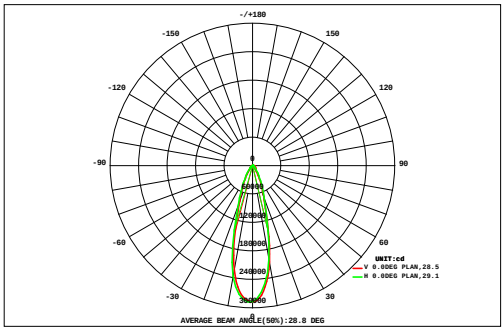
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		2638.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	62.2V x 59.4H
	At 50% of Imax	29.1V x 28.5H
	At 90% of Imax	12.9V x 12.8H
Beam Flux	Total	999.1 lumens per klm.
	To 10% of Imax	775.0 lumens per klm.
	To 50% of Imax	388.6 lumens per klm.
	To 90% of Imax	96.6 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:156.20lm/W	
MODEL		Imax(cd)	287972
NOMINAL POWER(W)	700	AVAILABILITY(%)	77.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	84709
NOMINAL FLUX(lm)	109129	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	109129
TEST VOLTAGE(V)	220	q @50%(H,V)	28,29DEG

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	1.87	10.5	26.5	47.6	71.5	97.2	122	144	158	159	146	124	98.8	72.8	49.2	28.0	11.4	2.08	1371	0.00
50	1.90	11.5	29.0	51.9	80.3	116	157	205	246	250	214	162	118	82.0	53.2	30.3	12.3	2.06	1822	0.00
40	2.11	13.2	33.3	60.0	98.8	151	249	434	623	643	478	279	159	101	61.5	34.2	13.7	2.18	3436	243
30	2.31	14.7	37.2	69.5	119	205	475	1029	1582	1640	1137	560	233	121	70.4	37.3	14.8	2.27	7351	5133
20	2.43	15.8	40.3	78.4	138	292	882	2136	4159	4362	2401	1032	353	141	77.9	39.8	15.7	2.37	16169	14537
10	2.44	16.3	42.0	83.4	150	365	1191	3525	7527	7752	4042	1395	447	156	82.3	41.2	16.2	2.45	26836	25341
0	2.37	16.2	41.7	83.0	149	356	1142	3237	6943	7177	3709	1349	437	157	82.9	41.6	16.4	2.52	24942	23434
-10	2.23	15.4	39.7	77.5	138	278	799	1861	3302	3453	2064	950	340	145	80.0	41.0	16.3	2.59	13603	11871
-20	2.00	14.1	36.5	69.1	122	206	437	908	1368	1411	1005	521	238	131	75.4	40.2	16.3	2.70	6603	4150
-30	1.75	12.7	32.9	60.7	103	163	258	414	568	587	454	291	180	115	69.4	38.5	15.8	2.70	3367	0.00
-40	1.60	11.2	29.1	53.2	84.8	127	176	224	261	266	234	186	139	95.4	61.5	34.8	14.5	2.53	2002	0.00
-50	1.53	9.54	24.8	44.8	68.6	95.3	124	149	164	166	153	131	103	76.0	51.0	29.1	12.1	2.21	1405	0.00
-60	0.30	1.68	4.38	7.77	11.9	15.9	19.4	22.4	24.3	24.5	23.0	20.3	16.9	13.0	8.74	5.02	2.08	0.40	222	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
F t	24.8	163	417	787	1336	2469	6030	14288	26925	27888	16061	7000	2863	1406	824	441	178	29.1	109129	---
F a	0.00	0.00	0.00	0.00	0.00	0.00	3251	12149	24933	25918	13958	4470	30.5	0.00	0.00	0.00	0.00	0.00	---	84709

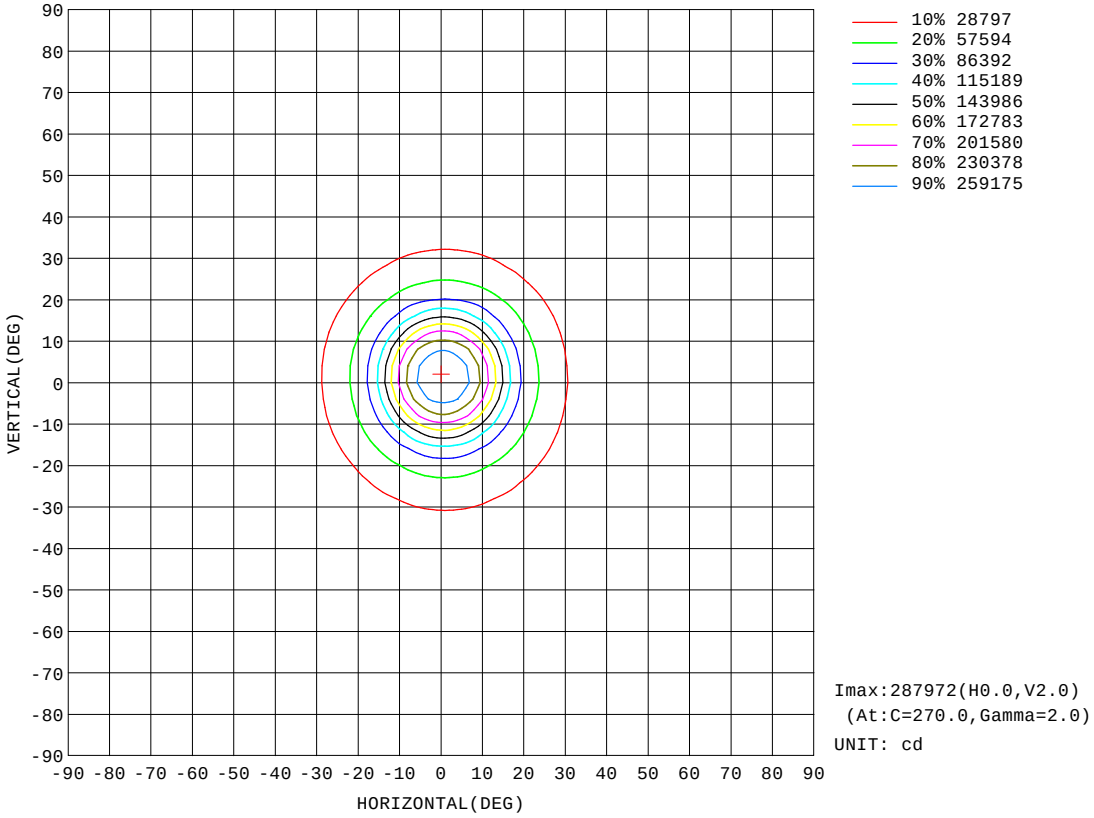
one-half-peak spread: U:15.4,D:13.9 , L:13.6,R:15.0 NEMA Beam Type: Type 4

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:-60 - 60DEG
V(B) Interval: 2.0DEG
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:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

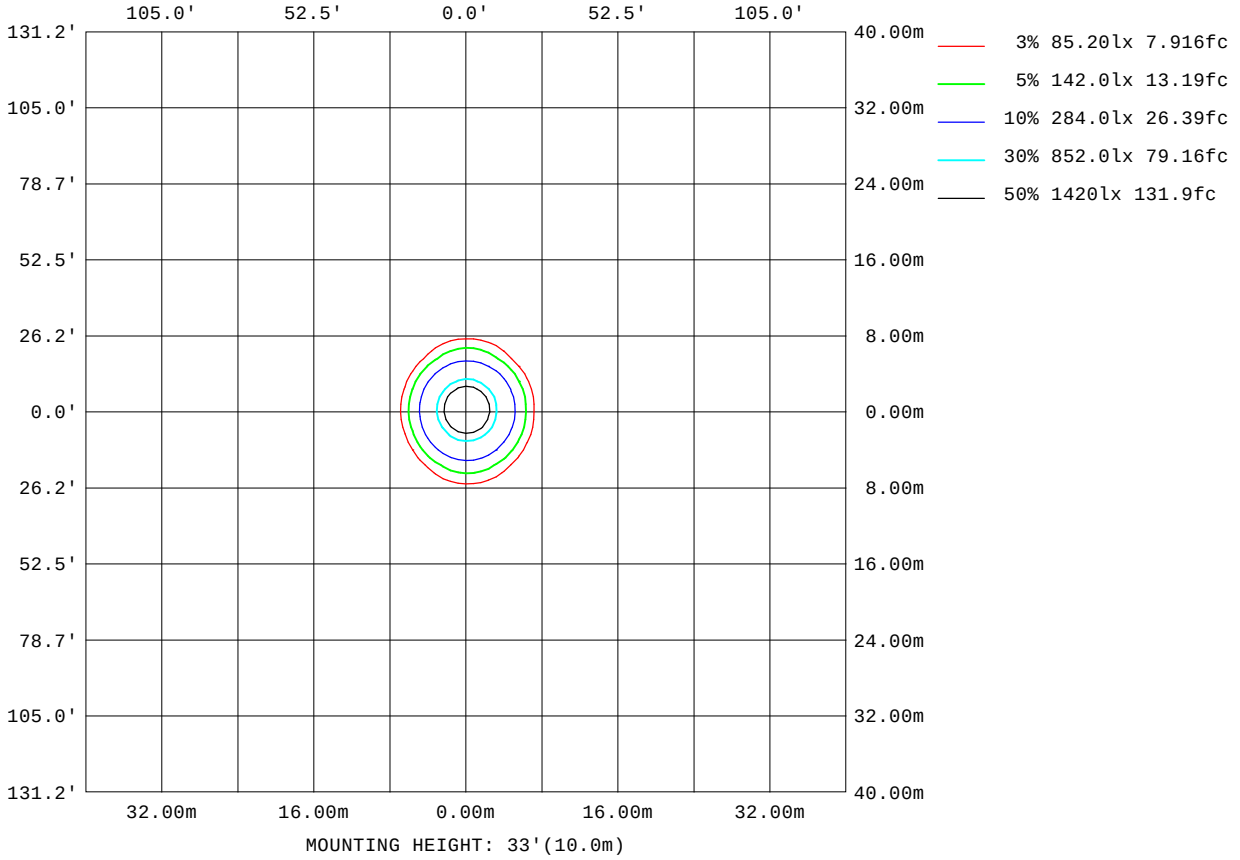


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

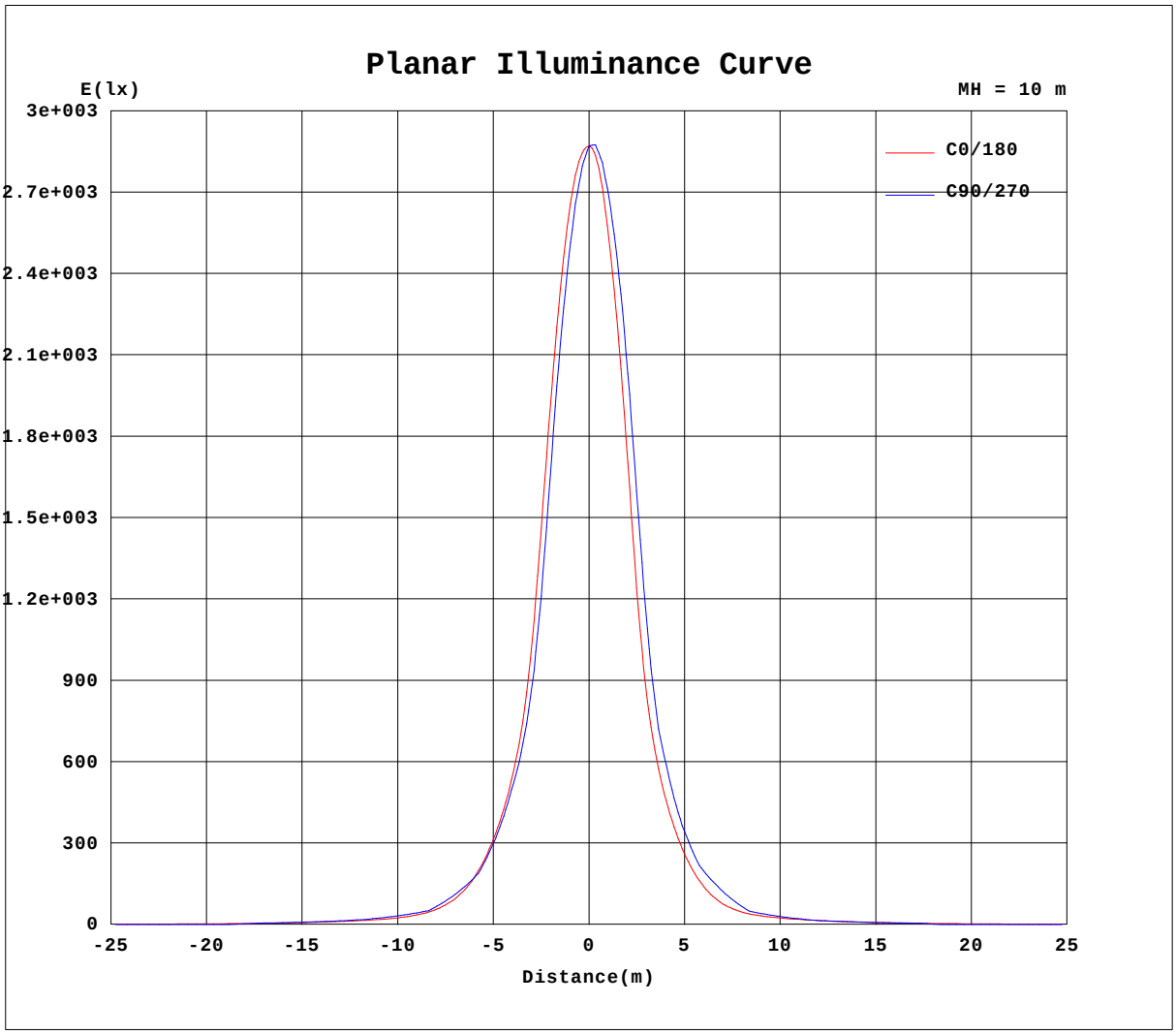
Test:U:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



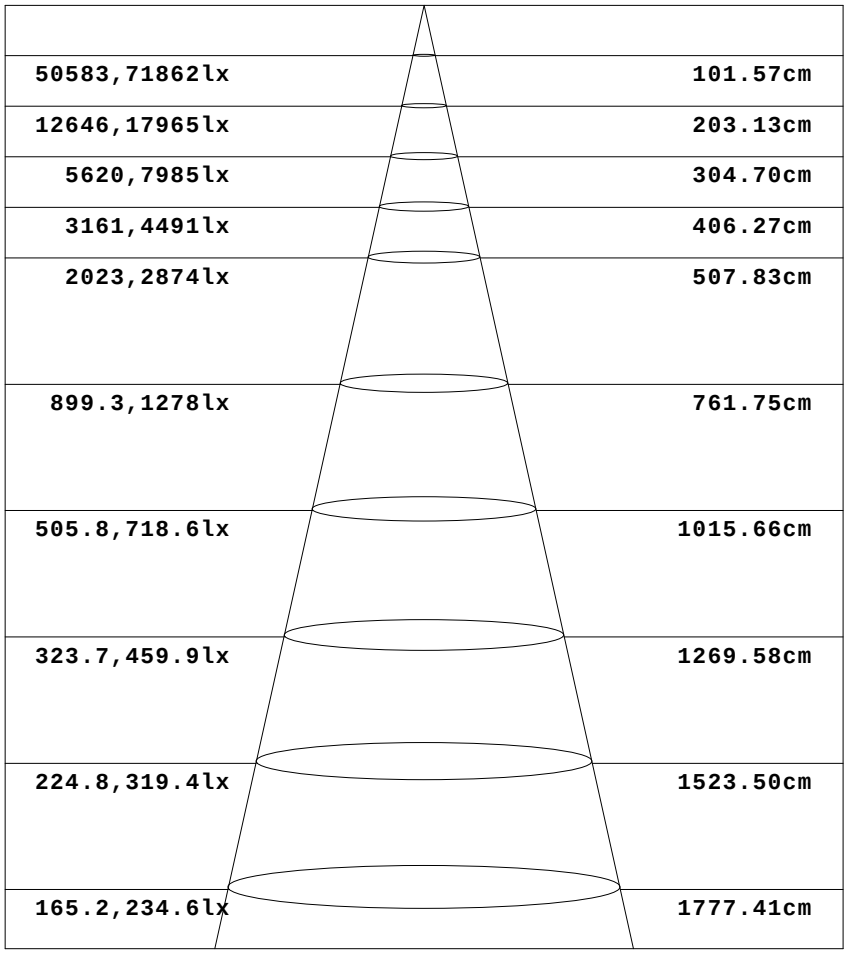
H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:16 September 2020

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
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:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:42514 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:-60 - 60DEG
H(b) Interval: 1.0DEG	V(B) Interval: 2.0DEG
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 September 2020	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	4.26	4.98	7.09	10.5	14.2	17.3	19.9	22.7	25.7	28.4	30.7	32.9	35.0	36.8	38.6	40.2	41.5	42.6	43.1
-55	4.05	4.92	7.47	11.5	15.4	18.8	21.8	24.9	28.1	31.1	34.1	37.2	40.3	43.3	46.2	48.7	50.8	52.3	53.1
-50	3.73	4.83	8.05	13.0	17.2	20.9	24.6	28.3	31.8	35.2	39.1	43.6	48.3	53.0	57.5	61.5	64.8	67.0	68.0
-45	3.44	4.77	8.54	13.7	18.1	22.1	26.1	29.9	33.8	38.4	43.6	49.4	55.6	61.8	68.1	74.4	80.1	84.5	86.6
-40	3.00	4.68	9.28	14.8	19.5	23.9	28.3	32.4	36.9	43.1	50.4	58.3	66.5	74.8	83.9	93.6	103	111	114
-35	2.85	4.85	9.83	15.5	20.4	25.0	29.5	34.0	39.6	46.6	54.8	63.8	74.6	89.5	109	133	157	176	185
-30	2.63	5.11	10.7	16.5	21.7	26.7	31.4	36.3	43.6	51.9	61.3	72.2	86.7	111	148	192	238	275	292
-25	2.63	5.47	11.3	17.3	22.6	27.9	32.7	38.4	46.5	55.4	65.4	78.4	101	143	204	280	356	413	438
-20	2.70	6.08	12.0	18.3	23.9	29.4	34.6	41.5	50.2	59.9	71.3	90.0	133	208	318	446	573	675	724
-15	2.79	6.36	12.5	18.9	24.7	30.4	35.8	43.5	52.6	62.8	75.6	102	162	266	411	586	776	957	1057
-10	2.96	6.61	13.0	19.6	25.6	31.5	37.3	45.8	55.4	66.2	81.7	121	207	351	549	823	1263	1774	2002
-5	3.14	6.75	13.3	19.9	26.1	32.0	38.1	46.8	56.8	67.9	85.3	131	231	394	626	1000	1685	2279	2504
0	3.46	6.92	13.5	20.2	26.3	32.4	38.6	47.6	57.7	69.1	88.1	139	250	428	693	1203	2062	2659	2871
5	3.62	7.07	13.5	20.2	26.3	32.3	38.5	47.4	57.6	68.8	87.8	138	247	425	688	1177	2024	2610	2831
10	3.88	7.15	13.4	20.0	25.9	31.8	37.7	46.1	55.9	66.6	83.2	125	220	378	597	933	1555	2148	2371
15	4.02	7.20	13.3	19.7	25.5	31.2	36.9	44.8	54.2	64.2	78.7	114	192	327	509	748	1108	1540	1750
20	4.17	7.13	12.8	19.0	24.5	30.0	35.1	42.0	50.5	59.6	70.5	93.4	143	235	361	508	663	798	869
25	4.21	7.05	12.5	18.4	23.7	29.0	33.8	39.9	47.8	56.2	65.6	82.0	116	178	270	379	485	569	611
30	4.21	6.76	11.6	17.3	22.3	27.3	31.7	36.4	43.1	50.4	58.0	67.4	84.0	113	156	212	270	315	335
35	4.19	6.56	11.1	16.5	21.3	26.0	30.3	34.5	40.1	46.7	53.5	61.6	73.9	94.3	123	162	201	232	245
40	4.15	6.25	10.3	15.3	19.8	24.0	28.1	31.6	35.6	41.0	46.8	52.8	58.8	65.8	74.8	86.1	97.7	107	111
45	4.15	6.05	9.73	14.4	18.7	22.7	26.6	30.0	33.5	38.0	42.8	47.9	53.0	58.6	65.3	73.2	81.0	86.9	89.7
50	4.17	5.76	8.90	13.1	17.0	20.6	24.2	27.5	30.4	33.3	36.8	40.6	44.3	47.8	51.1	53.9	56.0	57.6	58.3
55	4.22	5.62	8.38	12.1	15.9	19.2	22.4	25.5	28.4	31.1	33.9	36.9	39.8	42.5	45.1	47.4	49.2	50.4	51.0
60	4.30	5.42	7.62	10.6	14.1	17.0	19.6	22.5	25.3	27.7	29.6	31.4	33.1	34.6	36.2	37.7	38.9	39.8	40.1
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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:-60 - 60DEG
V(B) Interval: 2.0DEG
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:220.8V I:3.164A P:698.7W PF:0.9542 Freq:59.98Hz Lamp Flux:109129x1 lm		
NAME: ITSP2700304000	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-60	43.0	42.4	41.4	40.0	38.5	36.9	35.2	33.2	31.1	28.6	25.6	22.7	19.9	16.9	13.3	9.25	7.01	5.73
-55	52.9	51.9	50.3	48.1	45.7	43.0	40.2	37.2	34.4	31.5	28.4	25.2	21.9	18.5	14.7	10.3	7.32	5.86
-50	67.7	66.2	63.6	60.3	56.4	52.2	47.7	43.3	39.4	36.0	32.6	29.0	24.9	21.0	16.8	11.8	7.77	6.05
-45	86.0	82.8	77.9	71.9	65.7	59.8	54.0	48.4	43.2	38.5	34.5	30.7	26.4	22.1	17.7	12.5	7.93	6.00
-40	113	108	99.3	89.4	79.6	71.2	63.4	55.9	48.8	42.3	37.5	33.3	28.7	23.9	19.1	13.6	8.16	5.92
-35	182	167	146	122	100	82.7	69.9	60.3	52.2	44.9	38.9	34.2	29.5	24.5	19.5	13.9	8.21	5.57
-30	285	257	215	171	131	100.0	79.6	66.8	57.4	48.8	41.1	35.6	30.7	25.3	20.0	14.2	8.29	5.04
-25	425	379	310	236	171	121	88.9	70.7	59.7	50.6	42.2	35.9	30.9	25.5	20.1	14.2	8.24	4.60
-20	701	613	493	368	252	165	109	78.4	63.2	53.2	44.2	36.7	31.3	25.9	20.1	14.2	8.08	3.93
-15	1001	835	647	472	320	200	125	84.0	65.1	54.5	45.2	37.1	31.5	26.0	20.1	14.1	7.80	3.60
-10	1861	1417	934	636	421	257	150	94.1	68.1	56.1	46.4	37.8	31.8	26.2	20.1	14.0	7.58	3.27
-5	2356	1857	1165	725	468	284	163	98.9	69.5	56.8	47.0	38.1	31.9	26.3	20.2	13.9	7.42	3.34
0	2732	2234	1427	807	509	307	174	103	70.6	57.1	47.3	38.4	31.8	26.3	20.1	13.8	7.26	3.24
5	2685	2186	1390	792	499	301	171	102	69.9	56.6	46.9	38.1	31.7	26.2	19.9	13.7	7.14	3.17
10	2228	1736	1083	688	447	271	156	95.2	67.4	55.2	45.8	37.4	31.2	25.8	19.7	13.5	7.07	3.11
15	1627	1238	843	580	385	235	139	87.5	64.5	53.4	44.6	36.5	30.7	25.4	19.4	13.3	6.93	3.09
20	835	717	566	414	280	176	111	76.3	59.8	50.5	42.5	35.0	29.8	24.6	18.8	12.9	6.82	3.15
25	591	519	418	309	212	139	93.0	68.6	56.2	47.9	40.5	33.8	29.0	23.9	18.4	12.6	6.74	3.22
30	326	291	238	181	132	95.9	72.7	59.4	51.0	44.1	37.4	32.0	27.8	22.9	17.7	12.1	6.67	3.40
35	240	215	180	141	107	81.7	65.0	54.6	47.4	41.2	35.4	30.8	26.7	22.0	17.1	11.6	6.62	3.56
40	109	102	92.0	80.0	69.2	60.4	53.4	47.5	42.0	36.7	32.3	28.9	25.1	20.6	16.1	10.9	6.56	3.81
45	88.6	84.1	77.0	68.7	60.8	54.2	48.6	43.5	38.8	34.4	30.7	27.5	23.7	19.6	15.4	10.5	6.48	3.94
50	57.9	56.6	54.5	51.6	48.4	44.9	41.4	37.6	34.0	30.9	28.2	25.3	21.7	18.1	14.2	9.85	6.35	4.13
55	50.7	49.6	47.9	45.6	43.0	40.3	37.6	34.6	31.6	29.0	26.3	23.5	20.3	16.9	13.2	9.33	6.23	4.25
60	39.8	39.1	37.9	36.6	35.0	33.5	31.9	30.1	28.2	26.0	23.5	20.7	18.1	15.2	11.6	8.55	6.06	4.42
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	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
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:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks: