

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

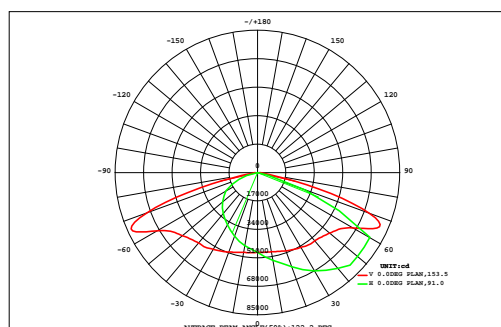
Maximum Intensity		359.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	148.8V x 161.6H
	At 50% of Imax	91.0V x 153.5H
	At 90% of Imax	28.2V x 148.4H
Beam Flux	Total	994.5 lumens per klm.
	To 10% of Imax	982.9 lumens per klm.
	To 50% of Imax	762.2 lumens per klm.
	To 90% of Imax	95.4 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(<sub>b</sub>) Range:-90 - 90DEG  
H(<sub>b</sub>) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

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:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME: 1440W-5050-140x100	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.86	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	5050	Imax(cd)	82807
NOMINAL POWER(W)	1440	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	228461
NOMINAL FLUX(lm)	230626	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	230626
TEST VOLTAGE(V)	230	q @50%(H,V)	153,91DE

		AREA FLUX DIAGRAM																UNIT:lm			F t	F a	
VERTICAL(DEG)	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			
	80	2.21	9.74	18.5	31.1	51.7	67.1	83.2	96.0	135	130	95.5	82.9	66.4	49.7	29.4	18.1	9.42	2.09	978	196		
	70	3.58	20.0	58.0	132	233	337	430	464	500	500	474	442	349	246	136	59.0	20.4	3.54	4407	4049		
	60	4.37	35.1	140	264	417	569	693	737	761	766	752	712	590	440	279	149	34.8	4.37	7347	7210		
	50	5.48	66.8	320	480	638	771	846	883	904	907	893	861	792	663	513	350	62.2	5.32	9961	9902		
	40	6.23	144	553	648	769	878	955	1002	1029	1033	1013	973	906	806	701	616	141	6.14	12180	12145		
	30	6.93	221	753	803	897	988	1067	1122	1156	1160	1135	1088	1022	944	869	829	216	6.82	14284	14255		
		7.54	297	884	934	1018	1105	1185	1248	1287	1291	1258	1207	1144	1071	996	938	283	7.19	16159	16137		
		7.66	320	938	1005	1119	1243	1328	1372	1395	1400	1386	1353	1282	1166	1057	982	304	7.61	17665	17645		
		7.68	324	977	1065	1207	1372	1472	1510	1523	1531	1527	1499	1407	1244	1107	1008	303	7.68	19092	19073		
		7.48	289	989	1106	1268	1479	1620	1675	1693	1705	1695	1644	1504	1290	1134	999	258	7.06	20361	20338		
	-30	6.22	212	913	1156	1296	1518	1714	1844	1925	1939	1872	1747	1540	1311	1177	911	192	6.54	21280	21254		
-40	5.32	137	784	1196	1337	1551	1793	2002	2146	2162	2038	1834	1574	1348	1211	769	126	6.10	22019	21984			
-50	5.14	63.9	547	1218	1401	1572	1841	2141	2344	2364	2182	1887	1602	1417	1224	522	58.3	5.78	22395	22345			
-60	4.88	36.0	260	898	1556	1755	1961	2207	2340	2353	2231	1991	1758	1562	917	247	35.9	5.48	22119	22034			
-70	4.64	17.3	61.7	531	1303	1508	1594	1737	1800	1806	1743	1599	1478	1294	551	58.0	20.2	5.12	17112	16969			
-80	4.43	16.7	33.3	94.8	269	406	302	281	286	286	275	278	339	244	96.8	34.6	17.7	4.64	3267	2925			
-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	89.8	2210	8230	11562	14779	17119	18884	20320	21223	21333	20570	19196	17353	15097	11998	8488	2083	91.52	30626	---	---		
F a	0.00	2005	8034	11424	14683	17024	18780	20224	21170	21266	20470	19095	17264	15009	11871	8287	1854	0.00	---	---	22846		

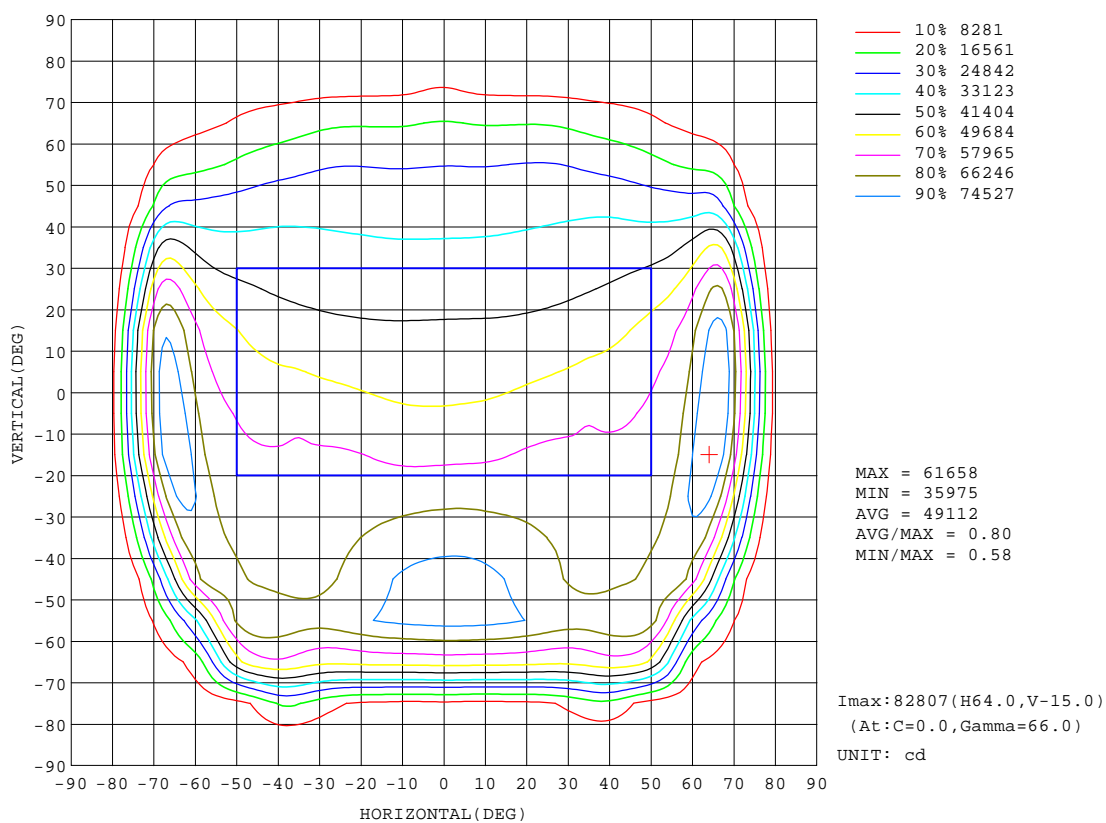
one-half-peak spread: U:23.2,D:68.8 , L:10.9,R:10.6      NEMA Beam Type: Type 7

```
H( $\theta$ ) Range:-90 - 90DEG
H( $\theta$ ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:DAMIN
Test Date:2020-04-18
```

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:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.86	Shielding Angle:

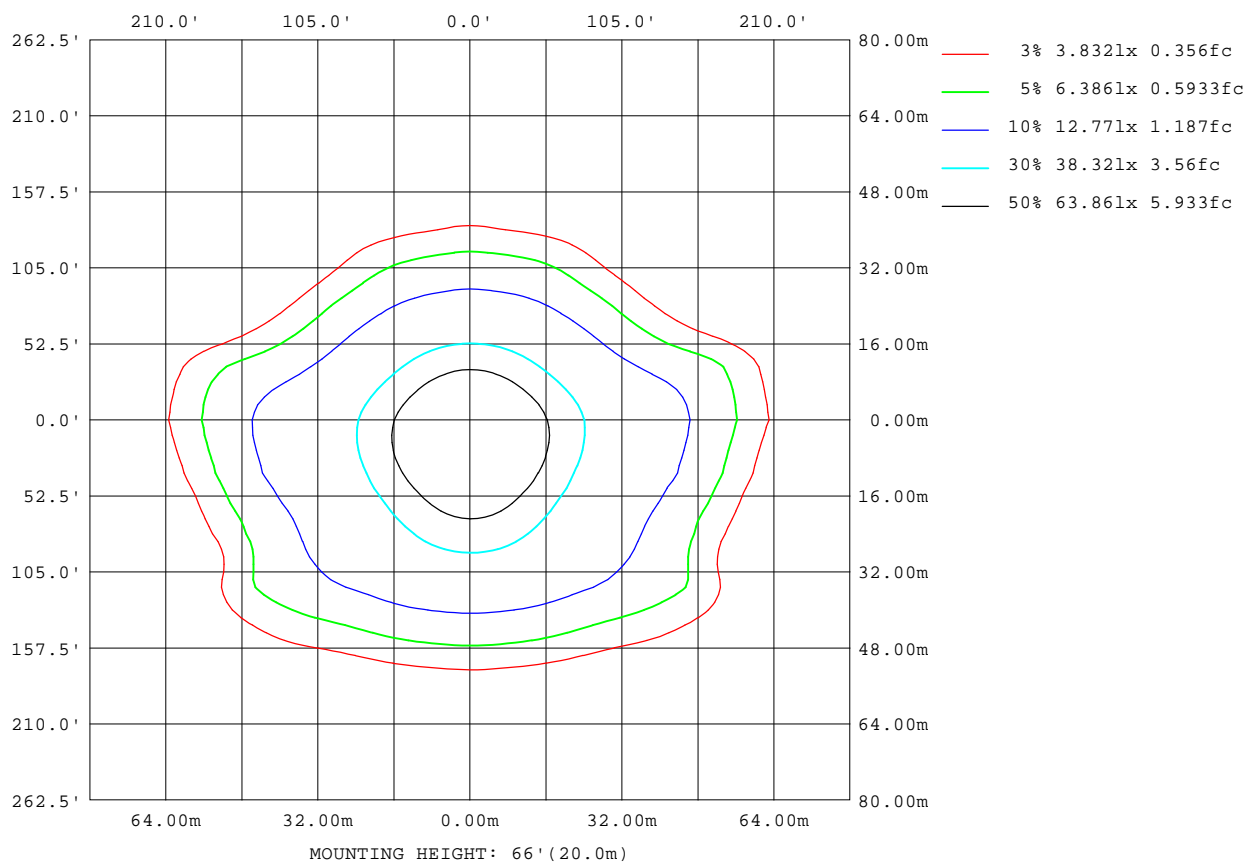


H<sub>(b)</sub> Range: -90 - 90DEG  
H<sub>(b)</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators: DAMIN  
Test Date: 2020-04-18

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

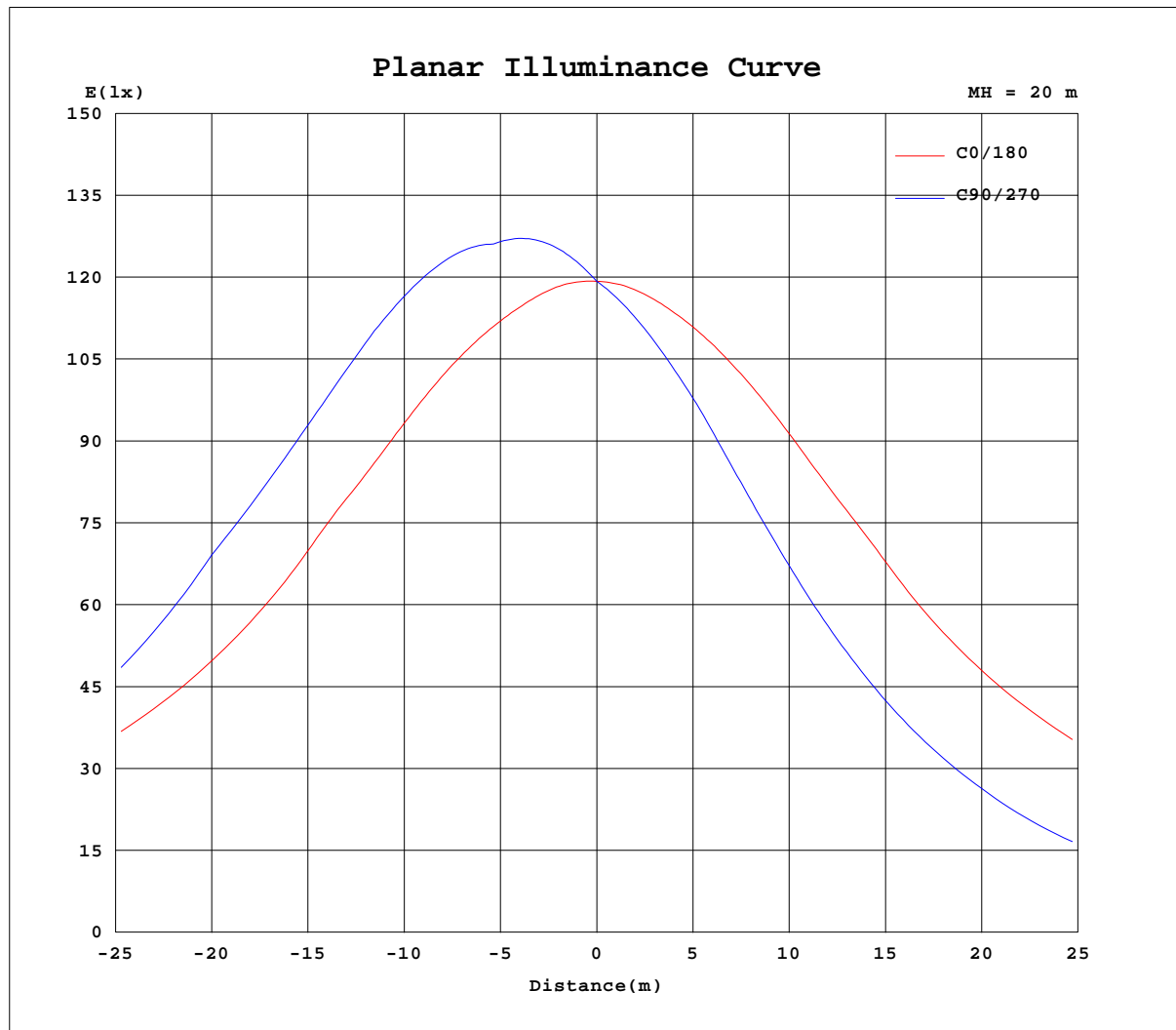
Test:U:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.86	Shielding Angle:



H<sub>b</sub> Range:-90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

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



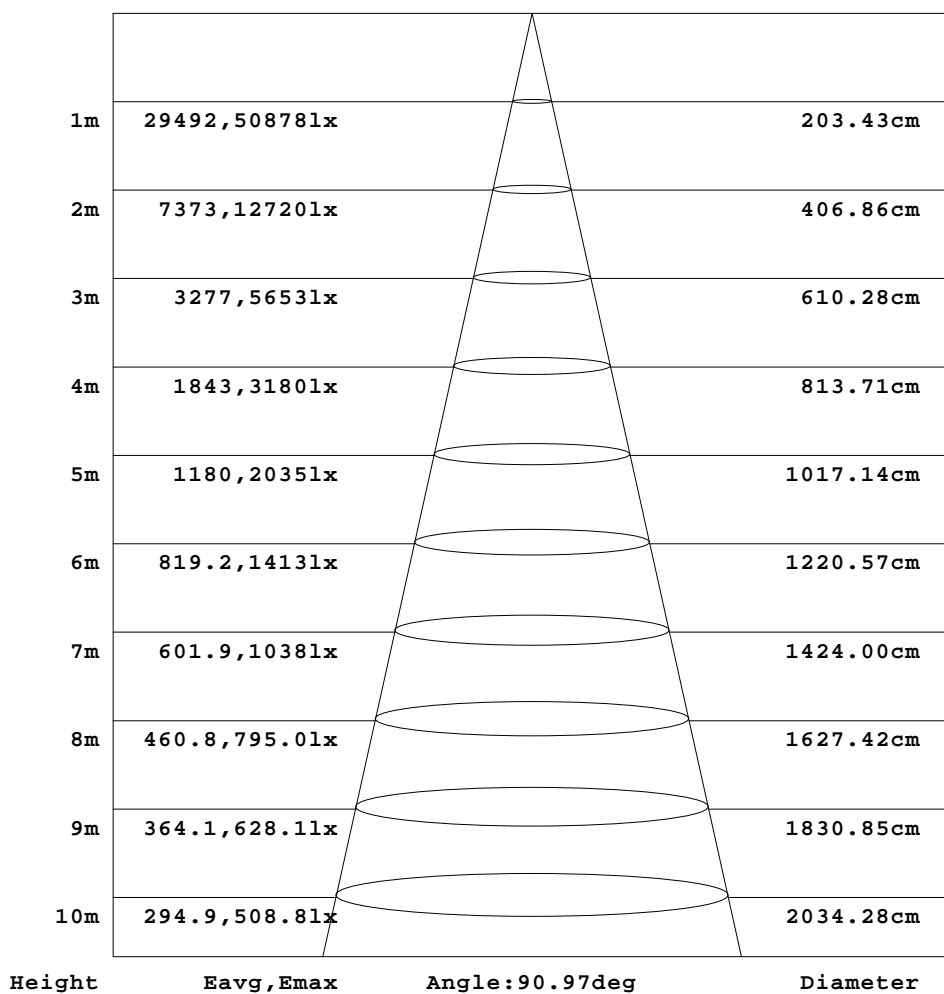
H<sub>b</sub> Range:-90 - 90DEG  
H<sub>b</sub> Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

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:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	Shielding Angle:

Flux out:95945 lm



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

H(<sub>b</sub>) Range:-90 - 90DEG  
H(<sub>b</sub>) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:DAMIN  
Test Date:2020-04-18

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:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.:	SUR.:0.65x0.86	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	147	160	182	210	232	254	292	362	554	1051	1697	1685	1247	896	716	666	618	618	662
-70	144	162	192	229	283	446	757	1601	2605	3280	3696	3589	3235	3034	2984	2988	2969	2983	3024
-65	141	163	201	248	333	638	1221	2840	4655	5510	5694	5494	5223	5173	5252	5311	5321	5348	5386
-60	138	165	211	267	384	829	1685	4080	6706	7739	7693	7398	7211	7311	7520	7633	7673	7714	7749
-55	135	166	222	367	885	1923	3213	5114	6751	7325	7236	7024	6947	7097	7334	7518	7640	7726	7774
-50	132	167	232	466	1386	3017	4740	6148	6795	6912	6779	6651	6683	6883	7147	7402	7607	7738	7800
-45	129	167	243	566	1887	4111	6268	7182	6840	6498	6322	6277	6419	6668	6961	7287	7574	7750	7826
-40	126	170	274	961	2759	5063	6729	7021	6631	6356	6236	6236	6384	6571	6795	7045	7269	7413	7480
-35	122	174	305	1357	3631	6015	7191	6860	6421	6215	6150	6195	6348	6474	6629	6804	6963	7076	7134
-30	119	177	336	1752	4503	6968	7653	6699	6212	6073	6065	6154	6313	6377	6463	6562	6658	6740	6788
-25	116	187	440	2245	5158	7352	7493	6550	6140	6009	6000	6098	6177	6213	6246	6275	6307	6352	6391
-20	113	196	544	2739	5813	7736	7334	6401	6067	5945	5936	6043	6042	6049	6028	5987	5956	5965	5994
-15	110	206	649	3232	6467	8121	7174	6252	5995	5880	5871	5987	5906	5885	5811	5700	5606	5577	5597
-10	108	208	675	3418	6679	8034	6987	6141	5874	5730	5688	5754	5661	5615	5531	5425	5339	5311	5322
-5	105	210	701	3605	6891	7948	6800	6030	5753	5580	5505	5521	5417	5346	5252	5150	5073	5044	5046
0	103	212	727	3792	7103	7862	6613	5919	5631	5431	5322	5288	5172	5077	4972	4875	4806	4777	4771
5	100	210	686	3630	6959	7627	6403	5719	5417	5195	5063	5001	4898	4817	4736	4665	4617	4600	4599
10	97.3	208	646	3469	6816	7392	6194	5520	5203	4959	4804	4715	4624	4557	4500	4454	4428	4423	4426
15	94.5	206	605	3308	6672	7157	5985	5320	4989	4723	4545	4428	4351	4297	4264	4244	4239	4245	4254
20	92.5	198	543	2812	6007	6595	5538	4933	4652	4443	4295	4198	4132	4085	4053	4032	4025	4030	4038
25	90.5	190	481	2315	5342	6032	5090	4546	4315	4164	4046	3968	3913	3872	3842	3820	3812	3815	3823
30	88.4	182	419	1819	4677	5470	4643	4160	3978	3885	3797	3738	3693	3660	3631	3608	3598	3599	3607
35	87.3	173	384	1430	3692	4511	3985	3689	3598	3577	3554	3525	3493	3462	3433	3407	3394	3394	3400
40	86.1	163	350	1042	2706	3552	3327	3218	3217	3270	3312	3313	3293	3265	3234	3206	3190	3189	3193
45	84.9	153	315	653	1721	2594	2669	2747	2836	2963	3069	3100	3093	3068	3036	3005	2985	2984	2986
50	84.1	142	276	530	1277	1914	2041	2164	2306	2465	2595	2680	2743	2761	2746	2720	2706	2715	2725
55	83.3	131	237	407	833	1235	1414	1581	1776	1966	2120	2261	2392	2455	2456	2435	2426	2447	2464
60	82.5	120	198	284	390	556	786	998	1246	1468	1645	1841	2041	2148	2166	2150	2146	2178	2204
65	83.3	114	176	245	320	434	593	743	924	1087	1210	1346	1489	1567	1583	1578	1587	1653	1697
70	84.1	107	155	205	250	313	400	488	603	705	775	851	936	985	1000	1006	1027	1128	1191
75	84.9	100	133	165	180	191	207	233	282	324	340	357	384	403	417	434	467	603	685
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<sub>b</sub> Range:-90 - 90DEGH<sub>b</sub> Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

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:10.243V I:0A P:0W PF:0.0000 Freq:49.96Hz Lamp Flux:230626x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:0.65x0.86	DIM.: 0.65x0.86	SERIAL No.:
MFR.: Lanyeeh	SUR.:0.65x0.86	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	617	587	620	652	756	1001	1340	1398	907	512	368	308	262	243	224	195	165	148
-70	2993	2967	2974	2964	2972	3085	3342	3470	3177	2640	1667	729	434	297	250	211	171	146
-65	5370	5348	5329	5276	5187	5169	5344	5541	5447	4768	2966	1151	606	352	276	227	176	144
-60	7747	7728	7684	7588	7403	7253	7346	7612	7716	6895	4265	1572	778	406	302	243	181	142
-55	7770	7713	7599	7436	7213	7025	7030	7212	7334	6901	5264	3089	1823	841	369	253	184	140
-50	7794	7699	7514	7284	7024	6797	6713	6811	6952	6906	6263	4606	2868	1276	436	263	187	139
-45	7817	7684	7429	7131	6834	6569	6396	6410	6570	6911	7262	6123	3914	1711	502	272	189	138
-40	7476	7369	7176	6954	6727	6523	6344	6314	6420	6701	7111	6674	4903	2563	856	301	192	137
-35	7135	7054	6924	6777	6619	6477	6292	6217	6270	6490	6961	7224	5893	3414	1210	329	195	136
-30	6795	6739	6671	6600	6511	6431	6240	6121	6119	6280	6810	7774	6882	4266	1565	357	198	135
-25	6404	6381	6369	6362	6331	6287	6193	6070	6074	6223	6675	7665	7322	4894	1967	403	203	132
-20	6014	6022	6068	6125	6151	6144	6147	6019	6029	6166	6541	7556	7761	5522	2368	449	209	130
-15	5624	5664	5766	5888	5972	6000	6101	5968	5984	6109	6406	7446	8200	6150	2770	494	214	127
-10	5349	5390	5487	5609	5707	5766	5884	5810	5866	6026	6333	7289	8213	6447	3027	543	214	125
-5	5074	5116	5208	5330	5442	5532	5667	5653	5749	5944	6259	7131	8226	6744	3283	592	214	123
0	4800	4843	4928	5051	5177	5299	5451	5495	5631	5861	6186	6974	8239	7041	3539	641	214	120
5	4619	4650	4712	4805	4909	5020	5163	5246	5411	5669	6016	6802	8049	6900	3390	600	209	117
10	4439	4456	4496	4560	4641	4741	4876	4997	5192	5478	5845	6630	7858	6759	3242	559	204	113
15	4259	4263	4279	4315	4372	4463	4589	4748	4972	5286	5675	6458	7668	6617	3093	518	199	110
20	4044	4051	4070	4105	4159	4238	4347	4483	4675	4934	5288	6043	7186	6015	2655	478	193	108
25	3829	3838	3860	3896	3945	4014	4105	4219	4378	4583	4901	5628	6704	5414	2218	438	188	106
30	3614	3626	3651	3686	3731	3789	3863	3954	4081	4231	4514	5213	6222	4812	1780	398	182	103
35	3407	3420	3447	3484	3528	3580	3636	3693	3748	3816	3987	4447	5117	3763	1387	365	172	101
40	3200	3214	3243	3282	3325	3370	3409	3432	3416	3401	3459	3680	4012	2714	993	332	162	99.0
45	2993	3007	3039	3079	3123	3161	3182	3171	3084	2986	2932	2913	2907	1666	599	299	151	96.9
50	2726	2731	2760	2797	2820	2808	2760	2695	2577	2432	2302	2206	2128	1248	497	266	141	95.0
55	2459	2455	2481	2514	2518	2455	2338	2219	2071	1879	1671	1499	1349	830	395	232	131	93.0
60	2192	2178	2201	2231	2216	2103	1917	1743	1565	1325	1040	792	570	412	293	199	122	91.1
65	1650	1606	1611	1626	1612	1528	1396	1275	1147	970	767	595	442	334	248	174	113	89.4
70	1109	1034	1021	1022	1007	953	874	806	730	614	494	398	314	256	204	150	104	87.7
75	568	461	431	417	402	379	353	337	312	258	221	201	186	177	160	125	95.0	86.0
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<sub>b</sub> Range:-90 - 90DEGH<sub>b</sub> Interval: 1.0DEG

Test Speed: HIGH

Temperature:30DEG

Operators:DAMIN

Test Date:2020-04-18

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: