

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

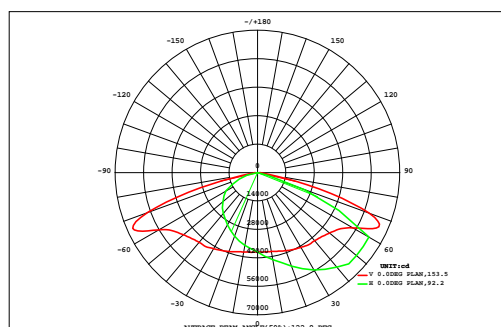
Maximum Intensity		356.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	148.8V x 161.9H
	At 50% of Imax	92.2V x 153.5H
	At 90% of Imax	28.7V x 148.4H
Beam Flux	Total	994.5 lumens per klm.
	To 10% of Imax	983.1 lumens per klm.
	To 50% of Imax	767.0 lumens per klm.
	To 90% of Imax	95.3 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(_b) Range:-90 - 90DEG
H(_b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Dat2020-04-1818

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME: 1200W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.73	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	67300
NOMINAL POWER(W)	1200	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	187041
NOMINAL FLUX(lm)	188799	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	188799
TEST VOLTAGE(V)	230	q @50%(H,V)	154,92DEG

AREA FLUX DIAGRAM																	UNIT:lm		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	0.00	0.00
80	1.76	7.82	14.8	24.5	41.0	53.3	66.0	76.0	106	102	75.6	65.8	52.7	39.5	23.3	14.5	7.59	1.68	774	132
70	2.88	16.4	47.5	108	190	274	350	379	406	407	385	359	283	199	110	47.8	16.7	2.85	3583	3289
60	3.54	29.1	118	218	342	465	568	605	623	627	614	581	480	359	228	124	28.3	3.51	6016	5908
50	4.43	55.2	273	400	526	635	697	728	744	746	733	706	649	544	423	295	50.4	4.27	8213	8166
40	5.05	121	469	541	636	724	786	825	847	849	832	797	742	660	577	511	117	4.94	10043	10015
30	5.63	185	633	670	742	815	879	924	951	953	931	891	837	772	713	683	179	5.48	11767	11744
20	6.11	247	731	773	841	911	976	1026	1057	1060	1032	989	936	875	813	767	233	5.77	13280	13262
10	6.32	264	772	828	922	1024	1092	1127	1145	1148	1135	1107	1047	950	860	800	249	6.28	14482	14465
0	6.39	266	801	875	991	1126	1209	1239	1249	1253	1248	1224	1147	1013	898	819	248	6.39	15619	15602
-10	6.19	237	808	905	1038	1210	1326	1371	1386	1393	1382	1341	1225	1050	918	811	211	5.65	16623	16604
-20	5.02	174	747	944	1060	1241	1399	1505	1571	1581	1524	1423	1254	1065	951	741	157	5.23	17348	17326
-30	4.21	112	643	976	1092	1266	1461	1631	1747	1759	1658	1492	1281	1094	980	627	102	4.87	17932	17904
-40	4.11	52.3	451	996	1144	1283	1499	1739	1902	1919	1774	1536	1303	1150	1000	428	47.1	4.62	18234	18192
-50	3.95	29.3	216	756	1276	1430	1599	1796	1907	1917	1816	1621	1425	1272	766	203	29.0	4.40	18068	18000
-60	3.79	13.9	52.3	461	1077	1238	1305	1417	1473	1476	1421	1304	1202	1059	471	48.3	16.3	4.13	14042	13928
-70	3.62	13.4	27.2	80.9	235	365	257	232	236	235	226	233	295	208	81.5	28.0	14.2	3.77	2775	2504
-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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
F t	73.0	1824	6805	9556	12154	14061	15470	16618	17350	17424	16788	15669	14156	12311	9813	6948	1704	73.9	188799	---
F a	0.00	1656	6647	9446	12078	13988	15386	16535	17301	17371	16705	15588	14088	12240	9708	6785	1518	0.00	---	187041

one-half-peak spread: U:23.3,D:70.0 , L:11.0,R:10.6

NEMA Beam Type: Type 7

H(b) Range:-90 - 90DEG

H(b) Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Dat2020-04-1818

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

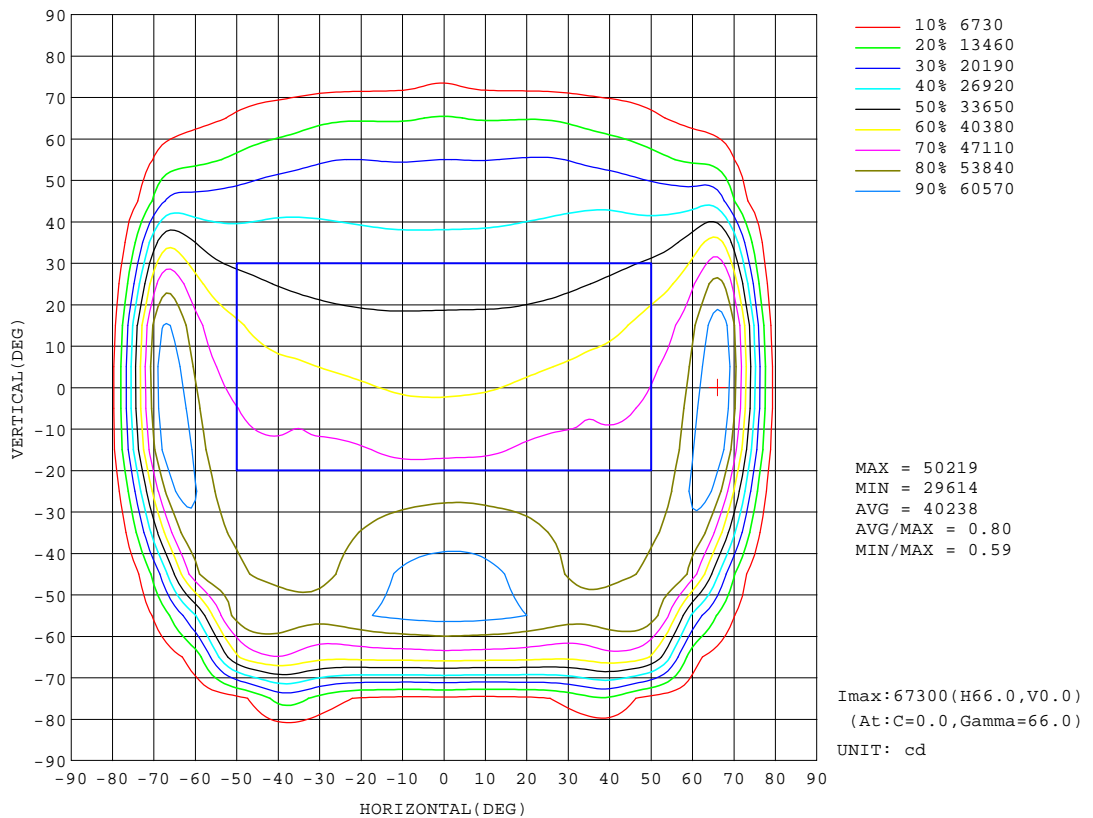
Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.:	SUR.:0.65x0.73	Shielding Angle:

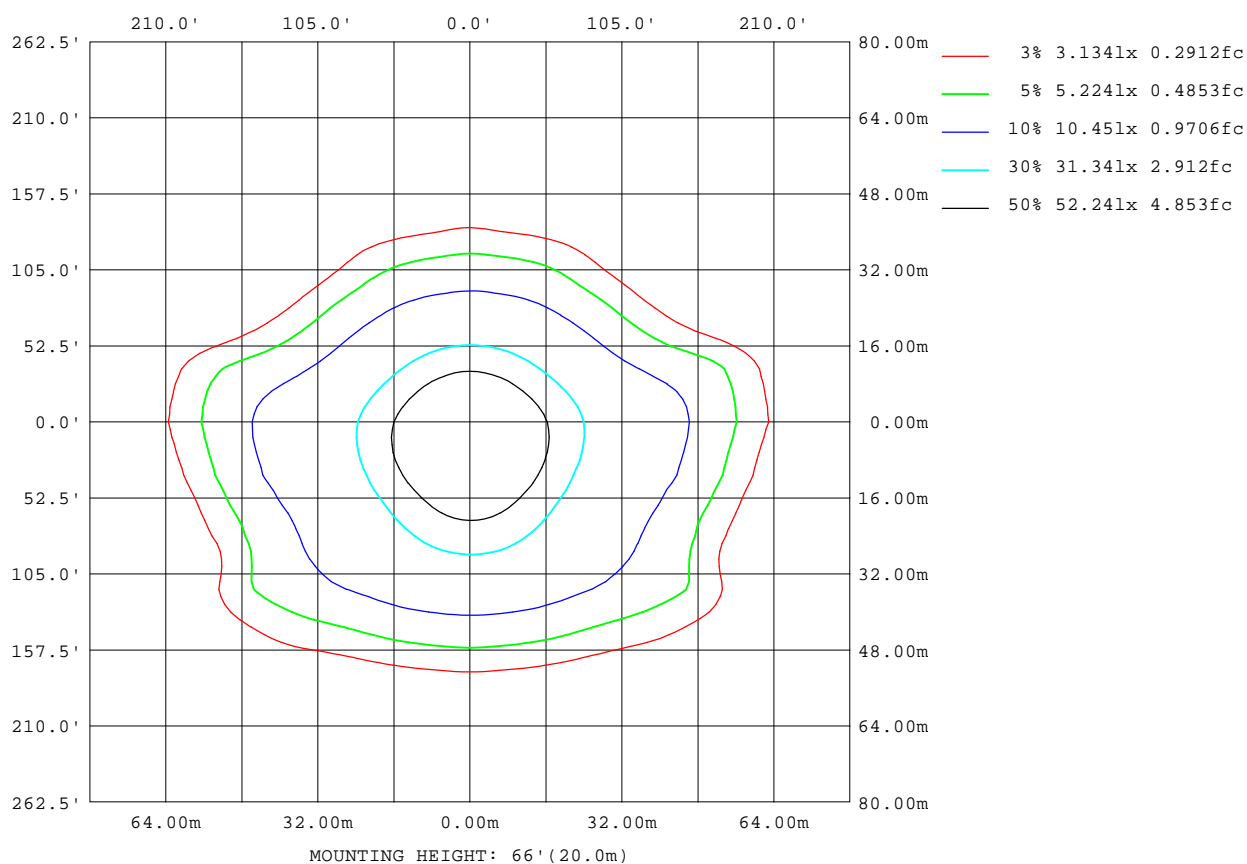


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Dat2020-04-1818

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

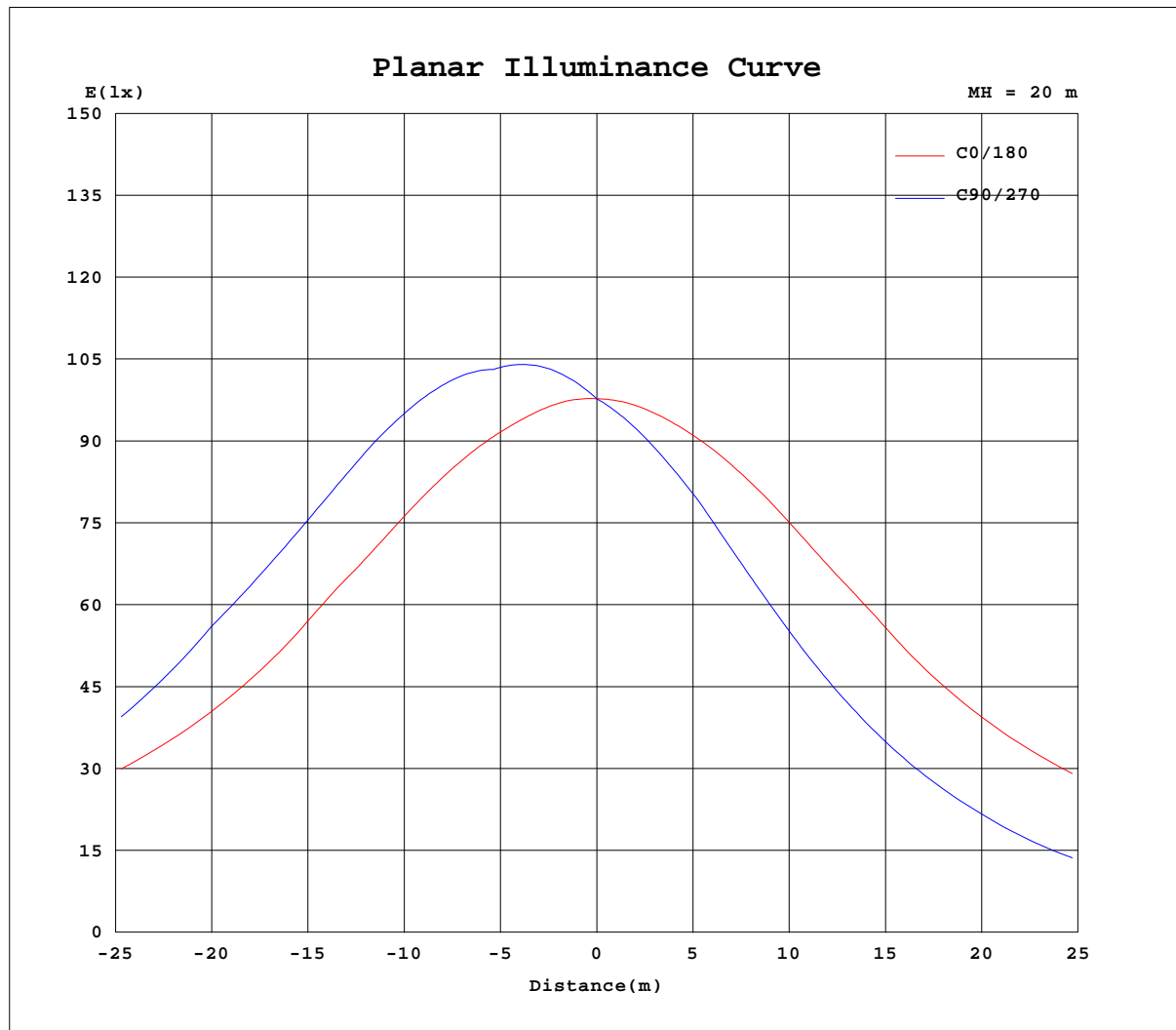
Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME: 1200W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.:	SUR.:0.65x0.73	Shielding Angle:



H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Dat2020-04-1818

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

Planar Illuminance Curve



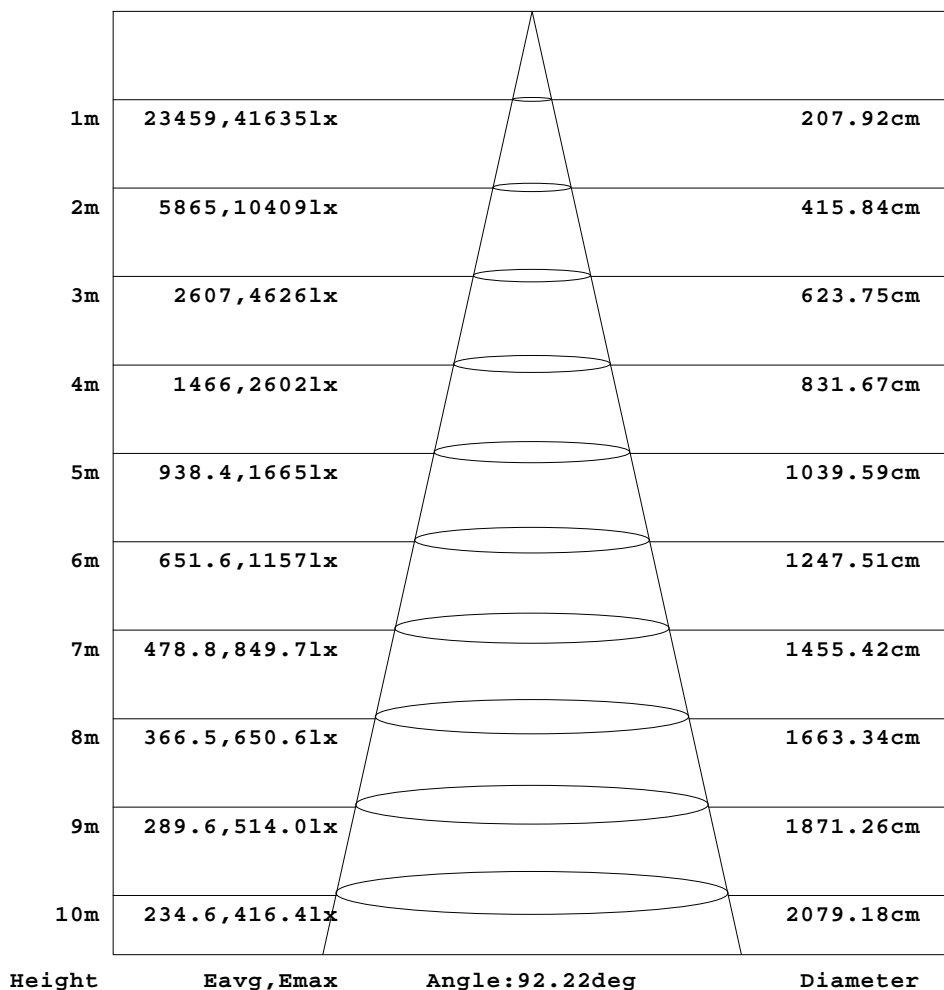
H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Dat2020-04-1818

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

AAI Figure

Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME: 1200W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.:	SUR.:0.65x0.73	Shielding Angle:

Flux out:81838 lm



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

H(b) Range: -90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 30DEG
Operators: DAMIN
Test Dat: 2020-04-1818

V(B) Range: -75 - 75DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.230m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.:	SUR.:0.65x0.73	Shielding Angle:

Table--1

UNIT: x10cd

H(°) \ V(°)	-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	120	131	148	169	187	207	242	303	478	944	1547	1524	1113	787	614	563	519	521	558
-70	117	133	155	184	230	369	639	1390	2199	2745	3121	3024	2703	2514	2451	2447	2432	2448	2485
-65	115	134	163	199	273	532	1037	2477	3920	4546	4694	4525	4294	4240	4288	4332	4344	4375	4412
-60	113	136	170	214	316	694	1434	3564	5641	6347	6268	6025	5884	5966	6125	6216	6257	6302	6339
-55	110	136	178	296	729	1598	2674	4333	5619	6001	5898	5724	5667	5787	5970	6117	6221	6297	6342
-50	107	135	186	377	1142	2502	3913	5102	5598	5654	5528	5424	5451	5608	5815	6018	6185	6292	6346
-45	105	135	194	458	1555	3406	5152	5871	5576	5308	5159	5124	5234	5429	5660	5920	6149	6288	6350
-40	102	137	218	786	2276	4175	5511	5735	5411	5194	5092	5092	5207	5353	5530	5730	5909	6023	6078
-35	99.9	140	243	1113	2998	4945	5871	5599	5247	5080	5024	5060	5179	5278	5400	5540	5669	5759	5805
-30	97.4	143	267	1440	3719	5715	6230	5463	5082	4966	4957	5028	5151	5202	5270	5350	5429	5495	5533
-25	95.0	151	357	1851	4245	6018	6108	5350	5024	4915	4907	4985	5046	5073	5098	5121	5148	5185	5215
-20	92.6	158	446	2261	4772	6322	5986	5236	4966	4864	4857	4942	4941	4944	4926	4892	4868	4876	4897
-15	90.2	166	535	2671	5299	6625	5864	5122	4907	4814	4807	4899	4836	4815	4754	4663	4587	4566	4579
-10	88.5	169	558	2830	5475	6567	5724	5039	4815	4698	4664	4715	4642	4601	4532	4444	4373	4350	4356
-5	86.8	171	580	2988	5651	6509	5584	4955	4723	4582	4521	4532	4448	4388	4310	4224	4159	4135	4134
0	85.1	173	603	3146	5828	6450	5444	4871	4631	4467	4378	4348	4254	4174	4088	4005	3945	3919	3912
5	82.6	171	567	3026	5718	6275	5284	4716	4463	4279	4169	4117	4031	3962	3895	3833	3791	3775	3772
10	80.2	170	532	2906	5608	6100	5124	4561	4295	4091	3961	3885	3809	3750	3702	3662	3638	3632	3632
15	77.8	168	496	2786	5498	5924	4965	4406	4127	3903	3752	3653	3586	3539	3509	3490	3484	3488	3493
20	76.1	161	444	2365	4973	5499	4616	4095	3852	3672	3546	3463	3406	3364	3336	3317	3310	3313	3317
25	74.4	154	393	1945	4448	5074	4268	3784	3577	3441	3340	3273	3225	3190	3163	3144	3136	3137	3142
30	72.7	148	341	1524	3924	4648	3919	3473	3302	3210	3134	3083	3044	3015	2991	2972	2962	2962	2966
35	71.5	140	312	1194	3100	3841	3363	3077	2982	2955	2932	2907	2879	2852	2828	2806	2794	2793	2796
40	70.4	132	283	864	2276	3034	2806	2681	2663	2699	2731	2730	2714	2690	2665	2641	2627	2624	2626
45	69.3	125	254	534	1453	2227	2249	2285	2343	2444	2529	2554	2548	2527	2502	2475	2459	2455	2456
50	68.5	115	223	434	1077	1637	1714	1796	1903	2030	2133	2202	2254	2270	2259	2236	2224	2230	2238
55	67.8	106	192	334	701	1046	1179	1307	1462	1616	1738	1850	1960	2014	2016	1998	1989	2005	2019
60	67.0	97.0	161	234	325	456	645	818	1021	1203	1342	1498	1665	1757	1773	1759	1754	1779	1800
65	67.4	91.4	142	200	265	355	484	607	755	888	985	1093	1212	1278	1292	1287	1291	1343	1381
70	67.8	85.7	124	166	205	253	324	395	488	572	628	688	758	799	811	815	829	907	961
75	68.1	80.1	106	133	145	152	164	183	222	257	270	283	305	319	330	344	367	471	542
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:30DEG
Operators:DAMIN
Test Dat2020-04-1818

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.230m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:10.179V I:0A P:0W PF:0.0000 Freq:50.04Hz Lamp Flux:188799x1 lm		
NAME: 1200W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.65x0.73	DIM.: 0.65x0.73	SERIAL No.:
MFR.:	SUR.:0.65x0.73	Shielding Angle:

Table--2

UNIT: x10cd

H(°) \ V(°)	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	518	489	519	549	653	879	1186	1250	796	434	304	252	212	196	179	158	135	121
-70	2452	2425	2432	2426	2446	2549	2770	2885	2624	2202	1428	613	355	242	200	170	139	119
-65	4387	4361	4345	4303	4239	4219	4354	4519	4452	3970	2551	974	499	289	222	183	142	117
-60	6321	6297	6257	6180	6031	5889	5938	6154	6280	5738	3675	1335	642	336	243	195	146	115
-55	6330	6279	6185	6055	5876	5709	5693	5838	5965	5692	4431	2564	1497	691	297	203	148	114
-50	6338	6262	6114	5930	5721	5529	5448	5522	5650	5647	5187	3792	2352	1047	351	210	150	113
-45	6346	6244	6042	5805	5566	5350	5202	5206	5336	5601	5943	5021	3208	1402	405	217	152	111
-40	6075	5991	5837	5660	5477	5312	5162	5129	5213	5432	5792	5443	4008	2099	694	234	154	111
-35	5805	5739	5633	5515	5388	5275	5122	5053	5091	5262	5640	5865	4809	2795	983	250	156	110
-30	5534	5486	5429	5370	5299	5237	5081	4977	4969	5092	5489	6286	5609	3491	1272	266	158	109
-25	5220	5198	5186	5181	5156	5122	5044	4939	4936	5049	5389	6193	5961	4001	1604	309	163	107
-20	4907	4909	4944	4991	5014	5007	5006	4900	4902	5006	5289	6100	6312	4512	1935	352	168	106
-15	4593	4621	4701	4802	4871	4892	4969	4862	4869	4962	5190	6008	6663	5022	2267	395	173	104
-10	4373	4402	4479	4578	4658	4704	4794	4735	4775	4897	5135	5889	6675	5262	2482	435	173	102
-5	4152	4183	4256	4354	4444	4515	4620	4608	4681	4832	5081	5771	6687	5502	2698	476	172	101
0	3932	3964	4033	4131	4231	4327	4445	4481	4586	4767	5027	5652	6699	5742	2914	517	172	99.3
5	3787	3809	3858	3933	4015	4103	4215	4282	4412	4617	4895	5524	6556	5637	2797	483	168	96.6
10	3643	3654	3684	3735	3798	3879	3985	4083	4238	4467	4764	5396	6412	5531	2680	450	164	93.9
15	3498	3499	3509	3537	3582	3655	3754	3883	4063	4317	4632	5268	6269	5426	2563	417	160	91.2
20	3322	3325	3338	3366	3407	3471	3556	3667	3822	4034	4324	4947	5901	4943	2202	389	155	89.3
25	3146	3151	3167	3194	3232	3287	3359	3450	3580	3751	4016	4626	5533	4459	1840	361	151	87.5
30	2971	2978	2996	3023	3057	3103	3161	3233	3339	3468	3709	4304	5164	3976	1478	332	147	85.7
35	2801	2809	2828	2858	2891	2932	2976	3021	3068	3129	3279	3680	4266	3110	1146	301	138	83.9
40	2631	2640	2661	2692	2726	2761	2792	2809	2797	2791	2849	3056	3368	2245	815	270	130	82.1
45	2461	2471	2494	2527	2560	2590	2607	2597	2527	2452	2419	2432	2470	1379	483	239	122	80.4
50	2237	2239	2260	2291	2308	2296	2256	2203	2108	1993	1894	1836	1800	1032	401	213	114	78.6
55	2013	2007	2027	2054	2056	2002	1905	1808	1689	1533	1368	1239	1130	684	319	187	106	76.8
60	1788	1775	1794	1818	1804	1708	1554	1414	1270	1074	843	642	460	337	237	161	97.8	75.1
65	1340	1304	1310	1322	1309	1239	1129	1032	929	784	620	482	357	273	201	140	90.8	73.5
70	891	833	826	826	814	769	705	650	589	494	398	321	253	208	165	120	83.9	72.0
75	443	362	341	330	319	300	280	269	248	204	176	160	149	143	129	99.9	76.9	70.5
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:30DEG

Operators:DAMIN

Test Dat2020-04-1818

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks: