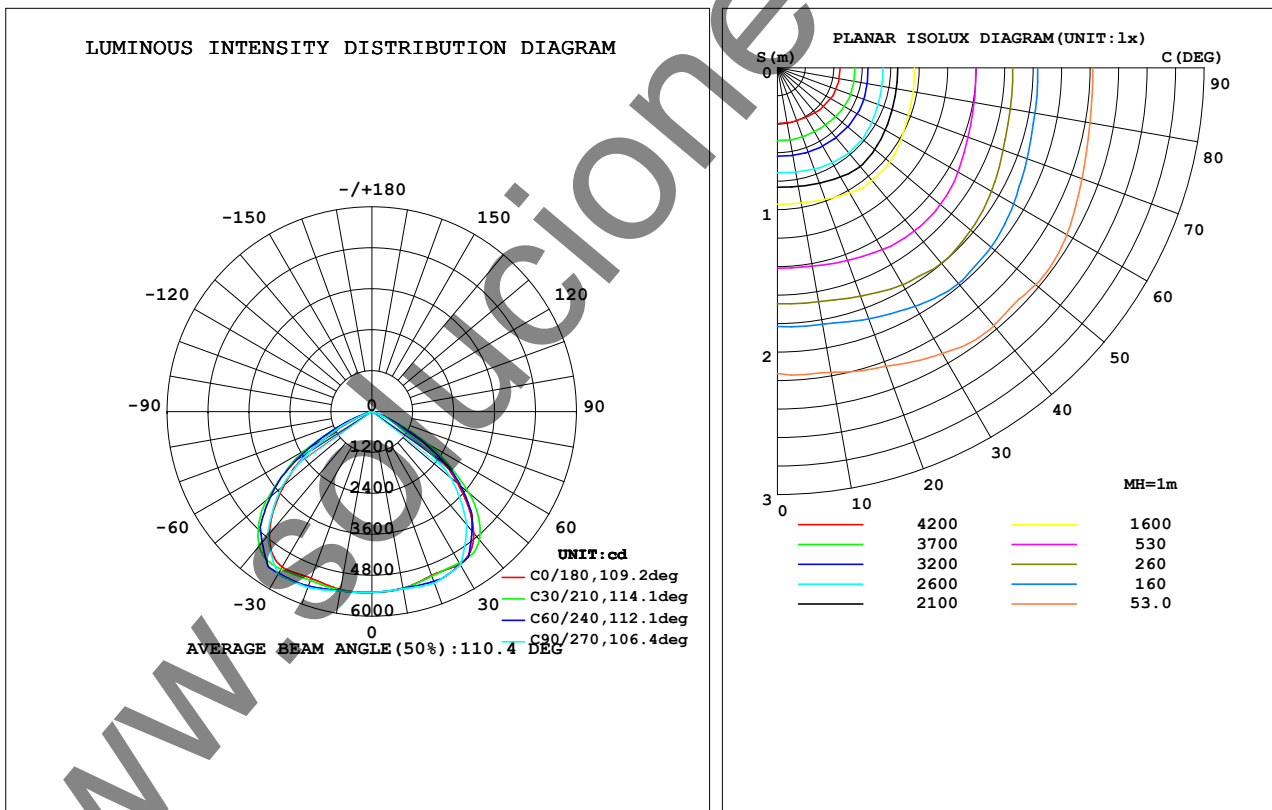


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	LT-T-115E-150W	Imax(cd)	5517	S/MH(C0/180)	1.46
NOMINAL POWER(W)	154	LOR(%)	100.0	S/MH(C90/270)	1.47
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14313	η UP, DN(C0-180)	0.0, 51.7
NOMINAL FLUX(lm)	14313.2	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 48.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220.2	η down(%)	100.0	CIBSE SHR MAX	1.55

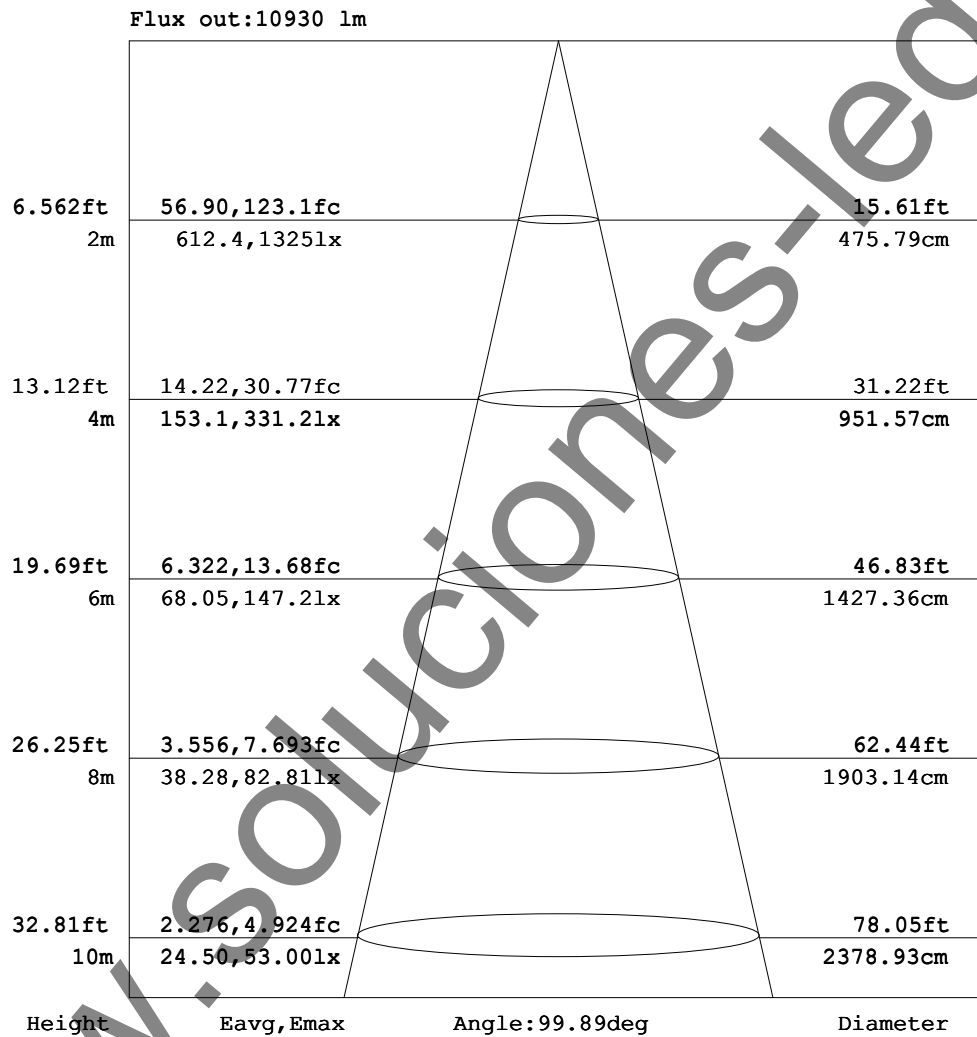


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 30.3DEG
 Operators:
 Test Date: 2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 95%
 Test Distance: 8.000m [K=1.0000]
 Remarks: LED:3020

AAI Figure

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



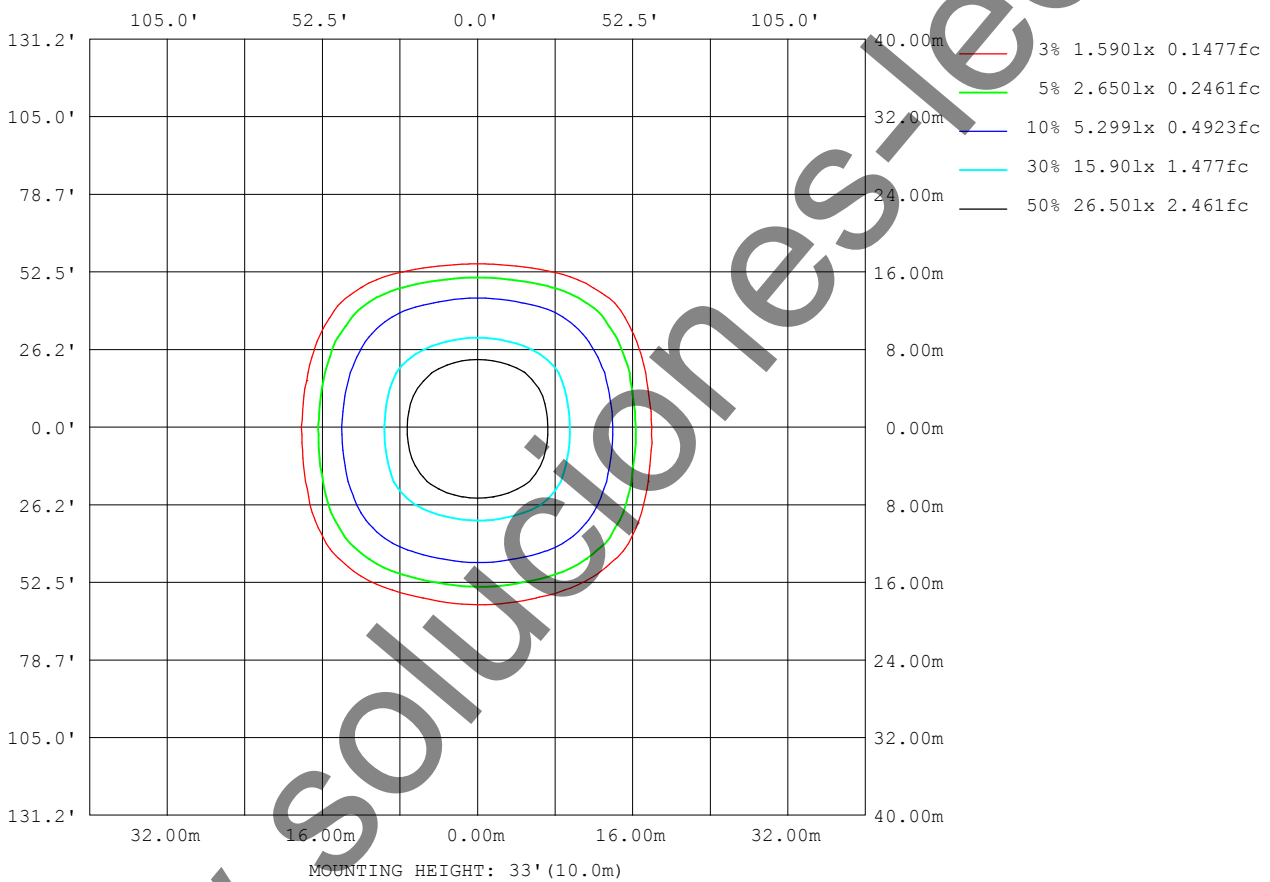
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020

ISOLUX DIAGRAM

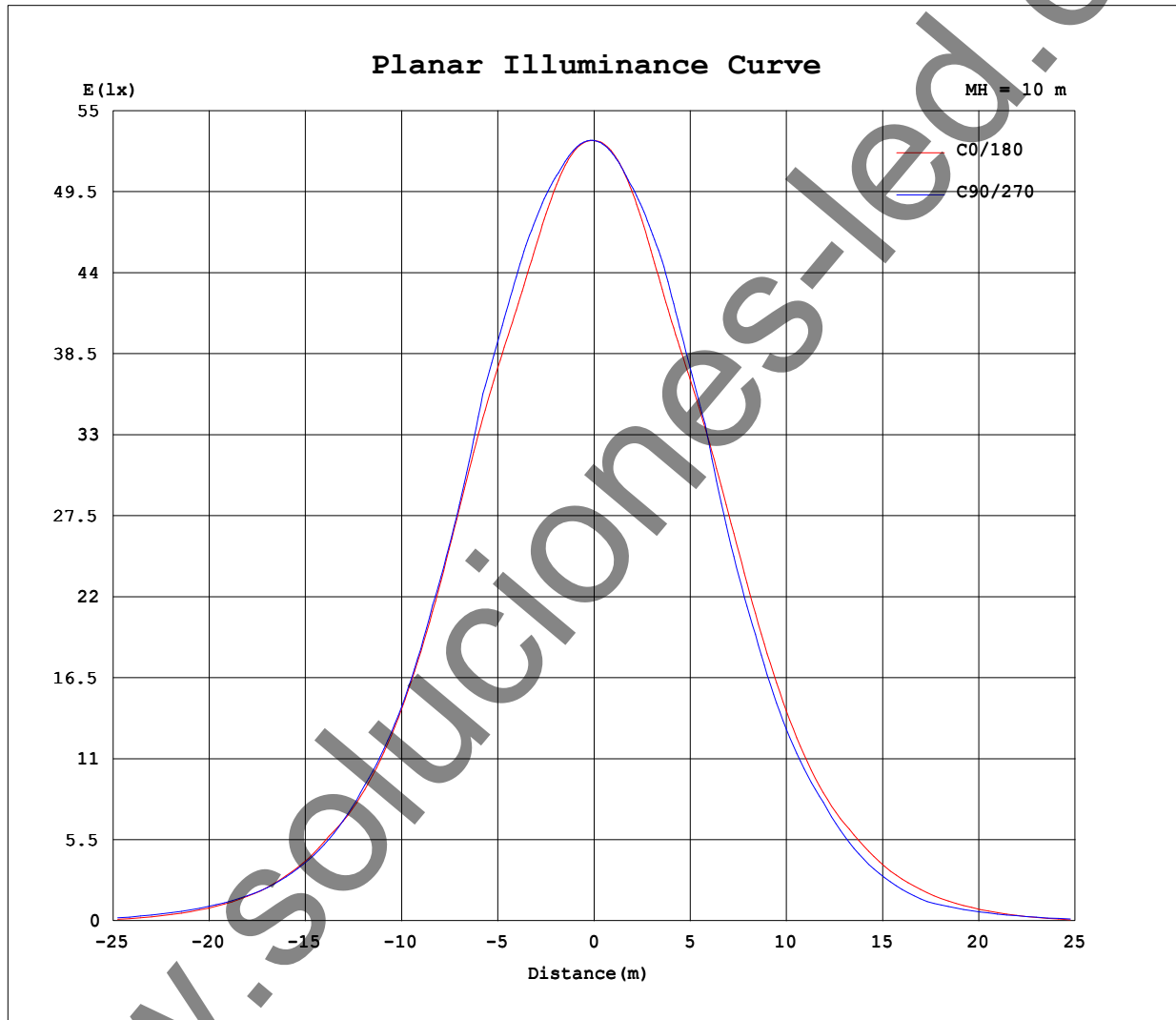
Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 30.3DEG
Operators:
Test Date: 2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity: 95%
Test Distance: 8.000m [K=1.0000]
Remarks: LED: 3020

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298
5	5310	5311	5312	5313	5314	5315	5316	5317	5318	5318	5319	5319	5319	5319	5319	5318	5318	5318	5317
10	5294	5296	5299	5303	5307	5311	5315	5319	5323	5327	5330	5333	5335	5336	5337	5337	5337	5337	5336
15	5244	5249	5256	5264	5272	5281	5290	5299	5309	5327	5347	5365	5379	5391	5400	5406	5409	5409	5409
20	5202	5211	5220	5230	5241	5252	5267	5295	5324	5355	5384	5412	5436	5455	5468	5479	5483	5484	5481
25	5233	5243	5250	5254	5257	5267	5284	5306	5336	5372	5412	5443	5466	5484	5495	5499	5500	5498	5495
30	5257	5269	5283	5298	5310	5321	5331	5342	5356	5373	5403	5439	5471	5494	5508	5515	5515	5513	5509
35	5092	5108	5140	5186	5237	5290	5334	5349	5357	5372	5398	5435	5377	5312	5255	5208	5173	5149	5137
40	4673	4692	4743	4817	4913	5043	5138	5219	5285	5291	5188	5091	5004	4933	4874	4830	4799	4776	4765
45	4075	4090	4165	4226	4357	4511	4697	4893	4893	4866	4818	4742	4584	4422	4304	4222	4170	4136	4119
50	3361	3382	3449	3505	3626	3798	4016	4125	4233	4298	4197	4046	3878	3730	3621	3553	3513	3491	3472
55	2654	2677	2718	2816	2885	3009	3124	3276	3349	3355	3318	3237	3089	2918	2774	2678	2619	2584	2560
60	1634	1681	1721	1795	1942	2074	2252	2302	2422	2391	2330	2231	2101	1962	1841	1752	1700	1670	1648
65	702	746	770	851	924	1058	1170	1291	1344	1304	1281	1218	1172	1097	1015	950	908	883	869
70	42.6	45.9	79.1	118	175	194	362	367	368	480	532	501	420	327	240	173	126	99.3	90.7
75	16.9	17.0	17.2	17.3	17.8	20.3	20.0	35.8	88.2	63.1	27.6	31.9	37.6	41.3	43.5	46.2	49.2	51.5	52.5
80	8.21	8.40	8.66	9.17	9.30	9.46	9.48	10.3	11.4	12.2	13.2	13.9	14.6	14.7	14.3	14.1	14.1	14.2	14.4
85	2.99	3.30	4.29	4.47	4.65	4.63	4.38	3.72	3.19	2.67	2.14	1.72	1.35	1.01	0.69	0.42	0.20	0.05	0.00
90	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298
5	5316	5315	5314	5314	5313	5311	5310	5308	5307	5305	5303	5301	5299	5298	5296	5295	5293	5292	5290
10	5334	5332	5330	5327	5323	5319	5315	5310	5305	5300	5294	5288	5282	5276	5271	5266	5262	5258	5256
15	5405	5401	5394	5385	5374	5359	5342	5322	5299	5278	5264	5251	5238	5226	5214	5204	5196	5189	5187
20	5477	5472	5465	5452	5434	5411	5384	5350	5313	5275	5239	5204	5181	5165	5150	5136	5124	5114	5112
25	5491	5489	5483	5473	5459	5435	5403	5361	5309	5262	5223	5193	5171	5158	5151	5143	5132	5120	5117
30	5505	5503	5496	5484	5463	5427	5380	5330	5288	5262	5241	5228	5219	5209	5195	5180	5166	5154	5149
35	5138	5155	5183	5223	5269	5318	5355	5305	5273	5257	5251	5241	5202	5151	5102	5061	5034	5024	5014
40	4763	4774	4796	4833	4882	4944	5012	5098	5194	5193	5134	5071	4994	4865	4763	4688	4645	4641	4620
45	4121	4142	4187	4258	4372	4529	4669	4736	4785	4817	4819	4634	4463	4319	4178	4089	4032	4033	4004
50	3471	3483	3516	3573	3674	3811	3971	4121	4245	4171	4061	3931	3712	3560	3432	3338	3276	3280	3248
55	2562	2586	2639	2726	2856	3016	3167	3253	3289	3288	3193	3029	2890	2773	2678	2567	2503	2511	2480
60	1647	1665	1714	1791	1907	2044	2172	2270	2309	2308	2203	2130	1944	1790	1682	1584	1533	1530	1514
65	872	891	928	984	1061	1137	1173	1229	1252	1258	1192	1076	956	841	746	697	625	620	604
70	101	129	174	237	319	408	483	508	456	350	341	312	164	143	85.8	49.1	37.0	36.7	35.6
75	52.9	51.8	49.2	46.1	42.4	36.7	29.5	24.0	57.2	81.6	34.4	15.8	16.0	13.4	13.1	12.9	13.1	13.2	13.0
80	14.8	15.2	15.3	15.4	15.2	14.3	12.7	11.2	9.59	8.52	7.81	7.38	7.49	7.30	6.84	6.30	5.96	5.92	5.78
85	0.06	0.22	0.46	0.75	1.06	1.32	1.54	1.74	1.97	2.26	2.65	3.26	3.58	3.73	3.68	3.42	2.39	2.03	1.99
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	0.74	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298
5	5289	5287	5286	5285	5284	5284	5283	5283	5282	5282	5282	5282	5282	5282	5282	5283	5284	5284	5285
10	5254	5253	5253	5254	5254	5256	5257	5258	5259	5260	5261	5261	5263	5264	5266	5267	5269	5271	5272
15	5186	5188	5190	5194	5200	5205	5212	5228	5245	5261	5273	5283	5292	5297	5303	5307	5310	5312	5314
20	5113	5115	5118	5123	5136	5161	5189	5218	5248	5275	5297	5315	5328	5337	5343	5347	5352	5355	5359
25	5112	5106	5099	5099	5109	5127	5155	5192	5234	5256	5268	5273	5274	5272	5270	5270	5272	5277	5287
30	5145	5142	5137	5129	5123	5123	5128	5126	5138	5158	5176	5188	5193	5192	5191	5190	5193	5197	5207
35	5020	5041	5067	5092	5109	5087	5064	5050	5050	5067	4998	4927	4866	4817	4782	4764	4760	4769	4797
40	4638	4689	4771	4876	4902	4917	4936	4908	4778	4663	4566	4486	4423	4375	4344	4330	4327	4333	4355
45	4032	4098	4215	4319	4431	4551	4499	4428	4341	4245	4098	3945	3831	3755	3708	3686	3681	3692	3721
50	3283	3350	3443	3551	3715	3775	3818	3824	3711	3560	3401	3264	3155	3086	3051	3035	3035	3045	3068
55	2520	2605	2629	2729	2810	2900	2948	2934	2884	2788	2619	2436	2276	2161	2087	2048	2041	2057	2100
60	1543	1584	1684	1752	1895	1934	1986	1995	1911	1774	1609	1439	1289	1174	1094	1055	1047	1061	1102
65	644	679	731	808	872	937	983	947	839	763	749	700	641	596	563	548	546	552	567
70	42.3	69.4	87.5	80.1	209	211	166	255	300	307	260	200	144	100	70.3	52.2	45.9	51.9	70.3
75	12.5	12.1	11.6	11.7	11.0	13.5	34.9	30.7	11.4	13.4	15.8	18.7	21.2	23.5	25.3	26.2	26.4	26.0	25.3
80	5.61	5.36	5.10	4.90	4.52	4.69	4.85	5.07	5.43	5.85	6.29	6.76	7.04	7.16	7.13	7.00	6.92	6.97	7.10
85	1.97	1.92	1.87	1.85	1.69	1.42	1.20	1.01	0.86	0.72	0.59	0.47	0.34	0.21	0.10	0.03	0.00	0.03	0.10
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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.7000A P:150.4W PF:0.9740 Lamp Flux:14313.2x1 lm		
NAME:	TYPE:	WEIGHT:4
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
0	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298	5298
5	5287	5288	5289	5291	5293	5294	5296	5297	5299	5300	5302	5304	5305	5307	5308
10	5274	5276	5278	5280	5283	5284	5285	5286	5287	5288	5289	5289	5290	5291	5292
15	5314	5313	5310	5305	5297	5287	5274	5262	5259	5255	5252	5249	5246	5244	5243
20	5360	5358	5354	5345	5330	5310	5290	5267	5245	5224	5215	5212	5208	5206	5203
25	5298	5310	5321	5328	5333	5326	5296	5269	5246	5231	5221	5220	5226	5230	5233
30	5218	5230	5239	5245	5247	5247	5253	5268	5264	5260	5260	5259	5261	5257	5256
35	4840	4898	4975	5069	5165	5165	5174	5194	5219	5233	5203	5167	5134	5104	5090
40	4390	4444	4521	4620	4736	4867	5009	5041	5020	4990	4944	4833	4748	4692	4666
45	3772	3852	3970	4125	4284	4396	4491	4580	4643	4511	4380	4260	4145	4103	4059
50	3107	3179	3289	3431	3596	3743	3863	3861	3837	3810	3646	3519	3426	3388	3350
55	2176	2294	2457	2651	2830	2920	2979	2997	2968	2921	2853	2763	2728	2644	2649
60	1180	1298	1450	1622	1797	1943	2066	2102	2037	1984	1885	1829	1703	1639	1645
65	598	646	704	750	775	859	984	1053	1028	956	877	798	749	704	692
70	101	145	202	262	313	310	259	163	231	244	94.6	89.6	66.0	48.4	40.5
75	23.8	21.5	19.0	16.4	14.1	12.2	31.0	35.5	13.5	11.5	12.4	12.6	13.4	14.7	15.8
80	7.21	7.14	6.91	6.59	6.24	5.88	5.53	5.28	5.11	4.97	5.41	5.79	6.47	7.12	7.71
85	0.21	0.35	0.48	0.63	0.78	0.95	1.14	1.36	1.61	1.85	1.97	2.09	2.11	2.32	2.56
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

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30.3DEG
 Operators:
 Test Date:2013-10-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:95%
 Test Distance:8.000m [K=1.0000]
 Remarks: LED:3020