

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	499.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of I _{max}	127.3V x 154.5H
	At 50% of I _{max}	71.9V x 146.4H
	At 90% of I _{max}	27.7V x 132.5H

Beam Flux	Total	998.7 lumens per klm.
	To 10% of I _{max}	963.0 lumens per klm.
	To 50% of I _{max}	760.6 lumens per klm.
	To 90% of I _{max}	73.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

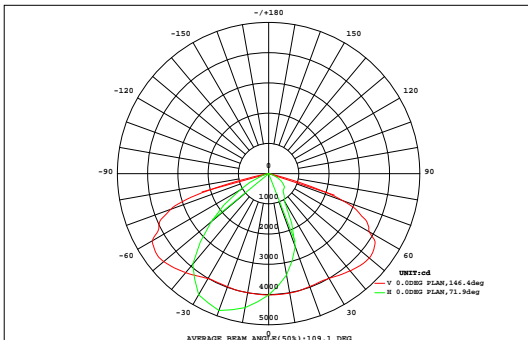
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-10-17

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:13.440m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.7V I:0.4597A P:99.45W PF:0.9846 Lamp Flux:11764.8x1 lm		
NAME:	TYPE:floodlighting	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:118.30lm/W	
FM000219-3030-100W-非对称		Imax(cd)	5880
NOMINAL POWER(W)	100	AVAILABILITY(%)	96.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	11357
NOMINAL FLUX(lm)	11764.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	11765
TEST VOLTAGE(V)	220	θ @50%(H,V)	146,72DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm		Φ t	Φ a		
	0.00	0.01	0.02	0.05	0.07	0.11	0.14	0.16	0.24	0.22	0.12	0.09	0.06	0.04	0.03	0.02	0.01			0.00	
90	0.00	0.01	0.02	0.05	0.07	0.11	0.14	0.16	0.24	0.22	0.12	0.09	0.06	0.04	0.03	0.02	0.01	0.00	1.39	0.00	
80	0.00	0.03	0.14	0.37	0.63	1.05	1.66	2.11	2.48	2.35	1.85	1.30	0.75	0.42	0.21	0.07	0.02	0.00	15.4	0.00	
70	0.01	0.11	0.50	1.25	2.06	3.47	6.48	9.26	9.49	9.23	8.71	5.68	2.82	1.60	0.87	0.31	0.07	0.00	61.9	0.00	
60	0.01	0.29	1.20	2.56	4.03	6.40	11.7	17.2	18.1	17.9	16.8	11.0	5.69	3.42	1.99	0.78	0.17	0.01	119	36.9	
50	0.02	0.74	2.98	5.04	7.98	10.7	13.7	18.0	21.7	21.4	17.5	12.9	9.36	6.23	3.67	1.66	0.34	0.01	154	67.0	
40	0.04	2.16	8.73	14.7	20.6	22.8	22.9	24.3	26.0	25.7	23.4	21.0	19.6	15.9	9.80	4.72	0.75	0.02	263	221	
30	0.07	5.41	20.8	35.8	44.9	49.0	50.1	50.6	50.6	50.2	48.8	46.7	44.1	38.7	26.7	13.3	1.97	0.04	578	575	
	0.09	10.1	35.3	56.2	68.5	76.8	82.9	89.4	93.1	93.0	88.6	80.7	72.7	62.8	48.2	26.5	4.45	0.05	989	988	
	0.11	14.2	46.7	72.1	86.7	94.8	102	109	113	113	109	101	93.4	83.5	66.2	39.0	7.41	0.05	1251	1250	
	0.11	16.7	55.6	85.5	102	110	117	125	129	129	125	117	110	99.8	80.4	48.4	9.26	0.05	1459	1458	
	0.10	17.3	61.7	95.9	113	122	127	135	141	141	135	128	122	112	91.1	54.3	9.04	0.05	1607	1605	
-30	0.07	15.1	63.8	101	120	127	131	137	144	144	137	131	128	119	96.0	56.0	7.24	0.04	1658	1656	
-40	0.05	11.0	60.1	97.4	116	121	121	124	131	129	124	122	121	115	91.1	50.3	4.07	0.03	1538	1536	
-50	0.03	5.47	47.1	79.8	95.8	96.9	94.5	93.7	98.6	97.2	92.8	94.1	96.2	92.7	72.7	34.8	1.53	0.03	1194	1192	
-60	0.02	1.36	24.2	46.6	55.6	56.9	55.5	53.6	54.5	54.0	52.7	54.1	53.3	49.5	38.0	13.0	0.38	0.02	663	660	
-70	0.01	0.18	3.60	9.93	11.3	16.2	19.7	19.6	19.5	19.3	18.9	17.5	11.2	6.82	4.77	0.98	0.21	0.02	180	112	
-80	0.01	0.09	0.20	0.49	1.02	1.64	2.52	3.42	3.49	3.40	3.13	2.16	1.43	0.92	0.47	0.30	0.12	0.02	24.8	0.00	
-90	0.01	0.03	0.07	0.13	0.27	0.62	1.01	1.03	1.09	1.08	0.99	0.95	0.53	0.29	0.20	0.13	0.07	0.02	8.50	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	0.77	100	433	705	850	917	961	1013	1057	1051	1004	947	892	809	633	345	47.1	0.47	11765	---	
Φ a	0.00	91.4	422	687	828	887	916	978	1028	1021	963	900	858	787	619	335	37.6	0.00	---	11357	

one-half-peak spread: U:30.8,D:41.5 , L:21.0,R:2NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-10-17

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:13.440m [K=1.0000]
Remarks:

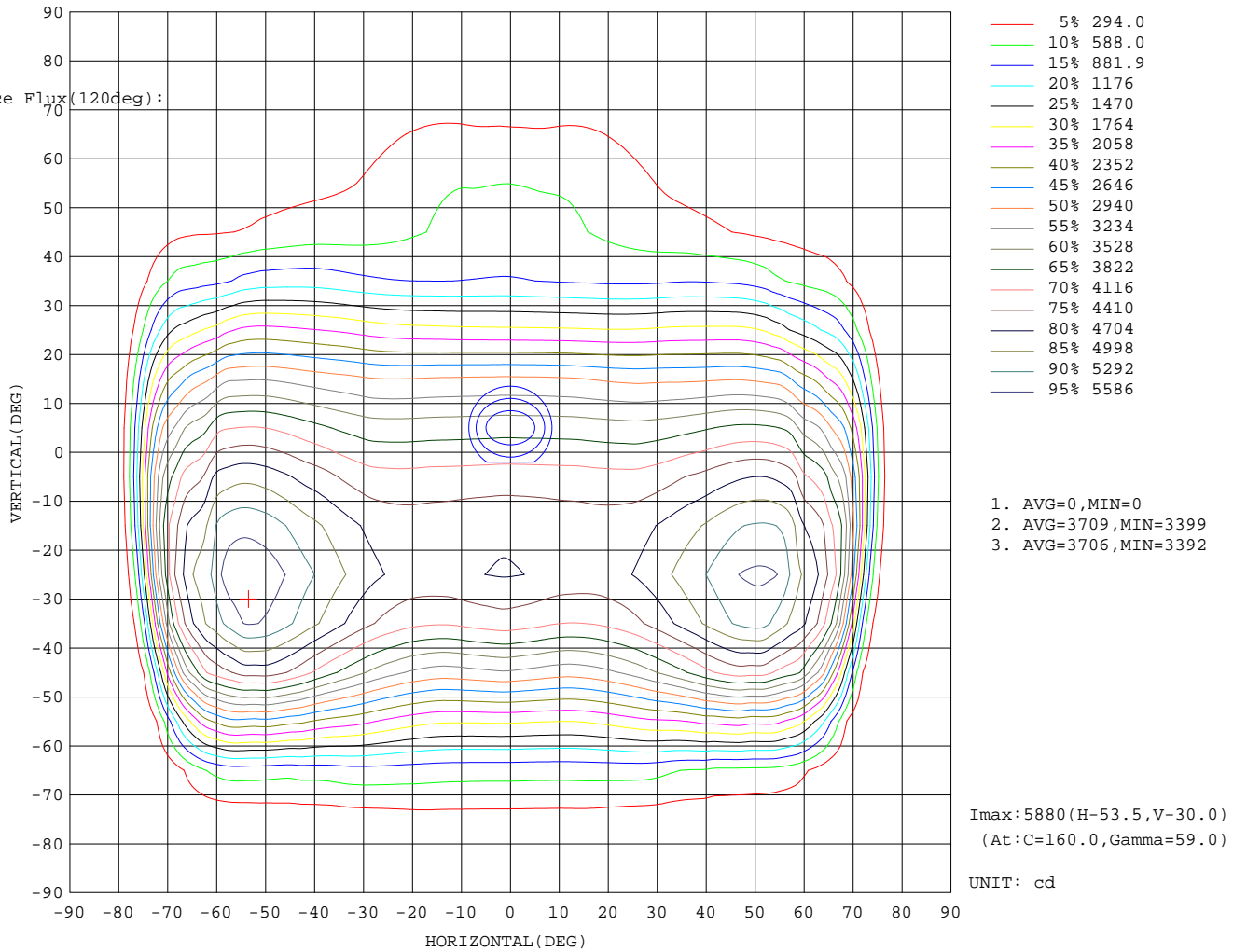
ISOCANDELA DIAGRAM

Conical surface Flux(90deg):

6304.1 lm
 %lum = 53.7%
 %lamp = 53.6%

Conical surface Flux(120deg):

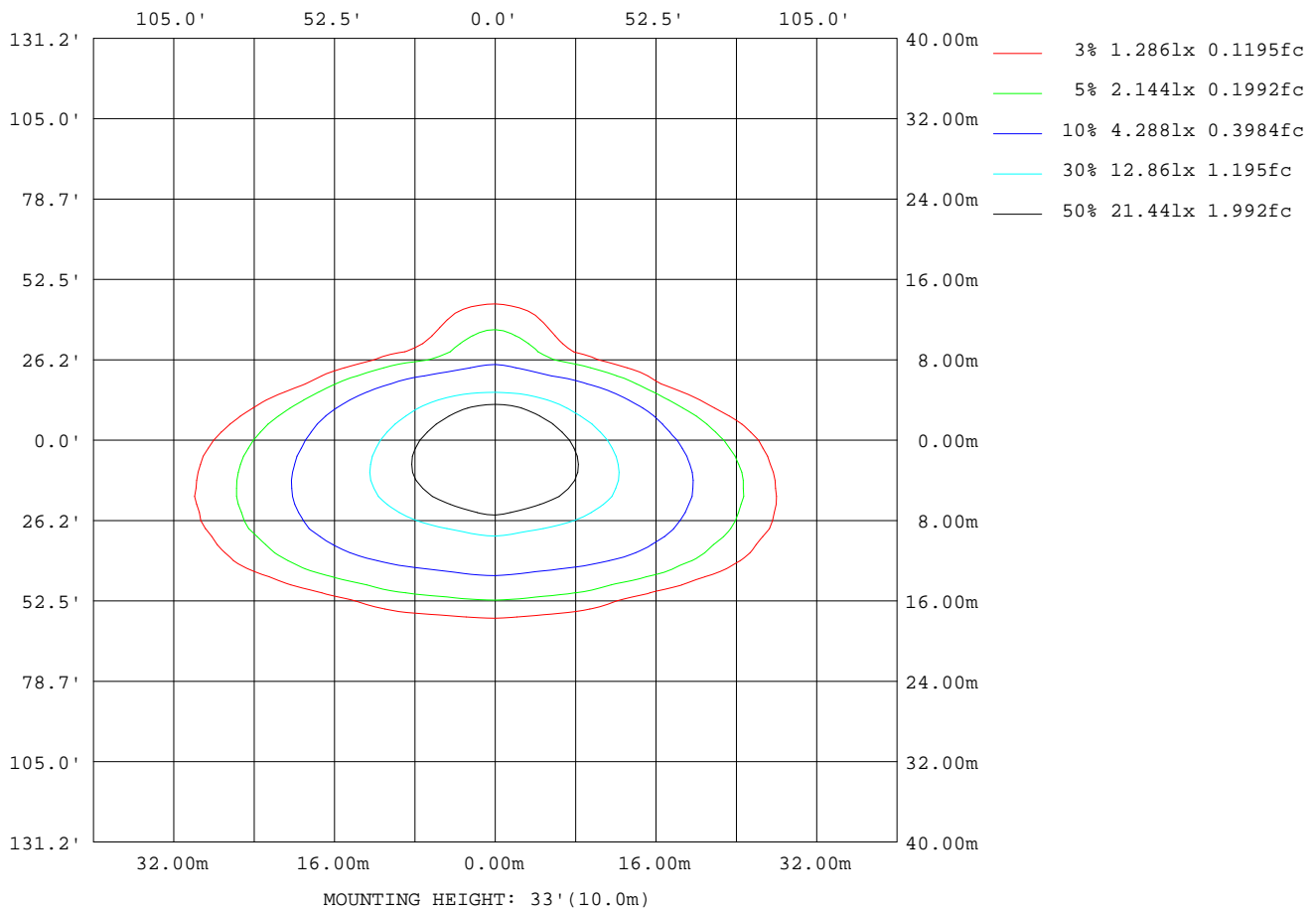
9628.6 lm
 %lum = 82.0%
 %lamp = 81.8%



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 Humidity:65.0%
 Test Distance:13.440m [K=1.0000]
 Remarks:

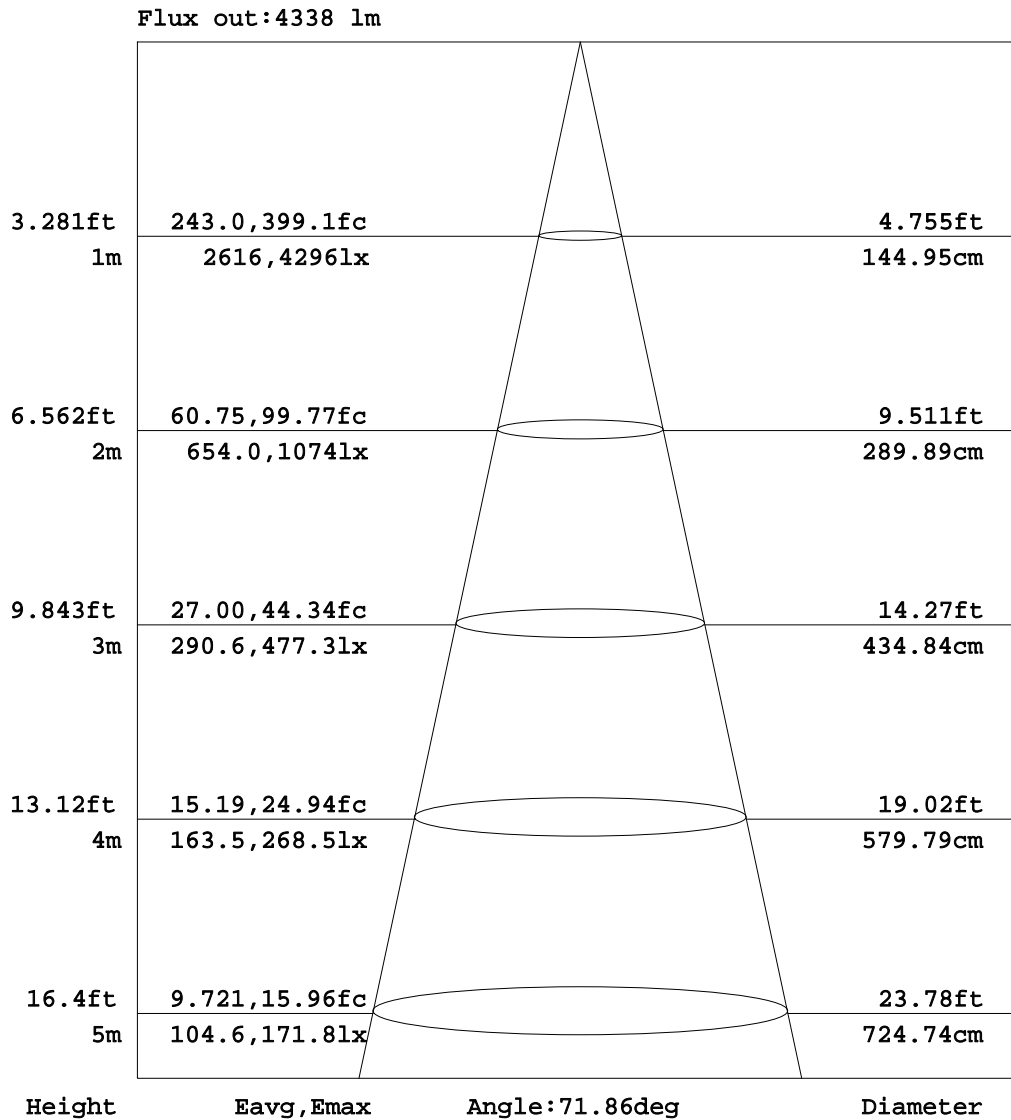
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-10-17

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:13.440m [K=1.0000]
 Remarks:

AAI Figure

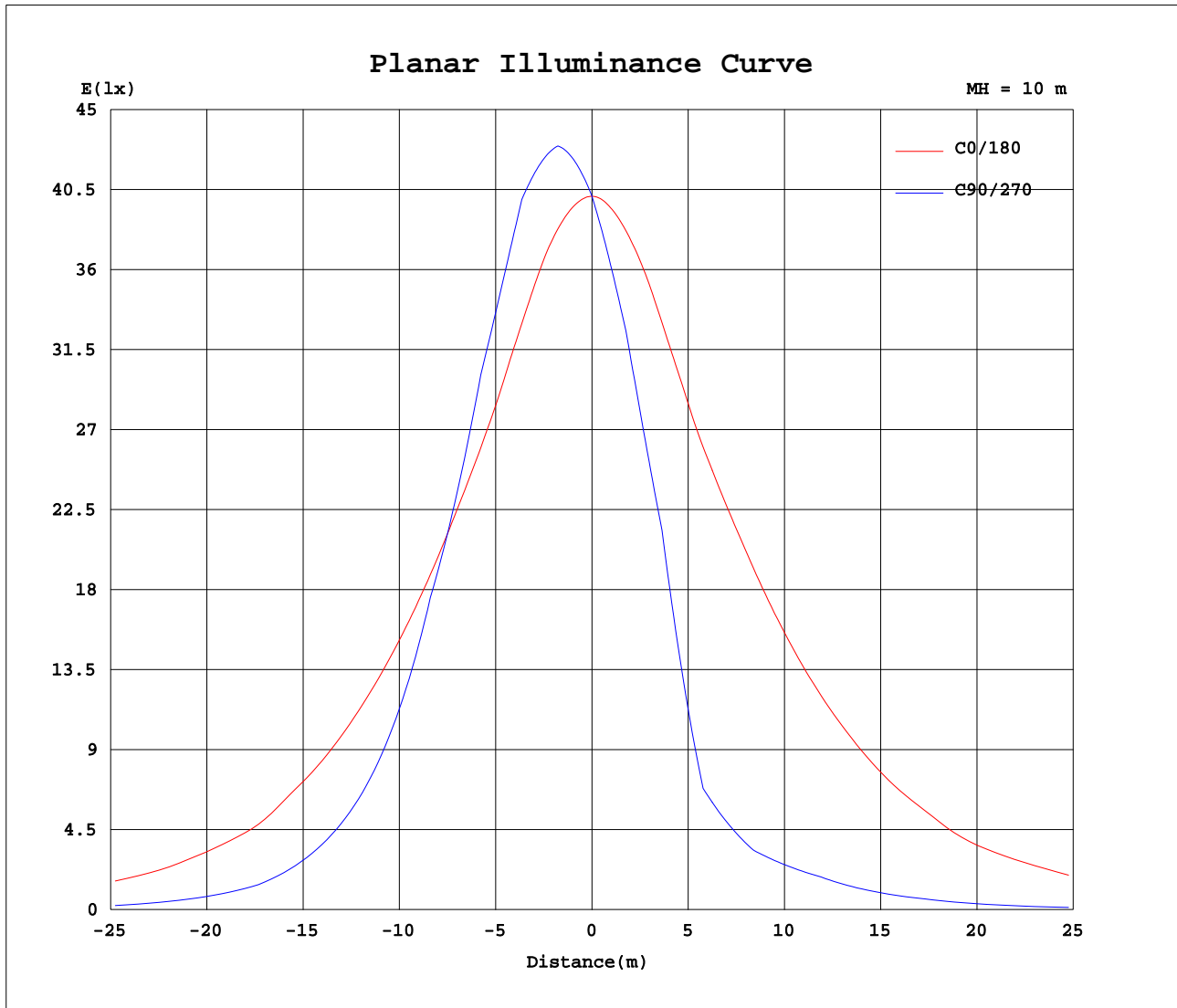


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-10-17

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:13.440m [K=1.0000]
Remarks:

Planar Illuminance Curve



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 H(β) Interval: 0.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-10-17

V(B) Range:-90 - 90DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:65.0%
 Test Distance:13.440m [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
-90	1.74	4.15	4.18	4.03	3.88	3.76	3.60	3.46	3.48	3.71	3.76	3.86	3.89	3.75	3.64	3.53	3.47	3.42	3.51
-85	1.65	3.82	4.06	5.46	6.85	8.53	10.7	13.4	16.9	21.5	26.5	33.0	42.4	45.8	47.6	48.2	47.7	48.1	47.8
-80	1.56	3.50	3.93	6.88	9.83	13.3	17.9	23.3	30.2	39.3	49.2	62.1	80.9	87.8	91.6	92.9	92.0	92.7	92.0
-75	1.44	3.07	5.91	12.6	22.8	37.1	51.4	66.3	86.3	103	114	128	149	163	184	190	187	186	185
-70	1.32	2.64	7.89	18.2	35.8	60.9	84.9	109	142	167	178	194	216	239	277	287	282	278	278
-65	1.19	2.55	10.7	31.0	94.4	417	670	733	710	681	709	745	777	764	744	721	710	704	704
-60	1.05	2.45	13.6	43.8	153	774	1255	1356	1277	1195	1240	1295	1337	1288	1210	1156	1138	1130	1129
-55	0.96	2.68	19.1	87.2	754	1836	2410	2572	2559	2449	2325	2217	2123	1994	1883	1808	1796	1804	1807
-50	0.86	2.91	24.6	131	1355	2898	3565	3787	3841	3703	3410	3138	2910	2699	2555	2460	2455	2478	2484
-45	0.80	3.29	34.1	282	2129	3624	4254	4519	4556	4377	4083	3800	3550	3342	3193	3105	3120	3174	3195
-40	0.74	3.68	43.7	433	2904	4350	4943	5251	5271	5051	4755	4463	4191	3985	3830	3751	3785	3870	3906
-35	0.73	4.20	59.0	765	3379	4669	5166	5561	5549	5318	5044	4768	4509	4317	4190	4145	4176	4244	4268
-30	0.72	4.72	74.2	1096	3854	4988	5389	5871	5826	5586	5333	5074	4827	4648	4551	4540	4566	4618	4630
-25	0.70	4.87	92.0	1347	3997	4979	5451	5808	5758	5534	5290	5062	4840	4687	4615	4620	4659	4705	4722
-20	0.67	5.01	110	1598	4140	4970	5513	5745	5691	5481	5248	5050	4854	4726	4679	4699	4752	4793	4814
-15	0.65	5.36	132	1777	4054	4780	5314	5509	5443	5252	5053	4861	4683	4585	4559	4578	4611	4641	4656
-10	0.62	5.70	154	1957	3969	4591	5115	5272	5196	5022	4858	4672	4513	4443	4438	4456	4470	4489	4498
-5	0.58	5.73	152	1864	3704	4298	4778	4914	4861	4716	4564	4400	4260	4210	4209	4227	4234	4247	4255
0	0.55	5.75	150	1772	3440	4004	4441	4555	4526	4409	4271	4128	4007	3977	3980	3998	3999	4005	4013
5	0.54	6.46	145	1591	3102	3628	4020	4123	4112	4019	3899	3786	3693	3662	3666	3683	3691	3700	3711
10	0.53	7.16	141	1411	2765	3253	3598	3691	3698	3629	3527	3444	3378	3347	3353	3368	3383	3395	3409
15	0.52	6.01	115	1121	2311	2747	3046	3204	3212	3158	3090	3034	2974	2939	2945	2966	2976	2984	2991
20	0.51	4.85	89.2	832	1857	2242	2495	2717	2725	2688	2652	2625	2571	2531	2536	2564	2570	2574	2572
25	0.50	4.22	73.6	592	1371	1665	1867	2105	2146	2111	2066	2018	1947	1888	1856	1842	1826	1817	1812
30	0.50	3.58	58.0	352	886	1089	1240	1493	1566	1534	1480	1411	1324	1245	1176	1120	1081	1061	1051
35	0.48	3.03	45.9	237	589	740	813	954	1027	1043	1038	992	935	898	883	880	885	895	898
40	0.47	2.48	33.8	122	292	391	386	415	487	552	597	573	546	550	589	639	689	729	744
45	0.48	2.15	26.0	85.9	190	262	275	301	350	397	434	445	460	496	553	612	663	702	717
50	0.48	1.81	18.2	50.3	88.0	132	164	188	213	242	270	316	374	443	516	586	636	676	690
55	0.48	1.43	12.6	35.7	63.6	96.2	124	148	168	189	215	254	315	404	491	559	579	579	586
60	0.47	1.06	7.06	21.0	39.2	60.7	83.6	108	123	136	159	193	256	366	466	532	523	483	481
65	0.47	0.79	5.16	14.2	25.8	40.7	57.5	76.7	86.8	97.8	114	140	184	250	308	348	347	330	328
70	0.47	0.51	3.27	7.42	12.5	20.7	31.3	45.6	50.1	59.4	69.1	86.7	113	134	151	164	170	178	175
75	0.47	0.52	1.95	4.58	7.70	12.3	18.0	25.7	29.1	34.2	39.5	49.1	62.9	73.9	82.9	89.2	92.7	99.0	99.9
80	0.47	0.53	0.62	1.74	2.91	3.83	4.76	5.84	8.12	8.94	10.0	11.6	13.0	13.9	14.4	14.0	15.0	20.3	24.5
85	0.48	0.54	0.66	1.22	1.79	2.21	2.62	3.10	4.17	4.51	5.01	5.78	6.52	6.95	7.22	7.02	7.52	10.1	12.3
90	0.48	0.55	0.69	0.70	0.66	0.58	0.48	0.36	0.22	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
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V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:13.440m [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	
-90	3.67	3.77	3.93	4.16	4.30	4.42	4.70	4.97	5.22	5.53	5.87	6.38	7.09	7.79	8.48	9.05	9.14	3.32	
-85	47.6	46.3	46.4	43.2	42.4	36.8	28.7	24.1	20.9	18.3	16.3	14.4	12.5	11.0	9.17	8.59	8.35	3.03	
-80	91.6	88.8	89.0	82.2	80.5	69.2	52.7	43.3	36.6	31.0	26.7	22.3	17.9	14.2	9.87	8.12	7.57	2.73	
-75	182	179	181	161	143	131	108	97.0	86.7	71.5	57.2	46.5	35.1	23.5	14.7	8.93	6.88	2.40	
-70	273	270	272	241	205	193	164	151	137	112	87.7	70.6	52.2	32.9	19.5	9.75	6.19	2.06	
-65	696	693	699	703	703	669	586	554	511	503	470	329	115	52.2	27.1	12.0	5.39	1.78	
-60	1118	1116	1126	1165	1201	1146	1008	956	885	893	851	586	178	71.4	34.7	14.3	4.58	1.50	
-55	1783	1767	1782	1850	1942	2008	2043	2139	2193	2145	2104	1763	986	162	48.9	16.9	4.17	1.33	
-50	2447	2419	2439	2535	2682	2871	3078	3322	3501	3396	3357	2940	1793	253	63.1	19.5	3.76	1.17	
-45	3133	3067	3082	3181	3329	3534	3765	4035	4237	4248	4037	3705	2668	813	101	24.1	3.74	1.05	
-40	3818	3715	3725	3827	3976	4196	4452	4749	4972	5101	4716	4470	3543	1373	139	28.6	3.72	0.93	
-35	4203	4120	4116	4190	4324	4535	4787	5041	5278	5403	5140	4731	3954	1916	197	32.7	3.75	0.90	
-30	4589	4526	4507	4553	4671	4873	5122	5334	5584	5705	5563	4992	4364	2459	255	36.9	3.79	0.88	
-25	4684	4623	4597	4617	4709	4879	5087	5294	5527	5639	5551	4959	4384	2740	367	41.1	3.98	0.87	
-20	4780	4720	4687	4681	4747	4885	5051	5253	5470	5573	5539	4926	4404	3021	479	45.3	4.18	0.86	
-15	4634	4596	4572	4558	4594	4711	4870	5029	5217	5319	5271	4707	4236	2997	552	46.9	4.01	0.85	
-10	4488	4472	4458	4435	4442	4538	4689	4804	4963	5065	5003	4488	4068	2972	626	48.6	3.85	0.84	
-5	4249	4241	4229	4205	4201	4269	4392	4499	4626	4704	4632	4165	3766	2786	644	49.7	4.05	0.84	
0	4010	4009	4000	3974	3959	4000	4095	4193	4289	4343	4262	3841	3465	2601	662	50.8	4.25	0.84	
5	3705	3698	3683	3655	3635	3664	3722	3795	3868	3884	3818	3414	3013	2244	553	48.1	4.46	0.85	
10	3400	3386	3365	3337	3311	3327	3349	3396	3447	3425	3374	2987	2561	1887	445	45.4	4.68	0.85	
15	2985	2970	2941	2898	2868	2877	2882	2897	2919	2892	2815	2443	2058	1457	334	42.1	4.34	0.85	
20	2569	2554	2517	2460	2426	2428	2416	2397	2391	2359	2256	1899	1555	1027	223	38.9	3.99	0.85	
25	1806	1799	1789	1775	1778	1803	1827	1834	1837	1788	1603	1341	1108	694	158	33.2	3.47	0.85	
30	1043	1045	1060	1090	1130	1179	1238	1272	1283	1217	950	783	661	361	94.0	27.6	2.95	0.85	
35	882	861	844	827	822	836	864	859	832	769	615	509	426	233	73.3	23.0	2.55	0.85	
40	722	677	628	564	514	492	489	445	381	321	279	235	191	105	52.6	18.4	2.15	0.85	
45	694	649	597	528	466	419	387	343	296	252	216	177	137	78.2	39.9	14.3	1.81	0.83	
50	667	621	567	493	417	346	285	241	211	183	152	118	82.6	51.8	27.1	10.3	1.48	0.81	
55	571	566	542	468	377	287	225	188	161	138	117	87.7	60.4	37.4	19.4	7.57	1.30	0.83	
60	474	512	518	442	338	228	166	134	111	93.9	80.7	57.0	38.3	23.1	11.8	4.85	1.13	0.84	
65	321	335	332	285	222	156	116	93.4	77.3	63.6	54.0	37.8	24.9	15.1	7.96	3.29	1.04	0.84	
70	169	158	146	129	107	84.4	64.8	52.5	43.6	33.3	27.4	18.6	11.4	7.15	4.15	1.73	0.95	0.84	
75	93.8	85.0	78.7	69.4	58.2	46.2	35.8	29.0	24.1	18.5	15.2	10.4	6.54	4.32	2.80	1.39	0.92	0.86	
80	18.6	12.3	10.9	10.1	9.19	7.93	6.73	5.58	4.60	3.75	2.92	2.29	1.65	1.49	1.46	1.04	0.89	0.89	
85	9.30	6.17	5.46	5.06	4.59	3.96	3.37	2.81	2.39	2.05	1.73	1.52	1.28	1.28	1.28	1.06	0.96	0.89	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19	0.36	0.55	0.75	0.90	1.07	1.09	1.08	1.03	0.89	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-10-17

V(B) Range:-90 - 90DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:65.0%
Test Distance:13.440m [K=1.0000]
Remarks: