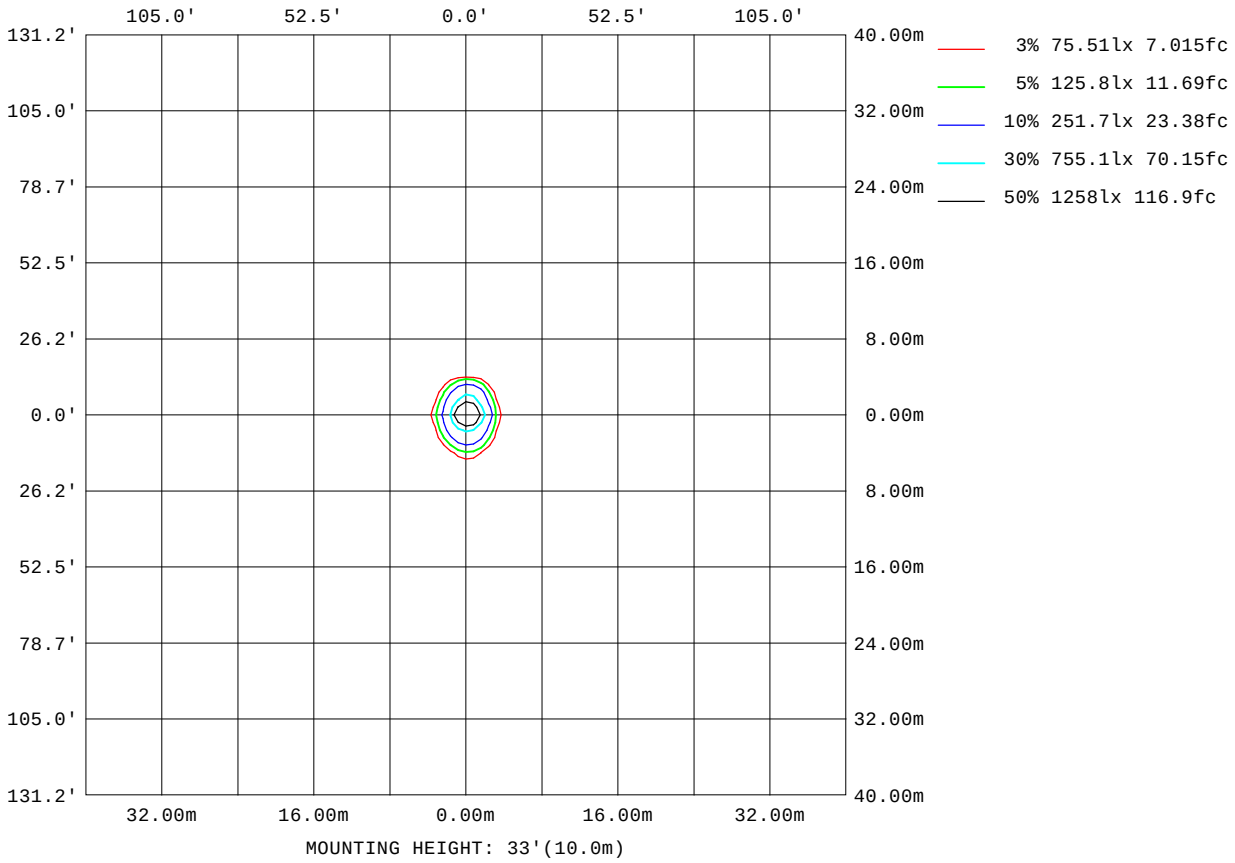
Test:U:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:16 February 2023	Remarks:

ISOLUX DIAGRAM

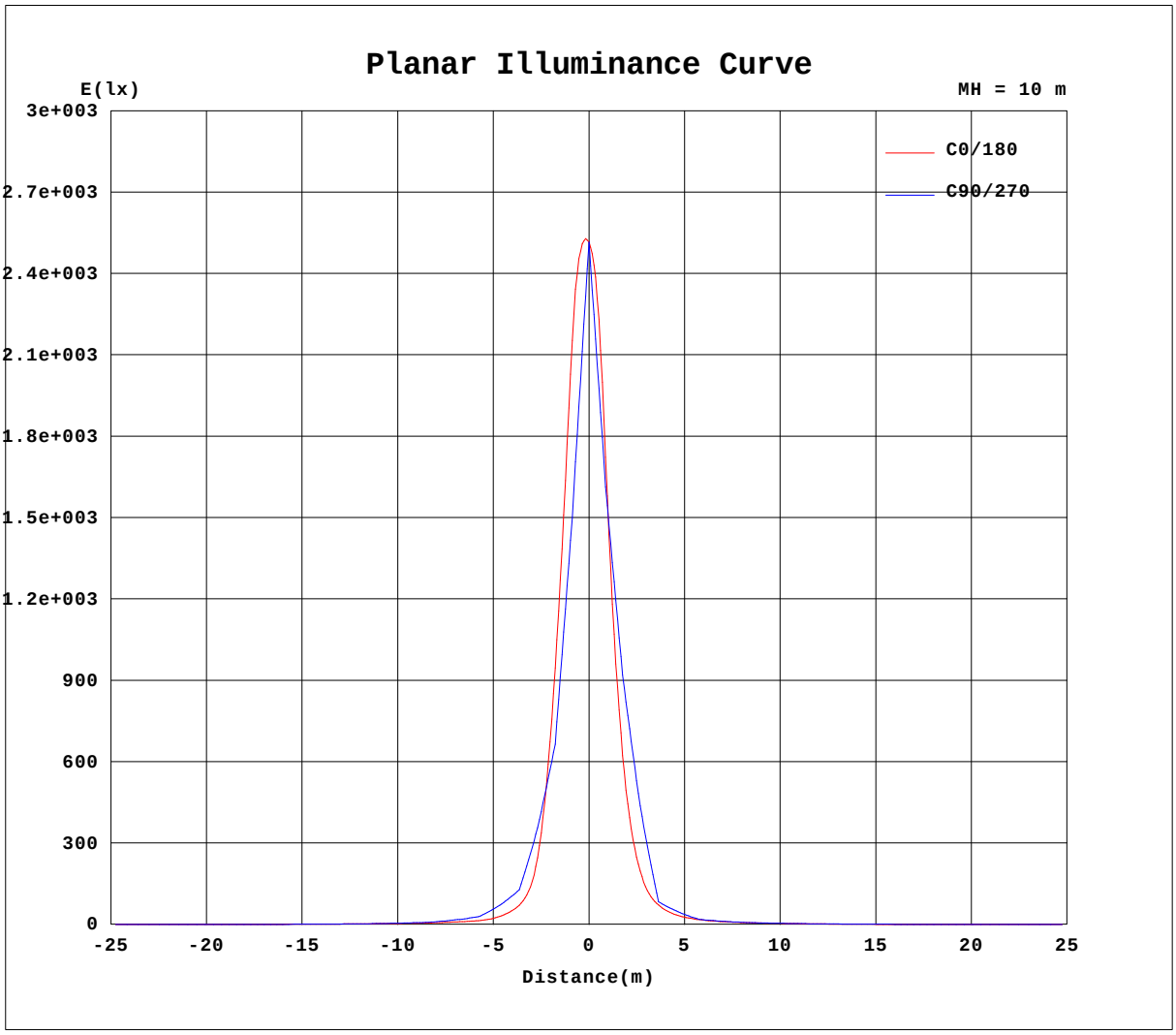
Test:U:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



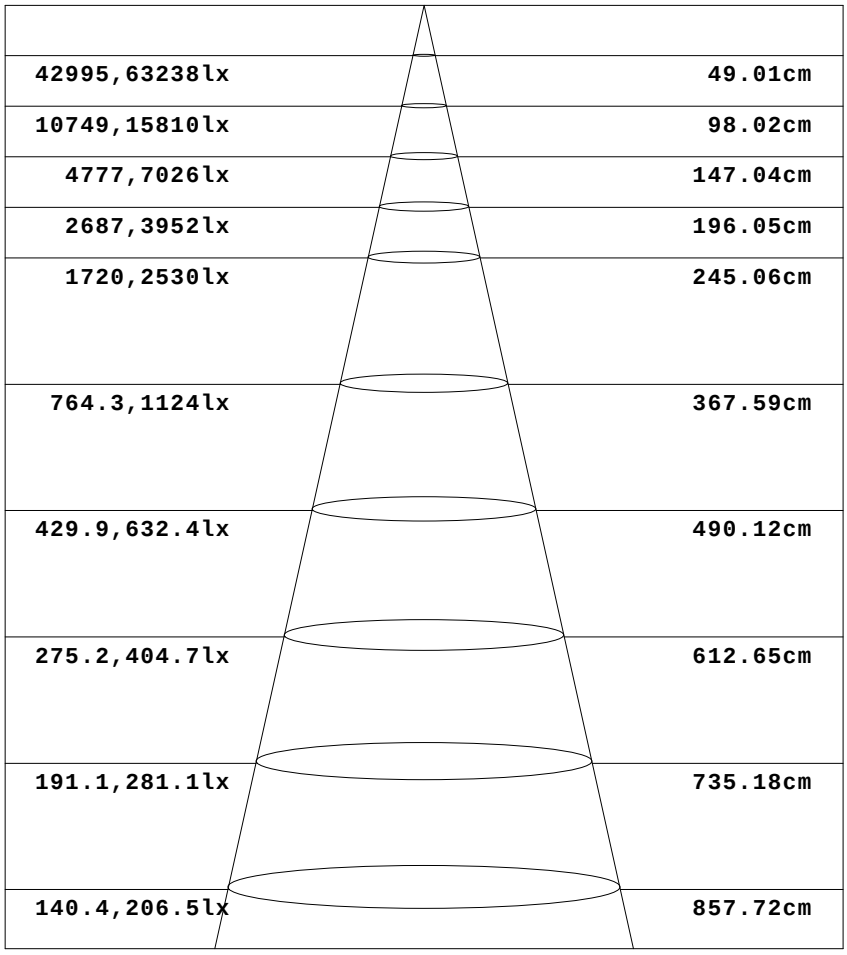
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 February 2023

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:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:8145 lm



Height Eavg,Emax Angle:13.97deg 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:16 February 2023	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	0.59	0.66	0.71	0.73	0.75	0.77	0.80	0.83	0.86	0.89	0.93	0.97	1.01	1.04	1.08	1.12	1.16	1.21	1.23
-75	0.63	0.69	0.75	0.80	0.85	0.92	0.99	1.08	1.17	1.27	1.38	1.48	1.59	1.69	1.78	1.88	1.98	2.08	2.19
-70	0.70	0.77	0.84	0.91	1.00	1.11	1.25	1.40	1.56	1.73	1.91	2.08	2.25	2.42	2.56	2.72	2.86	3.04	3.20
-65	0.67	0.72	0.80	0.90	1.04	1.22	1.43	1.68	1.94	2.23	2.54	2.84	3.13	3.43	3.71	3.99	4.25	4.42	4.60
-60	0.66	0.72	0.83	0.99	1.21	1.48	1.80	2.16	2.55	2.98	3.42	3.82	4.23	4.69	5.10	5.46	5.79	5.94	6.08
-55	0.64	0.67	0.79	0.97	1.23	1.56	1.97	2.44	2.97	3.57	4.21	4.86	5.54	6.20	6.84	7.41	7.94	8.26	8.47
-50	0.63	0.68	0.87	1.14	1.50	1.96	2.51	3.12	3.87	4.64	5.52	6.43	7.42	8.24	9.08	9.79	10.4	10.8	11.0
-45	0.62	0.63	0.79	1.08	1.48	1.99	2.63	3.38	4.32	5.31	6.42	7.64	9.04	10.4	11.7	12.9	13.9	14.6	15.0
-40	0.61	0.65	0.91	1.31	1.83	2.51	3.33	4.34	5.56	6.82	8.26	9.96	11.8	13.6	15.4	16.9	18.0	18.9	19.3
-35	0.51	0.50	0.71	1.12	1.66	2.37	3.22	4.28	5.61	6.96	8.59	10.5	12.6	14.6	16.8	19.8	23.4	27.8	31.4
-30	0.39	0.44	0.80	1.32	2.02	2.86	3.91	5.24	6.71	8.34	10.4	12.8	15.0	17.3	20.4	25.3	32.2	40.1	44.8
-25	0.32	0.33	0.60	1.13	1.82	2.72	3.80	5.15	6.78	8.55	10.6	12.7	14.4	16.8	20.6	28.5	44.4	70.0	95.6
-20	0.25	0.35	0.78	1.43	2.30	3.39	4.68	6.39	8.19	10.3	12.6	14.0	15.7	18.7	25.8	41.8	75.1	123	155
-15	0.23	0.25	0.57	1.20	2.01	3.07	4.35	5.98	7.97	10.4	12.6	14.2	16.3	20.5	30.3	59.2	138	263	397
-10	0.22	0.33	0.79	1.55	2.51	3.72	5.18	7.20	9.45	12.4	14.1	15.9	19.6	27.3	50.1	126	292	516	697
-5	0.21	0.24	0.56	1.22	2.14	3.24	4.59	6.43	8.72	11.6	14.0	16.3	21.0	30.1	51.8	114	319	815	1519
0	0.21	0.32	0.79	1.56	2.61	3.77	5.28	7.50	10.0	13.0	15.3	19.7	28.2	44.8	87.6	218	652	1742	2517
5	0.19	0.21	0.53	1.17	2.11	3.19	4.52	6.35	8.63	11.3	13.6	16.1	21.2	30.9	54.1	114	315	848	1632
10	0.18	0.27	0.71	1.45	2.45	3.58	5.02	7.03	9.23	11.7	13.4	15.9	20.6	29.8	56.0	118	300	641	963
15	0.17	0.18	0.47	1.06	1.91	2.94	4.21	5.82	7.82	10.0	12.0	13.3	15.9	20.4	31.3	57.5	130	282	485
20	0.16	0.24	0.63	1.30	2.14	3.23	4.54	6.22	8.05	10.0	11.7	12.3	14.7	16.9	22.7	37.8	61.2	86.4	101
25	0.16	0.17	0.41	0.93	1.63	2.54	3.66	5.03	6.71	8.36	10.1	11.2	12.3	13.8	16.9	22.7	34.8	49.7	63.0
30	0.17	0.22	0.55	1.09	1.79	2.68	3.77	5.19	6.67	8.11	9.74	10.8	11.4	12.7	14.9	16.2	19.9	25.0	29.9
35	0.20	0.20	0.39	0.81	1.36	2.10	2.98	4.09	5.43	6.66	7.97	9.28	10.2	11.1	12.4	13.4	15.5	18.7	22.4
40	0.24	0.27	0.52	0.93	1.49	2.18	3.01	4.03	5.21	6.24	7.31	8.57	9.69	10.4	11.0	11.9	13.4	15.4	16.8
45	0.25	0.25	0.38	0.67	1.09	1.63	2.28	3.06	3.96	4.89	5.82	6.83	7.86	8.75	9.53	10.4	11.6	12.9	14.0
50	0.26	0.28	0.44	0.71	1.09	1.57	2.14	2.77	3.52	4.29	5.10	5.91	6.80	7.69	8.73	9.79	10.8	11.4	11.6
55	0.23	0.23	0.30	0.49	0.76	1.12	1.54	2.05	2.59	3.21	3.83	4.47	5.15	5.88	6.66	7.43	8.18	8.75	9.01
60	0.20	0.21	0.30	0.46	0.69	0.99	1.35	1.73	2.16	2.64	3.08	3.55	4.07	4.70	5.20	5.68	6.08	6.28	6.52
65	0.21	0.21	0.24	0.34	0.48	0.68	0.92	1.21	1.51	1.86	2.20	2.54	2.89	3.30	3.69	4.01	4.34	4.55	4.75
70	0.22	0.22	0.25	0.32	0.42	0.56	0.73	0.92	1.14	1.36	1.59	1.81	2.02	2.22	2.44	2.62	2.79	2.96	3.05
75	0.24	0.24	0.25	0.27	0.33	0.40	0.48	0.59	0.72	0.86	1.01	1.15	1.28	1.41	1.55	1.66	1.77	1.88	1.99
80	0.25	0.26	0.26	0.27	0.29	0.31	0.32	0.35	0.41	0.48	0.54	0.59	0.65	0.70	0.74	0.79	0.84	0.92	0.92
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 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:220.2V I:1.124A P:240.5W PF:0.9720 Freq:49.89Hz Lamp Flux:29065.7x1 lm		
NAME: ITSP4240154000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	1.26	1.23	1.21	1.19	1.18	1.17	1.14	1.11	1.08	1.05	1.02	0.98	0.94	0.91	0.87	0.83	0.75	0.65
-75	2.20	2.13	2.09	2.04	1.99	1.92	1.84	1.76	1.66	1.56	1.46	1.35	1.25	1.14	1.05	0.96	0.86	0.74
-70	3.08	3.01	2.93	2.84	2.73	2.61	2.48	2.33	2.17	1.99	1.82	1.64	1.47	1.30	1.15	1.03	0.87	0.78
-65	4.61	4.54	4.43	4.25	4.06	3.81	3.53	3.26	2.98	2.69	2.39	2.10	1.82	1.55	1.33	1.14	0.95	0.80
-60	6.06	6.02	5.81	5.51	5.18	4.79	4.36	3.97	3.59	3.14	2.73	2.34	1.95	1.62	1.34	1.11	0.86	0.78
-55	8.53	8.44	8.18	7.75	7.24	6.69	6.09	5.45	4.85	4.27	3.67	3.11	2.57	2.08	1.67	1.34	1.02	0.82
-50	10.9	10.7	10.2	9.61	8.87	8.13	7.31	6.45	5.66	4.93	4.14	3.45	2.78	2.20	1.72	1.33	0.94	0.82
-45	15.1	14.8	14.1	13.2	12.1	11.0	9.84	8.66	7.48	6.45	5.43	4.45	3.57	2.80	2.15	1.63	1.17	0.87
-40	19.2	18.4	17.3	15.9	14.4	12.9	11.4	9.91	8.44	7.22	5.87	4.72	3.70	2.86	2.14	1.59	1.02	0.87
-35	31.9	28.8	24.2	20.4	17.5	15.3	13.5	11.9	10.1	8.48	7.03	5.56	4.35	3.33	2.48	1.80	1.20	0.82
-30	42.8	35.6	27.7	22.6	18.7	16.1	14.2	12.5	10.5	8.60	6.94	5.36	4.13	3.09	2.22	1.54	0.86	0.70
-25	97.9	76.0	48.7	30.5	22.1	17.7	14.9	13.1	11.6	9.78	8.02	6.24	4.82	3.62	2.63	1.82	1.14	0.70
-20	139	94.0	51.6	30.1	21.4	16.9	13.8	12.5	11.3	9.47	7.65	5.86	4.51	3.32	2.34	1.52	0.78	0.62
-15	417	289	139	59.2	31.1	20.0	15.6	13.3	12.1	10.9	8.94	6.87	5.22	3.91	2.79	1.84	1.11	0.64
-10	614	358	139	59.2	28.8	19.2	15.3	13.0	12.0	10.8	8.65	6.38	4.82	3.57	2.47	1.52	0.75	0.58
-5	1574	946	349	104	46.4	24.4	17.6	14.4	12.7	11.6	9.63	7.36	5.48	4.10	2.93	1.86	1.09	0.60
0	2179	991	273	86.4	40.5	22.7	17.4	14.1	12.5	11.1	8.91	6.65	4.95	3.63	2.51	1.52	0.74	0.57
5	1704	1006	352	104	47.6	24.3	17.6	14.4	12.5	11.4	9.53	7.32	5.42	4.03	2.88	1.83	1.06	0.57
10	830	416	137	60.6	30.1	19.0	15.2	12.8	11.6	10.4	8.52	6.29	4.69	3.45	2.38	1.45	0.71	0.53
15	521	332	135	56.5	30.0	18.4	14.6	12.2	11.2	10.2	8.59	6.68	4.98	3.68	2.59	1.68	0.96	0.51
20	92.6	68.2	44.1	25.3	17.5	14.3	11.8	10.6	9.92	8.79	7.29	5.52	4.17	2.99	2.04	1.27	0.60	0.44
25	64.7	52.5	37.1	23.9	16.9	13.5	11.7	10.2	9.60	8.44	7.13	5.60	4.19	3.07	2.12	1.38	0.75	0.36
30	29.5	24.3	18.6	15.1	13.2	11.1	9.96	9.31	8.36	7.02	5.87	4.41	3.29	2.34	1.55	0.95	0.38	0.26
35	23.7	21.3	17.2	13.9	12.3	10.7	9.64	8.82	7.92	6.75	5.66	4.39	3.28	2.39	1.64	1.03	0.53	0.22
40	16.7	15.0	12.8	11.1	10.1	9.41	8.62	7.67	6.56	5.55	4.49	3.41	2.56	1.82	1.19	0.72	0.27	0.18
45	14.2	13.4	11.9	10.4	9.33	8.52	7.77	6.98	6.04	5.13	4.23	3.31	2.52	1.85	1.27	0.80	0.42	0.18
50	11.3	10.7	9.77	8.82	7.91	7.04	6.32	5.55	4.77	3.99	3.22	2.56	1.94	1.40	0.94	0.59	0.26	0.18
55	8.95	8.60	8.07	7.39	6.72	6.02	5.37	4.76	4.13	3.53	2.91	2.35	1.83	1.37	0.97	0.64	0.37	0.20
60	6.30	6.11	5.84	5.41	4.98	4.49	3.93	3.44	3.01	2.56	2.13	1.73	1.35	1.00	0.72	0.48	0.27	0.21
65	4.76	4.60	4.42	4.16	3.88	3.54	3.18	2.82	2.49	2.18	1.83	1.52	1.22	0.95	0.71	0.51	0.34	0.23
70	3.08	2.94	2.82	2.68	2.53	2.32	2.13	1.94	1.73	1.50	1.28	1.07	0.87	0.69	0.53	0.40	0.28	0.24
75	2.02	1.96	1.88	1.80	1.73	1.61	1.50	1.38	1.26	1.12	0.99	0.85	0.72	0.60	0.49	0.40	0.32	0.26
80	0.96	0.91	0.89	0.86	0.84	0.81	0.77	0.73	0.68	0.63	0.58	0.53	0.47	0.42	0.38	0.34	0.29	0.27
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 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: