

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

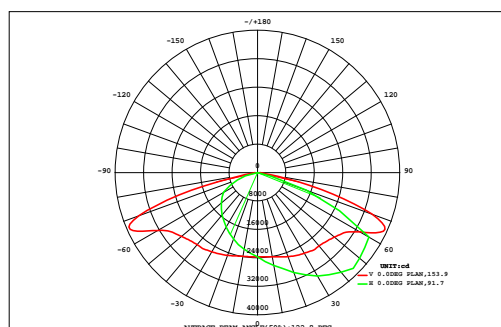
Maximum Intensity		346.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	149.7V x 161.9H
	At 50% of Imax	91.7V x 153.9H
	At 90% of Imax	29.2V x 148.7H
Beam Flux	Total	994.6 lumens per klm.
	To 10% of Imax	983.9 lumens per klm.
	To 50% of Imax	779.1 lumens per klm.
	To 90% of Imax	107.5 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 Date:2020-04-13

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:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
NAME: 720W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	Shielding Angle:



DATA OF LAMP		Eff:159.07lm/W	
MODEL	5050	Imax(cd)	39324
NOMINAL POWER(W)	720	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	112496
NOMINAL FLUX(lm)	113492	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	113492
TEST VOLTAGE(V)	230	q @50%(H,V)	154,92DEG

		AREA FLUX DIAGRAM																UNIT:lm		F t	F a												
		0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.28	0.00												
VERTICAL(DEG)	90	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.00	0.28	0.00												
	80	1.21	5.15	9.63	15.0	24.5	32.8	41.4	47.9	64.3	72.9	48.3	40.9	32.4	24.3	14.8	8.86	4.87	1.20	490	132												
	70	1.94	11.3	34.2	74.2	130	181	226	240	251	255	235	220	175	120	65.9	26.7	9.61	1.94	2258	2107												
	60	2.32	20.2	90.3	152	230	302	360	377	381	380	369	350	292	214	134	66.7	16.1	2.31	3737	3680												
	50	2.82	38.1	216	278	334	390	421	436	440	438	428	411	379	321	244	157	29.2	2.73	4967	4941												
	40	3.17	82.1	340	372	403	445	477	496	505	503	489	467	433	384	327	283	69.0	3.15	6079	6063												
	30	3.56	123	433	448	468	502	535	558	570	568	551	525	489	446	403	385	108	3.51	7118	7105												
	20	4.05	157	463	490	527	565	598	622	636	635	615	585	550	509	466	440	144	3.71	8011	8000												
	10	4.13	160	473	511	569	632	672	688	693	692	681	659	618	557	498	464	158	3.89	8732	8723												
	0	4.16	155	477	528	604	691	743	759	761	759	753	733	679	597	524	480	160	3.91	9411	9402												
	-10	4.04	136	468	538	626	735	810	842	849	848	838	804	726	621	538	479	138	3.62	10004	9994												
	-20	3.29	101	430	554	636	750	854	922	960	958	918	851	743	630	558	442	105	3.18	10417	10405												
	-30	2.77	67.0	369	571	655	764	891	996	1062	1059	989	887	757	646	573	376	70.0	2.85	10738	10723												
	-40	2.70	33.3	259	590	690	779	914	1057	1146	1143	1046	903	767	676	578	254	31.5	2.76	10873	10850												
	-50	2.65	18.9	129	475	757	840	949	1057	1111	1117	1058	939	834	735	420	123	18.2	2.65	10586	10547												
	-60	2.57	9.13	36.6	309	644	717	763	820	845	851	827	764	722	611	244	31.7	9.18	2.50	8209	8140												
-70	2.42	8.69	17.6	55.4	179	228	155	141	150	146	143	175	252	137	44.7	16.7	8.55	2.31	1863	1688													
-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	47.8	1126	4245	5961	7475	8554	9408	10059	10423	10424	9987	9314	8449	7228	5631	4035	1078	46.21	113492	---													
F a	0.00	1031	4152	5913	7439	8511	9358	10014	10392	10404	9942	9262	8408	7188	5568	3942	974	0.00	---	112496													

one-half-peak spread: U:23.0,D:69.7 , L:11.1,R:9.9

NEMA Beam Type: Type 7

H_b Range:-90 - 90DEGH_b Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-13

V(B) Range:-75 - 75DEG

V(B) Interval: 5.0DEG

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

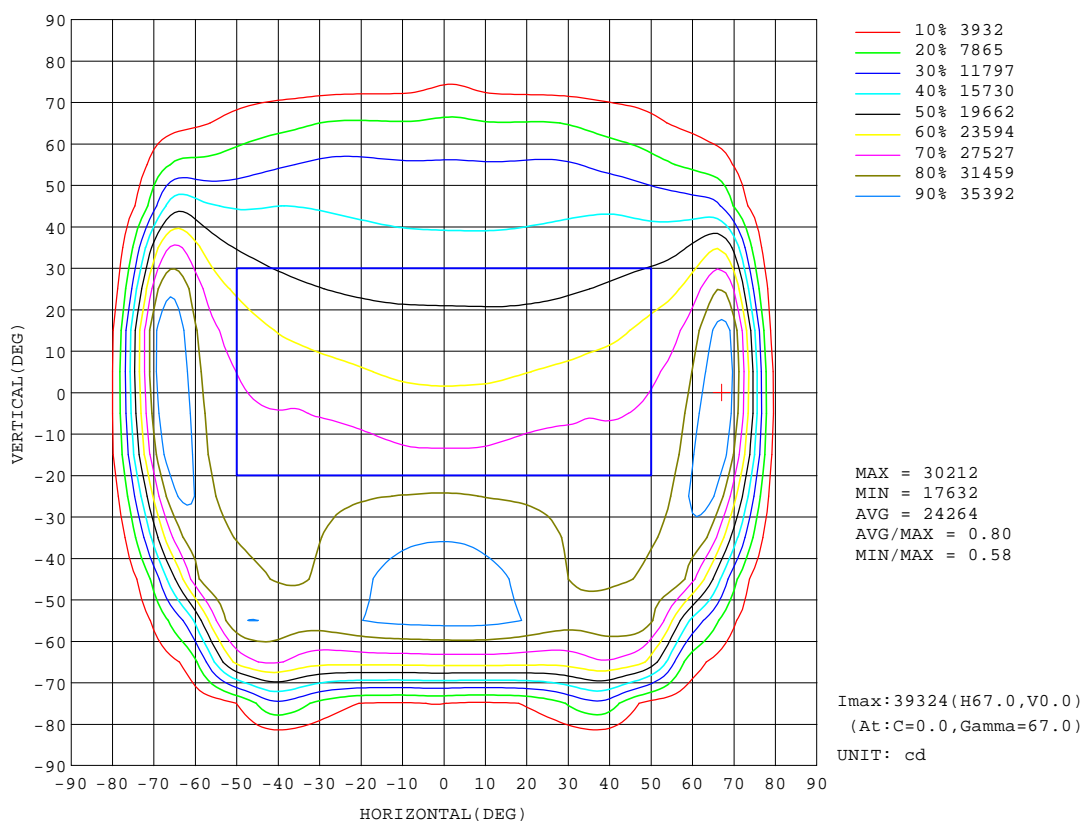
Humidity:65.0%

Test Distance:8.230m [K=1.0000]

Remarks:

ISOCANDELA DIAGRAM

Test:U:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
NAME: 720W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.:	SUR.:0.6x0.4	Shielding Angle:

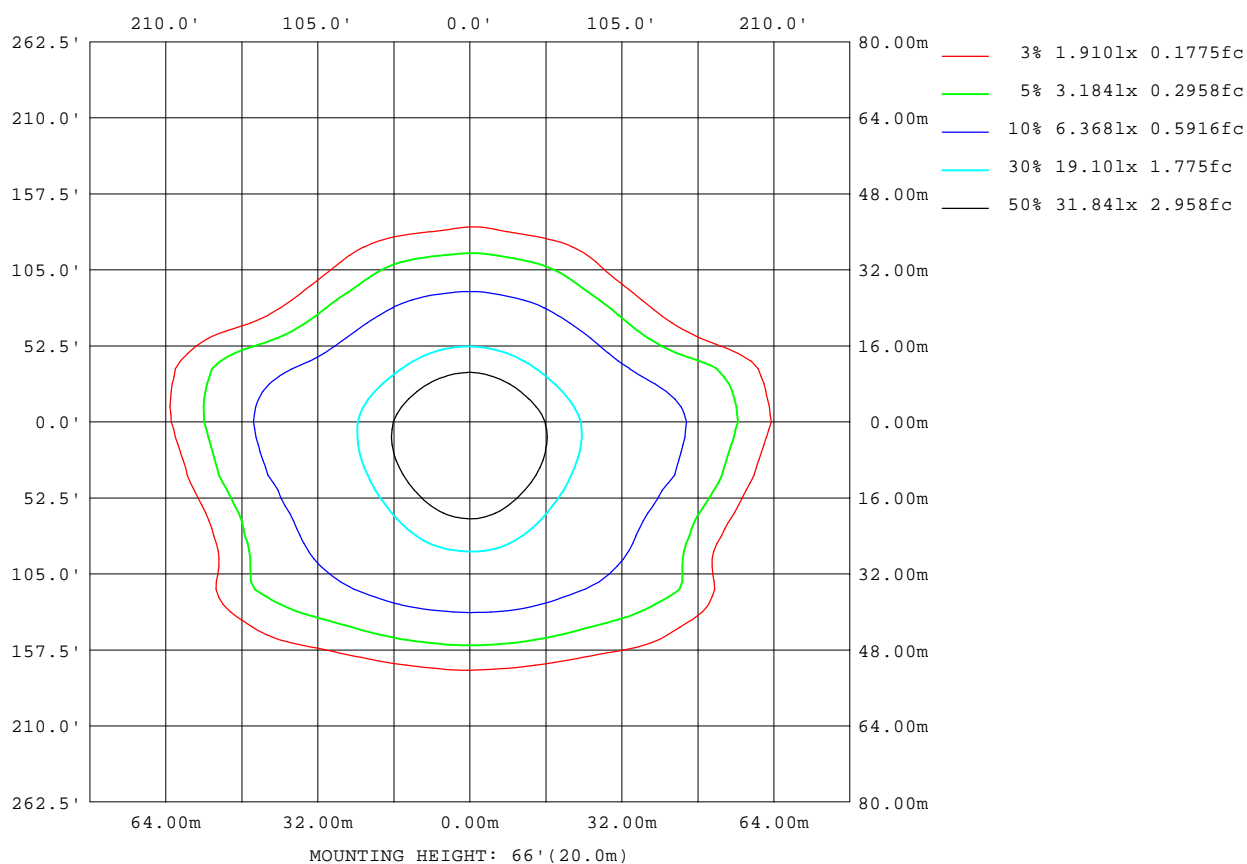


H(b) Range:-90 - 90DEG
H(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-13

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

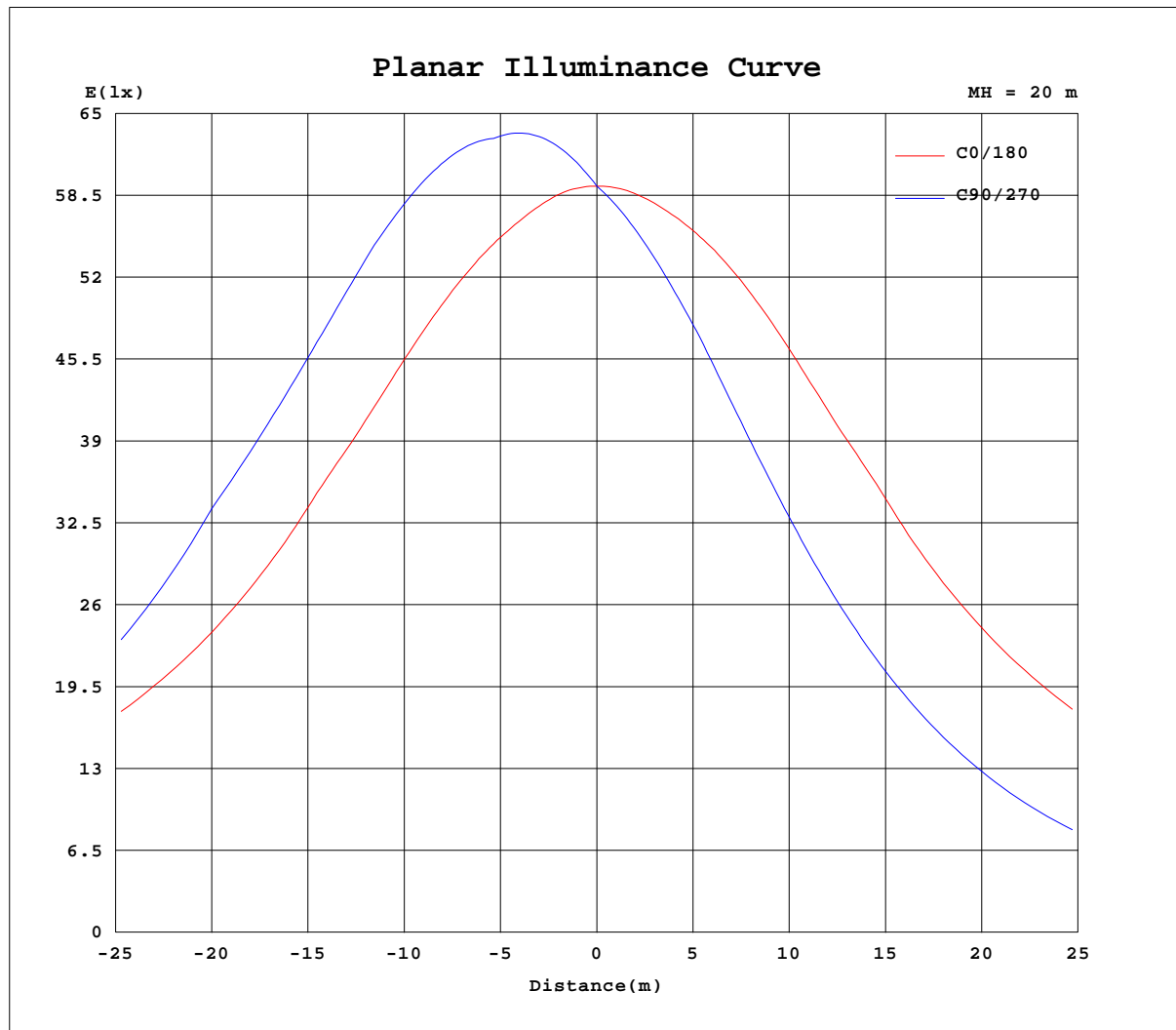
Test:U:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
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SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.:	SUR.:0.6x0.4	Shielding Angle:



H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-13

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



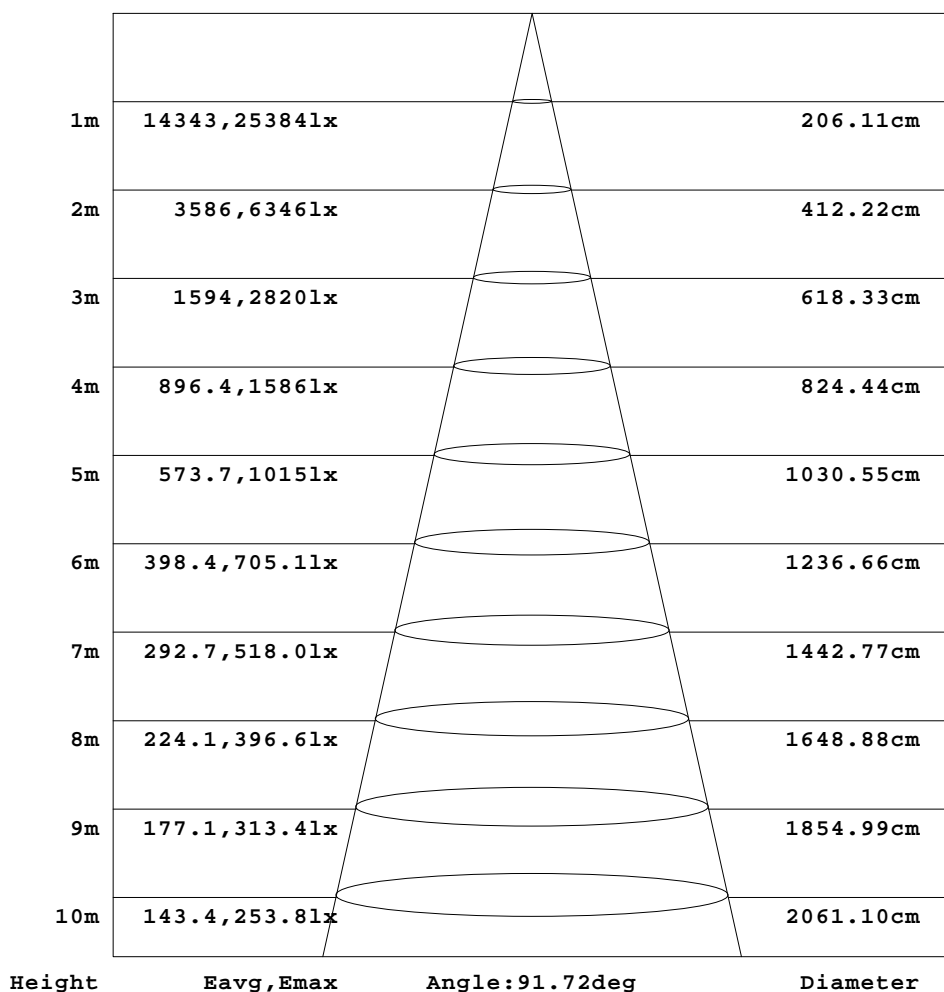
H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-13

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:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
NAME: 720W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	Shielding Angle:

Flux out:48319 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 Date:2020-04-13

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:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
NAME: 720W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.:	SUR.:0.6x0.4	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	80.2	87.1	99.7	110	118	132	163	213	398	819	1093	933	669	488	386	360	356	389	396
-70	79.0	88.2	104	118	152	240	443	935	1427	1782	1937	1780	1591	1492	1448	1441	1439	1461	1471
-65	77.9	89.3	108	127	186	348	722	1656	2456	2746	2781	2627	2513	2497	2511	2521	2523	2534	2545
-60	76.7	90.4	113	135	220	456	1001	2378	3485	3709	3625	3474	3435	3501	3573	3602	3606	3607	3620
-55	74.7	91.5	116	199	457	951	1657	2746	3436	3541	3456	3353	3354	3438	3533	3602	3644	3667	3682
-50	72.7	92.7	120	262	694	1446	2313	3114	3387	3373	3286	3233	3273	3374	3492	3601	3683	3727	3745
-45	70.8	93.8	124	325	931	1941	2969	3482	3339	3205	3116	3112	3192	3311	3451	3601	3721	3787	3807
-40	68.2	93.8	145	506	1332	2392	3165	3385	3234	3127	3070	3085	3165	3267	3376	3493	3588	3642	3659
-35	65.7	93.8	167	687	1733	2843	3361	3288	3129	3049	3024	3058	3138	3223	3300	3385	3456	3498	3510
-30	63.1	93.8	189	868	2133	3293	3557	3191	3025	2970	2978	3032	3111	3179	3225	3277	3323	3354	3362
-25	61.8	97.4	249	1091	2423	3471	3523	3143	2996	2948	2956	3010	3057	3100	3120	3139	3155	3169	3174
-20	60.5	101	309	1314	2712	3648	3490	3094	2968	2925	2935	2989	3003	3021	3016	3002	2986	2983	2985
-15	59.1	105	369	1536	3002	3825	3456	3046	2939	2902	2913	2967	2948	2942	2912	2864	2818	2798	2797
-10	59.4	106	379	1645	3140	3850	3419	3018	2900	2847	2840	2871	2840	2819	2779	2727	2679	2658	2655
-5	59.6	108	389	1754	3278	3874	3381	2990	2862	2792	2767	2775	2732	2696	2647	2589	2541	2519	2512
0	59.9	110	398	1862	3416	3899	3343	2962	2823	2737	2693	2679	2623	2572	2514	2452	2403	2379	2370
5	58.5	108	389	1842	3413	3855	3291	2904	2749	2641	2576	2542	2486	2437	2388	2339	2303	2285	2279
10	57.1	107	379	1821	3409	3810	3239	2846	2674	2545	2459	2404	2348	2302	2262	2226	2202	2192	2188
15	55.7	105	370	1801	3405	3766	3186	2788	2600	2448	2341	2267	2210	2166	2135	2114	2102	2098	2096
20	54.7	102	318	1549	3147	3614	3068	2649	2451	2309	2209	2142	2092	2054	2026	2006	1994	1989	1987
25	53.6	97.8	267	1296	2888	3462	2951	2511	2301	2169	2077	2017	1974	1942	1917	1898	1885	1880	1877
30	52.6	94.0	215	1044	2630	3310	2833	2373	2152	2029	1944	1892	1856	1829	1808	1790	1777	1771	1768
35	52.0	89.7	197	816	2104	2810	2465	2110	1948	1870	1820	1784	1754	1729	1707	1687	1672	1665	1661
40	51.4	85.5	178	587	1578	2309	2097	1846	1745	1711	1696	1675	1653	1629	1606	1585	1568	1559	1554
45	50.8	81.2	159	358	1052	1809	1729	1583	1541	1551	1572	1567	1551	1529	1506	1482	1463	1452	1448
50	50.3	75.7	142	293	780	1320	1304	1246	1265	1311	1355	1379	1396	1397	1382	1360	1342	1334	1334
55	49.9	70.2	124	228	508	832	878	909	989	1071	1137	1190	1241	1266	1259	1238	1220	1216	1220
60	49.4	64.7	107	163	237	343	452	571	713	831	919	1002	1086	1134	1135	1116	1099	1098	1107
65	49.8	61.9	94.7	138	190	262	336	418	518	605	669	726	787	823	827	816	808	824	856
70	50.2	59.1	82.4	112	143	180	221	265	324	379	418	450	487	512	518	516	518	551	606
75	50.6	56.3	70.1	86.4	96.7	98.7	105	112	130	152	167	174	188	201	209	217	227	277	355
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 Date:2020-04-13

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:220.44V I:3.2792A P:713.49W PF:0.9870 Freq:50.37Hz Lamp Flux:113492x1 lm		
NAME: 720W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.4x0.6	DIM.: 0.4x0.6	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.6x0.4	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	350	343	360	431	584	827	1056	983	538	262	180	144	127	118	108	94.6	83.3	76.9	
-70	1448	1447	1449	1476	1544	1688	1863	1850	1563	1226	745	352	224	144	119	101	84.9	75.8	
-65	2546	2550	2538	2520	2504	2549	2669	2717	2587	2191	1309	560	322	171	130	108	86.6	74.7	
-60	3644	3654	3627	3565	3464	3410	3476	3584	3612	3155	1874	769	419	198	141	115	88.3	73.7	
-55	3690	3666	3605	3514	3400	3322	3338	3414	3453	3198	2391	1465	928	437	186	118	89.7	73.1	
-50	3736	3678	3583	3464	3337	3235	3201	3243	3294	3240	2909	2161	1437	676	232	122	91.1	72.4	
-45	3783	3690	3560	3413	3273	3147	3064	3072	3135	3283	3426	2857	1946	915	277	125	92.5	71.8	
-40	3638	3560	3459	3348	3240	3131	3046	3030	3070	3188	3357	3135	2424	1348	492	138	92.9	71.0	
-35	3493	3430	3358	3282	3208	3115	3028	2989	3004	3093	3288	3412	2902	1781	707	152	93.3	70.1	
-30	3347	3300	3257	3216	3175	3099	3010	2947	2938	2998	3219	3690	3380	2214	922	166	93.7	69.2	
-25	3163	3137	3122	3110	3091	3040	2983	2924	2918	2974	3161	3627	3560	2514	1134	198	98.4	68.1	
-20	2980	2973	2987	3004	3007	2980	2957	2902	2898	2950	3102	3564	3741	2813	1347	230	103	67.0	
-15	2796	2809	2852	2898	2923	2921	2931	2879	2878	2925	3043	3501	3922	3113	1559	263	108	66.0	
-10	2656	2670	2710	2757	2791	2804	2830	2802	2817	2880	3004	3419	3901	3255	1682	294	109	66.2	
-5	2516	2530	2568	2617	2659	2688	2729	2725	2757	2836	2964	3337	3881	3398	1804	325	110	66.4	
0	2377	2390	2426	2477	2527	2571	2629	2647	2696	2791	2925	3255	3860	3540	1927	357	111	66.6	
5	2283	2290	2315	2352	2392	2433	2488	2521	2585	2692	2835	3162	3758	3473	1815	321	109	65.0	
10	2189	2190	2203	2227	2257	2294	2348	2396	2473	2593	2745	3070	3657	3406	1702	286	107	63.4	
15	2094	2090	2092	2101	2122	2156	2207	2270	2362	2494	2655	2977	3555	3338	1590	250	105	61.8	
20	1984	1981	1984	1994	2013	2042	2086	2140	2218	2325	2467	2775	3313	3027	1335	233	102	60.8	
25	1874	1872	1875	1886	1903	1929	1965	2010	2074	2157	2280	2574	3072	2717	1079	215	99.0	59.8	
30	1764	1763	1767	1779	1794	1816	1844	1880	1930	1988	2092	2372	2830	2406	823	198	96.2	58.8	
35	1658	1658	1663	1676	1693	1713	1737	1763	1785	1804	1861	2032	2317	1857	646	181	91.5	57.7	
40	1552	1553	1558	1574	1591	1611	1631	1645	1639	1621	1630	1693	1803	1309	469	164	86.8	56.7	
45	1446	1447	1454	1471	1490	1509	1524	1527	1494	1437	1399	1353	1290	761	292	147	82.1	55.6	
50	1332	1327	1332	1348	1361	1359	1337	1304	1251	1172	1100	1029	941	567	240	131	77.4	54.8	
55	1218	1207	1210	1225	1232	1209	1151	1081	1008	908	801	705	593	373	188	116	72.8	53.9	
60	1104	1088	1089	1102	1104	1059	964	858	765	643	501	381	244	179	136	101	68.2	53.0	
65	846	807	798	803	802	769	700	626	560	473	371	287	193	149	118	90.5	64.2	52.2	
70	589	526	507	505	500	478	436	393	356	304	241	192	142	118	101	79.9	60.3	51.5	
75	331	246	217	206	198	187	173	161	152	134	110	97.9	91.3	87.2	83.3	69.2	56.3	50.7	
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 - 90DEGH_(b) Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-13

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: