

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

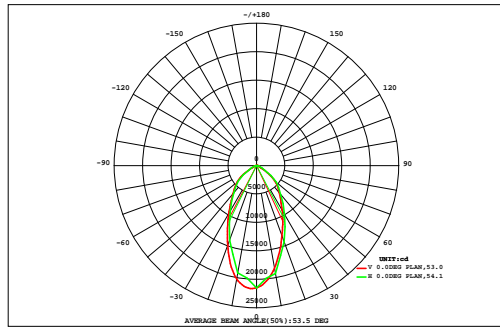
Maximum Intensity (Luminaire orientation as tested.)		868.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	115.6V x 115.0H 54.1V x 53.0H 18.9V x 19.2H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	999.5 lumens per klm. 928.5 lumens per klm. 407.7 lumens per klm. 60.1 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 October 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:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.4V I:0.8696A P:198.5W PF:0.9865 Freq:49.99Hz Lamp Flux:24904.9x1 lm		
NAME: FL200W-06-G7-60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:125.47lm/W	
MODEL		Imax(cd)	21620
NOMINAL POWER(W)	200	AVAILABILITY(%)	93.3
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	23229
NOMINAL FLUX(lm)	24904.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	24905
TEST VOLTAGE(V)	230	q @50%(H,V)	53,54DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		F t	F a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
80	0.18	0.64	1.41	2.60	4.08	5.98	7.85	9.29	9.90	9.97	9.81	8.70	6.91	4.89	3.17	1.77	0.78	0.20	88.1	0.00
70	0.14	0.71	2.14	4.54	7.65	11.6	16.1	21.7	26.2	27.7	25.4	19.5	13.6	9.06	5.51	2.73	0.97	0.17	195	0.00
60	0.14	0.97	3.27	7.22	13.0	24.8	43.5	64.5	78.7	82.0	73.1	55.0	35.1	18.1	8.80	4.09	1.34	0.19	514	266
50	0.15	1.26	4.45	10.3	25.3	60.8	103	138	157	161	148	119	78.9	39.4	14.6	5.54	1.73	0.22	1069	966
40	0.16	1.56	5.60	15.5	52.1	105	153	194	223	230	209	169	121	71.7	26.2	7.20	2.08	0.25	1586	1519
30	0.17	1.82	6.61	25.0	79.2	137	200	268	325	343	304	232	156	97.0	41.8	9.29	2.39	0.29	2229	2178
	0.19	2.03	7.54	35.0	96.5	160	247	354	459	496	425	300	190	114	53.7	11.6	2.65	0.32	2954	2911
	0.21	2.17	8.31	41.0	105	174	279	422	571	623	524	350	210	123	60.5	13.2	2.84	0.36	3509	3470
	0.22	2.23	8.69	42.1	106	177	284	432	582	631	530	352	211	123	61.1	13.3	2.94	0.38	3558	3520
	0.23	2.21	8.36	37.4	98.2	165	257	372	482	515	435	305	193	116	56.1	11.9	2.96	0.40	3058	3016
	0.24	2.11	7.66	29.3	82.9	144	213	288	347	361	315	240	163	102	44.3	9.86	2.86	0.40	2352	2304
-30	0.24	1.92	6.68	19.8	58.8	112	164	210	240	245	222	180	129	79.2	28.1	8.33	2.65	0.39	1707	1644
-40	0.24	1.67	5.53	13.0	32.5	69.9	111	143	162	164	151	124	86.8	44.3	15.2	6.95	2.31	0.36	1134	1037
-50	0.23	1.37	4.24	9.23	16.0	31.1	55.9	80.0	94.5	97.2	87.8	66.4	39.6	18.0	10.6	5.38	1.88	0.33	620	400
-60	0.22	1.08	2.94	6.03	10.0	13.7	16.5	21.6	26.9	27.9	23.7	17.2	13.2	10.9	7.30	3.72	1.42	0.30	205	0.00
-70	0.21	0.82	1.82	3.30	5.13	7.63	9.79	10.9	10.5	10.4	10.7	10.1	8.47	6.05	4.00	2.25	1.02	0.26	103	0.00
-80	0.11	0.35	0.63	0.92	1.28	1.65	2.00	2.22	2.36	2.47	2.33	2.03	1.64	1.30	0.96	0.64	0.37	0.11	23.4	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	3.30	24.9	85.9	302	793	1401	2161	3032	3797	4026	3497	2551	1656	978	442	118	33.2	4.92	24905	---
F a	0.00	0.00	0.00	136	661	1280	2061	2927	3681	3907	3391	2458	1547	867	303	9.28	0.00	0.00	---	23229

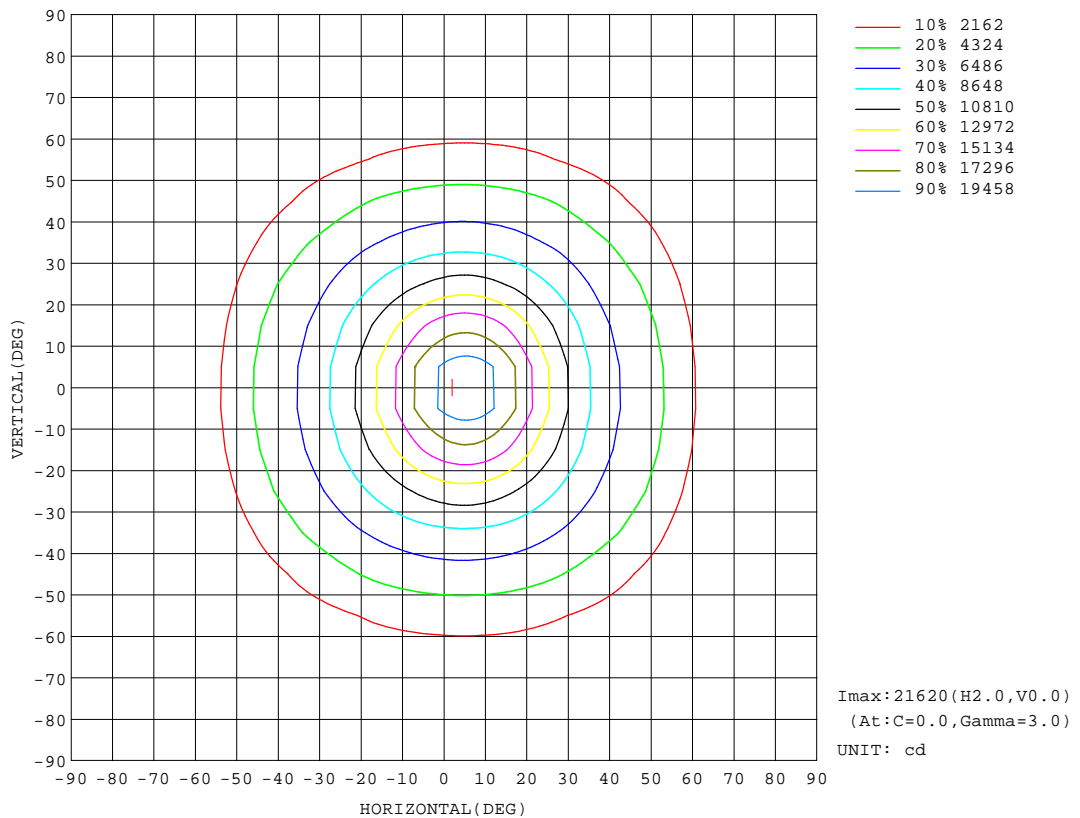
one-half-peak spread: U:28.0,D:26.6 , L:27.5,R:25.9 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 October 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:231.4V I:0.8696A P:198.5W PF:0.9865 Freq:49.99Hz Lamp Flux:24904.9x1 lm		
NAME: FL200W-06-G7-60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

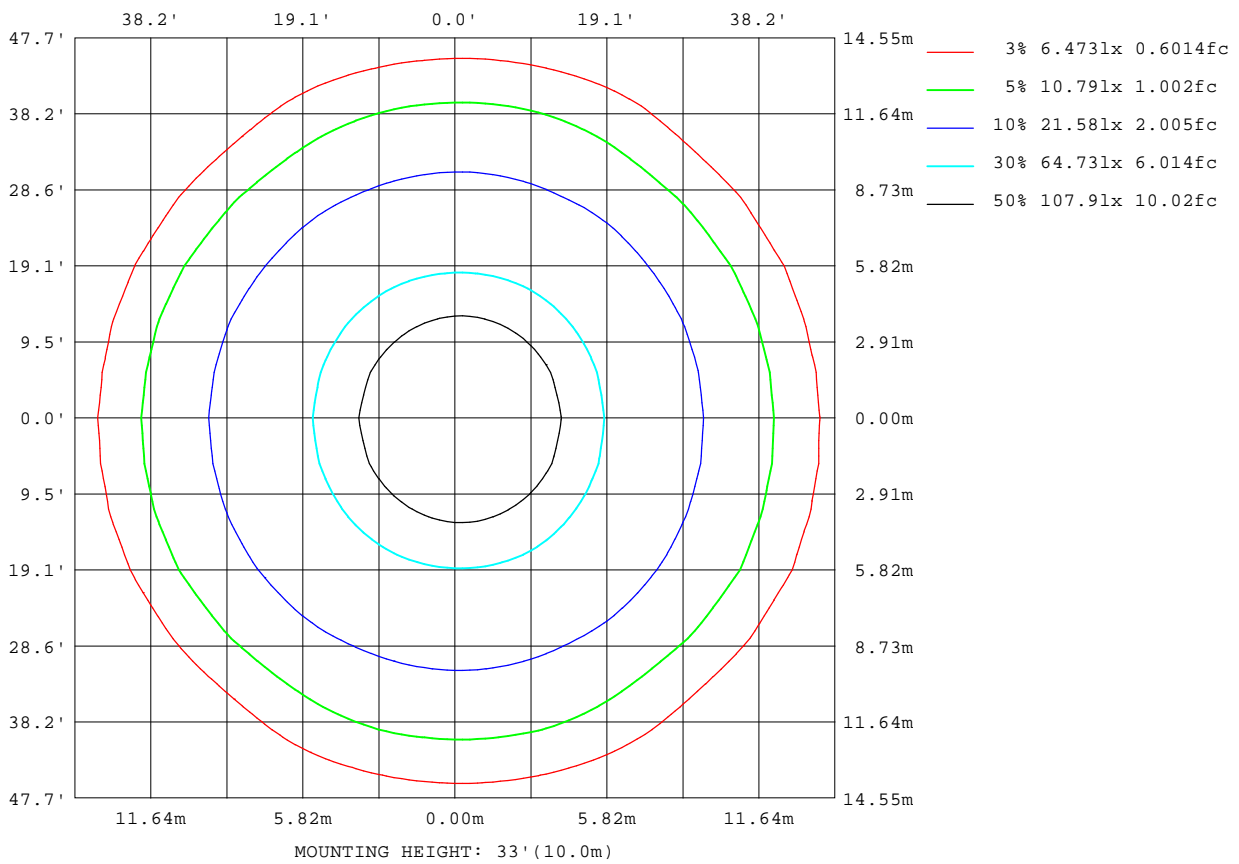


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 Remarks:

ISOLUX DIAGRAM

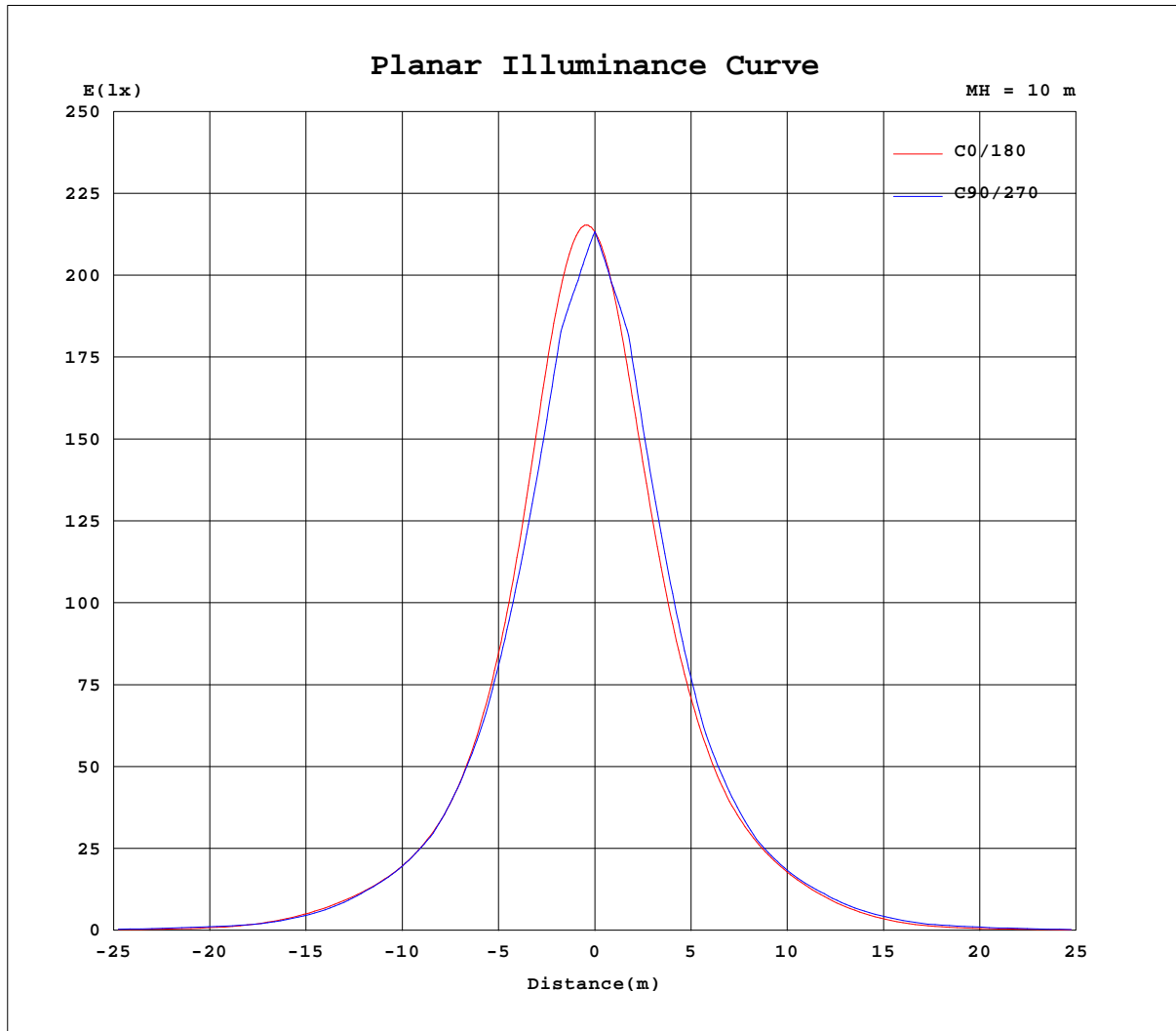
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Test Speed: HIGH
Temperature:25.3DEG
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Test Date:19 October 2023

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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
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Remarks:

Planar Illuminance Curve



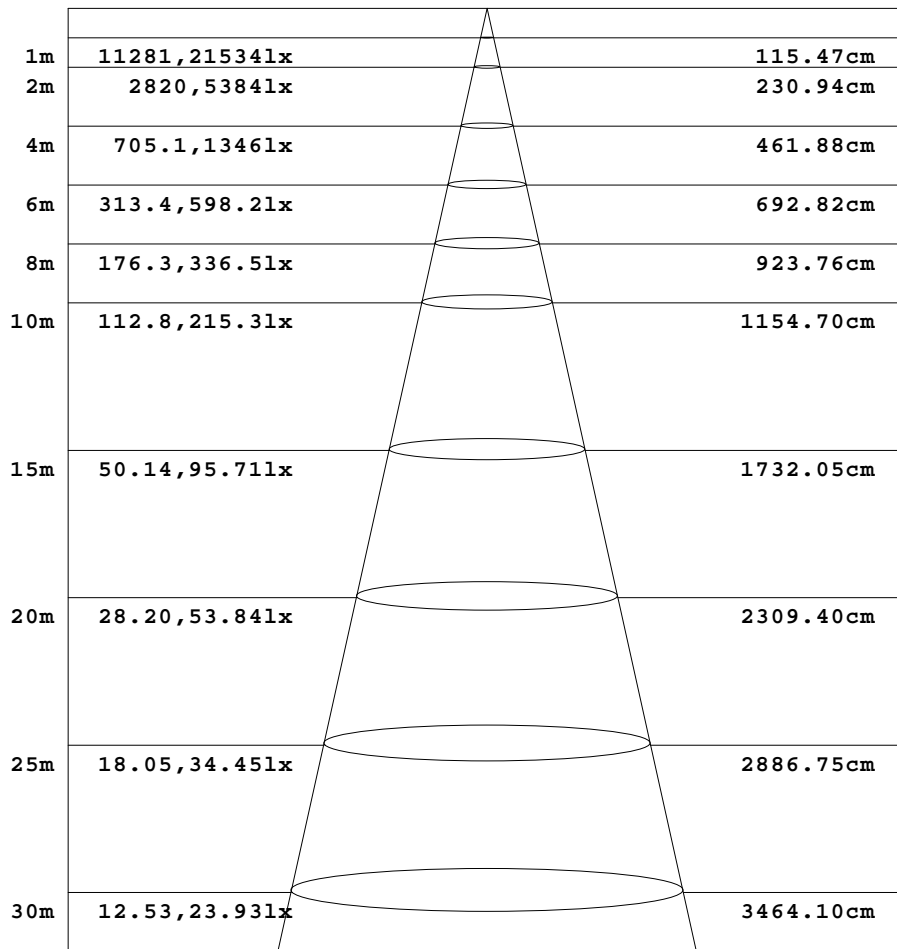
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Test Speed: HIGH
Temperature:25.3DEG
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V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
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Remarks:

AAI Figure

Test:U:231.4V I:0.8696A P:198.5W PF:0.9865 Freq:49.99Hz Lamp Flux:24904.9x1 lm		
NAME: FL200W-06-G7-60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:11813 lm



Height Eavg, Emax Angle:60.00deg Diameter

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:19 October 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]
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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.4V I:0.8696A P:198.5W PF:0.9865 Freq:49.99Hz Lamp Flux:24904.9x1 lm		
NAME: FL200W-06-G7-60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

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	7.19	7.72	8.46	9.12	9.93	10.9	11.9	13.1	14.3	15.7	17.2	19.0	20.3	21.7	22.9	23.6	24.1	24.5	24.9
-75	6.86	7.33	8.26	9.53	11.2	13.2	15.5	18.2	20.7	23.2	26.5	30.2	33.4	36.1	38.6	40.6	41.8	42.3	42.5
-70	7.02	7.92	9.58	11.8	14.9	18.1	22.4	26.4	30.1	34.5	40.5	45.5	49.7	53.5	56.9	59.2	60.3	60.4	60.8
-65	6.63	7.25	8.82	11.6	15.6	20.4	25.8	32.0	38.1	44.3	51.5	58.9	65.7	73.0	81.7	92.0	102	109	114
-60	6.83	8.10	11.2	15.9	22.1	28.7	36.5	44.9	53.5	62.8	71.7	80.5	90.2	103	119	137	152	164	170
-55	6.36	7.05	9.46	14.2	20.9	28.9	38.1	48.5	59.6	71.9	90.2	118	152	187	222	255	280	299	310
-50	6.49	8.09	12.8	20.0	28.9	39.9	52.0	65.1	79.8	101	140	195	256	314	367	406	432	448	456
-45	5.99	6.66	10.1	16.8	26.0	37.2	50.6	65.9	87.3	127	185	253	319	380	437	483	516	541	555
-40	6.01	8.09	14.7	24.2	35.7	50.3	67.2	89.2	137	220	311	391	456	516	566	603	633	653	664
-35	5.48	6.13	10.6	19.2	30.6	44.4	61.9	87.2	142	232	332	419	494	567	637	698	749	790	818
-30	5.43	7.97	16.1	27.4	41.0	59.0	82.9	142	251	365	461	540	619	705	783	856	918	964	989
-25	4.92	5.50	10.8	21.1	33.9	49.4	71.8	121	225	346	453	541	628	730	835	938	1038	1127	1189
-20	4.79	7.93	17.2	29.9	43.9	65.3	107	214	347	460	553	644	756	882	1009	1142	1269	1372	1427
-15	4.40	4.85	10.8	22.1	35.9	51.9	80.3	159	294	421	523	618	728	867	1017	1183	1358	1521	1640
-10	4.25	7.61	17.4	30.9	44.8	68.9	129	262	400	509	606	715	861	1029	1219	1433	1649	1828	1927
-5	3.94	4.29	10.6	22.4	36.4	52.3	85.9	184	329	455	556	658	786	951	1139	1358	1597	1823	1986
0	3.80	7.20	17.2	31.1	44.2	70.2	139	280	417	525	626	744	904	1092	1313	1568	1826	2036	2148
5	3.59	3.90	10.0	21.7	35.6	51.0	84.1	181	326	451	553	654	781	945	1132	1350	1589	1817	1980
10	3.49	6.61	16.1	29.5	42.5	66.0	125	256	392	502	599	706	849	1016	1205	1418	1635	1815	1914
15	3.35	3.67	9.25	20.2	33.6	48.2	75.5	153	286	411	514	606	714	850	998	1161	1335	1498	1617
20	3.31	6.13	14.9	27.2	39.8	59.8	99.7	205	336	447	539	628	736	859	983	1112	1237	1338	1393
25	3.32	3.59	8.37	18.2	30.3	44.1	64.7	112	214	333	436	520	603	700	801	900	996	1081	1140
30	3.39	5.55	12.9	23.6	35.8	51.9	73.0	131	238	347	436	510	583	664	738	805	862	903	925
35	3.54	3.70	7.51	15.6	26.1	38.2	53.6	76.1	130	219	314	396	466	533	600	656	704	742	767
40	3.70	5.12	11.0	19.8	30.1	42.6	56.2	76.1	124	206	294	368	429	485	532	567	595	614	624
45	3.92	4.03	6.78	12.9	21.2	30.8	42.3	54.8	74.0	113	171	236	300	358	411	455	485	507	520
50	4.15	4.94	9.08	15.6	23.4	32.7	42.6	52.8	64.8	85.5	126	183	242	296	346	381	404	418	424
55	4.39	4.47	6.14	10.2	16.2	23.1	31.0	39.2	47.9	58.2	75.6	103	137	171	205	237	261	278	288
60	4.63	5.10	7.60	11.7	17.1	22.9	29.2	35.8	42.4	49.2	56.3	64.4	73.8	87.0	105	124	141	153	158
65	4.85	4.89	5.73	8.03	11.5	15.7	20.3	25.3	30.2	35.0	40.3	46.1	52.1	59.0	67.9	78.5	88.7	96.0	100
70	5.06	5.26	6.40	8.24	11.0	13.8	17.3	20.6	23.8	26.8	31.3	35.1	38.3	41.2	43.6	45.5	46.1	45.5	45.3
75	5.24	5.25	5.56	6.46	7.80	9.55	11.5	13.6	15.8	17.7	20.0	22.9	25.3	27.4	29.2	30.8	31.6	31.8	31.6
80	5.40	5.46	5.75	6.16	6.72	7.44	8.18	9.26	10.2	11.1	12.3	13.6	14.9	15.9	16.8	17.2	17.5	17.8	17.9
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:19 October 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:231.4V I:0.8696A P:198.5W PF:0.9865 Freq:49.99Hz Lamp Flux:24904.9x1 lm		
NAME: FL200W-06-G7-60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

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	25.3	25.4	25.2	24.6	23.6	22.5	21.0	19.5	18.2	17.0	15.6	14.1	12.9	11.8	10.8	9.87	9.01	8.44
-75	43.1	43.7	43.9	43.0	41.4	39.3	36.7	33.8	30.5	27.6	24.9	21.9	18.9	16.3	13.8	11.7	10.0	8.92
-70	61.6	62.4	61.5	59.6	56.7	53.1	49.0	44.3	39.1	35.0	30.6	26.1	21.6	17.8	14.3	11.5	9.58	8.58
-65	116	114	109	100	89.8	80.1	71.9	65.0	58.0	51.2	44.6	37.8	31.0	24.8	19.3	14.6	11.1	9.21
-60	169	161	147	128	111	96.8	86.5	77.4	68.6	59.6	50.6	41.3	32.7	25.1	18.5	13.3	9.97	8.63
-55	314	308	296	276	248	215	180	142	107	82.7	68.2	56.5	44.8	34.3	25.5	18.0	12.1	9.34
-50	454	444	423	392	345	291	228	163	113	87.1	71.7	57.4	44.0	32.6	23.2	15.2	10.2	8.56
-45	561	553	537	509	470	419	362	299	228	159	104	75.7	58.4	43.4	31.3	21.2	13.0	9.23
-40	661	645	619	584	536	480	423	351	258	159	97.5	72.4	54.2	38.8	27.0	16.7	10.1	8.26
-35	827	816	784	738	680	610	536	466	388	291	185	105	70.8	50.5	35.7	23.8	13.7	8.87
-30	985	951	898	826	743	650	565	490	406	294	164	89.2	61.9	43.1	29.8	18.0	9.68	7.80
-25	1212	1187	1119	1022	912	798	681	583	498	407	287	156	82.0	55.0	38.5	25.4	14.0	8.28
-20	1421	1349	1230	1088	946	805	674	573	484	384	246	115	66.5	45.3	31.2	18.3	8.93	7.26
-15	1686	1646	1522	1343	1150	971	805	667	562	469	358	211	94.5	57.4	39.8	26.1	13.7	7.52
-10	1924	1813	1607	1364	1136	935	762	631	528	430	299	144	70.1	46.0	31.9	18.3	8.25	6.62
-5	2050	2001	1839	1589	1321	1083	880	715	594	496	389	241	103	57.7	39.6	25.7	13.0	6.71
0	2146	2021	1783	1488	1211	980	790	647	539	440	311	151	69.6	45.0	30.8	17.2	7.41	5.92
5	2044	1994	1831	1580	1312	1075	873	709	589	491	383	237	101	55.9	38.2	24.5	12.1	5.92
10	1910	1797	1590	1346	1119	920	749	620	518	420	290	138	66.6	42.9	29.3	16.2	6.76	5.31
15	1662	1621	1497	1316	1125	948	786	651	546	454	343	200	87.6	52.4	35.6	22.6	10.9	5.29
20	1386	1313	1195	1055	916	778	651	552	464	363	230	105	59.2	39.6	26.3	14.4	5.89	4.71
25	1162	1137	1070	976	870	760	647	552	470	381	267	141	71.2	47.3	32.0	20.1	9.58	4.79
30	920	888	837	770	693	605	524	453	374	270	148	75.4	51.5	35.3	23.3	12.5	5.20	4.29
35	775	763	733	688	634	568	497	430	357	266	165	89.3	57.6	40.9	27.8	17.4	8.31	4.45
40	620	605	579	544	499	444	390	323	235	140	80.2	57.4	42.7	29.8	19.7	10.5	4.77	4.12
45	525	517	502	475	439	390	335	275	206	139	86.3	59.3	45.3	33.1	23.1	14.4	7.17	4.41
50	423	413	395	366	322	271	210	146	94.9	68.6	54.4	43.5	32.9	23.7	15.9	8.89	4.82	4.32
55	292	287	275	256	228	195	161	125	89.8	65.4	52.2	42.4	33.3	25.0	17.9	11.5	6.39	4.65
60	157	149	134	114	94.6	78.9	68.0	59.9	52.2	44.8	37.6	30.1	23.4	17.4	12.0	7.50	5.05	4.67
65	102	101	95.4	86.6	75.3	65.1	56.6	50.1	44.0	38.1	33.0	27.7	22.1	17.2	12.8	8.89	5.95	5.00
70	46.0	46.9	47.0	45.5	43.2	40.5	37.1	33.2	28.6	25.3	22.0	18.4	14.7	11.6	8.75	6.50	5.30	5.07
75	31.8	32.3	32.7	32.2	30.9	29.3	27.2	24.8	22.1	19.4	17.4	15.1	12.7	10.6	8.66	6.98	5.73	5.29
80	18.2	18.2	18.0	17.5	16.7	15.8	14.6	13.3	12.2	11.2	10.1	8.94	8.07	7.21	6.48	5.85	5.47	5.33
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:19 October 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: