

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		492.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	108.5V x 153.8H 76.1V x 107.9H 47.9V x 46.3H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.1 lumens per klm. 960.9 lumens per klm. 724.1 lumens per klm. 277.2 lumens per klm.
	Upward LOR Downward LOR	0.4 % 99.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

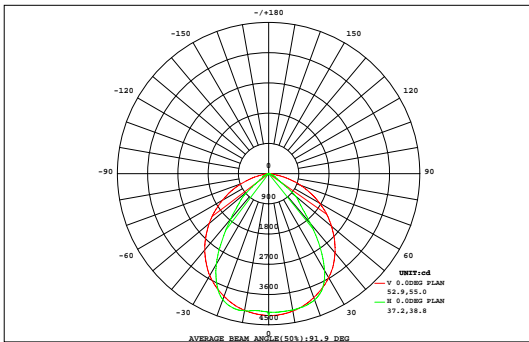
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C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZHOU  
Test Date:2017-02-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.100m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.9V I:0.4454A P:97.39W PF:0.9946 Freq:49.98Hz Lamp Flux:8582.26x1 lm		
NAME: 100W R2 CL1 WW	TYPE:100W R2 CL1 WW	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:21cm*16cm	Shielding Angle:



DATA OF LAMP		Eff:88.13lm/W	
MODEL	100W R2 CL1 WW	Imax(cd)	4225
NOMINAL POWER(W)	100	AVAILABILITY(%)	95.9
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	8229
NOMINAL FLUX(lm)	8582.26	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	8582
TEST VOLTAGE(V)	220.1	θ @50%(H,V)	108,76DEG

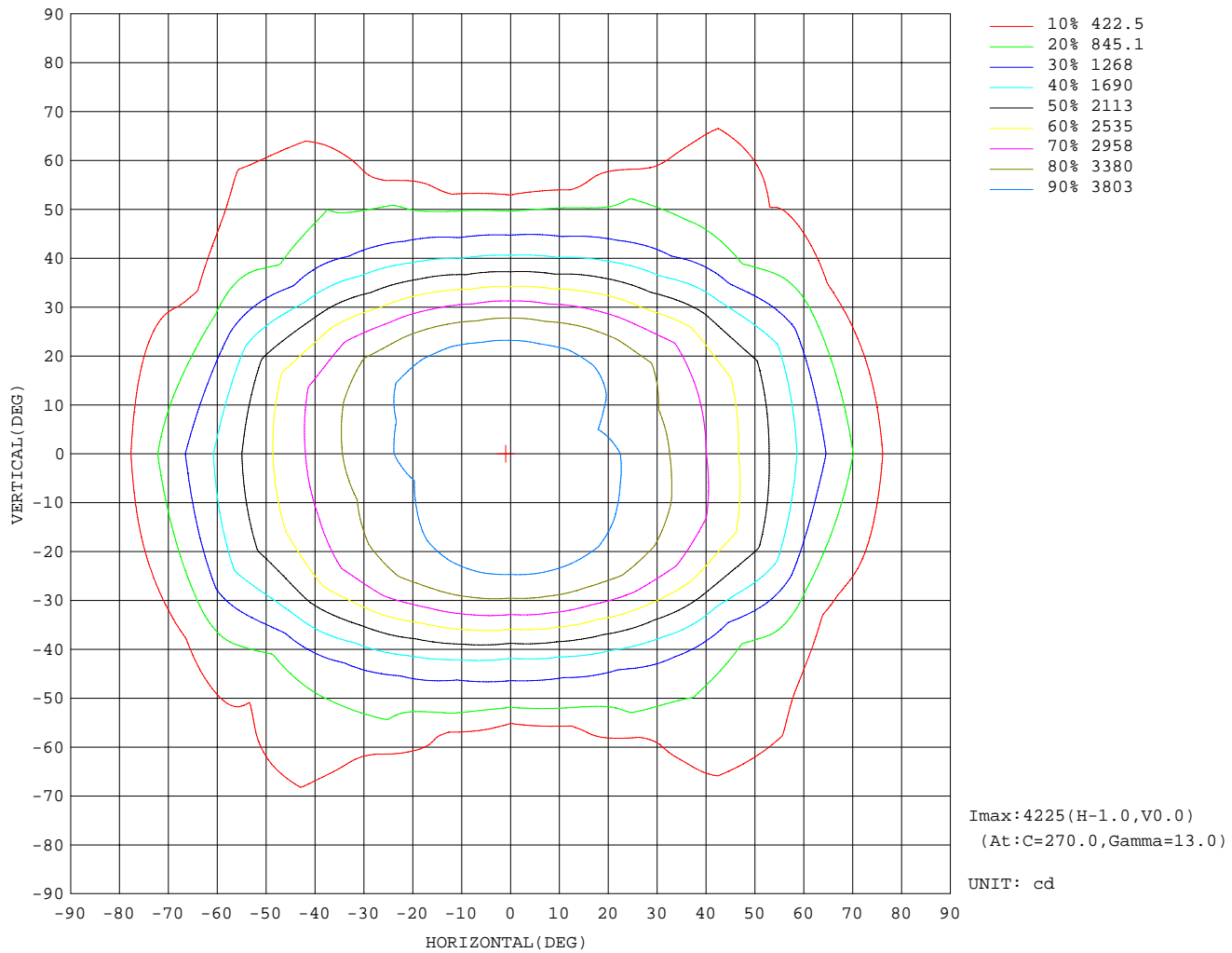
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a		
	0.01	0.06	0.26	0.46	0.33	0.26	0.21	0.21	0.21	0.21	0.20	0.20	0.36	0.47	0.34	0.12	0.02			0.00	
90	0.01	0.06	0.26	0.46	0.33	0.26	0.21	0.21	0.21	0.21	0.20	0.20	0.36	0.47	0.34	0.12	0.02	0.00	3.92	0.00	
80	0.02	0.27	1.25	2.48	2.13	1.81	1.23	1.16	1.17	1.20	1.23	1.29	2.86	3.62	2.43	0.91	0.13	0.01	25.2	0.00	
70	0.05	0.54	2.38	5.38	7.47	7.61	4.72	4.49	4.53	4.57	4.80	5.48	8.48	8.81	5.12	1.86	0.30	0.02	76.6	11.8	
60	0.08	0.83	3.16	7.80	13.1	16.0	14.5	12.4	11.4	12.2	14.2	17.3	15.9	12.1	6.71	2.53	0.48	0.03	161	120	
50	0.11	1.28	3.74	9.76	16.6	25.2	31.9	35.9	38.3	38.6	36.7	32.2	24.6	15.7	9.00	3.46	0.84	0.05	324	315	
40	0.15	2.00	5.44	15.5	26.9	42.4	56.2	67.1	72.7	72.9	67.7	56.6	42.8	27.6	16.1	5.97	1.46	0.08	580	572	
30	0.19	2.91	9.36	25.1	44.3	66.4	85.9	101	109	108	100	85.1	66.1	44.0	26.0	9.84	2.27	0.11	887	883	
	0.23	3.91	13.5	32.7	57.0	80.5	102	117	124	123	114	98.5	77.0	54.2	32.0	13.1	3.14	0.14	1047	1044	
	0.26	4.84	16.7	36.1	59.7	83.5	104	118	125	123	115	100	80.1	56.8	34.0	15.3	3.91	0.16	1077	1076	
	0.26	4.89	17.4	36.6	59.0	81.9	101	116	124	125	118	102	81.4	57.4	34.1	15.1	3.91	0.16	1079	1077	
	0.23	4.02	15.6	34.6	55.9	78.3	98.6	114	122	123	116	100	79.1	55.7	32.0	12.4	3.16	0.15	1045	1043	
-30	0.18	2.98	12.5	29.4	47.5	69.9	89.7	104	113	113	104	88.7	67.3	44.4	25.3	8.71	2.35	0.12	924	919	
-40	0.14	1.93	8.17	19.4	32.2	49.1	64.2	75.4	81.1	80.2	72.9	60.4	44.7	27.4	15.5	5.10	1.62	0.09	639	633	
-50	0.10	1.11	4.60	10.4	18.4	28.2	36.3	41.7	43.7	43.0	39.7	33.9	26.5	16.5	9.47	3.51	1.04	0.07	358	350	
-60	0.07	0.64	3.05	7.09	12.9	18.2	21.3	19.7	18.1	17.0	17.2	18.0	16.6	13.0	7.70	2.99	0.68	0.04	194	165	
-70	0.04	0.41	2.36	5.92	9.72	10.0	8.01	6.53	5.72	5.48	5.54	5.92	8.70	8.73	5.52	2.22	0.44	0.02	91.3	21.9	
-80	0.02	0.23	1.37	3.48	5.07	3.88	2.01	1.78	1.62	1.55	1.53	1.54	2.44	2.75	2.44	1.10	0.20	0.01	33.0	0.00	
-90	0.01	0.06	0.34	0.83	1.17	0.80	0.38	0.36	0.35	0.34	0.33	0.31	0.37	0.43	0.43	0.20	0.03	0.00	6.74	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	2.15	32.9	121	283	470	664	822	938	997	994	930	808	645	450	264	104	26.0	1.27	8552	---	
Φ a	0.00	17.8	97.9	257	453	647	803	917	973	971	909	790	627	434	240	81.4	10.6	0.00	---	8229	

one-half-peak spread: U:34.0,D:24.4 , L:54.3,R:5NEMA Beam Type: Type 7 x 6 (H x V)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZHOU  
 Test Date:2017-02-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:11.100m [K=1.0000]  
 Remarks:

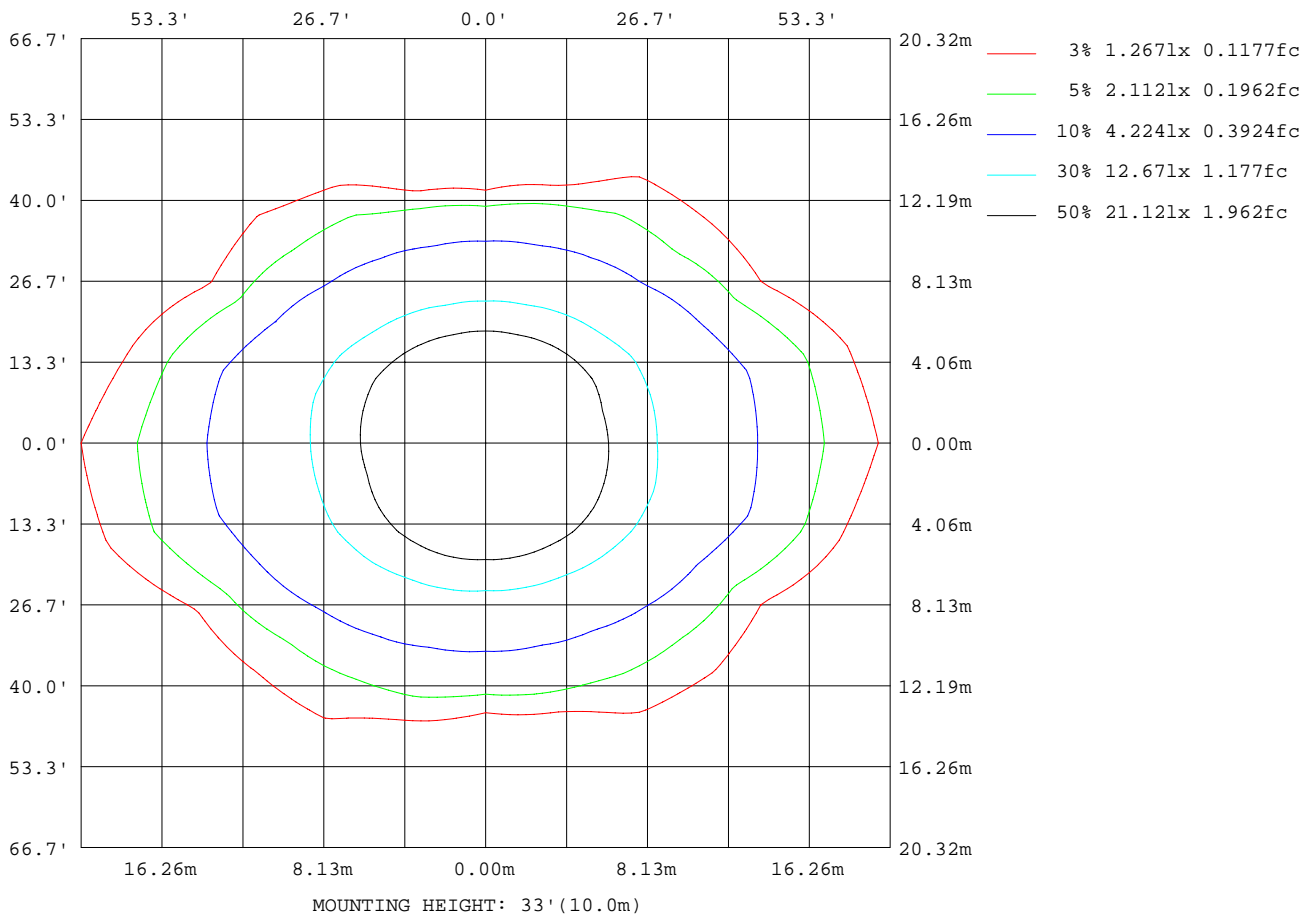
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks:

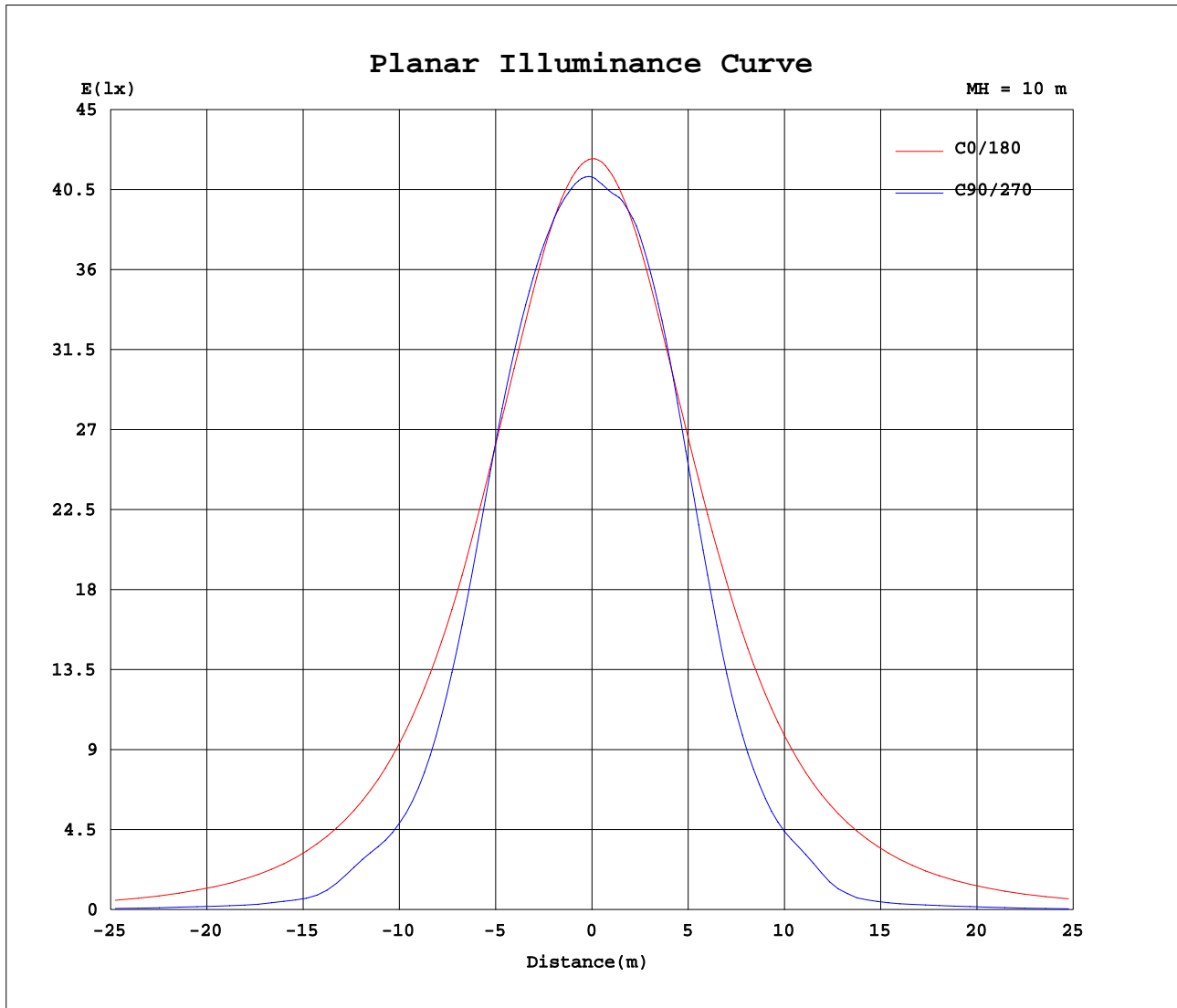
ISOLUX DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks:

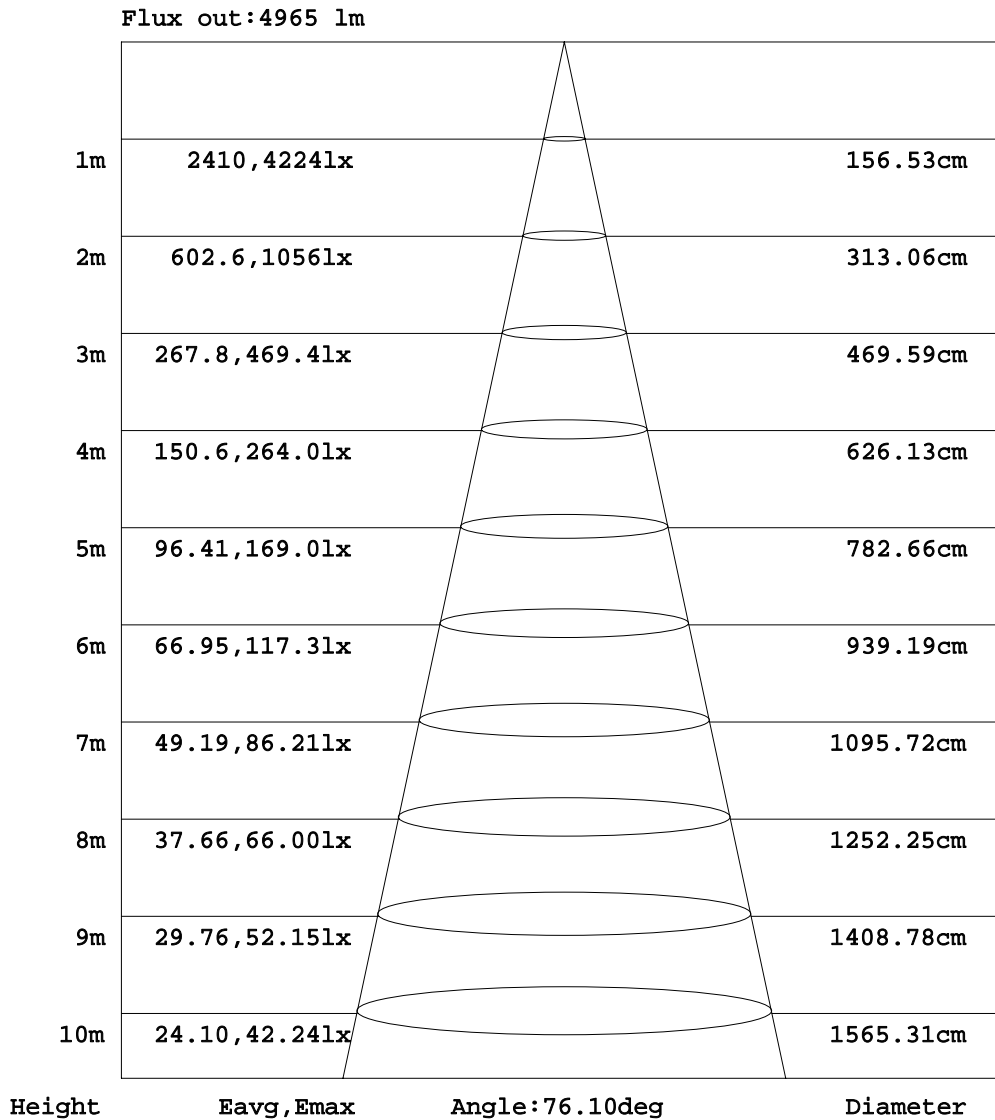
Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks:

AAI Figure



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

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

H( DEG) V( DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	1.20	0.77	1.41	2.22	3.20	4.26	5.39	6.57	7.76	8.80	9.69	10.5	11.2	11.9	12.6	13.4	13.8	14.1	14.0
-170	1.20	0.76	1.38	2.16	3.11	4.15	5.23	6.33	7.38	8.28	9.08	9.80	10.4	11.1	11.8	12.5	12.9	13.0	13.2
-160	1.20	0.73	1.31	2.03	2.90	3.86	4.89	5.86	6.76	7.54	8.26	8.89	9.35	9.85	10.4	10.8	11.1	11.3	11.5
-150	1.20	0.69	1.20	1.83	2.58	3.43	4.28	5.04	5.79	6.54	7.18	7.61	8.03	8.41	8.73	9.02	9.21	9.38	9.52
-140	1.20	0.64	1.05	1.56	2.18	2.81	3.38	3.96	4.55	5.04	5.42	5.72	6.04	6.32	6.49	6.69	6.81	6.99	7.04
-130	1.20	0.58	0.89	1.29	1.73	2.09	2.44	2.81	3.12	3.34	3.50	3.67	3.86	3.97	4.07	4.14	4.19	4.25	4.22
-120	1.20	0.52	0.74	1.00	1.24	1.44	1.63	1.78	1.88	1.95	1.96	2.05	2.09	2.08	2.06	1.99	1.96	1.92	1.85
-110	1.20	0.45	0.58	0.73	0.83	0.91	0.96	1.02	1.05	1.03	1.02	1.01	0.98	0.90	0.81	0.69	0.64	0.59	0.51
-100	1.20	0.49	0.44	0.50	0.52	0.52	0.52	0.53	0.52	0.50	0.46	0.42	0.37	0.28	0.18	0.06	0.04	0.02	0.00
-90	1.20	1.13	1.06	1.00	1.05	1.11	1.16	1.44	1.71	1.99	1.51	1.03	0.55	0.49	0.43	0.38	0.27	0.16	0.05
-80	1.20	3.95	8.17	14.0	30.9	57.8	94.6	112	125	134	113	78.5	35.5	30.9	29.1	26.5	26.2	25.6	24.7
-70	1.20	7.54	19.3	33.5	73.3	142	231	283	317	360	338	263	180	150	137	114	108	103	95.8
-60	1.20	11.9	34.8	59.6	106	203	304	376	438	534	621	552	518	522	470	363	297	275	250
-50	1.20	16.8	56.8	108	128	265	410	452	514	669	811	882	943	992	1023	1064	1072	1074	1067
-40	1.20	22.6	88.5	187	246	450	697	814	897	1112	1331	1489	1633	1768	1855	1937	1974	1989	1935
-30	1.20	28.6	130	294	470	774	1165	1412	1614	1875	2208	2448	2673	2898	3046	3178	3289	3340	3329
-20	1.20	33.7	177	412	694	1073	1507	1893	2184	2446	2748	3046	3299	3491	3669	3800	3905	3976	3999
-10	1.20	37.1	219	527	877	1271	1675	2048	2378	2687	2969	3213	3431	3622	3786	3917	4017	4079	4120
0	1.20	38.5	247	620	1011	1382	1747	2111	2443	2770	3073	3348	3574	3765	3927	4062	4155	4208	4224
10	1.20	37.8	222	529	822	1156	1551	1983	2389	2756	3072	3343	3566	3763	3925	4047	4123	4154	4142
20	1.20	35.1	184	420	606	858	1238	1697	2129	2423	2721	3046	3348	3523	3707	3844	3939	3982	3994
30	1.20	30.3	141	310	404	508	816	1143	1402	1636	1916	2201	2409	2602	2799	2932	3024	3088	3115
40	1.20	24.3	100.0	208	244	287	512	693	746	914	1131	1261	1391	1517	1594	1668	1688	1748	1757
50	1.20	18.2	67.3	133	157	257	376	496	568	679	792	816	833	888	834	792	803	815	783
60	1.20	12.7	42.4	81.9	129	212	313	398	435	505	571	483	360	260	250	226	213	213	212
70	1.20	7.77	23.1	46.3	82.6	137	209	227	205	183	178	155	103	80.4	78.0	72.4	72.1	70.7	67.3
80	1.20	3.75	8.68	17.0	30.7	49.6	74.0	72.6	59.9	37.7	33.4	28.9	22.1	20.9	19.8	18.3	18.4	18.5	18.3
90	1.20	0.96	0.73	0.49	0.43	0.36	0.30	0.30	0.30	0.30	0.23	0.15	0.08	0.05	0.03	0.00	0.00	0.00	0.00
100	1.20	0.48	0.46	0.53	0.54	0.55	0.53	0.57	0.61	0.62	0.57	0.50	0.43	0.37	0.30	0.22	0.19	0.17	0.15
110	1.20	0.46	0.60	0.74	0.85	0.93	0.98	1.07	1.14	1.18	1.19	1.17	1.15	1.10	1.03	0.96	0.93	0.91	0.86
120	1.20	0.53	0.75	1.01	1.26	1.47	1.64	1.83	2.00	2.12	2.19	2.30	2.36	2.38	2.41	2.40	2.41	2.41	2.37
130	1.20	0.59	0.91	1.30	1.74	2.11	2.49	2.84	3.20	3.51	3.75	3.99	4.19	4.33	4.53	4.67	4.77	4.84	4.82
140	1.20	0.64	1.06	1.59	2.19	2.85	3.44	4.02	4.62	5.16	5.63	6.04	6.40	6.70	6.91	7.22	7.41	7.56	7.58
150	1.20	0.69	1.20	1.84	2.61	3.49	4.36	5.14	5.90	6.65	7.31	7.82	8.32	8.74	9.07	9.40	9.67	9.85	9.91
160	1.20	0.73	1.31	2.03	2.92	3.91	4.96	5.97	6.87	7.65	8.38	9.00	9.57	10.1	10.7	11.1	11.4	11.7	11.8
170	1.20	0.76	1.38	2.16	3.12	4.17	5.28	6.38	7.44	8.35	9.18	9.94	10.7	11.4	12.1	12.7	13.2	13.4	13.4
180	1.20	0.77	1.41	2.22	3.20	4.26	5.39	6.57	7.76	8.80	9.69	10.5	11.2	11.9	12.6	13.4	13.8	14.1	14.0

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	14.0	13.7	13.2	12.6	11.9	11.2	10.6	9.84	8.99	8.01	6.83	5.63	4.49	3.40	2.43	1.61	0.93	0.48	
-170	13.2	12.8	12.5	11.9	11.2	10.6	9.93	9.23	8.43	7.50	6.45	5.36	4.29	3.25	2.32	1.56	0.91	0.48	
-160	11.5	11.2	10.9	10.6	10.0	9.52	8.96	8.28	7.53	6.73	5.84	4.88	3.91	2.98	2.14	1.45	0.87	0.48	
-150	9.45	9.29	9.06	8.79	8.41	7.97	7.47	6.97	6.33	5.63	4.91	4.18	3.39	2.60	1.91	1.31	0.82	0.48	
-140	7.02	6.86	6.71	6.47	6.21	5.88	5.53	5.18	4.78	4.31	3.77	3.24	2.73	2.16	1.62	1.15	0.76	0.48	
-130	4.21	4.11	4.04	3.96	3.82	3.68	3.47	3.29	3.12	2.89	2.60	2.32	2.01	1.68	1.32	0.97	0.69	0.48	
-120	1.88	1.87	1.87	1.91	1.93	1.93	1.90	1.83	1.80	1.74	1.63	1.50	1.37	1.21	1.00	0.80	0.62	0.48	
-110	0.55	0.57	0.59	0.70	0.79	0.87	0.91	0.93	0.95	0.95	0.93	0.89	0.87	0.81	0.72	0.64	0.55	0.48	
-100	0.01	0.02	0.02	0.11	0.19	0.25	0.32	0.38	0.44	0.46	0.48	0.49	0.51	0.51	0.50	0.50	0.49	0.48	
-90	0.04	0.02	0.00	0.00	0.01	0.01	0.06	0.12	0.17	0.21	0.26	0.30	0.31	0.32	0.33	0.38	0.43	0.48	
-80	24.9	24.9	24.7	26.0	26.7	27.8	38.3	45.2	49.7	63.1	68.8	65.1	40.7	22.3	9.88	3.55	0.51	0.48	
-70	98.5	98.7	98.2	102	103	129	204	248	246	231	227	196	125	71.1	34.6	13.6	2.66	0.48	
-60	265	272	289	319	325	398	503	588	534	461	401	305	199	115	65.9	27.3	5.66	0.48	
-50	1069	1055	1015	967	964	924	859	777	657	550	482	363	242	139	106	45.6	8.90	0.48	
-40	1951	1899	1839	1733	1628	1500	1348	1164	931	739	677	495	269	212	166	67.2	12.2	0.48	
-30	3324	3254	3120	2969	2784	2538	2282	1964	1646	1420	1157	799	475	343	247	96.9	15.2	0.48	
-20	3994	3939	3841	3713	3522	3311	3024	2700	2392	2114	1706	1201	788	514	338	127	17.4	0.48	
-10	4123	4084	3995	3863	3703	3500	3264	2982	2664	2310	1906	1461	1048	696	424	151	18.3	0.48	
0	4194	4132	4029	3885	3715	3506	3245	2960	2644	2313	1961	1590	1235	852	495	165	17.9	0.48	
10	4096	4027	3923	3781	3607	3395	3160	2900	2607	2276	1904	1491	1092	715	418	147	17.6	0.48	
20	3951	3889	3780	3634	3445	3265	2969	2642	2337	2080	1727	1286	870	537	326	120	16.1	0.48	
30	3085	3022	2938	2802	2611	2412	2220	1966	1667	1431	1205	921	574	342	229	86.7	13.6	0.48	
40	1758	1704	1694	1622	1527	1392	1263	1134	924	726	683	550	310	183	144	56.1	10.5	0.48	
50	843	873	875	881	922	860	795	734	608	485	425	343	207	104	80.3	35.4	7.42	0.48	
60	217	219	250	311	325	385	482	569	501	419	352	264	166	84.4	44.3	20.0	4.54	0.48	
70	72.4	75.7	79.0	87.8	90.4	121	215	285	296	253	220	175	104	52.0	22.2	9.49	2.04	0.48	
80	18.5	18.5	18.3	19.6	20.3	22.7	46.8	63.5	71.8	69.7	63.7	52.6	29.7	14.4	5.88	2.23	0.43	0.48	
90	0.00	0.00	0.00	0.03	0.06	0.09	0.15	0.22	0.28	0.28	0.27	0.26	0.30	0.34	0.37	0.41	0.45	0.48	
100	0.19	0.23	0.27	0.35	0.43	0.49	0.54	0.59	0.62	0.61	0.59	0.56	0.57	0.57	0.56	0.53	0.50	0.48	
110	0.94	1.00	1.05	1.13	1.20	1.23	1.24	1.23	1.21	1.19	1.14	1.06	0.99	0.91	0.80	0.68	0.57	0.48	
120	2.45	2.49	2.49	2.49	2.46	2.44	2.38	2.26	2.20	2.08	1.92	1.74	1.54	1.32	1.09	0.84	0.64	0.48	
130	4.87	4.82	4.74	4.62	4.45	4.31	4.10	3.87	3.59	3.31	2.94	2.53	2.14	1.78	1.39	1.02	0.71	0.48	
140	7.58	7.46	7.29	7.04	6.74	6.43	6.04	5.60	5.13	4.61	4.00	3.39	2.82	2.23	1.70	1.19	0.78	0.48	
150	9.86	9.68	9.41	9.08	8.68	8.21	7.68	7.09	6.44	5.72	4.96	4.17	3.42	2.66	1.95	1.34	0.83	0.48	
160	11.6	11.4	11.1	10.6	10.1	9.51	8.93	8.26	7.51	6.66	5.76	4.84	3.91	3.01	2.17	1.47	0.88	0.48	
170	13.2	12.7	12.2	11.7	11.0	10.4	9.74	9.11	8.38	7.46	6.40	5.33	4.28	3.26	2.34	1.57	0.91	0.48	
180	14.0	13.7	13.2	12.6	11.9	11.2	10.6	9.84	8.99	8.01	6.83	5.63	4.49	3.40	2.43	1.61	0.93	0.48	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: ZHOU  
 Test Date: 2017-02-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 11.100m [K=1.0000]  
 Remarks: